

Appendix A

Notice of Preparation and Comments on
the Notice of Preparation

California Department of Transportation

DISTRICT 3
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(530) 741-4233 | FAX (530) 741-4245 TTY 711
www.dot.ca.gov



February 7, 2022

Ms. Kyra Killingsworth
Senior Planner
Department of Development Services – Planning Division
City of Elk Grove
8401 Laguna Palms Way
Elk Grove, CA 95758

GTS# 03-SAC-2022-01046
PLNG21-001

Grant Line Aggregate and Recycling Facility Project

Dear Ms. Killingsworth:

Thank you for including the California Department of Transportation (Caltrans) in the review process for the project referenced above. We reviewed this local development for impacts to the State Highway System (SHS) in keeping with our mission, vision, and goals, some of which include addressing equity, climate change, and safety, as outlined in our statewide plans such as the California Transportation Plan 2050, Caltrans Strategic Plan, and Climate Action Plan for Transportation Infrastructure.

This project is the Grant Line Aggregate and Recycling Facility and Vulcan Materials Company proposes to develop an aggregate processing facility on the 25-acre site. The City of Elk Grove has released the Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR). The project will have a ready-mix concrete facility, a concrete and asphalt recycling facility, a hot-mix asphalt facility, modular office buildings and auto and truck parking areas. The facility would be able to process 1.7 million tons of construction aggregate materials annually. To produce these materials, approximately 600,000 tons of raw aggregate would be imported to and exported from the facility. Aggregate materials would be transported to the site from Vulcan's aggregate mine, located approximately 11 miles northeast of the site at 15012 Florin Road in Sacramento, California. The facility would be designed to run 24 hours a day and 7 days a week during busy construction months. Based on the materials received, Caltrans provides the following comments.

Traffic Operations/Safety

- Caltrans requests a safety queuing analysis to evaluate queuing impacts on the off-ramps at Grant Line Road and State Route (SR) 99 interchange.
- A previous traffic study from the Multi-Sport Complex and Southeast Industrial Draft Environmental Impact Report (DEIR) has identified the southbound SR 99 / Grant Line Road off-ramp would have queuing deficiency during the PM peak hours (Cumulative Conditions). Caltrans requests the City consider and update these results when conducting the safety queuing study for this project.

Ms. Killingsworth, Senior Planner

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- If the safety queuing study reveals a queuing deficiency, then Caltrans requests mitigations such as: reducing this project's trip generation during the PM peak hours.
- Caltrans requests trucking volumes and truck trip distribution so the safety team can determine if there may be any future collision concerns.
 - Total truck volumes.
 - Daily truck volumes for peak periods.
 - Trip distribution and percentage of trucks that would use the State Highway System.

Forecasting

- Caltrans requests a detailed VMT analysis consistent with the Governor's Office of Planning and Research (OPR) Technical Advisory for this project.
 - Caltrans requests a trip generation table for commercial and non-commercial trip generation.

Please provide our office with copies of any further actions regarding the project. We would appreciate the opportunity to review and comment on any changes related to this development.

If you have questions regarding these comments or require additional information, please contact Alex Kenefick, City of Sacramento Intergovernmental Review Coordinator, by phone at (530) 565-3972 or via email at Alex.Kenefick@dot.ca.gov.

Sincerely,

Alex Padilla

Alex Padilla, Branch Chief
Office of Transportation Planning
Regional Planning Branch – South



February 7, 2022

Kyra O. Killingsworth, Senior Planner
Development Services-Planning
City of Elk Grove
8401 Laguna Palms Way, Elk Grove, CA 95758
kkillingsworth@elkgrovecity.org

Subject: Notice of Preparation of Grant Line Road Aggregate Production and Recycling Facility Project Draft Environmental Impact Report

Dear Kyra Killingsworth:

Thank you for providing the Notice of Preparation of Grant Line Road Aggregate Production and Recycling Facility Project Draft Environmental Impact Report (DEIR) to the Sacramento Metropolitan Air Quality Management District (Sac Metro Air District) for review. The Project consists of an aggregate processing facility capable of processing 1.7 million tons of construction aggregate materials, including hot-mix asphalt and ready-mix concrete annually. Staff comments follow.

California Environmental Quality Act Review:

CEQA Guide:

The Sac Metro Air District recommends that the City of Elk Grove utilize the Guide to Air Quality Assessment in Sacramento County¹ (CEQA Guide) as a resource for preparing the DEIR. The CEQA Guide includes recommended thresholds of significance, analysis methods, mitigation measures, and best management practices that support State and regional efforts to attain Federal and State air quality and climate goals, reduce public exposure to toxic air contaminants, and odors, and disclose public health effects from the project.

Construction Analysis:

The DEIR's construction analysis should quantify and disclose projected construction emissions of Criteria Pollutants, pollutants regulated by the Clean Air Act, using methods referenced in the CEQA Guide's chapter on Construction-Generated Criteria Air Pollutant and Precursor Emissions. If construction emissions are projected to exceed applicable Sac Metro Air District thresholds of significance, the DEIR should incorporate mitigation measures for construction emissions, using methods in this chapter.

All projects must implement Sac Metro Air District Basic Construction Emission Control Practices in order to use the non-zero particulate matter CEQA thresholds of significance.

¹ Guide to Air Quality Assessment in Sacramento County: <https://www.airquality.org/Businesses/CEQA-Land-Use-Planning/CEQA-Guidance-Tools>

These are also helpful to ensure compliance with Sac Metro Air District's Rule 403, Fugitive Dust.

Please note that all projects are subject to Sac Metro Air District rules and regulations at the time of construction. Please visit our website to find a list of the most common rules that apply at the construction phase of projects².

Operational Analysis:

The DEIR's analysis of operational emissions should quantify and disclose projected operational emissions of Criteria Pollutants, using methods referenced in the CEQA Guide's chapter on Operational Criteria Air Pollutant and Precursor Emissions³. If operational emissions are projected to exceed applicable Sac Metro Air District thresholds of significance, the DEIR should incorporate mitigation measures for those emissions, using methods in this chapter.

For projects that will exceed Sac Metro Air District's operational emissions thresholds of significance for reactive organic gases, oxides of nitrogen, or particulate matter, Sac Metro Air District recommends the project proponent develop an Air Quality Mitigation Plan (AQMP). The AQMP should include measures to reduce operational emissions by 15% or more and can be a standalone document or incorporated into the environmental document. The AQMP must be referenced in the DEIR as an air quality mitigation measure, appended to the document, and referenced as a condition of approval by the lead agency.

Sac Metro Air District recommends using its Recommended Guidance for Land Use Emission Reductions⁴ to develop AQMP measures. Should the project need to develop an AQMP, Sac Metro Air District respectfully requests consultation to review the AQMP for technical adequacy before inclusion in the DEIR. The Sac Metro Air District provides an [AQMP/GHGRP form](#)⁵ to simplify creating and reviewing operational AQMPs and GHGRPs. The form will reduce lead agency review time by providing all the necessary information.

Analysis of operational Criteria Pollutants should also include an analysis of health effects that may result from operational emissions pursuant to the "Friant Ranch" decision. In December 2018, the California Supreme Court issued a decision in the Sierra Club v. County of Fresno case regarding the "Friant Ranch" project ((2018) 6 Cal. 5th 502). The Court determined that CEQA air quality analysis should include a reasonable effort to connect a project's air quality impacts to likely health consequences or explain why it is not feasible to do so in meaningful detail. To analyze health effects pursuant to the Friant Ranch decision, consult Sac Metro Air District's Guidance to Address the Friant Ranch Ruling for CEQA Projects in the Sac Metro Air District.⁶

² Sac Metro Air District Rules Attachment,

<https://www.airquality.org/LandUseTransportation/Documents/RulesAttachment10-2020Final.pdf>

³ Sac Metro Air District, Guide to Air Quality Assessment in Sacramento County, Chapter 4-Operational,

<http://www.airquality.org/LandUseTransportation/Documents/Ch4OperationalFinal10-2020.pdf>

⁴ Sac Metro Air District Guide to Air Quality Assessment in Sacramento County,

<http://www.airquality.org/Residents/CEQA-Land-Use-Planning/CEQA-Guidance-Tools>

⁵ Sac Metro Air District AQMP/GHGRP form,

http://www.airquality.org/LandUseTransportation/Documents/Final_AQMP_GHGRP_Form.docx

⁶ Sac Metro Air District Guidance to address the Friant Ranch Ruling for CEQA Projects in the Sac Metro Air District,

<http://www.airquality.org/LandUseTransportation/Documents/SMAQMDFriantRanchFinalOct2020.pdf>

Greenhouse Gases:

Sac Metro Air District's Greenhouse Gas Thresholds for Sacramento County⁷ (Thresholds) provides information on complying with Sac Metro Air District thresholds of significance for GHG emissions, which may apply to this project. Applicable Projects that are not consistent with the City of Elk Grove Climate Action Plan⁸ (CAP) must implement Best Management Practices (BMPs) as identified in the Thresholds.

If the project is not consistent with the City's CAP, then under the Thresholds it must incorporate the following BMPs: (1) no natural gas – projects shall be designed and constructed without natural gas infrastructure, and (2) Electric Vehicle Ready (EV Ready) – projects shall meet the current California Green Building Standards Code⁹ (CalGreen) Tier 2 standards, except all EV Capable spaces shall instead be EV Ready. After implementing these BMPs, if the project's operational emissions exceed 1,100 metric tons of GHG per year, the project must demonstrate that it meets the SB 743¹⁰ vehicle miles traveled reduction targets applicable to the City of Elk Grove. If CEQA analysis demonstrates that project GHG emissions will exceed any adopted GHG threshold, we recommend mitigating emission impacts using mitigation methods referenced in the CEQA Guide's chapter on GHG Emissions.¹¹

Permit Requirements:

Sac Metro Air District permits are required for hot mix asphalt paving plants, aggregate, rock crushing operations, and concrete batch plants that would emit any pollutant without the benefit of an air pollution control device greater than or equal to 2 pounds in any 24-hour period. Please visit the Sac Metro Air District's website for asphalt paving plants,¹² aggregate and rock crushing operations,¹³ and concrete batch plants¹⁴ for permit application instructions and forms. If you have any questions on permitting, contact Steve Mosunic at 279-207-1137 or smosunic@airquality.org.

⁷ Sac Metro Air District Greenhouse Gas Thresholds of Significance, adopted April 23, 2020,

<https://www.airquality.org/LandUseTransportation/Documents/SMAQMDGHGThresholds2020-03-04v2.pdf>

⁸ City of Elk Grove Climate Action Plan: 2019 Update,

http://p1cdn4static.civiclive.com/UserFiles/Servers/Server_109585/File/Departments/Planning/Projects/General%20Plan/GPU/Amend_2019-12/ElkGrove_CAP_Amended_December2019.pdf

⁹ 2019 CALGREEN Code, <https://www.dgs.ca.gov/BSC/CALGreen#codes>

¹⁰ City of Elk Grove Transportation Analysis Guidelines, 12/2019,

https://p1cdn4static.civiclive.com/UserFiles/Servers/Server_109585/File/Departments/Planning/Projects/General%20Plan/GPU/Amend_2019-12/EG_Transportation_Analysis_Guidelines_Updated_2019-12-11.pdf

¹¹ Sac Metro Air District, Guide to Air Quality Assesment in Sacramento County, Chapter 6-Greenhouse Gasses,

<http://www.airquality.org/LandUseTransportation/Documents/Ch6GHG2-26-2021.pdf>

¹² Sac Metro Air District Asphalt Paving Plant Permit Requirements, <http://www.airquality.org/businesses/permits-registration-programs/permit-applications-recordkeeping-advisories/asphalt-paving-plants>

¹³ Sac Metro Air District Aggregate and Rock Crushing Operations Permit Requirements, <http://www.airquality.org/businesses/permits-registration-programs/permit-applications-recordkeeping-advisories/aggregate-rock-crushing-operations>

¹⁴ Sac Metro Air District Concrete Batch Plant Permit Requirements,

<http://www.airquality.org/businesses/permits-registration-programs/permit-applications-recordkeeping-advisories/concrete-batch-plants>

Potentially Odiferous Uses:

The project includes an asphalt batch plant, a potentially odiferous use. The Sac Metro Air District has received approximately 32 complaints regarding aggregate processing facilities in the last two years. In the past, District staff have found that the truck routes for both the finished product and raw materials may result in odor complaints. To reduce the project's chances of creating objectionable odors, the City may condition the project with measures to reduce odor exposure to sensitive receptors. These measures can include venting emissions away from sensitive receptors, requiring odor control technology, creating a buffer zone between the odor source and receptors, or limiting hours of operation/routes of material transportation. If the project's operation creates a nuisance or annoyance to any considerable number of persons, the Sac Metro Air District has the authority to issue a Notice of Violation, which could result in fines and/or abatement until the project corrects the issue.

The Sac Metro Air District recommends that preventative measures be taken in the design and construction of the project to minimize potential odors since taking these actions after operations begin may be less cost-effective to the project applicant/owner.

Design Comments:

Urban Heat Island (UHI) impacts:

According to the Capital Region Transportation Sector Urban Heat Island Mitigation Project,¹⁵ the urban heat island effect already presents a serious challenge for our region. Developed areas in Sacramento are 3 to 9 degrees Fahrenheit warmer than their surrounding undeveloped areas as a result of the built environment, such as pavements, roofs, and roads, which absorb and retain heat during the day. Higher air temperatures increase the formation of ozone, a respiratory system irritant. Extreme heat and extended heat waves can lead to health effects such as heat stress, heat stroke, and even heat mortality, especially for the elderly, the young, people working outdoors, people who are unhoused, people who are low income, and those with pre-existing health conditions. The urban heat island results from converting undeveloped land to developed land but can be mitigated through the use of cool roofs, cool pavements, trees and green infrastructure, and other strategies.

Please accept the following recommendations, informed by UHI Project findings, to help reduce this project's contribution to the urban heat island effect.

For construction, we recommend: (1) all new pavements, including roads, pedestrian paths, and parking lots, have the **highest albedo possible, but no less than 0.25**; and (2) all new structures or additions utilize certified cool roofs. The California Energy Commission's Title 24, Part 6¹⁶, suggests an aged solar reflectance of at least 0.63 for low-sloped roofs with a minimum thermal emittance of 0.75. The Cool Roof Rating Council provides a product directory of roofs¹⁷.

¹⁵ Sac Metro Air District Capital Region Transportation Sector Urban Heat Island Mitigation Project, <https://urbanheat-smagmd.hub.arcgis.com/>

¹⁶ 2019 California Energy Commission *BUILDING ENERGY EFFICIENCY STANDARDS FOR RESIDENTIAL AND NONRESIDENTIAL BUILDINGS FOR THE 2019 BUILDING ENERGY EFFICIENCY STANDARDS, TITLE 24, PART 6, AND ASSOCIATED ADMINISTRATIVE REGULATIONS IN PART 1*, https://www.energy.ca.gov/sites/default/files/2021-06/CEC-400-2018-020-CMF_0.pdf

¹⁷ Cool Roof Rating Council Product Directory, <https://coolroofs.org/directory>

To the extent feasible, we recommend reducing pavements and paved surfaces – which absorb and amplify heat – for green infrastructure, bioswales, and rain gardens utilizing native and drought-tolerant vegetation.

We recommend that the landscaping plan incorporate new trees to shade new and existing pavements and structures to the extent feasible. The Sacramento Tree Foundation has a directory of air-quality supportive trees in the Shady Eighty guide¹⁸. A more extensive tree list is available on p.153 of the UHI Technical Analysis Report¹⁹. Please consider adding shade trees to the unpaved Truck Parking spaces identified in the site plan.

For paved parking lots where cool pavements or tree shading are not feasible, we recommend considering solar photovoltaic shade structures to reduce urban heat islands, generate renewable energy, and provide shading to parked vehicles. Shading parked vehicles can reduce evaporative emissions of volatile organic compounds from conventional, gasoline-powered cars and help cool electric vehicles, protecting their battery health and charging speeds.

Vegetative Barrier along Project Perimeter:

Sac Metro Air District staff note that the proposed site plan includes hedgerows, shrubs, and trees to serve as visual screens along the perimeter of the project site. We recommend that the visual screens include sufficient plantings to serve as a vegetative barrier, which may provide the additional benefit of filtering pollutants emitted from the project site. Specifically, the landscape plan should include a vegetative barrier consistent with the Sac Metro Air District's Landscaping Guidance for Improving Air Quality Near Roadways.²⁰

Communication:

To allow for sufficient time for coordination, please send all future environmental documents and notices to ProjectReview@AirQuality.org.

You may contact me at jhurley@airquality.org or 279-207-1130 if you have questions regarding these comments.

-JJ Hurley

Joseph J. Hurley
Air Quality Planner/Analyst
CEQA & Land Use

Cc: Paul Phillely, AICP, CEQA, and Land Use Program Supervisor, Sac Metro Air District
Steve Mosunic, Permitting Program Supervisor, Sac Metro Air District

¹⁸ Sacramento Tree Foundation Shady 80 Guidance, <https://sactree.org/best-trees-for-sacramento/>

¹⁹ Capital Region Heat Pollution Reduction Technical Project Report, page 153, Table 5-5: BVOC emission rates for species with “excellent”, “good”, and “fair” air quality ratings, http://www.airquality.org/LandUseTransportation/Documents/Altostratus_Final_Report.pdf

²⁰ Sac Metro Air District Landscaping Guidance for Improving Air Quality Near Roadways, version 2.0, <http://www.airquality.org/LandUseTransportation/Documents/LandscapingGuidanceforImprovingAirQualityNearRoadwaysMay2020V2.pdf>

Kyra Killingsworth

From: Anna Starkey <astarkey@auburnrancheria.com>
Sent: Monday, January 31, 2022 12:31 PM
To: Kyra Killingsworth
Subject: NOP of Draft EIR: Grant Line Construction Aggregate Production and Recycling Facility Project (PLNG21-001)

Follow Up Flag: Follow up
Flag Status: Completed

[EXTERNAL EMAIL]

Good afternoon,

The following comments are on behalf of the UAIC regarding the Project. We appreciate the opportunity to provide comments on the NOP.

The Preservation Department has the following comments on the Grant Line Construction Aggregate Production and Recycling Facility Project (PLNG21-001).

We ask that the Cultural Resources and Tribal Cultural Resources (TCRs) chapter and mitigation measures are separate and distinct, and are not combined. This is because tribal values are used to identify, evaluate, and treat TCRs, while archaeological values are used for cultural resources chapter. Separating the chapters also allows the opportunity to discuss Tribes in a contemporary context, especially when consulting under AB 52.

If potential TCRs have been identified in the planning phase, we ask the TCR chapter adequately discusses these resources. We ask that the identification, evaluation, and treatment of TCRs be taken into consideration with the same level of analysis and professionalism by Tribes that archaeologists are given. The identification and evaluation of TCRs should be no less rigorous than archaeological resources and can only be accomplished through tribal consultation.

UAIC reiterates that California Native American tribes traditionally and culturally affiliated with a geographic area may have expertise concerning their TCRs (PRC Section 21080.3.1). This means that archaeologists shall not identify, evaluate, or make recommendations for cultural items or sites that are considered TCRs unless it is in direct coordination with consulting Tribes.

The following *resources UAIC identifies as TCRs:

- Indigenous archaeological sites
- Sacred Lands or Sites
- Traditional Cultural Properties
- Midden/Anthropogenic soils, including disturbed soils
- Burials, cremations, and all related burial or ceremonial items
- Burial soils
- Isolated indigenous objects, including artifacts
- Cultural landscapes
- Significant native plants/gathering areas

*Not limited to

UAIC requests that the TCR chapter and report does not refer to tribes and their ancestors as “prehistoric”. UAIC requests that aesthetic, natural, scenic, and historic environmental qualities are analyzed in the TCR chapter, as appropriate.

Thank you for involving UAIC in the planning process at an early stage. We ask that you make this letter a part of the project record and we look forward to working with you to ensure that TCRs and cultural resources are protected.

Sincerely,
Anna Starkey

*Please submit all project notifications through our online form. **Bookmark this link!***
<https://auburnrancheria.com/programs-services/tribal-preservation/submit-agency-notification/>



Anna M. Starkey, MA, RPA
Cultural Regulatory Specialist
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Sent Via E-Mail

February 4, 2022

Kyra Killingsworth
City of Elk Grove
Department of Development Services, Planning Division
8401 Laguna Palms Way
Elk Grove, CA 95758
kkillingsworth@elkgrovecity.org

Subject: **Grant Line Construction Aggregate Production and Recycling Facility Project / NOP / 2022010079**

Dear Ms. Killingsworth:

The Sacramento Municipal Utility District (SMUD) appreciates the opportunity to provide comments on the Notice of Preparation (NOP) for Grant Line Construction Aggregate Production and Recycling Facility Project (Project, SCH 2022010079). SMUD is the primary energy provider for Sacramento County and the proposed Project area. SMUD's vision is to empower our customers with solutions and options that increase energy efficiency, protect the environment, reduce global warming, and lower the cost to serve our region. As a Responsible Agency, SMUD aims to ensure that the proposed Project limits the potential for significant environmental effects on SMUD facilities, employees, and customers.

It is our desire that the Project will acknowledge any impacts related to the following:

- Overhead and or underground transmission and distribution line easements. Please view the following links on smud.org for more information regarding transmission encroachment:
 - <https://www.smud.org/en/Business-Solutions-and-Rebates/Design-and-Construction-Services>
 - <https://www.smud.org/en/Corporate/Do-Business-with-SMUD/Land-Use/Transmission-Right-of-Way>
- Utility line routing
- Electrical load needs/requirements
- Energy Efficiency
- Climate Change
- Cumulative impacts related to the need for increased electrical delivery
- The potential need to relocate and or remove any SMUD infrastructure that may be affected in or around the project area

More specifically, SMUD would like to have the following details from our CUP comment later dated February 23, 2021, related to the electrical infrastructure incorporated into the project description and/or the CEQA analysis:

1. SMUD has existing overhead 12kV facilities along the northwest parcel boundary that will need to remain. The Applicant shall be responsible for maintaining all CalOSHA and State of California Public Utilities Commission General Order No. 95 safety clearances during construction and upon building completion. If the required clearances cannot be maintained, the Applicant shall be responsible for the cost of relocation.
2. SMUD has planned underground 12kV facilities along northern parcel boundary that will need to remain. The Applicant shall be responsible for maintaining all CalOSHA and State of California Public Utilities Commission General Order No. 128 safety clearances during construction and upon building completion. If the required clearances cannot be maintained, the Applicant shall be responsible for the cost of relocation.
3. Any necessary future SMUD facilities located on the Applicant's property shall require a dedicated SMUD easement. This will be determined prior to SMUD performing work on the Applicant's property.
4. In the event the Applicant requires the relocation or removal of existing SMUD facilities on or adjacent to the subject property, the Applicant shall coordinate with SMUD. The Applicant shall be responsible for the cost of relocation or removal.
5. SMUD reserves the right to use any portion of its easements on or adjacent to the subject property that it reasonably needs and shall not be responsible for any damages to the developed property within said easement that unreasonably interferes with those needs.
6. The Applicant shall not place any building foundations within 5-feet of any SMUD trench to maintain adequate trench integrity. The Applicant shall verify specific clearance requirements for other utilities (e.g., Gas, Telephone, etc.).
7. In the event the City requires an Irrevocable Offer of Dedication (IOD) for future roadway improvements, the Applicant shall dedicate a 12.5-foot public utility easement (PUE) for overhead and/or underground facilities and appurtenances adjacent to the City's IOD.
8. The Applicant shall comply with SMUD siting requirements (e.g., panel size/location, clearances from SMUD equipment, transformer location, service conductors). Information regarding SMUD siting requirements can be found at: <https://www.smud.org/en/Business-Solutions-and-Rebates/Design-and-Construction-Services>.

9. The Applicant shall dedicate a 12.5-foot public utility easement for overhead and/or underground facilities and appurtenances adjacent to all public street rights-of-ways.
10. The Applicant shall dedicate any private drive, ingress and egress easement, (and 10-feet adjacent thereto) as a public utility easement for (overhead and) underground facilities and appurtenances. All access roads shall meet minimum SMUD requirements for access roads.
11. The Applicant shall dedicate and provide all-weather vehicular access for service vehicles that are up to 26,000 pounds. At a minimum: (a) the drivable surface shall be 20-feet wide; and (b) all SMUD underground equipment and appurtenances shall be within 15-feet from the drivable surface.
12. Offsite work may be required to serve development. Typical lead time for offsite work could be in excess of 18 months depending on scope of work. Detailed load calculations for the facility should be submitted to SMUD as soon as possible to allow for a reduction in potential delays.

SMUD would like to be involved with discussing the above areas of interest as well as discussing any other potential issues. We aim to be partners in the efficient and sustainable delivery of the proposed Project. Please ensure that the information included in this response is conveyed to the Project planners and the appropriate Project proponents.

Environmental leadership is a core value of SMUD, and we look forward to collaborating with you on this Project. Again, we appreciate the opportunity to provide input on this NOP. If you have any questions regarding this letter, please do not hesitate to contact me at 916.732.5384, or by email at Amy.Spitzer@smud.org.

Sincerely,



Amy Spitzer
Environmental Services Specialist
Sacramento Municipal Utility District
6201 S Street
Sacramento, CA 95817

cc: Entitlements



NATIVE AMERICAN HERITAGE COMMISSION

January 20, 2022

Kyra Killingsworth
City of Elk Grove
8401 Laguna Palms Way
Elk Grove, CA 95758

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NAHC HEADQUARTERS
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nahc@nahc.ca.gov
NAHC.ca.gov

Re: 2022010079, Grant Line Construction Aggregate Production and Recycling Facility Project, Sacramento County

Dear Ms. Killingsworth:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

- 1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project:** Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

 - a. A brief description of the project.
 - b. The lead agency contact information.
 - c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
 - d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).
- 2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report:** A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project: (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

 - a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code § 65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).
- 3. Mandatory Topics of Consultation If Requested by a Tribe:** The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

 - a. Alternatives to the project.
 - b. Recommended mitigation measures.
 - c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).
- 4. Discretionary Topics of Consultation:** The following topics are discretionary topics of consultation:

 - a. Type of environmental review necessary.
 - b. Significance of the tribal cultural resources.
 - c. Significance of the project's impacts on tribal cultural resources.
 - d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).
- 5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process:** With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).
- 6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document:** If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

 - a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
 - b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

- 7. Conclusion of Consultation:** Consultation with a tribe shall be considered concluded when either of the following occurs:
- a.** The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
 - b.** A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).
- 8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document:** Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).
- 9. Required Consideration of Feasible Mitigation:** If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).
- 10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:**
- a.** Avoidance and preservation of the resources in place, including, but not limited to:
 - i.** Planning and construction to avoid the resources and protect the cultural and natural context.
 - ii.** Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
 - b.** Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
 - i.** Protecting the cultural character and integrity of the resource.
 - ii.** Protecting the traditional use of the resource.
 - iii.** Protecting the confidentiality of the resource.
 - c.** Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
 - d.** Protecting the resource. (Pub. Resource Code §21084.3 (b)).
 - e.** Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
 - f.** Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).
- 11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource:** An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
- a.** The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.
 - b.** The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
 - c.** The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. **Tribal Consultation:** If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. **No Statutory Time Limit on SB 18 Tribal Consultation.** There is no statutory time limit on SB 18 tribal consultation.
3. **Confidentiality:** Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. **Conclusion of SB 18 Tribal Consultation:** Consultation should be concluded at the point in which:
 - a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
 - b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: <http://nahc.ca.gov/resources/forms/>.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
 - a. If part or all of the APE has been previously surveyed for cultural resources.
 - b. If any known cultural resources have already been recorded on or adjacent to the APE.
 - c. If the probability is low, moderate, or high that cultural resources are located in the APE.
 - d. If a survey is required to determine whether previously unrecorded cultural resources are present.
2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.

- b.** The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.
- 3.** Contact the NAHC for:
- a.** A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
 - b.** A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.
- 4.** Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
- a.** Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, § 15064.5(f) (CEQA Guidelines § 15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
 - b.** Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
 - c.** Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code § 7050.5, Public Resources Code § 5097.98, and Cal. Code Regs., tit. 14, § 15064.5, subdivisions (d) and (e) (CEQA Guidelines § 15064.5, subs. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address:
Andrew.Green@nahc.ca.gov.

Sincerely,



Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

Appendix B

Air Quality

**VULCAN MATERIALS COMPANY, GRANT LINE
CONSTRUCTION AGGREGATE MATERIALS
PRODUCTION AIR QUALITY, HEALTH RISK, AND
GREENHOUSE GAS IMPACT ANALYSIS**

Prepared For:

Vulcan Materials Company, Inc.
50 El Charro Road
Pleasanton, California 94588

Project No.: VULCN-20-2651
Contact: Susana Mitchell
Date: April 30, 2021



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EXECUTIVE SUMMARY

Taylor Environmental Services, Inc. (TES) prepared the following Air Quality, Health Risk and Greenhouse Gas Impact Analysis to address the potential impact of emissions from the short term and long-term operations of the Vulcan Materials Company (Project). The Project is on a 25-acre site, located in an industrial area in the southeastern quadrant of the City of Elk Gove, Sacramento County, CA. The Project Site is located at 10000 Waterman Road in the city of Elk Grove, CA. Refer to Figure 1 for Vicinity Map. The Vulcan Materials Company proposed the Grant Line Construction Aggregate Materials Production & Recycling Facility will include a hot mix asphalt drum mix plant, ready mix plant and a concrete and asphalt recycle plant.

The Project is located in the Sacramento Metropolitan Air Quality Management District (SMAQMD). The analysis was completed utilizing the *Guide to Air Quality Assessment in Sacramento County*, Revised June 2020. This air quality impact analysis has concluded the following:

- **Construction (short-term) and Operational (long-term) Emissions:**

An analysis of criteria pollutant emissions during construction (short-term) utilized the California Emissions Estimator Model (CALEEMOD). Operational (long-term) phase emission was estimated using U.S. Environmental Protection Agency (EPA) AP-42 emission factors, source test emission factors, and Off-Road Diesel emission Tier Standards. The mass emission thresholds were determined following the procedures in the Sacramento Metropolitan Air Quality Management District (SMAQMD), *Guide to Air Quality Assessment in Sacramento County*, December 2009 (Revised June 2020). The estimated construction and project emissions do not exceed the SMAQMD mass emission thresholds for any criteria pollutant. Therefore, this project does not have a significant impact on air quality and will not be required to identify mitigation measures for the construction phase or the operational phase.

- **Impact on Ambient Air Quality**

The ambient air quality thresholds are established in the Sacramento Metropolitan Air Quality Management District (SMAQMD), *Guide to Air Quality Assessment in Sacramento County*, December 2009 (Revised June 2020). The estimated project emissions do not exceed the SMAQMD ambient air quality thresholds for CO, NO_x, and SO_x. Therefore, this project does not have a significant impact on air quality and will not be required to identify mitigation measures for the project operational phase.

- **Health Risk Assessment/Impact on Human Health:**

A Health Risk Assessment (HRA) was prepared for the project to evaluate potential public health effects from Toxic Air Contaminant (TAC) emissions from operations. The HRA was prepared in accordance with the *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (OEHHA, February 2015) and South Coast AQMD Thresholds of Significance (March 2015). Air dispersion modeling was prepared using the U.S. EPA-preferred AERMOD model. Data was processed through the Hotspots Analysis and Reporting Program (HARP2). Modeled health risk results indicate that emissions from the project do not exceed TAC thresholds for residents or workers of cancer risk and non-cancer chronic hazard.

- **Greenhouse Gas Emissions/Impact on Climate Change:**

GHG emissions for long-term operations were quantified using the US EPA GHG Emission Factors Hub, EMFAC2017, California Air Resources Board, EMFAC Project Analysis Model for Greenhouse Gas, CalEEMod, and site utility data. As you will find the facility's impact on climate change is less than significant as it is below the GHG thresholds of significance for CEQA as established for Sacramento Metropolitan Air Quality Management District.

In accordance with CEQA requirements for Sacramento MAQMD, this AQIA and GHG Study concludes that emissions from the Project are consistent with District air quality attainment and maintenance plans, by demonstrating emissions are below the significance thresholds.

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Part I – Air Quality Setting

A. Regional Air Quality

The Federal Clean Air Act requires that the State prepare a State Implementation Plan (SIP) to attain and maintain the National Ambient Air Quality Standards (NAAQS) set by the U.S. EPA. The California Clean Air Act divides the responsibility of attaining and maintaining the NAAQS between the California Air Resources Board (CARB) and the regional districts set by CARB. Both the State of California and the Federal government have established ambient air quality standards for six criteria air pollutants, including Ozone (O₃), Carbon Monoxide (CO), Nitrogen Dioxide (NO₂), Sulfur Dioxide (SO₂) and Particulate Matter (PM) with a diameter of 10 micrometers or less and two and a half micrometers or less (PM₁₀, PM_{2.5}). The State of California also adopted standards for Visibility-Reducing Particles (VRP), sulfates, hydrogen sulfide and vinyl chloride. Refer to Table 1 for the Ambient Air Quality Standards.

On a regional level, the Sacramento Metropolitan Air Quality Management District (SMAQMD, or district) works in conjunction with CARB and the U.S. EPA to implement an Air Quality Management Plan (AQMP) to meet the State and Federal requirements. Once the AQMP is developed and approved by CARB and the EPA, it becomes part of the SIP. The district is charged with setting rules and regulations to reach the standards set forth in the AQMP.

Table 1: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,5}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		-		
Fine Particulate Matter (PM _{2.5}) ⁹	24 Hour	-	-	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	-	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	-	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		-	-	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	-	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	-	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	-		-	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	-	
	Annual Arithmetic Mean	-		0.030 ppm (for certain areas) ¹¹	-	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	-	-	High Volume Sampler and Atomic Absorption
	Calendar Quarter	-		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	-		0.15 µg/m ³		
Visibility Reducing Particulates ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			
See footnotes on next page ...						

Footnotes:

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM₁₀, PM_{2.5}, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM_{2.5}, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved. Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

B. Local Air Quality

The Project is located within Sacramento County. The SMAQMD has jurisdiction over most air quality issues in the Sacramento County. The district will act as a responsible agency and assist the City of Elk Grove in assessing the potential adverse air quality impacts created by the facility.

The published NAAQS standards, both Federal and State represent a level of outdoor air pollution that are defined as the maximum acceptable concentrations that, depending on the pollutant, may not be the same as or exceed more than once per year over three years. California has generally adopted more stringent standards for the criteria pollutants. Table 1.1 summarizes the attainment status for the Sacramento Air Quality Basin as of 2020 for criteria pollutants. If a pollutant concentration in an area is lower than the established standard, the area is classified as being in "attainment" for that pollutant. If the pollutant concentration meets or exceeds the standard depending on the specific standard for the individual pollutants, the area is classified as a "non-attainment" area. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated "unclassified". Sacramento County does not attain the following state and federal ambient air quality standards (AAQS) as of March 5, 2020:

- 1- Hour state ozone standard
- 8- Hour federal and state ozone standard
- 24-Hour federal particulate matter PM_{2.5} standard
- 24-Hour and annual state particulate matter PM₁₀ standards

Table 1.1: Attainment Status of Criteria Pollutants in Sacramento County

Pollutant	Federal ¹	State ¹
O ₃ (One-Hour)	Attainment (2009)	Nonattainment
O ₃ (Eight-Hour)	Non-Attainment	Non-Attainment
PM ₁₀ (24-hour)	Attainment (2013)	Non-Attainment
PM ₁₀ (Annual)	No Federal Standard	Non-Attainment
PM _{2.5} (24-hour)	Non-Attainment	No State Standard
PM _{2.5} (Annual)	Attainment (2013)	Attainment
CO (1 Hour) and (8-Hour)	Attainment (1998)	Attainment
NO ₂ (1 Hour and Annual)	Unclassifiable/Attainment	Attainment
Sox (1 Hour and 24-Hour)	Attainment	Attainment
Lead	Attainment (2011)	Attainment
Hydrogen Sulfide (1 Hour)	No Federal Standard	Unclassified
Sulfates (24 Hour)	No Federal Standard	Attainment

1. Areas are deemed "attainment" if the Federal or State ambient air quality standards are met or nonattainment if they are not met. An unclassified area is used when there is insufficient data to determine attainment status. EPA designates areas as "unclassifiable/attainment" if they meet the standard or are expected to meet the standard despite a lack of monitoring data.

Table 1.2 below summarizes historical air quality data from 2014 through 2019 for monitoring sites surrounding the facility location from four monitoring stations. Pollutants monitored by SMAQMD stations include ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, PM₁₀ and PM_{2.5}. The monitoring data shows that the area exceeded national and/or state ozone, PM₁₀, and PM_{2.5} ambient air quality standards within the previous six-year period.

Table 1.2: Air Quality Monitoring Summary

Air Pollutant	Averaging Time	Item	2014	2015	2016	2017	2018	2019
Ozone	1-hour	Max 1-hour (ppm) ^{1,5}	0.089	0.091	0.089	0.104	0.096	0.103
		Days > State Standard (0.09 ppm) ^{1,5}	0	0	0	1	1	1
	8-hour	Max 8-hour (ppm) ^{1,5}	0.072	0.082	0.073	0.086	0.082	0.078
		Days > State Standard (0.07 ppm) ^{1,5}	2	2	1	3	2	6
		Days > National Standard (0.07 ppm) ^{1,5}	1	2	1	3	2	4
Carbon Monoxide	8-hour	Max 8-hour (ppm) ^{2,4}	1.4	1.3	1.6	1.3	4	1.4
		Days > National/State Standard (9 ppm) ^{2,4}	0	0	0	0	0	0
Nitrogen Dioxide	Annual	Annual (ppm) ^{2,4}	5.12	4.59	3.19	3.44	3.51	3.21
	1-hour	Max 1-hour (ppm) ^{2,4}	1.8	2.1	2.3	1.6	4.1	1.9
		Days > State Standard (0.18 ppm) ^{1,5}	0	0	0	0	0	0
Sulfur Dioxide ²	1-Hour	Max 1-hour (ppm) ^{4,6}	5.3	8.9	9.7	7.3	3.3	3.4
		Days > State Standard (0.25 ppm) ^{3,4}	0	0	0	0	0	0
	24-hour	Max 24-hour (µg/m ³) ^{3,4}	4.9	8.2	8.9	5.9	1.1	1.1
	Annual	Annual Mean (ppm) ^{3,4}	.74	1.79	2.66	1.85*	0.37	0.38
PM ₁₀	24-hour	Max (State) 24-hour (µg/m ³) ^{3,5}	42.8	51.4	42.2	65.8	224.0	110.4
		Days > State Standard (50 µg/m ³) ^{3,5}	0	2	0	6	3	5
		Days > National Standard (150 µg/m ³) ^{3,5}	0	0	0	0	2	0
PM _{2.5}	24-hour	Max 24-hour (State) (µg/m ³) ^{3,5}	39.5	54.5	57.5	45.2	250.0	41.4
		Max 24-hour (National) (µg/m ³) ^{3,5}	32.0	54.5	48.6	42.0	228.4	41.4
		Days > National Standard (35 µg/m ³) ^{3,5}	0	8	3	6	10	3

1. Data from monitoring site ID No. 060670012 Bruceville Rd., Elk Grove, CA
2. Data from monitoring site ID No. 060670002 Blackfoot Way, North Highlands, CA
3. Data from monitoring site ID No. 060670006 Del Paso-2701 Avalon Dr, Sacramento, CA
4. EPA Air Data Monitor Values Report by Geographic Area (Footnote 1,2,6 for area determination)
5. CARB iADAM Top 4 Summary
6. * The mean does not satisfy minimum data completeness criteria

C. Climate Change

In recent decades, the scientific community determined that anthropogenic (human) activities have caused changes in global climate that impact natural and human systems. The United Nations Framework Convention on Climate Change (UNFCCC) defines climate change as: "a change of climate which is attributed directly or indirectly to human activity that alters the composition of the global atmosphere and which is in addition to natural climate variability observed over comparable time periods." Based on studies covering a wide range of regions, effects on natural and human systems from extreme weather and climate events have been observed.

Changing precipitation patterns and melting snow and ice are altering hydrological systems, affecting run-off and water resources downstream (IPCC, 2014). Warmer temperatures continue to cause glaciers to shrink and accelerate thawing of permafrost. Significant ecosystem shifts and species extinctions have also been studied and documented. Terrestrial, freshwater, and marine species have shifted their geographic ranges, seasonal activities, and migration patterns in response to ongoing climate change. Negative effects on crop yields threaten food security for many populations. Lastly, vulnerable regions have experienced increased frequency of extreme geophysical impacts including floods, droughts, and sea level rise (IPCC, 2014). Impacts are not limited to the aforementioned examples as scientific knowledge relevant to climate change risks continues to develop.

1. Greenhouse Effect

Climate change is a result of an intensified greenhouse effect. The greenhouse effect is when thermal radiation (heat) emitted by the land and ocean is absorbed by GHG molecules and clouds, then reradiated back to Earth. This effect warms the planet's surface and the lower atmosphere. Anthropogenic activities, primarily the burning of fossil fuels and clearing of forests, has greatly intensified the natural greenhouse effect (IPCC, 2007). Carbon dioxide, methane, nitrous oxide, and fluorinated gases are GHGs as defined below (U.S. EPA, 2010). Burning fossil fuels adds more greenhouse gases, primarily CO₂, to the atmosphere thereby causing increased warming. Deforestation reduces the amount of CO₂ which plants remove from the atmosphere via photosynthesis.

Carbon Dioxide (CO₂)

Carbon dioxide (CO₂) is the primary GHG emitted through human activities. In 2012, CO₂ accounted for about 82% of all U.S. GHG emissions from human activities. CO₂ is naturally present in the atmosphere as part of the Earth's carbon cycle (the natural circulation of carbon among the atmosphere, oceans, soil, plants, and animals). Human activities are altering the carbon cycle—both by adding more CO₂ to the atmosphere and by influencing the ability of natural sinks, like forests, to remove CO₂ from the atmosphere. While CO₂ emissions come from a variety of natural sources, human-related emissions are responsible for the increase that has occurred in the atmosphere since the industrial revolution.

Methane (CH₄)

Methane (CH₄) is the second most prevalent GHG emitted in the United States from human activities. In 2012, CH₄ accounted for about 9% of all U.S. GHG emissions from human activities. Methane is emitted by natural sources such as plant decomposition from wetlands, as well as human activities such as leakage from natural gas system piping and tanks, and the raising of livestock. Natural processes in soil and chemical reactions in the atmosphere help remove CH₄ from the atmosphere. Methane's lifetime in the atmosphere is much shorter than carbon dioxide (CO₂), but CH₄ is more efficient at trapping radiation than CO₂. Pound for pound, the comparative impact of CH₄ on climate change, known as Global Warming Potential (GWP), is over 20 times greater than CO₂ over a 100-year period.

Nitrous Oxide (N₂O)

In 2012, nitrous oxide (N₂O) accounted for about 6% of all U.S. GHG emissions from human activities. Nitrous oxide is naturally present in the atmosphere, as part of the Earth's nitrogen cycle, and has a variety of natural sources. However, human activities such as agriculture, fossil fuel combustion, wastewater management, and industrial processes are increasing the amount of N₂O in the atmosphere. Nitrous oxide molecules stay in the atmosphere for an average of 120 years before being removed by a sink or destroyed through chemical reactions. The GWP for N₂O is over 300 times that of CO₂.

Fluorinated Gases (HFCs, PFCs, SF₆)

Unlike many other greenhouse gases, fluorinated gases have no natural sources and only come from human-related activities. There are three main categories of fluorinated gases: hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). They are emitted through a variety of industrial processes such as aluminum and semiconductor manufacturing. Many fluorinated gases have very high GWPs relative to other greenhouse gases, so small atmospheric concentrations can have large effects on global temperatures. They can also have long atmospheric lifetimes. Like other long-lived GHGs, fluorinated gases are well-mixed in the atmosphere, dispersing around the atmosphere after they are emitted. Fluorinated gases are removed from the atmosphere only when they are destroyed by sunlight in the far upper atmosphere. In general, fluorinated gases are the most potent and longest lasting type of GHG emitted by anthropogenic activities.

2. Global Warming Potential

The IPCC developed a weighted metric to quantify the potential for a GHG to contribute to climate change. Each GHG has a published GWP which is based on its radiative efficiency and atmospheric persistence (lifetime) relative to CO₂. For instance, over a 100-year time horizon, a metric ton of nitrous oxide will trap 298 times more heat than an equal mass of carbon dioxide. Table 1.3 summarizes common GHGs, lifetime, and GWP.

Table 1.3: Greenhouse Gas Global Warming Potentials

GHG	Lifetime (years)	GWP (100-Year Time Horizon)
Carbon Dioxide	50-200	1
Methane	12	25
Nitrous Oxide	114	298
HFC-23	270	14,800
HFC-134a	14	1,430
HFC-152a	1.4	124
PFC-14	50,000	7,390
PFC-116	10,000	12,200
Sulfur Hexafluoride	3,200	22,800

Source: IPCC 2007

3. Impacts to California

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California (The California Global Warming Solutions Act, AB 32, 2006). The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems. Global warming will have detrimental effects on some of California's largest industries, including agriculture, wine, tourism, skiing, recreational and commercial fishing, and forestry. It will also increase the strain on electricity supplies necessary to meet the demand for summer air-conditioning in the hottest parts of the state.

Part II – Regulatory Setting

A. State of California

1. Toxic Air Contaminant Regulation

In 1987, the state of California established the Air Toxics "Hot Spots" Information and Assessment Act. The program is managed by both the CARB and local air districts throughout the state.

The goals of the program are to collect emissions data, identify facilities which are having localized impacts, ascertain health risks, notify nearby residences of significant risks, and work with facilities to reduce risks to acceptable levels through the air districts. This occurs during the permit process with local air districts and regular updates required by AB2588.

The list of toxic air contaminants is continually being evaluated and updated. Through Office of Environmental Health Hazard Assessment (OEHHA), existing and new data is constantly evaluated to determine toxicity of contaminants and utilized to revise guidelines, as necessary.

2. On-Road Heavy Duty Diesel Vehicles (In-Use) Regulation

In 1998, CARB defined diesel particulate as a human carcinogen. That determination led to the creation of regulations covering diesel engines in a number of industries and uses. Among those regulations was the On-Road Heavy Duty Diesel Vehicles (In-Use) Regulation, also known as the Bus and Truck rule.

Finally adopted in 2008, the regulation set out a schedule for trucks over 14,000 pounds to replace, repower, or retrofit a company's truck fleet to reduce diesel particulate emissions. By 2023, most trucks will have 2010 engines or newer, with a few exceptions. The regulation has gone through several updates and revisions since adoption. Most recently, proposed amendments were made in 2014 and adopted. Currently, those amendments have been implemented or are in the process of being implemented.

3. CARB Regulation for In-Use Off Road Diesel Vehicles

As discussed above, CARB adopted numerous regulations for the control of diesel particulate (and other critical particulate) to reduce exposure risks. Also included in that effort was the Off-Road Diesel Vehicle Regulation.

In 2007, CARB adopted regulation that subjected all off-road self-propelled diesel vehicles 25 HP or greater and used in California to be subject to reductions in oxides of nitrogen (NO_x) and particulate matter (PM) through fleet average emissions requirements. Fleets are broken down into three categories (large, medium, and small), each which have their own compliance schedule. The final compliance schedule for small fleets ends in 2028. As each fleet progresses through their fleet average targets, emissions are reduced. Compliance with the limits is achieved through replacement, retrofit, or repowering.

On September 13, 2013, CARB received final approval to enforce the In-Use Off-Road Diesel Vehicle Regulation, including the regulation's performance requirements.

4. California Global Warming Solutions Act

The California Global Warming Solutions Act of 2006 (AB 32) requires GHG emission reductions to 1990 levels by 2020 and tasks CARB with adopting regulations to require the reporting and verification of statewide GHG emissions and monitoring and enforcing compliance with this program (U.S. EPA, 2006). The bill authorizes, but does not require, the use of market-based compliance mechanisms. The emission regulations became effective January 1, 2012.

5. Executive Order S-3-05

In 2005, the Governor signed Executive Order S-3-05, which directs the Secretary of the California Environmental Protection Agency (CalEPA) to lead a multi-agency effort to meet the Governor's climate change emission reduction targets. The greenhouse gas emission reduction targets are to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050 (U.S. EPA, 2005).

B. Local Climate

The Project is in Elk Grove, California. Sacramento County is located within the boundaries of the Sacramento Valley Air Basin. The Sacramento Valley Air Basin is bounded by the North Coast Ranges on the west and Northern Sierra Nevada Mountains on the east. The intervening terrain is flat.

The Sacramento Valley has a Mediterranean climate, characterized by hot dry summers and mild rainy winters. During the year, the temperature may range from 20 to 115 degrees Fahrenheit with summer highs usually in the 90s and winter lows occasionally below freezing. The prevailing winds are moderate in strength and vary from moist breezes from the south to dry lands flows from the north.

The mountains surrounding the Sacramento Valley create a barrier to air flow, which can trap air pollutants in the valley when meteorological conditions are right, and a temperature inversion exists. Air stagnation in the autumn and early winter occurs when large high-pressure cells lie over the valley. The lack of surface wind during these periods and the reduced vertical flow caused by less surface heating reduces the influx of outside air and allows pollutants to become concentrated in the air. The surface concentrations of pollutants are highest when these conditions are combined with increased levels of smoke or when temperature inversions trap cool air, fog, and pollutants near the ground.

The ozone season (May through October) in the Sacramento Valley is characterized by stagnant morning air or light winds with the Delta sea breeze arriving in the afternoon out of the southwest. Usually, the evening breeze transports the airborne pollutants to the north out of the Sacramento Valley. During about half of the days from July to September, however, a phenomenon called the “Schultz Eddy” prevents this from occurring. Instead of allowing for the prevailing wind patterns to move north carrying the pollutants out of the valley, the Schultz Eddy causes the wind pattern and pollutants to circle back southward. This phenomenon’s effect exacerbates the pollution levels in the area and increases the likelihood of violation the federal and state air quality standards.

C. Sacramento Metropolitan AQMD

The SMAQMD develops air quality attainment plans and implements control measures consistent with emission reductions required by federal and state mandates. In July 2017 SMAQMD along with other air district which comprise the Sacramento Federal Ozone Nonattainment Area (SFNA) developed an attainment plan for Ozone. The 2017 attainment plan is a regional blueprint for achieving the federal air quality standards. The 2017 plan is designed to demonstrate attainment of the federal 2008 8-hour ozone standard (75 ppb) by 2024.

1. SMAQMD Rule Applicability

Below is a discussion of the SMAQMD applicable rules that the Project is subject to.

Rule 402 (Nuisances)

This facility will utilize Best Available Control Technology (BACT) and control measures during the operation of the facility. As discussed in subsequent sections, this includes control measures on the plant and management of Fugitive PM. Additionally, control devices at the asphalt storage tank and drum dryer control emissions from the operation. The utilization of BACT and control measures address nuisance issues.

Rule 403 (Fugitive Dust)

Rule 403 prohibits fugitive dust from being airborne beyond the property line from which the emissions originate. This facility will utilize water trucks on-site to control any fugitive emissions from becoming airborne beyond the property line.

Rule 411 (NO_x from Boilers, Process Heaters and Steam Generators)

Rule 411 requires heaters greater than 1 but greater than 5 million BTU per hour or greater to meet a NO_x limit of 30 ppm @ 3% O₂ and a CO limit of 400 ppm @ 3% O₂. The hot oil heater will utilize a Low NO_x burner which will meet these limits.

Rule 419 (NO_x From Miscellaneous Combustion Units)

Rule 419 requires asphalt operations to meet a NO_x limit of 40 ppm @ 3% O₂ and CO of 400 ppm @ 3% O₂. The hot mix asphalt dryer will utilize a Low NO_x burner which will meet these limits.

Part III – Emissions Methodology & Assumptions

A. Description of Facility

The facility will produce hot mix asphaltic concrete, recycled asphalt and concrete materials, and ready-mix concrete for wholesale delivery to construction industries for use in building materials, paving streets, and highways. Raw materials will be delivered to the site via on-highway trucks. The Project is on a 25 acres site. Located in an industrial area in the southeastern quadrant of the City of Elk Grove. The Project site is located 10000 Waterman Road. The site is zoned Heavy Industrial. Refer to Figure 1 for a vicinity map of the site.

1. Hot Mix Asphalt Plant

a. Asphaltic Concrete Production

The facility produces State of California Standard Specification asphalt concrete mixes, which typically consist of $\frac{3}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{8}$ " asphalt concrete mix.

Coarse material ($\frac{3}{4}$ " and $\frac{1}{2}$ " mixes) will comprise approximately 70% of total plant production with the $\frac{3}{8}$ " mix comprising approximately 20% and fine mix making up the remainder.

Raw aggregate is fed into a rotary dryer from an on-site cold feed system via an end loader. The material is heated to specification temperature to remove moisture and is mixed with liquid asphalt. The asphaltic concrete is discharged into an incline slat conveyor, which is fed into a hot asphalt silo. Waiting trucks are loaded from the hot asphalt silos, weighed, and driven to the paving site. (Refer to Appendix A, Figure 2.)

b. Recycled Asphalt Pavement

Recycled Asphalt Pavement (RAP) is loaded into the feed hopper where it is delivered by belt conveyor to the drum. Note that as RAP is added, the virgin aggregate is reduced by like amounts.

2. Recycled Asphalt Crushing and Screening Plant

Recycled asphalt and concrete are delivered to the site. The material is then delivered to the receiving hopper via an end loader. The recycled asphalt and concrete material is conveyed to a crusher and a screen for further processing. Once the material is crushed and screened to size the material, it is conveyed to stockpiles and used in the production of Hot Mix Asphalt or sold for wholesale delivery. (Refer to Appendix A, Figure 3.)

3. Ready Mix Concrete Batch Plant

Sand and aggregate are delivered to the site and stockpiled. An end loader will transfer the aggregate to receiving hoppers. Each hopper feeds belt conveyors that will discharge into aggregate storage bins. The aggregate materials are weighed and conveyed to a mixer where cement and fly ash are introduced.

Cement and Fly ash are delivered to storage silos by pneumatic trucks. The silos feed into weighing and batching hoppers before introduced into the mixer. Aggregate, water, cement, and fly ash are mixed in the mixer. The blended concrete will then be delivered into waiting mixer trucks. (Refer to Appendix A, Figure 4.)

4. Aggregate Unloading System

Aggregate will be delivered to the site via haul trucks, the bottom dump truck will unload the material to a hopper then conveyed into stockpiles. (Refer to Appendix A, Figure 5.)

5. Production Schedule

The production schedule for the impact analysis is based on permitted production for the Project. The table below details the production schedule for each operation.

Table 3.1: Production Schedule

Process	
Hot Mix Asphalt	300,000 tons/yr
Recycle Concrete	200,000 tons/yr
Ready Mix Concrete	200,000 cu yards/yr (4,060,001 tons/yr)
Raw Material Import	600,000 tons/yr
Aggregate Material Sales	200,000 tons/yr

Part IV – Air Quality Impact Analysis

A. Existing Conditions

The proposed project is currently zoned Heavy Industrial (HI). The property to the north is zoned light and heavy industrial lands with a storage facility next door. To the south is an existing oil facility with three large tanks and production facilities. To the east, across Waterman Road, are resource management and conservation lands under PG&E right of way as well as light industrial lands. The closest residence is located approximately 300 feet from the property boundary to the west. There are two off-site worker receptors located to the North and South of the facility. There are two residential communities, one east of the facility and one west of the facility. This analysis evaluates the emissions from the proposed project.

B. Air Quality Significance Thresholds

To determine whether or not air quality impacts from the project are significant, emissions from the project are evaluated and compared to the significance thresholds during the operation phase. Table 4.1 lists significance threshold for the construction and operational phase. Table 4.2 lists the significance thresholds for the operational phase for toxic air contaminant. If impacts equal or exceed any of the following criteria, the project will be considered significant under CEQA. If the project is considered significant, the applicant will be required to identify mitigation measures to reduce impacts to the extent feasible.

Table 4.1: SMAQMD Air Quality Significance Thresholds

Significance Thresholds		
Pollutant	Construction Phase	Operational Phase
NO _x	85 lb/day	65 lb/day
ROG (VOC)	NONE	65 lb/day
PM ₁₀	Zero (0). If all feasible BACT/BMP are applied, then 80 lb/day and 14.6 tons/yr	Zero (0). If all feasible BACT/BMP's are applied, then 80 lbs/day and 14.6 tons/year
PM _{2.5}	Zero (0). If all feasible BACT/BMP's are applied, then 82 lb/day and 15 tons/yr	Zero (0). If all feasible BACT/BMP's are applied, then 82 lb/day and 15 tons/yr
GHG as CO ₂ e	1,100 metric tons/yr	10,000 metric tons/yr

Table 4.2: Toxic Air Contaminant Significance Thresholds

TAC for Stationary Sources Only	
Cancer Risk	Maximum Incremental Cancer Risk > 10 in one million at any off-site receptor.
Non-Cancer (Hazard Index)	Chronic and Acute Hazard Index > 1 at any off-site receptor

C. Short Term Project Impacts (Construction Phase)

The construction phase of this facility will be completed with minimal site preparation. Materials will need to be imported on-site to fill the site to level grade. It is estimate approximately 26,910 cubic yards will be needed to fill the site. The site will be graded prior to any the equipment delivered to the site. A total of 14 acres will be graded and the entrance to the road will be paved. A water truck will be on site to control any fugitive dust during the construction phase.

The construction emissions were calculated using the California Emissions Estimator Model (CALEEMOD) program. Project modeling inputs include the grading of the site, paving of the site and installation of various shops, labs, and office. The CalEEMOD model estimates total facility emissions from short term construction activities. Appendix “B” contains the CalEEMOD daily and annual summary for complete on-site and off-site emission estimate by construction phase, site preparation, grading, and paving. The resulting emissions are summarized on the tables below.

Table 4.3A: Daily Emissions from Short-Term Project Impacts

Maximum Daily Emissions (lb/day)			
	NO_x	PM₁₀	PM_{2.5}
Maximum (lb/day)	55.3	18.29	9.4
SMAQMD Threshold	85	80	82
Significant (Yes/No)?	No	No	No

Table 4.3B: Annual Emissions from Short-Term Project Impacts

Maximum Annual Emissions (Tons/year)		
	PM₁₀	PM_{2.5}
Maximum (Tons/year)	0.16	0.08
SMAQMD Threshold	14.6	15
Significant (Yes/No)?	No	No

In order to support the use of the District’s non-zero threshold of significance for construction particulate matter (PM) emissions, the District provides guidance on Best Management Practices (BMP’s) as stated in Chapter 3 of the Districts CEQA guide, Basic Construction Emission Control Practices (Best Management Practices), July 2019. Since the construction phase will be greater than zero, the following best management practices will be implemented for the construction phase:

- Control fugitive dust as required by Rule 403
- Water all exposed surfaces two times daily.

- Cover or maintain at least two feet of free board space on haul trucks importing soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered.
- Use wet power vacuum street sweeper to remove any visible trackout mud or dirt onto adjacent public road at least once a day. Use of dry power sweeping is prohibited.
- Limit vehicle speeds on unpaved roads to 15 miles per hour (mph).
- All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.

The following practices from the on-site mobile diesel equipment will be implemented:

- Minimize idling time by shutting equipment off when not in use or reducing the time of idling to 5 minutes. Provide clear signage that posts this requirement for worker at the entrances to the site.
- Provide current certifications of compliance for CARB's In-Use Off-Road Diesel-Fueled Fleet Regulations (DOORS).

D. Long-Term Project Impacts (Operational Phase)

Long-term (operational) project impacts include emissions generated from the hot mix asphalt plant, ready mix plant, recycle plant, on-site and off-site haul truck exhaust. Operational emission sources generate PM₁₀, PM_{2.5}, NO_x, CO, SO_x, and VOC's.

1. Estimated Emissions from Hot Mix Asphalt Plant

Based on proposed production rates, emissions from the Hot Mix Asphalt plant have been developed. The hot mix asphalt dryer and hot oil heater will be fired on natural gas. The proposed production is based on 300,000 tons/yr. Emission calculations are discussed in detail as follows. The detailed calculations are included in Appendix "C", Tables 2-8.

The aggregate materials for the asphalt plant are supplied from off-site. PM₁₀ and PM_{2.5} will be generated by material handling and material processing operations. The conveyors will utilize water sprays on transfer point to mitigate any fugitive emissions.

EPA AP42 Tables 11.1-7, 11.1-8, 11.1-10, 11.1-12, 11.1-13, 11.1-15, 11.1-16 were utilized to calculate the emissions from the asphalt plant, silo loading and silo loadout. The emissions from the asphalt oil tanks were modeled with Tanks 4.09d was used to calculate the working and breathing loss emissions from the asphalt storage tanks. EPA AP42 Table 11.1-15 and 11.1-16 emission rates were utilized to calculate the toxic emissions from the asphalt storage tanks. EPA AP42 Table 11.19.2-2 was used to determine the emissions from the aggregate handling at the hot mix asphalt plant. The emissions from the hot oil heater were estimated based on South Coast Air Quality Management District default emission factors for natural gas combustion.

2. Estimated Emissions from Ready Mix Plant

Based on the proposed production rates, emission from the Ready-Mix plant have been developed. The proposed production is d 200,000 cubic yards/yr. Emission calculations are discussed in detail as follows. The detailed calculations are included in Appendix "C", Table 9-10.

The aggregate materials for the ready-mix plant are supplied from off-site. PM₁₀ and PM_{2.5} will be generated by material handling. The conveyors will utilize water sprays on transfer point to mitigate any fugitive emissions. EPA AP42 Tables 11.19.2-2 were utilized to calculate the emission from the ready-mix plant.

3. Recycle Asphalt and Concrete Plant

Based on the proposed production rates, emission from the recycle asphalt and concrete plant have been developed. The proposed production is 200,000 tons/yr.

The recycle asphalt and concrete will be deliver to the site. PM₁₀ and PM_{2.5} will be generated by material handling. The conveyors will utilize water sprays on transfer point to mitigate any fugitive emissions.

EPA AP42 Tables 11.19.2-2 were utilized to calculate the emissions from the recycle asphalt and concrete plant. The detailed calculations are included in Appendix "C", Table 16.

4. Mobile Equipment

Based on operating schedule for each on-site off-road mobile equipment, emissions estimates were developed. The detailed calculations are included in Appendix "C", Table 12.

5. On and Off-Site Truck Travel

Based on the volume of trucks for the facility, the emissions have been estimated for truck travel on-site and travel off-site to Highway 99. Emissions have also been estimated for the time vehicles idle on site. The detailed calculations are included in Appendix "C", Tables 11, 13 and 14.

6. Employee Trips

Based on the number of employees for the facility emissions have been estimated for travel to and from the site. The detailed calculations are included in Appendix "C", Table 15.

7. Fugitive Emissions

The facility will include both paved and unpaved truck travel on site. The fugitive emissions from the truck travel on site have been estimated based on truck volumes. The fugitive emissions from the stockpile of materials have been estimated based on the total acres of storage. The detailed calculations for are included in Appendix “C”, Tables 17 and 18 for haul roads and storage piles.

8. Overall Operational Emissions

The total operational emissions have been calculated and are summarized in Table 4.4 and Table 4.5 below. As you will find the Project is below the significant thresholds for NO_x and VOC’s, PM₁₀ and PM_{2.5}. The feasible Best Available Control Technology (BACT) and Best Management Practice (BMP) for PM₁₀ and PM_{2.5} which will be implemented is discussed in the following section.

**Table 4.4: Daily Emissions from Long-Term Project Impacts
(Operational Phase)**

Total Daily Operational Emissions (lb/day)				
Activity	ROG	NO_x	PM₁₀	PM_{2.5}
Ready Mix Plant			1.55	1.55
Asphalt Plant	31.08	11.95	21.39	9.62
Recycle Plant			0.93	0.14
Aggregate Unloading System			0.31	0.09
Off-Road Mobile Equipment	1.61	3.45	0.17	1.01
Truck Travel On-site	0.04	1.26	0.01	0.01
Truck Idling On-site	0.19	1.65	0.00	0.00
Tuck Travel Off-Site	0.08	6.16	0.03	0.03
Employee Travel	3.87E-03	0.016233	0.000629	0.000578
Stockpiles			3.16	0.92
Paved Roads			7.41	1.82
Unpaved Roads			15.44	0.15
Total (lb/day)	32.99	24.48	50.41	15.33
SMAQMD Threshold	65	65	80	82
Significant (Yes/No)?	NO	NO	NO	NO

Table 4.5: Annual Emissions from Long-Term Project Impacts (Operational Phase)

Total Annual Operational Emissions (Tons/Yr)		
Activity	PM₁₀	PM_{2.5}
Ready Mix Plant	0.28	0.28
Asphalt Plant	3.82	1.73
Recycle Plant	0.17	0.02
Aggregate Unloading System	0.06	0.02
Off-Road Mobile Equipment	0.01	0.07
Truck Travel On-site	0.00	0.00
Truck Idling On-site	0.00	0.00
Truck Travel Off-Site	0.01	0.01
Employee Travel	0.000112	0.000103
Stockpiles	0.58	0.17
Paved Roads	1.32	0.32
Unpaved Roads	2.74	0.03
Total (tons/yr)	8.97	2.36
SMAQMD Threshold	14.6	15
Significant (Yes/No)?	NO	NO

9. Best Available Control Technology (Stationary Source)

In order to support the use of the District's non-zero threshold of significance for operational particulate matter (PM) emissions, the District provides guidance on Best Management Practices (BMP's) as stated in Chapter 4 of the Districts CEQA guide, PM Best Management Practices, October 2020. Nitrogen oxide (NO_x) emissions are considered PM precursors within the District. The Project BACT and BMP's for NO_x and PM are identified below.

- The Hot Mix Asphalt Dryer will meet a BACT threshold of 33 ppm for NO_x at 3% O₂.
- The Hot Oil Heater will meet a BACT threshold of 9 ppm for NO_x at 3% O₂.

The following practices from the on-site mobile diesel equipment will be implemented:

- Minimize idling time by shutting equipment off when not in use or reducing the time of idling to 5 minutes. Provide clear signage that posts this requirement for worker at the entrances to the site.

10. Odors

The SMAQMD CEQA Guide, Chapter 7 requires that if a sensitive receptor is located within the 2-mile project screening distance of an asphalt plant, odor need to be analyzed. Asphalt plants have a number of state-of-the-art technologies which are employed to address the sources of odors from the operation of the plant. Many of these technologies are considered Best Available Control Technology (BACT) by the SMAQMD and as a result will be required as part of the permit application for a Permit to Operate.

The asphalt tanks will utilize a vent condenser with the tank to capture emissions which are generated as a result of displaced air while tank filling occurs. Additionally, since the vent condenser is integral to the tank, it will also capture emissions when the tank experiences any standing losses.

The asphalt plant silo filling and loadout will be controlled by a Blue Smoke Control device. This blend of particulate and vapors is controlled through the silo filling and loadout duct work vented to the blue smoke control device.

Appendix A, Figure 6 includes the windrose for the area. As you will find the predominate wind pattern is from the southwest to the northeast.

11. California Ambient Air Quality Standards

The SMAQMD Threshold of Significance establishes concentrations thresholds based on California ambient air quality standards for criteria pollutants. Table 4.6, below, details the thresholds of significance.

Table 4.6: SMAQMD Thresholds of Significance Table

Concentration Thresholds (based on the California Ambient Air Quality Standard)	
CO	20 ppm 1-hour standard (23 mg/m ³); 9 ppm 8-hour standard (10 mg/m ³)
NO₂	0.18 ppm 1-hour standard (μg/m ³); 0.03 ppm Annual Arithmetic Mean (57 μg/m ³)
SO₂	0.25 ppm 1-hour standard (665 μg/m ³); 9 ppm 8-hour standard (105 mg/m ³)
Lead	1.5 μg/m ³ 30-day average
Visibility Reducing Particles	Extinction coefficient of 0.23 per kilometer – visibility of ten miles or more due to particles when relative humidity is less than 70 percent
Sulfates	25 μg/m ³ 24-hour standard
H₂S	0.03 ppm (42 μg/m ³) 1-hour standard
Vinyl Chloride	0.01 ppm (26 μg/m ³) 24-hour standard

Ambient air quality model was completed utilizing Trinity BREEZE AREMOD air dispersion model. The results from the CO, NO_x and SO_x model can be found in Appendix “D”. The electronic input files can be obtained upon request. Below you will find the results from the model run compared to the concentration thresholds.

Table 4.7: Unmitigated Ambient Air Quality Concentrations

Ambient Air Quality Unmitigated Results				
	Averaging Time	=	Highest GLC Concentration (mg/m ³)	Threshold Concentration (mg/m ³)
CO	1 hr		1.67	< 23
	8 hr		0.72	< 10
	Averaging Time	=	Highest GLC Concentration (µg/m ³)	Threshold Concentration (µg/m ³)
NO _x	1-hr		231.91	< 339
	Annual		9.90	< 57
	Averaging Time	=	Highest GLC Concentration (µg/m ³)	Threshold Concentration (µg/m ³)
SO _x	1-hr		4.43	< 665
	24 hr		0.78	< 105

Modeling was not completed for Lead, Visibility Reducing Particulate, Sulfates, H₂S or Vinyl Chloride as this project has negligible emissions from these pollutants. As you will find the modeled concentrations are below the ambient air quality standards, therefore is considered less than significant.

Part V – Health Risk Assessment

A Health Risk Assessment (HRA) was prepared for the long-term operational phase of the Project. The analysis evaluates potential public health effects from Toxic Air Contaminant (TAC) emissions from the facility operations. The emission sources include the drum dryer unit vented to a baghouse, asphalt oil tanks, filling and loadout of the silos, trucks traveling on-site and to highway 99, and trucks idling on-site, off-road mobile equipment and the Ready Mix Plant.

An HRA was prepared in accordance with the recommended *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (OEHHA, February 2015) and *Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (SMAQMD August 2003). Air dispersion modeling was prepared using U.S. EPA AERMOD. Dispersion data was processed through HARP2 (*Hotspots Analysis and Reporting Program*), and emissions data was incorporated into HARP2 dated 3/20/2017. The electronic input and output files from AERMOD and HARP 2 will be provided upon request. Refer to Appendix "E" for modeling methodology and TAC emission calculations can be found in Appendix "C". A map detailing the location of the offsite residential and worker receptors may be found as in Appendix "E", Figure 1.

The health risk assessment focus is to demonstrate that the project will not cause the operation to create an impact which exceeds significance thresholds. The Health Risk Analysis was evaluated at the full potential production of the facility.

A. Modeling Parameters

The following table details the parameters utilized for the model.

Table 5.1: HRA Model Parameters

Dispersion Model	BREEZE AERMOD (Version 1621r)
Meteorological Data	Executive Airport 2014-2018
Emission Sources	Dryer Baghouse Stack: Point Source Ready Mix Baghouse Stack: Point Source Silo Loadout and Silo Filing: Point Source Hot Oil Heater: Point Source On-Site Traveling Diesel Trucks: Volume Source Customer Truck Travel: Volume Source On-Site Idling Diesel Trucks: Point Source Asphalt Oil Tanks: Point Source Off-Road Mobile Equipment: (6) Area Sources Sweeper: Volume Sources

B. Maximum Cancer Risk

The SMAQMD has adopted thresholds of significance to identify the environmental impact of a project. The specific threshold limit for the Maximum Individual Cancer Risk (MICR) is 10 in a million and the limit for Chronic Hazard Index (HIC) is 1.0 and Acute Hazard Index (HIA) is 1.0.

Table 5.2: Maximum Cancer Risk at Sensitive Receptors

Receptor	Receptor No.	UTM Location	Maximum Project Impact	SMAQMD Significance Threshold	Significant (Yes/No)?
Cancer Risk (Residential)	3	643912.5, 4250828.9	8.54 in one million	10 in one million	NO
Cancer Risk (Worker)	2	643728.5,4250904.3	9.11 in one million	10 in one million	NO
Chronic Risk (Residential)	3	643912.5, 4250828.9	0.02	1.0	NO
Chronic Risk (Worker)	2	643728.5,4250904.3	0.59	1.0	NO
Chronic Risk 8-Hr (Worker)	2	643728.5,4250904.3	0.02	1.0	NO
Acute Risk (Residential)	3	643912.5, 4250828.9	0.09	1.0	NO
Acute Risk (Worker)	1	643728.5,4250904.3	0.29	1.0	NO

As demonstrated in the table above, emissions from the proposed Project do not exceed the cancer exposure threshold for residents and workers of ten in a million. The non-cancer chronic hazard index and acute hazard index are also below the threshold of 1.0.

Part VI – Greenhouse Gas Analysis

A. GHG Emission Inventory

Projects have the option to comply with an adopted statewide, regional, or local plan for reduction and mitigation for GHG. To ensure the project evaluation is complete, TES has quantified GHG emissions. The analysis highlights the project emissions and discusses other areas where reductions are already taking place from indirect sources.

AB32 requires the California Air Resources Board (CARB) to take several steps to reduce California's GHG emissions to 1990 levels by 2020. As part of this process, CARB adopted regulations to establish the Cap and Trade Program. Examples of entities required to participate in the Cap and Trade Program include facilities such as refineries, fuel import business and cement manufactures. Effective January 1, 2015, fuel suppliers and importers were required to participate in the Cap and Trade Program and acquire allowances or offset. Electric generating facilities are also subject to the Cap and Trade Program. Cap and Trade regulation is an approved greenhouse gas emission reduction plan. Compliance with the Cap and Trade program would avoid or substantially lessen the impact of project-specific greenhouse gas emissions.

In May 2014, the first Update to the initial Scoping Plan was released which describes progress made to meet near-term objectives of AB32. The update frames activities and issues facing the State as it develops an integrated framework for achieving both air quality and climate goals in California beyond 2020. The update includes recommendations for establishing a mid-term emissions limits which align with the State's long-term goal of an emissions limit 80 percent below 1990 levels by 2050.

The site will be operated on grid power supplied by electric generating facilities which are subject to the Cap and Trade program. The project complies with adoptive statewide, regional, or local plan for reduction or mitigation of GHG emissions through the use of grid power, therefore the project achieves a less than significant impact.

The GHG inventory in Table 6.1 quantifies project total carbon dioxide-equivalents (CO₂e) emissions. GHG emissions for long-term operations were quantified using emission factors from the Title 40 CFR Part 98, EMFAC2017, and SMAQMD Off-Road Mobile Source database. The calculations for CO₂e can be found in Appendix "C for detailed calculation methodology.

Table 6.1 GHG Emissions

Overall Greenhouse Gas Facility Emissions (MT CO₂e/year)	
Activity	GHG (MT CO₂e)
Asphalt Plant	4,548.48
Off-Road Mobile Equipment	367.19
Truck Travel On-site	109.86
Truck Idling On-site	46.24
Truck Travel Off-Site	484.61
Employee Travel	18.50
Electricity	682.22
Total (tons/yr)	5,574.88
SMAQMD Threshold	10,000
Significant (Yes/No)?	NO

The facility total in MT CO₂e per year is 5,574.88. Since the total GHG emissions are less than the 10,000 MT/yr CO₂e² for the facility, the project achieves a less than significant impact.

While the other sources on and off the site are not directly a source of GHG the indirect sources of emissions through the utilities are a source. Since these sources are in compliance with the CAP and Trade Program this project also complies with adopted statewide mitigation. Therefore, it is appropriate to consider this facility's impact on climate change as less than significant as it meets both the SMAQMD threshold of significance and statewide mitigation standards.

Part VII – Conclusion

In accordance with CEQA requirements for the Sacramento Metropolitan Air Quality Management District, this AQIA concludes that emissions from the Grant Line Construction Aggregate Production and Recycling Facility are consistent with District air quality attainment and maintenance plan. The project does not:

- a) Conflict with or obstruct implementation of the applicable air quality plan;
- b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard;
- c) Expose sensitive receptors to substantial pollutant concentrations;
- d) Result in other emissions (such as those leading to odors) which adversely affects a substantial number of people.

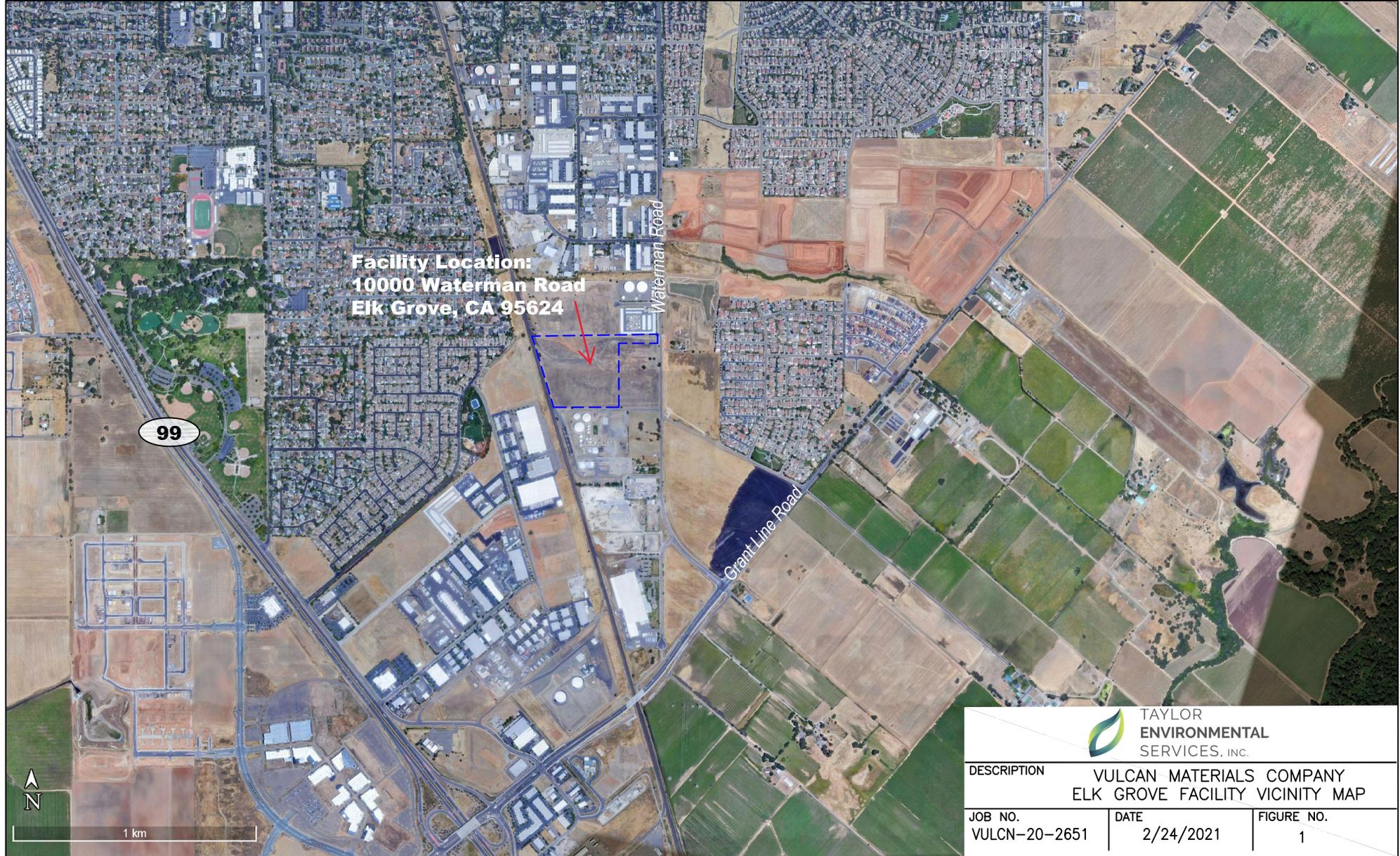
Based on these criteria and the SMAQMD Air Quality Significance Thresholds, it is appropriate to consider this project as meeting the air quality significance thresholds for CEQA for all pollutants.

References

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- California Air Resources Board, EMFAC Project Analysis, March 2020 Website: <https://arb.ca.gov/emfac/project-analysis>
- California Air Resource Board, Ambient Air Quality Standards, May 4, 2016 <https://ww2.arb.ca.gov/resources/california-ambient-air-quality-standards>
- California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA). *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. 2015. Website: <http://oehha.ca.gov/media/downloads/cnrn/2015guidancemanual.pdf>
- CalEEMOOD User's Guide for CalEEMod Version 2016.3.2, November 9, 2017 Website: <http://www.caleemod.com/>
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- Sacramento Metropolitan Air Quality Management District. CEQA Guidance & Tools Website: <http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/CEQA-Guidance-Tools>
- U.S. Environmental Protection Agency. GHG Emission Factor Hub. March 2020. Website: <https://www.epa.gov/climateleadership/ghg-emission-factors-hub>
- U.S. Environmental Protection Agency. *Greenhouse Gas Emissions Data*. 2014. Website: <http://www.epa.gov/climatechange/ghgemissions/>

APPENDIX A

FIGURES



**Facility Location:
10000 Waterman Road
Elk Grove, CA 95624**

99

Waterman Road

Grant Line Road

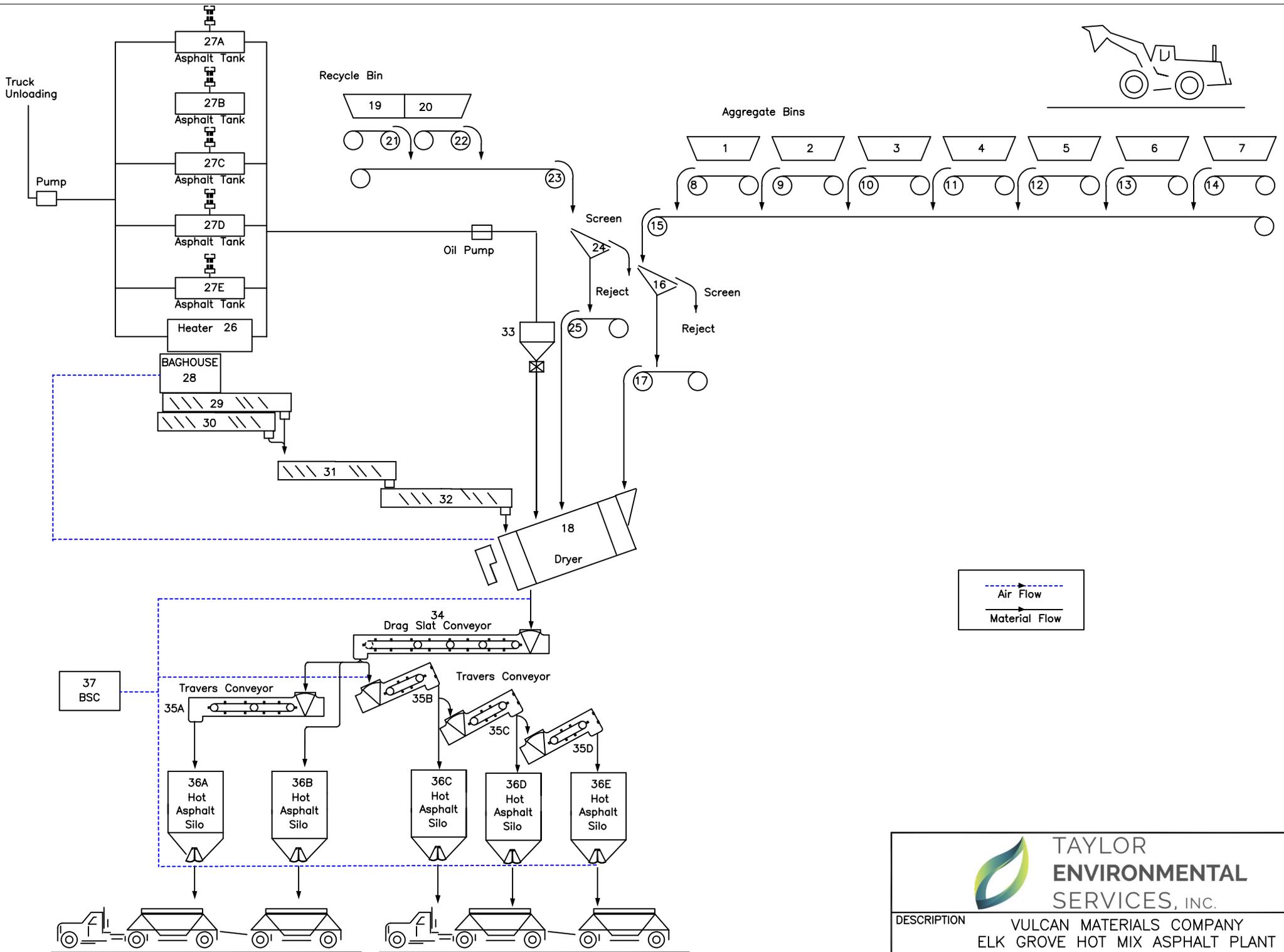
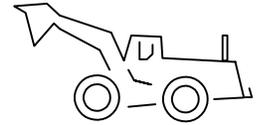
TAYLOR
ENVIRONMENTAL
SERVICES, INC.

DESCRIPTION
VULCAN MATERIALS COMPANY
ELK GROVE FACILITY VICINITY MAP

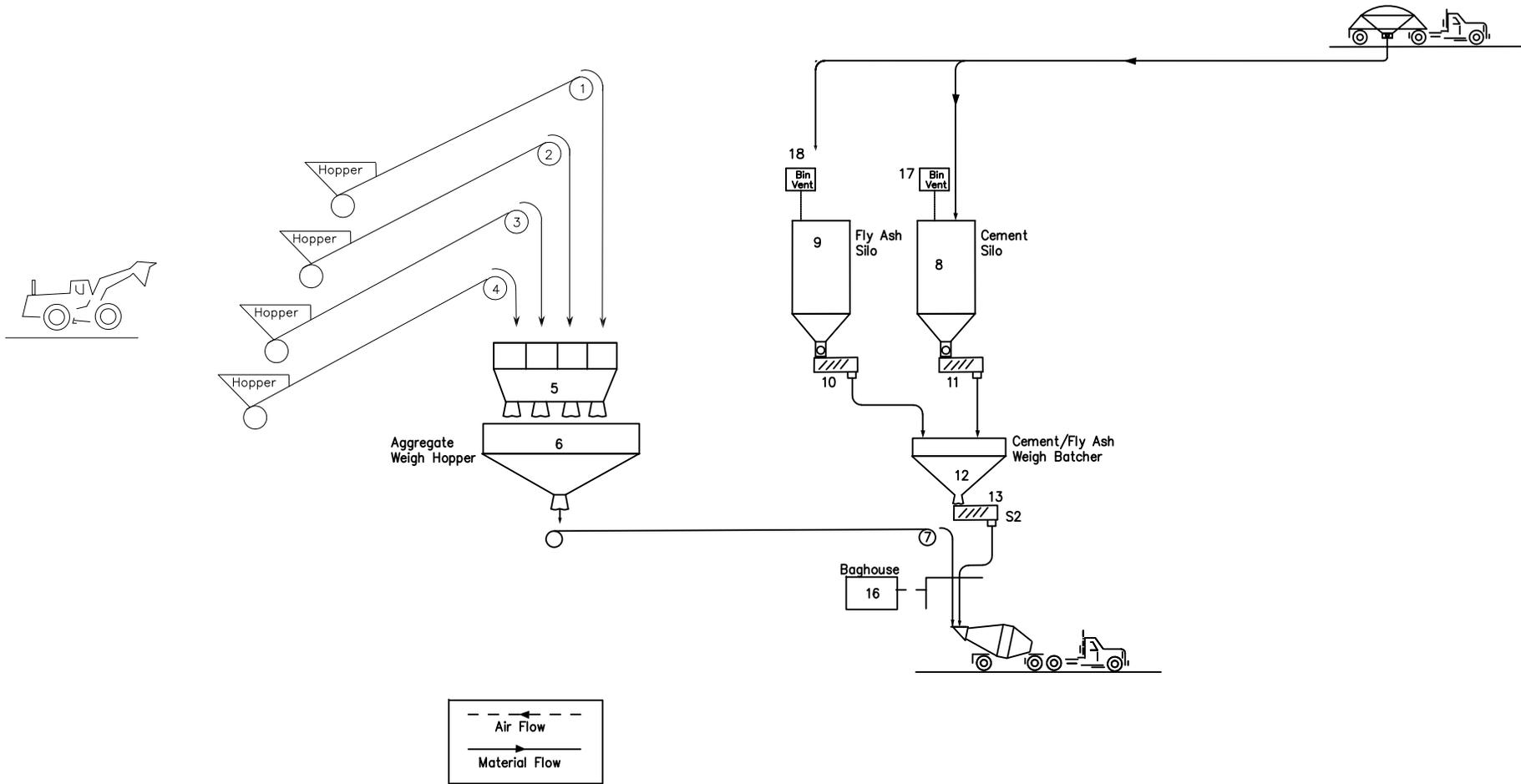
JOB NO. VULCN-20-2651	DATE 2/24/2021	FIGURE NO. 1
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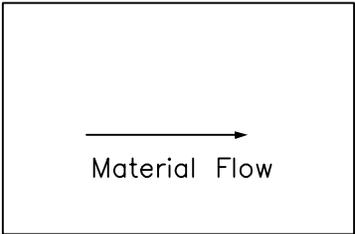
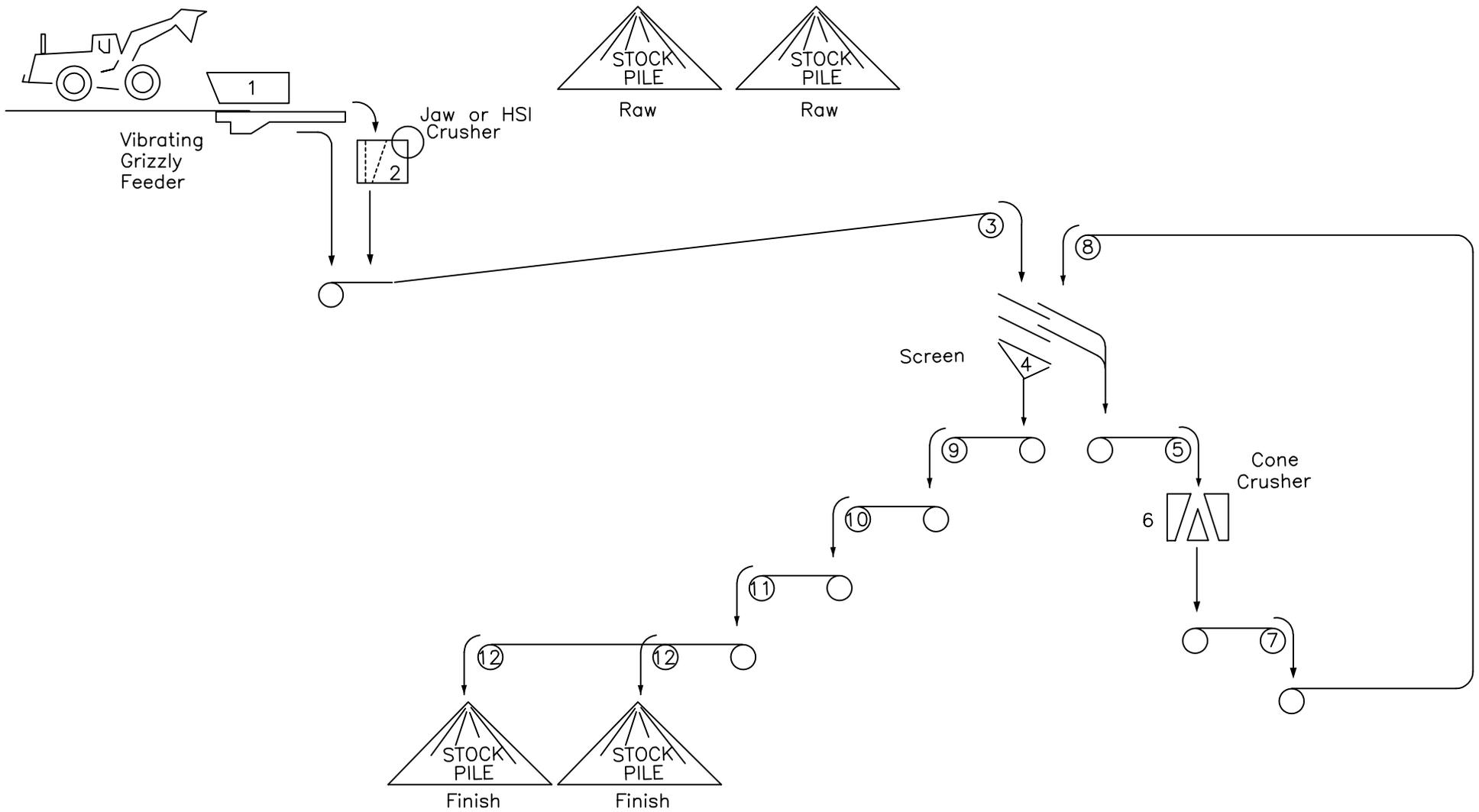
1 km



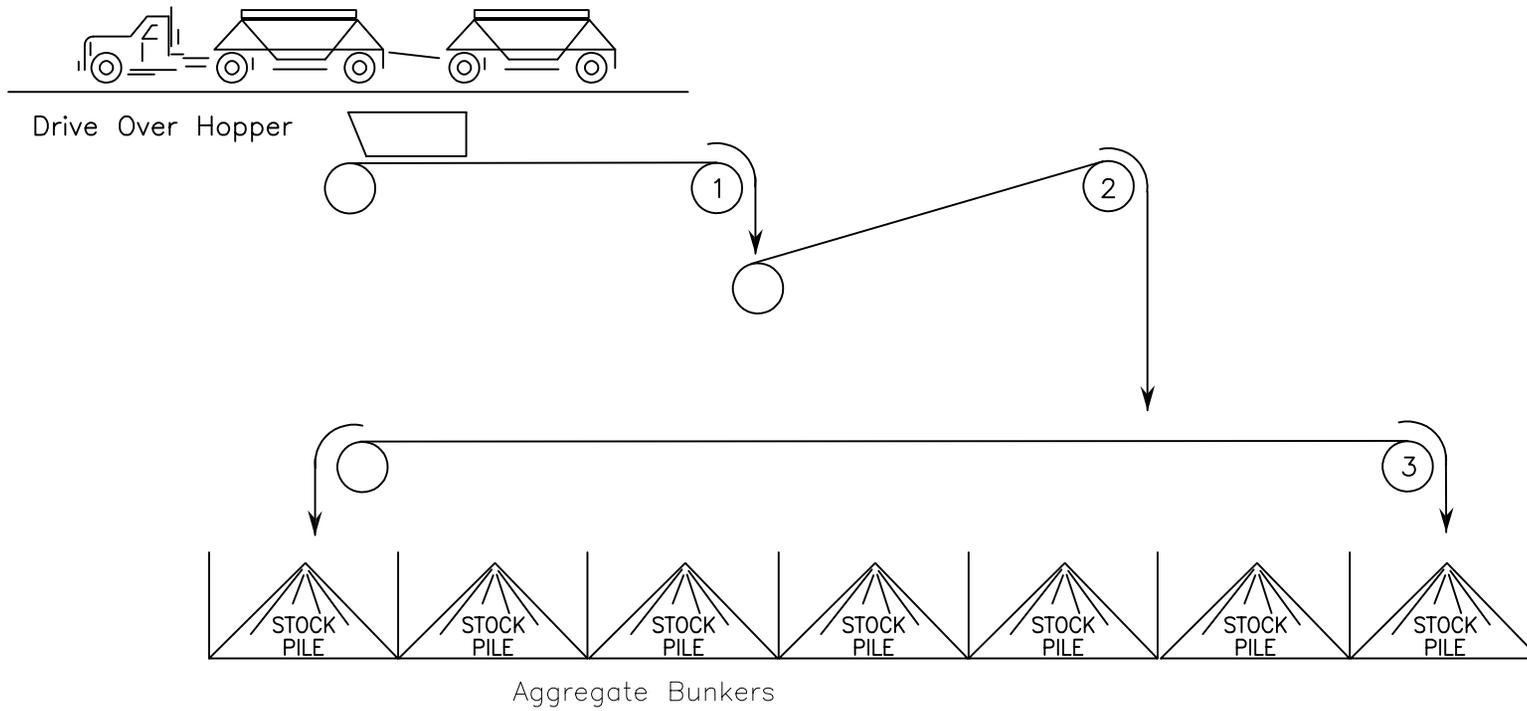
 TAYLOR ENVIRONMENTAL SERVICES, INC.		
DESCRIPTION VULCAN MATERIALS COMPANY ELK GROVE HOT MIX ASPHALT PLANT		
JOB NO.	DATE	FIGURE NO.
VULCN-20-2651	3/23/2021	2



 TAYLOR ENVIRONMENTAL SERVICES, INC.		
DESCRIPTION VULCAN MATERIALS COMPANY Transit Ready Mix Plant		
JOB NO.	DATE	DWG. NO.
VULCN-20-2651	2/24/21	Figure 3



 TAYLOR ENVIRONMENTAL SERVICES, INC.		
DESCRIPTION VULCAN MATERIALS COMPANY ELK GROVE RECYCLE PLANT		
JOB NO. VULCN-20-2651	DATE 3/23/2021	FIGURE NO. 4



TAYLOR
ENVIRONMENTAL
 SERVICES, INC.

DESCRIPTION VULCAN MATERIALS COMPANY
 Unloading Systems

JOB NO.
 VULCN-20-2651

DATE
 03/31/2021

DWG. NO.
 5

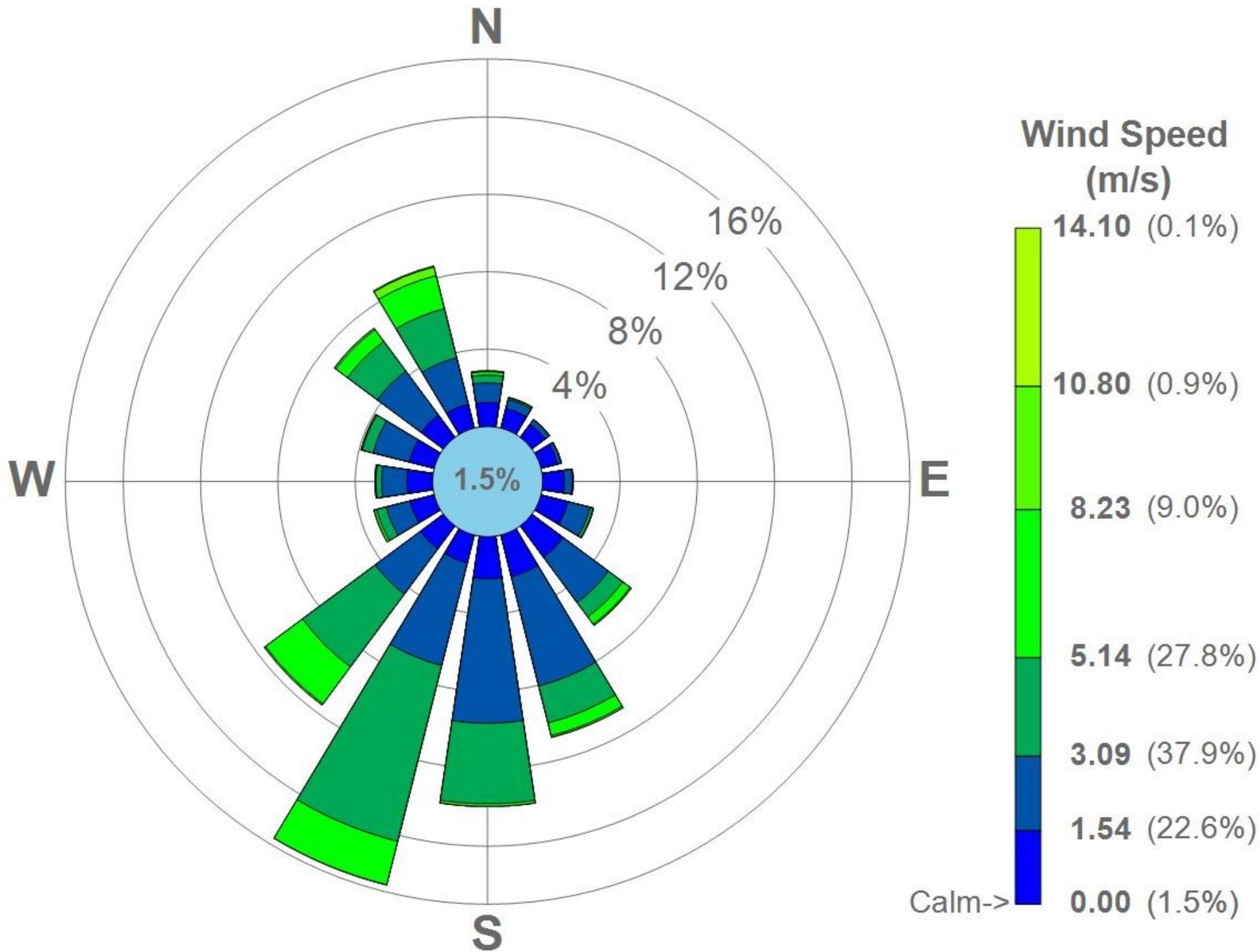


Figure No. 6

APPENDIX B

CALEEMOD CONSTRUCTION PHASE EMISSIONS

Vulcan Granteline - Sacramento Valley Air Basin, Summer

Vulcan Granteline
Sacramento Valley Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	20.00	1000sqft	0.46	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	65
Climate Zone	6			Operational Year	2023
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Total days were updated based on information provided by facility

Off-road Equipment - Based on data from Facility and site construction

Grading - Based on Data from facility

Architectural Coating - There will be no residential portions to this project

Off-road Equipment -

Off-road Equipment - Cut and fill of 26,910 yd3 import

Trips and VMT - Hauling trips are included for 26,000 tons fill utilizing 25 ton trucks

Vulcan Granteline - Sacramento Valley Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblConstructionPhase	NumDays	1.00	11.00
tblConstructionPhase	NumDays	2.00	11.00
tblConstructionPhase	NumDays	100.00	82.00
tblConstructionPhase	NumDays	5.00	8.00
tblConstructionPhase	NumDays	2.00	13.00
tblGrading	AcresOfGrading	0.00	14.00
tblGrading	AcresOfGrading	5.50	0.50
tblGrading	AcresOfGrading	13.00	25.00
tblGrading	MaterialImported	0.00	26,910.00
tblOffRoadEquipment	HorsePower	187.00	81.00
tblOffRoadEquipment	LoadFactor	0.41	0.73
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	3,364.00	1,040.00
tblTripsAndVMT	WorkerTripNumber	18.00	15.00

2.0 Emissions Summary

Vulcan Granteline - Sacramento Valley Air Basin, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4790	2.0000e-005	2.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6600e-003
Energy	0.0212	0.1924	0.1616	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8461	230.8461	4.4200e-003	4.2300e-003	232.2179
Mobile	0.0614	0.2870	0.6522	2.4100e-003	0.1866	1.7000e-003	0.1883	0.0500	1.5900e-003	0.0516		245.1463	245.1463	9.7700e-003		245.3905
Total	0.5615	0.4794	0.8158	3.5600e-003	0.1866	0.0163	0.2030	0.0500	0.0162	0.0662		475.9968	475.9968	0.0142	4.2300e-003	477.6131

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4790	2.0000e-005	2.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6600e-003
Energy	0.0212	0.1924	0.1616	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8461	230.8461	4.4200e-003	4.2300e-003	232.2179
Mobile	0.0614	0.2870	0.6522	2.4100e-003	0.1866	1.7000e-003	0.1883	0.0500	1.5900e-003	0.0516		245.1463	245.1463	9.7700e-003		245.3905
Total	0.5615	0.4794	0.8158	3.5600e-003	0.1866	0.0163	0.2030	0.0500	0.0162	0.0662		475.9968	475.9968	0.0142	4.2300e-003	477.6131

Vulcan Granteline - Sacramento Valley Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/19/2022	2/2/2022	5	11	
2	Cut and Fill	Grading	2/3/2022	2/21/2022	5	13	
3	Grading	Grading	2/22/2022	3/8/2022	5	11	
4	Building Construction	Building Construction	3/9/2022	6/30/2022	5	82	
5	Paving	Paving	7/1/2022	7/12/2022	5	8	
6	Architectural Coating	Architectural Coating	7/13/2022	7/19/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 14

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Vulcan Granteline - Sacramento Valley Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Cut and Fill	Graders	2	8.00	81	0.73
Cut and Fill	Rubber Tired Dozers	2	8.00	247	0.40
Cut and Fill	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Cut and Fill	Concrete/Industrial Saws	1	8.00	81	0.73

Trips and VMT

Vulcan Granteline - Sacramento Valley Air Basin, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Cut and Fill	7	15.00	0.00	1,040.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0482	0.0000	0.0482	5.2000e-003	0.0000	5.2000e-003			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.0482	0.2573	0.3055	5.2000e-003	0.2367	0.2419		942.5179	942.5179	0.3048		950.1386

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0197	0.0104	0.1457	4.0000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		39.9416	39.9416	1.0300e-003		39.9674
Total	0.0197	0.0104	0.1457	4.0000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		39.9416	39.9416	1.0300e-003		39.9674

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0482	0.0000	0.0482	5.2000e-003	0.0000	5.2000e-003			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.0482	0.2573	0.3055	5.2000e-003	0.2367	0.2419	0.0000	942.5179	942.5179	0.3048		950.1386

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0197	0.0104	0.1457	4.0000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		39.9416	39.9416	1.0300e-003		39.9674
Total	0.0197	0.0104	0.1457	4.0000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		39.9416	39.9416	1.0300e-003		39.9674

3.3 Cut and Fill - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.5117	0.0000	14.5117	6.9055	0.0000	6.9055			0.0000			0.0000
Off-Road	4.0225	37.0052	24.3351	0.0396		2.1931	2.1931		2.0297	2.0297		3,828.7440	3,828.7440	1.0789		3,855.7176
Total	4.0225	37.0052	24.3351	0.0396	14.5117	2.1931	16.7048	6.9055	2.0297	8.9352		3,828.7440	3,828.7440	1.0789		3,855.7176

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.3 Cut and Fill - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5436	18.2384	3.2586	0.0632	1.3979	0.0606	1.4585	0.3831	0.0579	0.4410		6,661.5624	6,661.5624	0.2626		6,668.1270
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0590	0.0311	0.4372	1.2000e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		119.8248	119.8248	3.1000e-003		119.9022
Total	0.6026	18.2695	3.6958	0.0644	1.5211	0.0614	1.5825	0.4158	0.0587	0.4744		6,781.3872	6,781.3872	0.2657		6,788.0293

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.5117	0.0000	14.5117	6.9055	0.0000	6.9055			0.0000			0.0000
Off-Road	4.0225	37.0052	24.3351	0.0396		2.1931	2.1931		2.0297	2.0297	0.0000	3,828.7440	3,828.7440	1.0789		3,855.7176
Total	4.0225	37.0052	24.3351	0.0396	14.5117	2.1931	16.7048	6.9055	2.0297	8.9352	0.0000	3,828.7440	3,828.7440	1.0789		3,855.7176

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.3 Cut and Fill - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5436	18.2384	3.2586	0.0632	1.3979	0.0606	1.4585	0.3831	0.0579	0.4410		6,661.5624	6,661.5624	0.2626		6,668.1270
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0590	0.0311	0.4372	1.2000e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		119.8248	119.8248	3.1000e-003		119.9022
Total	0.6026	18.2695	3.6958	0.0644	1.5211	0.0614	1.5825	0.4158	0.0587	0.4744		6,781.3872	6,781.3872	0.2657		6,788.0293

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1025	0.0000	2.1025	0.5595	0.0000	0.5595			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	2.1025	0.3375	2.4400	0.5595	0.3225	0.8821		1,147.9025	1,147.9025	0.2119		1,153.2001

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0208	0.2915	8.0000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		79.8832	79.8832	2.0600e-003		79.9348
Total	0.0393	0.0208	0.2915	8.0000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		79.8832	79.8832	2.0600e-003		79.9348

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1025	0.0000	2.1025	0.5595	0.0000	0.5595			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	2.1025	0.3375	2.4400	0.5595	0.3225	0.8821	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0208	0.2915	8.0000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		79.8832	79.8832	2.0600e-003		79.9348
Total	0.0393	0.0208	0.2915	8.0000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		79.8832	79.8832	2.0600e-003		79.9348

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.0000e-003	0.3025	0.0603	8.4000e-004	0.0203	7.5000e-004	0.0211	5.8500e-003	7.2000e-004	6.5700e-003		88.5548	88.5548	4.4000e-003		88.6648
Worker	0.0315	0.0166	0.2332	6.4000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		63.9066	63.9066	1.6500e-003		63.9478
Total	0.0405	0.3191	0.2935	1.4800e-003	0.0860	1.1800e-003	0.0872	0.0233	1.1100e-003	0.0244		152.4613	152.4613	6.0500e-003		152.6127

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.0000e-003	0.3025	0.0603	8.4000e-004	0.0203	7.5000e-004	0.0211	5.8500e-003	7.2000e-004	6.5700e-003		88.5548	88.5548	4.4000e-003		88.6648
Worker	0.0315	0.0166	0.2332	6.4000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		63.9066	63.9066	1.6500e-003		63.9478
Total	0.0405	0.3191	0.2935	1.4800e-003	0.0860	1.1800e-003	0.0872	0.0233	1.1100e-003	0.0244		152.4613	152.4613	6.0500e-003		152.6127

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0708	0.0374	0.5246	1.4400e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		143.7898	143.7898	3.7200e-003		143.8827
Total	0.0708	0.0374	0.5246	1.4400e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		143.7898	143.7898	3.7200e-003		143.8827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0708	0.0374	0.5246	1.4400e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		143.7898	143.7898	3.7200e-003		143.8827
Total	0.0708	0.0374	0.5246	1.4400e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		143.7898	143.7898	3.7200e-003		143.8827

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.0800					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	37.2845	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.8600e-003	4.1500e-003	0.0583	1.6000e-004	0.0164	1.1000e-004	0.0165	4.3600e-003	1.0000e-004	4.4600e-003		15.9766	15.9766	4.1000e-004		15.9870
Total	7.8600e-003	4.1500e-003	0.0583	1.6000e-004	0.0164	1.1000e-004	0.0165	4.3600e-003	1.0000e-004	4.4600e-003		15.9766	15.9766	4.1000e-004		15.9870

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.0800					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	37.2845	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Vulcan Granteline - Sacramento Valley Air Basin, Summer

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.8600e-003	4.1500e-003	0.0583	1.6000e-004	0.0164	1.1000e-004	0.0165	4.3600e-003	1.0000e-004	4.4600e-003		15.9766	15.9766	4.1000e-004		15.9870
Total	7.8600e-003	4.1500e-003	0.0583	1.6000e-004	0.0164	1.1000e-004	0.0165	4.3600e-003	1.0000e-004	4.4600e-003		15.9766	15.9766	4.1000e-004		15.9870

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Vulcan Granteline - Sacramento Valley Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0614	0.2870	0.6522	2.4100e-003	0.1866	1.7000e-003	0.1883	0.0500	1.5900e-003	0.0516		245.1463	245.1463	9.7700e-003		245.3905
Unmitigated	0.0614	0.2870	0.6522	2.4100e-003	0.1866	1.7000e-003	0.1883	0.0500	1.5900e-003	0.0516		245.1463	245.1463	9.7700e-003		245.3905

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	30.00	30.00	30.00	87,585	87,585
Total	30.00	30.00	30.00	87,585	87,585

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.546645	0.035890	0.197836	0.113293	0.020769	0.005403	0.022328	0.047186	0.001633	0.001687	0.005655	0.000779	0.000896

5.0 Energy Detail

Vulcan Granteline - Sacramento Valley Air Basin, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0212	0.1924	0.1616	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8461	230.8461	4.4200e-003	4.2300e-003	232.2179
NaturalGas Unmitigated	0.0212	0.1924	0.1616	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8461	230.8461	4.4200e-003	4.2300e-003	232.2179

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	1962.19	0.0212	0.1924	0.1616	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8461	230.8461	4.4200e-003	4.2300e-003	232.2179
Total		0.0212	0.1924	0.1616	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8461	230.8461	4.4200e-003	4.2300e-003	232.2179

Vulcan Granteline - Sacramento Valley Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	1.96219	0.0212	0.1924	0.1616	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8461	230.8461	4.4200e-003	4.2300e-003	232.2179
Total		0.0212	0.1924	0.1616	1.1500e-003		0.0146	0.0146		0.0146	0.0146		230.8461	230.8461	4.4200e-003	4.2300e-003	232.2179

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4790	2.0000e-005	2.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6600e-003
Unmitigated	0.4790	2.0000e-005	2.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6600e-003

Vulcan Granteline - Sacramento Valley Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6600e-003
Total	0.4790	2.0000e-005	2.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6600e-003
Total	0.4790	2.0000e-005	2.0400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3800e-003	4.3800e-003	1.0000e-005		4.6600e-003

Vulcan Granteline - Sacramento Valley Air Basin, Summer

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Vulcan Granteline - Sacramento Valley Air Basin, Annual

Vulcan Granteline
Sacramento Valley Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	20.00	1000sqft	0.46	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	65
Climate Zone	6			Operational Year	2023
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Total days were updated based on information provided by facility

Off-road Equipment - Based on data from Facility and site construction

Grading - Based on Data from facility

Architectural Coating - There will be no residential portions to this project

Off-road Equipment -

Off-road Equipment - Cut and fill of 26,910 yd3 import

Trips and VMT - Hauling trips are included for 26,000 tons fill utilizing 25 ton trucks

Vulcan Granteline - Sacramento Valley Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	0.00
tblConstructionPhase	NumDays	1.00	11.00
tblConstructionPhase	NumDays	2.00	11.00
tblConstructionPhase	NumDays	100.00	82.00
tblConstructionPhase	NumDays	5.00	8.00
tblConstructionPhase	NumDays	2.00	13.00
tblGrading	AcresOfGrading	0.00	14.00
tblGrading	AcresOfGrading	5.50	0.50
tblGrading	AcresOfGrading	13.00	25.00
tblGrading	MaterialImported	0.00	26,910.00
tblOffRoadEquipment	HorsePower	187.00	81.00
tblOffRoadEquipment	LoadFactor	0.41	0.73
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	3,364.00	1,040.00
tblTripsAndVMT	WorkerTripNumber	18.00	15.00

2.0 Emissions Summary

Vulcan Granteline - Sacramento Valley Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
4	12-3-2021	3-2-2022	0.4738	0.4738
5	3-3-2022	6-2-2022	0.2634	0.2634
6	6-3-2022	9-2-2022	0.2061	0.2061
		Highest	0.4738	0.4738

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0874	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	119.5111	119.5111	4.7300e-003	1.5300e-003	120.0843
Mobile	8.9600e-003	0.0538	0.1055	4.1000e-004	0.0327	3.1000e-004	0.0330	8.7800e-003	2.9000e-004	9.0700e-003	0.0000	37.7434	37.7434	1.5800e-003	0.0000	37.7830
Waste						0.0000	0.0000		0.0000	0.0000	5.0342	0.0000	5.0342	0.2975	0.0000	12.4720
Water						0.0000	0.0000		0.0000	0.0000	1.4673	6.7009	8.1682	0.1510	3.6300e-003	13.0248
Total	0.1002	0.0889	0.1352	6.2000e-004	0.0327	2.9800e-003	0.0357	8.7800e-003	2.9600e-003	0.0117	6.5015	163.9559	170.4573	0.4549	5.1600e-003	183.3645

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0874	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	119.5111	119.5111	4.7300e-003	1.5300e-003	120.0843
Mobile	8.9600e-003	0.0538	0.1055	4.1000e-004	0.0327	3.1000e-004	0.0330	8.7800e-003	2.9000e-004	9.0700e-003	0.0000	37.7434	37.7434	1.5800e-003	0.0000	37.7830
Waste						0.0000	0.0000		0.0000	0.0000	5.0342	0.0000	5.0342	0.2975	0.0000	12.4720
Water						0.0000	0.0000		0.0000	0.0000	1.4673	6.7009	8.1682	0.1510	3.6300e-003	13.0248
Total	0.1002	0.0889	0.1352	6.2000e-004	0.0327	2.9800e-003	0.0357	8.7800e-003	2.9600e-003	0.0117	6.5015	163.9559	170.4573	0.4549	5.1600e-003	183.3645

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Vulcan Granteline - Sacramento Valley Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/19/2022	2/2/2022	5	11	
2	Cut and Fill	Grading	2/3/2022	2/21/2022	5	13	
3	Grading	Grading	2/22/2022	3/8/2022	5	11	
4	Building Construction	Building Construction	3/9/2022	6/30/2022	5	82	
5	Paving	Paving	7/1/2022	7/12/2022	5	8	
6	Architectural Coating	Architectural Coating	7/13/2022	7/19/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 14

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Vulcan Granteline - Sacramento Valley Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Cut and Fill	Graders	2	8.00	81	0.73
Cut and Fill	Rubber Tired Dozers	2	8.00	247	0.40
Cut and Fill	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Cut and Fill	Concrete/Industrial Saws	1	8.00	81	0.73

Trips and VMT

Vulcan Granteline - Sacramento Valley Air Basin, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Cut and Fill	7	15.00	0.00	1,040.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1900e-003	0.0381	0.0218	5.0000e-005		1.4200e-003	1.4200e-003		1.3000e-003	1.3000e-003	0.0000	4.7027	4.7027	1.5200e-003	0.0000	4.7407
Total	3.1900e-003	0.0381	0.0218	5.0000e-005	2.7000e-004	1.4200e-003	1.6900e-003	3.0000e-005	1.3000e-003	1.3300e-003	0.0000	4.7027	4.7027	1.5200e-003	0.0000	4.7407

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3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1802	0.1802	0.0000	0.0000	0.1803
Total	9.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1802	0.1802	0.0000	0.0000	0.1803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1900e-003	0.0381	0.0218	5.0000e-005		1.4200e-003	1.4200e-003		1.3000e-003	1.3000e-003	0.0000	4.7027	4.7027	1.5200e-003	0.0000	4.7407
Total	3.1900e-003	0.0381	0.0218	5.0000e-005	2.7000e-004	1.4200e-003	1.6900e-003	3.0000e-005	1.3000e-003	1.3300e-003	0.0000	4.7027	4.7027	1.5200e-003	0.0000	4.7407

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3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1802	0.1802	0.0000	0.0000	0.1803
Total	9.0000e-005	6.0000e-005	6.8000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1802	0.1802	0.0000	0.0000	0.1803

3.3 Cut and Fill - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0943	0.0000	0.0943	0.0449	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.2405	0.1582	2.6000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	22.5770	22.5770	6.3600e-003	0.0000	22.7360
Total	0.0262	0.2405	0.1582	2.6000e-004	0.0943	0.0143	0.1086	0.0449	0.0132	0.0581	0.0000	22.5770	22.5770	6.3600e-003	0.0000	22.7360

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3.3 Cut and Fill - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.1218	0.0222	4.1000e-004	8.7800e-003	4.0000e-004	9.1800e-003	2.4100e-003	3.8000e-004	2.8000e-003	0.0000	38.9368	38.9368	1.6100e-003	0.0000	38.9772
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.2000e-004	2.4000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.8000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6387	0.6387	2.0000e-005	0.0000	0.6391
Total	3.9200e-003	0.1220	0.0246	4.2000e-004	9.5500e-003	4.1000e-004	9.9600e-003	2.6100e-003	3.8000e-004	3.0100e-003	0.0000	39.5755	39.5755	1.6300e-003	0.0000	39.6163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0943	0.0000	0.0943	0.0449	0.0000	0.0449	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0262	0.2405	0.1582	2.6000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	22.5769	22.5769	6.3600e-003	0.0000	22.7360
Total	0.0262	0.2405	0.1582	2.6000e-004	0.0943	0.0143	0.1086	0.0449	0.0132	0.0581	0.0000	22.5769	22.5769	6.3600e-003	0.0000	22.7360

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3.3 Cut and Fill - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5900e-003	0.1218	0.0222	4.1000e-004	8.7800e-003	4.0000e-004	9.1800e-003	2.4100e-003	3.8000e-004	2.8000e-003	0.0000	38.9368	38.9368	1.6100e-003	0.0000	38.9772
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.2000e-004	2.4000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.8000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6387	0.6387	2.0000e-005	0.0000	0.6391
Total	3.9200e-003	0.1220	0.0246	4.2000e-004	9.5500e-003	4.1000e-004	9.9600e-003	2.6100e-003	3.8000e-004	3.0100e-003	0.0000	39.5755	39.5755	1.6300e-003	0.0000	39.6163

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0116	0.0000	0.0116	3.0800e-003	0.0000	3.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-003	0.0353	0.0411	7.0000e-005		1.8600e-003	1.8600e-003		1.7700e-003	1.7700e-003	0.0000	5.7275	5.7275	1.0600e-003	0.0000	5.7539
Total	3.9000e-003	0.0353	0.0411	7.0000e-005	0.0116	1.8600e-003	0.0134	3.0800e-003	1.7700e-003	4.8500e-003	0.0000	5.7275	5.7275	1.0600e-003	0.0000	5.7539

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3603	0.3603	1.0000e-005	0.0000	0.3605
Total	1.9000e-004	1.3000e-004	1.3600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3603	0.3603	1.0000e-005	0.0000	0.3605

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0116	0.0000	0.0116	3.0800e-003	0.0000	3.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-003	0.0353	0.0411	7.0000e-005		1.8600e-003	1.8600e-003		1.7700e-003	1.7700e-003	0.0000	5.7275	5.7275	1.0600e-003	0.0000	5.7539
Total	3.9000e-003	0.0353	0.0411	7.0000e-005	0.0116	1.8600e-003	0.0134	3.0800e-003	1.7700e-003	4.8500e-003	0.0000	5.7275	5.7275	1.0600e-003	0.0000	5.7539

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3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3603	0.3603	1.0000e-005	0.0000	0.3605
Total	1.9000e-004	1.3000e-004	1.3600e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3603	0.3603	1.0000e-005	0.0000	0.3605

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0281	0.2881	0.2933	4.7000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	41.0606	41.0606	0.0133	0.0000	41.3926
Total	0.0281	0.2881	0.2933	4.7000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	41.0606	41.0606	0.0133	0.0000	41.3926

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0126	2.6700e-003	3.0000e-005	8.1000e-004	3.0000e-005	8.4000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	3.2518	3.2518	1.7000e-004	0.0000	3.2561
Worker	1.1200e-003	7.5000e-004	8.0800e-003	2.0000e-005	2.5900e-003	2.0000e-005	2.6100e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.1486	2.1486	5.0000e-005	0.0000	2.1500
Total	1.5000e-003	0.0133	0.0108	5.0000e-005	3.4000e-003	5.0000e-005	3.4500e-003	9.2000e-004	5.0000e-005	9.7000e-004	0.0000	5.4005	5.4005	2.2000e-004	0.0000	5.4061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0281	0.2881	0.2933	4.7000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	41.0605	41.0605	0.0133	0.0000	41.3925
Total	0.0281	0.2881	0.2933	4.7000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	41.0605	41.0605	0.0133	0.0000	41.3925

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0126	2.6700e-003	3.0000e-005	8.1000e-004	3.0000e-005	8.4000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	3.2518	3.2518	1.7000e-004	0.0000	3.2561
Worker	1.1200e-003	7.5000e-004	8.0800e-003	2.0000e-005	2.5900e-003	2.0000e-005	2.6100e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.1486	2.1486	5.0000e-005	0.0000	2.1500
Total	1.5000e-003	0.0133	0.0108	5.0000e-005	3.4000e-003	5.0000e-005	3.4500e-003	9.2000e-004	5.0000e-005	9.7000e-004	0.0000	5.4005	5.4005	2.2000e-004	0.0000	5.4061

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5900e-003	0.0237	0.0281	5.0000e-005		1.1800e-003	1.1800e-003		1.1000e-003	1.1000e-003	0.0000	3.7587	3.7587	1.0900e-003	0.0000	3.7861
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.5900e-003	0.0237	0.0281	5.0000e-005		1.1800e-003	1.1800e-003		1.1000e-003	1.1000e-003	0.0000	3.7587	3.7587	1.0900e-003	0.0000	3.7861

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3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.6000e-004	1.7700e-003	1.0000e-005	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4717	0.4717	1.0000e-005	0.0000	0.4720
Total	2.5000e-004	1.6000e-004	1.7700e-003	1.0000e-005	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4717	0.4717	1.0000e-005	0.0000	0.4720

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5900e-003	0.0237	0.0281	5.0000e-005		1.1800e-003	1.1800e-003		1.1000e-003	1.1000e-003	0.0000	3.7587	3.7587	1.0900e-003	0.0000	3.7861
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.5900e-003	0.0237	0.0281	5.0000e-005		1.1800e-003	1.1800e-003		1.1000e-003	1.1000e-003	0.0000	3.7587	3.7587	1.0900e-003	0.0000	3.7861

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3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.6000e-004	1.7700e-003	1.0000e-005	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4717	0.4717	1.0000e-005	0.0000	0.4720
Total	2.5000e-004	1.6000e-004	1.7700e-003	1.0000e-005	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4717	0.4717	1.0000e-005	0.0000	0.4720

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0932	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0328	0.0328	0.0000	0.0000	0.0328
Total	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0328	0.0328	0.0000	0.0000	0.0328

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0932	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0328	0.0328	0.0000	0.0000	0.0328
Total	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0328	0.0328	0.0000	0.0000	0.0328

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.9600e-003	0.0538	0.1055	4.1000e-004	0.0327	3.1000e-004	0.0330	8.7800e-003	2.9000e-004	9.0700e-003	0.0000	37.7434	37.7434	1.5800e-003	0.0000	37.7830
Unmitigated	8.9600e-003	0.0538	0.1055	4.1000e-004	0.0327	3.1000e-004	0.0330	8.7800e-003	2.9000e-004	9.0700e-003	0.0000	37.7434	37.7434	1.5800e-003	0.0000	37.7830

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	30.00	30.00	30.00	87,585	87,585
Total	30.00	30.00	30.00	87,585	87,585

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.546645	0.035890	0.197836	0.113293	0.020769	0.005403	0.022328	0.047186	0.001633	0.001687	0.005655	0.000779	0.000896

5.0 Energy Detail

Vulcan Granteline - Sacramento Valley Air Basin, Annual

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.2920	81.2920	3.9900e-003	8.3000e-004	81.6380
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	81.2920	81.2920	3.9900e-003	8.3000e-004	81.6380
NaturalGas Mitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2192	38.2192	7.3000e-004	7.0000e-004	38.4463
NaturalGas Unmitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2192	38.2192	7.3000e-004	7.0000e-004	38.4463

Vulcan Granteline - Sacramento Valley Air Basin, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	716200	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2192	38.2192	7.3000e-004	7.0000e-004	38.4463
Total		3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2192	38.2192	7.3000e-004	7.0000e-004	38.4463

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	716200	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2192	38.2192	7.3000e-004	7.0000e-004	38.4463
Total		3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2192	38.2192	7.3000e-004	7.0000e-004	38.4463

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	303600	81.2920	3.9900e-003	8.3000e-004	81.6380
Total		81.2920	3.9900e-003	8.3000e-004	81.6380

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	303600	81.2920	3.9900e-003	8.3000e-004	81.6380
Total		81.2920	3.9900e-003	8.3000e-004	81.6380

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0874	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Unmitigated	0.0874	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Total	0.0874	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Total	0.0874	0.0000	1.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.1682	0.1510	3.6300e-003	13.0248
Unmitigated	8.1682	0.1510	3.6300e-003	13.0248

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	4.625 / 0	8.1682	0.1510	3.6300e-003	13.0248
Total		8.1682	0.1510	3.6300e-003	13.0248

Vulcan Granteline - Sacramento Valley Air Basin, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	4.625 / 0	8.1682	0.1510	3.6300e-003	13.0248
Total		8.1682	0.1510	3.6300e-003	13.0248

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.0342	0.2975	0.0000	12.4720
Unmitigated	5.0342	0.2975	0.0000	12.4720

Vulcan Granteline - Sacramento Valley Air Basin, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	24.8	5.0342	0.2975	0.0000	12.4720
Total		5.0342	0.2975	0.0000	12.4720

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	24.8	5.0342	0.2975	0.0000	12.4720
Total		5.0342	0.2975	0.0000	12.4720

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Vulcan Granteline - Sacramento Valley Air Basin, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX C

OPERATIONAL PHASE EMISSIONS

Overall Daily Summary Table 1A

Activity	Total (lb/day)				
	ROG	NO_x	PM₁₀	PM_{2.5}	
Ready Mix Plant			1.55	1.55	
Asphalt Plant	31.08	11.95	21.39	9.62	
Recycle Plant			0.93	0.14	
Aggregate Unloading System			0.31	0.09	
Off-Road Mobile Equipment	1.61	3.45	0.17	1.01	
Truck Travel On-site	0.04	1.26	0.01	0.01	
Truck Idling On-site	0.19	1.65	0.00	0.00	
Tuck Travel Off-Site	0.08	6.16	0.03	0.03	
Employee Travel	3.87E-03	0.016233	0.000629	0.000578	
Stockpiles			3.16	0.92	
Paved Roads			7.41	1.82	
Unpaved Roads			15.44	0.15	
	Total (lb/day)	32.99	24.48	50.41	15.33
	SMAQMD Threshold	65	65	80	82
	Significant (Yes/No)?	NO	NO	NO	NO

Overall Annual Summary Table 1B

Activity	Total (Tons/yr)		GHG (MT CO ₂ e)
	PM ₁₀	PM _{2.5}	
Ready Mix Plant	0.28		
Asphalt Plant	3.82	1.73	4,548.48
Recycle Plant	0.17	0.02	
Aggregate Unloading System	0.06	0.02	
Off-Road Mobile Equipment	0.01	0.07	367.19
Truck Travel On-site	0.00	0.00	109.86
Truck Idling On-site	0.00	0.00	46.24
Truck Travel Off-Site	0.01	0.01	484.61
Employee Travel	0.000112	0.000103	18.50
Stockpiles	0.58	0.17	---
Paved Roads	1.32	0.32	---
Unpaved Roads	2.74	0.03	---
Electricity	---	---	682.22
Total (tons/yr)	8.97	2.36	5,574.88
SMAQMD Threshold	14.6	15	10,000
Significant (Yes/No)?	NO	NO	NO

Asphalt Dryer Emissions (Table 2)

Pollutant	Asphaltic Concrete Manufactured (tons/yr)	x	Emission Factor (lb/ton)	Reference	=	Total Emissions (lbs/yr)	Total Emissions (tons/yr)	Total Emissions (lb/day)	Total Emissions (lbs/hr)
PM10	300,000		0.023	2		6900	3.45	19.44	9.2
PM	300,000		0.033	2		9900	4.95	27.89	13.2
PM2.5	300,000		0.010989	9		3296.7	1.64835	9.29	4.40
CO	300,000		0.0680	4		20,397.44	10.20	57.46	27.20
NOX	300,000		0.00922	4		2767.21	1.38	7.79	3.69
SOX	300,000		0.0034	3		1020	0.51	2.87	1.36
VOC	300,000		0.032	5		9600	4.8	27.04	12.8
Benzene	300,000		9.10E-05	1		2.73E+01	1.37E-02	0.08	3.64E-02
Ethyl Benzene	300,000		2.40E-04	6		7.20E+01	3.60E-02	0.20	9.60E-02
Formaldehyde	300,000		1.60E-03	1		4.80E+02	2.40E-01	1.35	6.40E-01
Isooctane	300,000		4.00E-05	6		1.20E+01	6.00E-03	0.03	1.60E-02
Hexane	300,000		9.20E-04	6		2.76E+02	1.38E-01	0.78	3.68E-01
Methyl Chloroform	300,000		4.80E-05	6		1.44E+01	7.20E-03	0.04	1.92E-02
Toluene	300,000		1.50E-04	6		4.50E+01	2.25E-02	0.13	6.00E-02
Xylenes	300,000		2.00E-04	6		6.00E+01	3.00E-02	0.17	8.00E-02
2-Methyl Naphthalene	300,000		7.40E-05	6		2.22E+01	1.11E-02	0.06	2.96E-02
Acenaphthene	300,000		1.40E-06	6		4.20E-01	2.10E-04	0.00	5.60E-04
Acenaphthylene	300,000		8.60E-06	6		2.58E+00	1.29E-03	0.01	3.44E-03
Anthracene	300,000		2.20E-07	6		6.60E-02	3.30E-05	0.00	8.80E-05
Benz[a] anthracene	300,000		2.10E-07	6		6.30E-02	3.15E-05	0.00	8.40E-05
Benzo[a]pyrene	300,000		9.80E-09	6		2.94E-03	1.47E-06	0.00	3.92E-06
Bbenzo[b]fluoranthene	300,000		1.00E-07	6		3.00E-02	1.50E-05	0.00	4.00E-05
Benzo[e]pyrene	300,000		1.10E-10	6		3.30E-05	1.65E-08	0.00	4.40E-08
Benzo[g,h,i]perylene	300,000		4.00E-08	6		1.20E-02	6.00E-06	0.00	1.60E-05
Benzo[k]fluoranthene	300,000		4.10E-08	6		1.23E-02	6.15E-06	0.00	1.64E-05
Chrysene	300,000		1.80E-07	6		5.40E-02	2.70E-05	0.00	7.20E-05
Fluoranthene	300,000		6.10E-07	6		1.83E-01	9.15E-05	0.00	2.44E-04
Fluorene	300,000		3.80E-06	6		1.14E+00	5.70E-04	0.00	1.52E-03
Indeo[1,2,3-cd]pyrene	300,000		7.00E-09	6		2.10E-03	1.05E-06	0.00	2.80E-06
Naphthalene	300,000		9.00E-05	6		2.70E+01	1.35E-02	0.08	3.60E-02
Perylene	300,000		8.80E-09	6		2.64E-03	1.32E-06	0.00	3.52E-06
Phenanthrene	300,000		7.60E-06	6		2.28E+00	1.14E-03	0.01	3.04E-03
Pyrene	300,000		5.40E-07	6		1.62E-01	8.10E-05	4.56E-04	2.16E-04
Antimony	300,000		1.80E-07	7		5.40E-02	2.70E-05	1.52E-04	7.20E-05
Arsenic	300,000		5.60E-07	7		1.68E-01	8.40E-05	0.00	2.24E-04
Barium	300,000		5.80E-06	7		1.74E+00	8.70E-04	0.0049014	2.32E-03
Beryllium	300,000		0.00E+00	7		0.00E+00	0.00E+00	0.00	0.00E+00
Cadmium	300,000		4.10E-07	7		1.23E-01	6.15E-05	0.00	1.64E-04
Chromium	300,000		5.50E-06	7		1.65E+00	8.25E-04	0.0046479	2.20E-03
Cobalt	300,000		2.60E-08	7		7.80E-03	3.90E-06	2.197E-05	1.04E-05
Copper	300,000		3.10E-06	7		9.30E-01	4.65E-04	0.00	1.24E-03
Hexavalent Chromium	300,000		2.30E-08	1		6.90E-03	3.45E-06	0.00	9.20E-06
Lead	300,000		6.20E-07	7		1.86E-01	9.30E-05	0.00	2.48E-04
Manganese	300,000		7.70E-06	7		2.31E+00	1.16E-03	0.01	3.08E-03
Mercury	300,000		2.40E-07	7		7.20E-02	3.60E-05	0.00	9.60E-05
Nickel	300,000		2.10E-06	1		6.30E-01	3.15E-04	0.00	8.40E-04
Phosphorus	300,000		2.80E-05	7		8.40E+00	4.20E-03	0.023662	1.12E-02
Silver	300,000		4.80E-07	7		1.44E-01	7.20E-05	0.0004056	1.92E-04
Selenium	300,000		3.50E-07	7		1.05E-01	5.25E-05	0.00	1.40E-04
Thallium	300,000		4.10E-09	7		1.23E-03	6.15E-07	3.465E-06	1.64E-06
Zinc	300,000		6.10E-05	7		1.83E+01	9.15E-03	0.0515493	2.44E-02

1. Based on source test August 21, 2018 from Fresno Facility.
2. Based on AP42 Table 11.13
3. Based on AP42 Table 11.1-7
4. Based on meeting 33 ppm NOx and 400 ppm CO at 3% O2.
5. Based on AP42 Table 11.1-8
6. Based on AP42 Table 11.1-10
7. Based on Table 11.1-12
8. Based on 355 days of operation
9. PM2.5 Fraction of 0.333 used from CARB Speciations Profile 342

Particulate Emissions Dryer Aggregate/RAP Handling (Table 2A)

	TPH	TPY
Rock, Sand, RAP	380	285,000
Liquid Asphalt	24	18,000
Production	400	300,000

Emission Point	Description	Thruput (tons/yr)	Controlled PM10			
			x Emissions Factor ¹ (lb/ton)	= PM10 Emissions (lb/yr)	PM10 Emissions (lb/day) ³	
<i>Cold Feed</i>						
	Loader to Aggregate Receiving Hoppers	285,000	4.60E-05	13.11	0.037	
	Belt Feeders to Collecting Conveyor	285,000	4.60E-05	13.11	0.037	
	Collecting Conveyor to Screen	285,000	4.60E-05	13.11	0.037	
	Screen	285,000	0.00074	210.9	0.594	
	Screen to Belt Conveyor	285,000	4.60E-05	13.11	0.037	
	Belt Conveyor to Dryer	285,000	4.60E-05	13.11	0.037	
<i>RAP System</i> ²						
	Loader to RAP Hoppers	-	-	-	-	
	Belt Feeder to Collecting Conveyor	-	-	-	-	
	Collecting Conveyor to Screen	-	-	-	-	
	Screen	-	-	-	-	
	Screen to Belt Conveyor	-	-	-	-	
	Belt Conveyor to Dryer	-	-	-	-	
				Total PM10	276.45	0.78

Emission Point	Description	Thruput (tons/yr)	Controlled PM2.5			
			x Emissions Factor ¹ (lb/ton)	= PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/day) ³	
<i>Cold Feed</i>						
	Loader to Aggregate Receiving Hoppers	285,000	1.30E-05	3.71	0.010	
	Belt Feeders to Collecting Conveyor	285,000	1.30E-05	3.71	0.010	
	Collecting Conveyor to Screen	285,000	1.30E-05	3.71	0.010	
	Screen	285,000	0.00005	14.25	0.040	
	Screen to Belt Conveyor	285,000	1.30E-05	3.71	0.010	
	Belt Conveyor to Dryer	285,000	1.30E-05	3.71	0.010	
<i>RAP System</i> ²						
	Loader to RAP Hoppers	-	-	-	-	
	Belt Feeder to Collecting Conveyor	-	-	-	-	
	Collecting Conveyor to Screen	-	-	-	-	
	Screen	-	-	-	-	
	Screen to Belt Conveyor	-	-	-	-	
	Belt Conveyor to Dryer	-	-	-	-	
				Total PM2.5	32.78	0.092

1. Emission factors based on AP42 Table 11.19.2-2

2. As RAP is added like amount of virgin aggregates is reduced through the plant. Therefore all production has been considered through the cold feed.

3. Based on 355 days of operation per year.

Asphalt Dryer Greenhouse Gas Emissions (Table 2B)

The following section details the emissions from the Greenhouse Gas Emissions from the combustion of natural gas from the dryer and hot oil heater based on fuel consumption for the burners. The emission factors are based on default factors from Title 40 CFR Part 98 for natural gas.

Dryer Greenhouse Gas Emissions

	mmBTU/year	×	Natural Gas kg CO ₂ / mmBTU	×	Global Warming Potential	×	tons/kg	=	CO ₂ e (tons/year)	=	CO ₂ e (MT/year)
CO ₂	69,000		53.02		1		0.001		3,658.38		3,318.83
CH ₄	69,000		0.001		25		0.001		1.73		1.56
N ₂ O	69,000		0.0001		298		0.001		2.06		1.87

Hot Oil Heater Greenhouse Gas Emissions

	mmBTU/year	×	Natural Gas kg CO ₂ / mmBTU	×	Global Warming Potential	×	tons/kg	=	CO ₂ e (tons/year)	=	CO ₂ e (MT/year)
CO ₂	12,264		53.02		1		0.001		650.24		589.89
CH ₄	12,264		0.001		21		0.001		0.26		0.23
N ₂ O	12,264		0.0001		310		0.001		0.38		0.34

Total CO₂e (MT/year) = 3,912.7218

Silo Filling Emissions (Table 3)

CAS	Pollutant	AP-42 Emission Factor (%)	x	90% eff Blue Smoke Control	x	Organic PM/VOC Emission Factor (lbs/ton)	x	Asphaltic Concrete Manufactured (ton/yr)	=	Toxic Emissions (lbs/yr)	400 Toxic Emissions (lbs/hr)
83329	Acenaphtene	0.47000%		0.1		2.54E-04		300,000		0.035814	4.78E-05
208968	Acenaphthylene	0.01400%		0.1		2.54E-04		300,000		0.001067	1.42E-06
120127	Anthracene	0.13000%		0.1		2.54E-04		300,000		0.009906	1.32E-05
56553	Benzo(a) anthracene	0.05600%		0.1		2.54E-04		300,000		0.004267	5.69E-06
205992	Benzo(b) fluoranthene	0.00000%		0.1		2.54E-04		300,000		0.000000	0.00E+00
207089	Benzo(k) fluoranthene	0.00000%		0.1		2.54E-04		300,000		0.000000	0.00E+00
191242	Benzo(g,h,i) perylene	0.00000%		0.1		2.54E-04		300,000		0.000000	0.00E+00
50328	Benzo(a) pyrene	0.00000%		0.1		2.54E-04		300,000		0.000000	0.00E+00
192972	Benzo(e) pyrene	0.00950%		0.1		2.54E-04		300,000		0.000724	9.65E-07
218019	Chrysene	0.21000%		0.1		2.54E-04		300,000		0.016002	2.13E-05
53703	Dibenz(a,h) anthracene	0.00000%		0.1		2.54E-04		300,000		0.000000	0.00E+00
206440	Fluoranthene	0.15000%		0.1		2.54E-04		300,000		0.011430	1.52E-05
86737	Fluorene	1.01000%		0.1		2.54E-04		300,000		0.076962	1.03E-04
193395	Indeno(1,2,3-cd)pyrene	0.00000%		0.1		2.54E-04		300,000		0.000000	0.00E+00
91576	2-Methylnaphthalene	5.27000%		0.1		2.54E-04		300,000		0.401574	5.35E-04
91203	Naphthalene	1.82000%		0.1		2.54E-04		300,000		0.138684	1.85E-04
198550	Perylene	0.03000%		0.1		2.54E-04		300,000		0.002286	3.05E-06
85018	Phenanthrene	1.80000%		0.1		2.54E-04		300,000		0.137160	1.83E-04
129000	Pyrene	0.44000%		0.1		2.54E-04		300,000		0.033528	4.47E-05
71432	Benzene	0.03200%		1		1.22E-02		300,000		1.169856	1.56E-03
100414	Ethylbenzene	0.03800%		1		1.22E-02		300,000		1.389204	1.85E-03
50000	Formaldehyde	0.69000%		1		1.22E-02		300,000		25.225020	3.36E-02
100543	n-hexane	0.10000%		1		1.22E-02		300,000		3.655800	4.87E-03
100425	Styrene	0.00540%		1		1.22E-02		300,000		0.197413	2.63E-04
11883	Toluene	0.06200%		1		1.22E-02		300,000		2.266596	3.02E-03
71556	Trichlorofluoromethane	0.00000%		1		1.22E-02		300,000		0.000000	0.00E+00
1330207	m-,p-Xylene	0.20000%		1		1.22E-02		300,000		7.311600	9.75E-03
95476	o-Xylene	0.05700%		1		1.22E-02		300,000		2.083806	2.78E-03
75092	Methylene Chloride	0.00027%		1		1.22E-02		300,000		0.009871	1.32E-05
110543	Hexane	0.10000%		1		1.22E-02		300,000		3.655800	4.87E-03
100425	Styrene	0.00540%		1		1.22E-02		300,000		0.197413	2.63E-04
108883	Toluene	0.06200%		1		1.22E-02		300,000		2.266596	3.02E-03
75694	Trichlorofluoromethane	0.00000%		1		1.22E-02		300,000		0.000000	0.00E+00
1330207	Xylenes	0.20000%		1		1.22E-02		300,000		7.311600	9.75E-03
95476	o-Xylene	0.05700%		1		1.22E-02		300,000		2.083806	2.78E-03

Emission factors based on AP-42 Table 11.1-16 and Table 11.1-15

Silo Loadout Emissions (Table 4)

CAS	Pollutant	AP-42 Emission Factor (%)	x	90% eff BSC	x	Organic PM/VOC Emission Factor (lbs/mton)	x	Asphaltic Concrete Manufactured (ton/yr)	=	Toxic Emissions (lbs/yr)	400 Toxic Emissions (lb/hr)
83329	Acenaphtene	0.26000%		0.1		3.41E-04		300,000		0.026598	3.55E-05
208968	Acenaphthylene	0.02800%		0.1		3.41E-04		300,000		0.002864	3.82E-06
120127	Anthracene	0.07000%		0.1		3.41E-04		300,000		0.007161	9.55E-06
56553	Benzo(a) anthracene	0.01900%		0.1		3.41E-04		300,000		0.001944	2.59E-06
205992	Benzo(b) fluoranthene	0.00760%		0.1		3.41E-04		300,000		0.000777	1.04E-06
207089	Benzo(k) fluoranthene	0.00220%		0.1		3.41E-04		300,000		0.000225	3.00E-07
191242	Benzo(g,h,i) perylene	0.00190%		0.1		3.41E-04		300,000		0.000194	2.59E-07
50328	Benzo(a) pyrene	0.00230%		0.1		3.41E-04		300,000		0.000235	3.14E-07
192972	Benzo(e) pyrene	0.00780%		0.1		3.41E-04		300,000		0.000798	1.06E-06
218019	Chrysene	0.10300%		0.1		3.41E-04		300,000		0.010537	1.40E-05
53703	Dibenz(a,h) anthracene	0.00037%		0.1		3.41E-04		300,000		0.000038	5.05E-08
206440	Fluoranthene	0.05000%		0.1		3.41E-04		300,000		0.005115	6.82E-06
86737	Fluorene	0.77000%		0.1		3.41E-04		300,000		0.078771	1.05E-04
193395	Indeno(1,2,3-cd)pyrene	0.00047%		0.1		3.41E-04		300,000		0.000048	6.41E-08
91576	2-Methylnaphthalene	2.38000%		0.1		3.41E-04		300,000		0.243474	3.25E-04
91203	Naphthalene	1.25000%		0.1		3.41E-04		300,000		0.127875	1.71E-04
198550	Perylene	0.02200%		0.1		3.41E-04		300,000		0.002251	3.00E-06
85018	Phenanthrene	0.81000%		0.1		3.41E-04		300,000		0.082863	1.10E-04
129000	Pyrene	0.15000%		0.1		3.41E-04		300,000		0.015345	2.05E-05
71432	Benzene	0.05200%		1		4.16E-03		300,000		0.648795	8.65E-04
100414	Ethylbenzene	0.28000%		1		4.16E-03		300,000		3.493510	4.66E-03
50000	Formaldehyde	0.08800%		1		4.16E-03		300,000		1.097960	1.46E-03
110543	n-hexan	0.15000%		1		4.16E-03		300,000		1.871523	2.50E-03
100425	Styrene	0.00730%		1		4.16E-03		300,000		0.091081	1.21E-04
108883	Toluene	0.21000%		1		4.16E-03		300,000		2.620132	3.49E-03
75694	Trichlorofluoromethane	0.00130%		1		4.16E-03		300,000		0.016220	2.16E-05
1330207	m-,p-Xylene	0.41000%		1		4.16E-03		300,000		5.115496	6.82E-03
95476	o-Xylene	0.08000%		1		4.16E-03		300,000		0.998146	1.33E-03

Emission factors based on AP-42 Table 11.1-16 and Table 11.1-15

Total Silo Filling and Loadout Emissions (Table 5)

	Yearly			Hourly		
	Filling Toxic Emissions (lbs/yr)	Loadout Toxic Emissions (lbs/yr)	Total from filling and loadout Toxic Emissions (lbs/yr)	Filling Toxic Emissions (lbs/hr)	Loadout Toxic Emissions (lbs/hr)	Total from filling and loadout Toxic Emissions (lbs/hr)
83329 Acenaphtene	0.035814	0.026598	6.24E-02	4.78E-05	4.43E-05	9.207E-05
208968 Acenaphthylene	0.001067	0.002864	3.93E-03	1.42E-06	4.77E-06	6.196E-06
120127 Anthracene	0.009906	0.007161	1.71E-02	1.32E-05	1.19E-05	2.514E-05
56553 Benzo(a) anthracene	0.004267	0.001944	6.21E-03	5.69E-06	3.24E-06	8.929E-06
205992 Benzo(b) fluoranthene	0.000000	0.000777	7.77E-04	0.00E+00	1.30E-06	1.296E-06
207089 Benzo(k) fluoranthene	0.000000	0.000225	2.25E-04	0.00E+00	3.75E-07	3.750E-07
191242 Benzo(g,h,i) perylene	0.000000	0.000194	1.94E-04	0.00E+00	3.24E-07	3.239E-07
50328 Benzo(a) pyrene	0.000000	0.000235	2.35E-04	0.00E+00	3.92E-07	3.921E-07
192972 Benzo(e) pyrene	0.000724	0.000798	1.52E-03	9.65E-07	1.33E-06	2.295E-06
218019 Chrysene	0.016002	0.010537	2.65E-02	2.13E-05	1.76E-05	3.889E-05
53703 Dibenz(a,h) anthracene	0.000000	0.000038	3.79E-05	0.00E+00	6.31E-08	6.307E-08
206440 Fluoranthene	0.011430	0.005115	1.65E-02	1.52E-05	8.52E-06	2.376E-05
86737 Fluorene	0.076962	0.078771	1.56E-01	1.03E-04	1.31E-04	2.339E-04
193395 Indeno(1,2,3-cd)pyrene	0.000000	0.000048	4.81E-05	0.00E+00	8.01E-08	8.012E-08
91576 2-Methylnaphthalene	0.401574	0.243474	6.45E-01	5.35E-04	4.06E-04	9.411E-04
91203 Naphthalene	0.138684	0.127875	2.67E-01	1.85E-04	2.13E-04	3.980E-04
198550 Perylene	0.002286	0.002251	4.54E-03	3.05E-06	3.75E-06	6.798E-06
85018 Phenanthrene	0.137160	0.082863	2.20E-01	1.83E-04	1.38E-04	3.210E-04
129000 Pyrene	0.033528	0.015345	4.89E-02	4.47E-05	2.56E-05	7.027E-05
71432 Benzene*	1.169856	0.648795	1.82E+00	1.56E-03	1.08E-03	2.641E-03
100414 Ethylbenzene	1.389204	3.493510	4.88E+00	1.85E-03	5.82E-03	7.675E-03
50000 Formaldehyde*	25.225020	1.097960	2.63E+01	3.36E-02	1.83E-03	3.546E-02
110543 n-hexane	3.655800	1.871523	5.53E+00	4.87E-03	3.12E-03	7.994E-03
100425 Styrene	0.197413	0.091081	2.88E-01	2.63E-04	1.52E-04	4.150E-04
108883 Toluene	2.266596	2.620132	4.89E+00	3.02E-03	4.37E-03	7.389E-03
75694 Trichlorofluoromethane**	0.000000	0.016220	1.62E-02	0.00E+00	2.70E-05	2.703E-05
1330207 m-,p-Xylene	7.311600	5.115496	1.24E+01	9.75E-03	8.53E-03	1.827E-02
95476 o-Xylene	2.083806	0.998146	3.08E+00	2.78E-03	1.66E-03	4.442E-03

VOC Emissions from Asphalt Storage Tanks (Table 6)

Emissions from the two 30,000 gallon asphalt storage tanks were calculated using the procedures described in EPA AP42, Section 7.1 Organic Liquid Storage Tanks and by utilizing EPA Tanks 4.0.9d. EPA Tanks software was used to determine the annual VOC emissions from working lossess and breathing lossess. The asphalt tanks are equipped with a vent condenser which has a control efficiency of 96% on blue smoke emissions based on EPA AP42, Section 7.1, Organic Liquid Storage Tanks, Fixed Roof. This control efficiency was added to the storage tank emissions. The following parameters were used in the program (Tanks output enclosed).

VOC Emissions

HMA Production (tons/yr)	x	%asphalt Oil	*	conversion (lbs/ton)	/	conversion (lbs/gal)	=	Asphalt Oil Production (gals/yr)	Asphalt Oil Production (tons/yr)
300,000.00		0.06		2000		8.495		4,237,786.93	18,000

Horizontal Tanks

Condensers?	Yes								
Quantity of tanks onsite	5								
TANKS Parameters									
Shell length (ft)	48								
Diameter (ft)	10.33								
Volume (gal)	30,000	each tank						Total VOC+PM Emissions per tank	
Is tank heated?	Yes								
AST/UST	AST								
				TANKS Results	=			549.04	lbs/yr
				Total for Site	=			2745.2	lbs/yr

Asphalt Oil Production (gals/yr)	÷	Quantity of tanks onsite	=	Throughput Asphalt Oil gals/tank
4,237,786.93		5		847,557.39

Total VOC	x	Quantity of tanks onsite	x	Control Efficiency ²	=	Total Emissions lbs/yr	Total Emissions tons/yr	Total Emissions lb/day
549.04		5		0.04		109.808	0.054904	0.30

1. Tank will be equipped with a vent condensor for 96% Control

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Identification and Physical Characteristics

Identification

User Identification:	Vulcan Elk Gove March232021
City:	elk grove
State:	California
Company:	vulcan
Type of Tank:	Horizontal Tank
Description:	30,000 Gallon Asphalt Oil Tank

Tank Dimensions

Shell Length (ft):	48.00
Diameter (ft):	10.33
Volume (gallons):	30,000.00
Turnovers:	28.25
Net Throughput(gal/yr):	847,557.39
Is Tank Heated (y/n):	Y
Is Tank Underground (y/n):	N

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meteorological Data used in Emissions Calculations: Sacramento, California (Avg Atmospheric Pressure = 14.72 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

Vulcan Elk Gove March232021 - Horizontal Tank
elk grove, California

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F)			Liquid Bulk Temp (deg F)	Vapor Pressure (psia)			Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.		Avg.	Min.	Max.					
Asphalt Oil	All	350.00	300.00	400.00	400.00	0.1805	0.0532	0.5309	84.0000			1,000.00	Option 2: A=9.03, B=3626.97, C=273.33

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

Vulcan Elk Gove March232021 - Horizontal Tank
elk grove, California

Annual Emission Calculations	
Standing Losses (lb):	243.1346
Vapor Space Volume (cu ft):	2,562.3126
Vapor Density (lb/cu ft):	0.0017
Vapor Space Expansion Factor:	0.1564
Vented Vapor Saturation Factor:	0.9529
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	2,562.3126
Tank Diameter (ft):	10.3300
Effective Diameter (ft):	25.1325
Vapor Space Outage (ft):	5.1650
Tank Shell Length (ft):	48.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0017
Vapor Molecular Weight (lb/lb-mole):	84.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.1805
Daily Avg. Liquid Surface Temp. (deg. R):	809.6700
Daily Average Ambient Temp. (deg. F):	60.7917
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	859.6700
Tank Paint Solar Absorptance (Shell):	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	1,562.1317
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.1564
Daily Vapor Temperature Range (deg. R):	100.0000
Daily Vapor Pressure Range (psia):	0.4777
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.1805
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0532
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.5309
Daily Avg. Liquid Surface Temp. (deg R):	809.6700
Daily Min. Liquid Surface Temp. (deg R):	759.6700
Daily Max. Liquid Surface Temp. (deg R):	859.6700
Daily Ambient Temp. Range (deg. R):	25.4500
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9529
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.1805
Vapor Space Outage (ft):	5.1650
Working Losses (lb):	
Working Losses (lb):	305.9086
Vapor Molecular Weight (lb/lb-mole):	84.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.1805
Annual Net Throughput (gal/yr.):	847,557.3900
Annual Turnovers:	28.2519
Turnover Factor:	1.0000

Tank Diameter (ft):	10.3300
Working Loss Product Factor:	1.0000
Total Losses (lb):	549.0432

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

Vulcan Elk Gove March232021 - Horizontal Tank
elk grove, California

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Oil	305.91	243.13	549.04

Toxic Emissions from Asphalt Storage Tanks (Table 7)

AP42 Table 11.1-15 AP42 Table 11.1-16

Chemical	CAS #	Percent Present Compound/Organic PM	Percent Present Compound/VOC	X	Total Uncontrolled VOC+PM all Tanks (lb/yr)	x	Fraction VOC/PM *	x	PM control =	Total PM Controlled Emissions lb/yr	Total VOC Emissions lb/yr	÷	8760	Total PM Controlled Emissions lb/hr	Total VOC Emissions lb/hr
2-Methyl naphthalene [PAH, POM]	91576	5.27			2745.20		0.22		0.1	3.18E+00				3.63E-04	
Acenaphthene [PAH,POM]	83329	0.47			2745.20		0.22		0.1	2.84E-01				3.24E-05	
Acenaphthylene [PAH,POM]	208968	0.014			2745.2		0.22		0.1	8.46E-03				9.65E-07	
Anthracene [PAH,POM]	120127	0.13			2745.2		0.22		0.1	7.85E-02				8.96E-06	
Benzene	71432		0.032		2745.2		0.78				6.85E-01				7.82E-05
Benz(a) anthracene [PAH,POM]	56553	0.056			2745.2		0.22		0.1	3.38E-02				3.86E-06	
Benzo(e)pyrene [PAH, POM]	192972	0.0095			2745.2		0.22		0.1	5.74E-03				6.55E-07	
Chrysene [PAH, POM]	218019	0.21			2745.2		0.22		0.1	1.27E-01				1.45E-05	
Ethyl benzene	100414		0.038		2745.2		0.78				8.14E-01				9.29E-05
Formaldehyde	50000		0.69		2745.2		0.78				1.48E+01				1.69E-03
Methylene chloride	75092		0.00027		2745.2		0.78				5.78E-03				6.60E-07
o-Xylene	95476	0.057			2745.2		0.22		0.1	3.44E-02				3.93E-06	
Perylene [PAH, POM]	198550	0.03			2745.2		0.22		0.1	1.81E-02				2.07E-06	
Phenanthrene [PAH, POM]	85018	1.8			2745.2		0.22		0.1	1.09E+00				1.24E-04	
Pyrene [PAH, POM]	129000	0.44			2745.2		0.22		0.1	2.66E-01				3.03E-05	
Styrene	100425		0.0054		2745.2		0.78				1.16E-01				1.32E-05
Tetrachloroethene	127184				2745.2		0.22		0.1	0.00E+00					
Toluene	108883		0.062		2745.2		0.78				1.33E+00				1.52E-04
Fluoranthene	206440	0.15			2745.2		0.22		0.1	9.06E-02				1.03E-05	
Fluorene	86737	1.01			2745.2		0.22		0.1	6.10E-01				6.96E-05	
Naphthalene [PAH, POM]	91203	1.82			2745.2		0.22		0.1	1.10E+00				1.25E-04	

* Reference: Environmental Progress, Winter 1999 "Estimates of Air Emissions from Asphalt Storage Tanks and Truck Loading" , Owens Corning

Criteria Emissions from Asphalt Hot Oil Heater (Table 8)

Pollutant	Hot Mix Heat Requirement (mmBTU/hour)	÷	Natural Gas Heating Value (mmBTU/mmcf)	X	Emission Factor ^{1,2} (lbs/mmcf)	=	Emission Factor (lbs/hr)
VOC	1.4		1050		7		0.0093
NO _x	1.4		1050		130		0.1733
PM,PM ₁₀ ,PM _{2.5}	1.4		1050		7.5		0.0100
CO	1.4		1050		35		0.0467
SO _x	1.4		1050		0.6		0.0008
CO ₂	1.4		1050		120,000		160.0000

Pollutant	Operating Schedule (hours/day)	X	Emission Factor (lbs/hour)	=	Maximum Emissions (lbs/day)
VOC	24		0.0093		0.22
NO _x	24		0.1733		4.16
PM,PM ₁₀ ,PM _{2.5}	24		0.0100		0.24
CO	24		0.0467		1.12
SO _x	24		0.0008		0.02
CO ₂	24		160.0000		3840.00

Pollutant	Operating Schedule (hours/year)	X	Emission Factor (lbs/hour)	=	Maximum Emissions (lbs/year)	=	Maximum Emissions (tons/year)
VOC	8,760		0.0093		116.80		0.06
NO _x	8,760		0.1733		2169.14		1.08
PM,PM ₁₀ ,PM _{2.5}	8,760		0.0100		125.14		0.06
CO	8,760		0.0467		584.00		0.29
SO _x	8,760		0.0008		7.01		0.00
CO ₂	8760		160.0000		1401600		635.75

1. Based on SCAQMD Default Factors and Table 1.4-2 for CO₂.

2 PM_{2.5} fraction of PM = 1 based on CARB Speciation Profile 1102

Toxic Emissions from Asphalt Hot Oil Heater (Table 8A)

Fuel Consumption= (1.4 mmbtu/hr)/(1050 mmbtu/mmcf) = 0.001333333 mmcf/hr

Pollutant	(mmcf/hr)	x	Emission Factor ² (lb/mmcf)	=	Hourly Emissions (lbs/hr)
Beneze	0.001333333		0.008		1.07E-05
Formaldehyde	0.001333333		0.17		2.27E-04
PAH	0.001333333		0.0004		5.33E-07
Napthalene	0.001333333		0.0003		4.00E-07
Acetaldehyde	0.001333333		0.0043		5.73E-06
Acrolein	0.001333333		0.0027		3.60E-06
Propylene	0.001333333		0.731		9.75E-04
Toluene	0.001333333		0.0366		4.88E-05
Xylenes	0.001333333		0.0272		3.63E-05
Ethyl Benzene	0.001333333		0.0095		1.27E-05
Hexane	0.001333333		0.0063		8.40E-06

Pollutant	Hourly Emissions (lbs/hr)	x	(hrs/yr)	=	Annual Emissions (lb/yr)
Beneze	1.07E-05		8760		9.34E-02
Formaldehyde	2.27E-04		8760		1.9856
PAH	5.33E-07		8760		0.004672
Napthalene	4.00E-07		8760		0.003504
Acetaldehyde	5.73E-06		8760		0.050224
Acrolein	3.60E-06		8760		0.031536
Propylene	9.75E-04		8760		8.53808
Toluene	4.88E-05		8760		0.427488
Xylenes	3.63E-05		8760		0.317696
Ethyl Benzene	1.27E-05		8760		0.11096
Hexane	8.40E-06		8760		0.073584

2. Based on Ventura County Natural Gas Combustion Factors for External Combustion Equipment

Hot Mix Asphalt Plant Daily Summary (Table 8B)

Activity	ROG	Total (lb/day)		
		NO _x	PM ₁₀	PM _{2.5}
Asphalt Plant Dryer	27.04	7.79	19.44	9.29
Asphalt Plant Agg/RAP Handeling			0.78	0.092324
Silo Loading/Filling	3.51		0.94	
Asphalt Tanks	0.30		--	
Hot Oil Heater	0.22	4.16	0.24	0.24
Asphalt Plant Total (lb/day)	31.08	11.95	21.39	9.62

Hot Mix Asphalt Plant Annual Summary (Table 8C)

Activity	Total (Tons/yr)		
	PM ₁₀	PM _{2.5}	CO _{2e}
Asphalt Plant Dryer	3.45	1.65	3912.72
Asphalt Plant Agg/RAP Handeling	0.14	0.016388	
Silo Loading/Filling	0.17		
Asphalt Tanks	---		
Hot Oil Heater	0.06	0.06	635.75
Asphalt Plant Total (Tons/Yr)	3.82	1.73	4548.48

Particulate Emissions from Ready Mix Concrete Plant (Table 9)

Production Rates	Tons/Yr
Concrete	406,000
Sand and Aggregate	332,246
Cement	49,539
Fly Ash	7,365
Cement + Fly Ash	56,905

Maxmium Annual and Daily PM₁₀ Emissions

Description	Material	Throughput (tons/year)	x	Controlled Emission Factor (lbs/ton)	=	PM ₁₀ Emissions (lbs/year)	PM ₁₀ Emissions (lbs/day)
Loader to Hopper	Aggregate	332,246		4.60E-05	¹	15.28	0.043
Belts Conveyors to Aggregate Storage Bin/Weight Hopper	Aggregate	332,246		4.60E-05	¹	15.28	0.043
Aggregate Bin to Belt Conveyor	Aggregate	332,246		4.60E-05	¹	15.28	0.043
Belt Conveyor to Truck	Aggregate	332,246		4.60E-05	¹	15.28	0.043
Cement Silo Loading	Cement	49,539		0.0047	²	232.83	0.656
Fly Ash Silo Loading	Fly Ash	7,365		0.0110	²	81.02	0.228
Transit Truck Mix	Cement/Fly Ash	56,905		0.0031	²	176.40	0.497
Total PM ₁₀ Emissions					=	551.39	1.553

1) AP-42 Table 11.19.2-2

2) AP-42 Table 11.12-2 Uncontrolled with 99% for BH control or bin vent control

3) Based on 355 days of operation.

Toxic Emissions From Ready Mix Concrete Plant (Table 10)

Production Rates	Tons/Yr	Tons/Hr
Concrete	406,000	305
Cement	49,539	37
Fly Ash	7,365	6
Cement + Fly Ash	56,905	43

AP42 Toxic Emission Factors ¹

	Cement Silo Filling (lb/ton)	Fly Ash Filing (lb/ton)	Truck Mix Loading (lb/ton)
Arsenic	4.24E-09	1.00E-06	6.02E-07
Beryllium	4.86E-10	9.04E-08	1.04E-07
Cadmium	ND	1.98E-10	9.06E-09
Total Chromium	2.90E-08	1.22E-06	4.10E-06
Lead	1.09E-08	5.20E-07	1.53E-06
Manganese	1.17E-07	2.56E-07	2.08E-05
Nickel	4.18E-08	2.28E-06	4.78E-06
Total Phosphorus	ND	3.54E-06	1.23E-05
Selenium	ND	7.24E-08	1.13E-07

1. Emission factors based on AP42 Table 11.12-8

Annual Emissions

	Annual Emissions				CAS#
	Cement Silo Filling (lb/yr)	Fly Ash Filing (lb/yr)	Truck Mix Loading (lb/yr)	Total Emissions (lb/yr)	
Arsenic	2.10E-04	7.37E-03	3.43E-02	4.18E-02	7440382
Beryllium	2.41E-05	6.66E-04	5.92E-03	6.61E-03	7440417
Cadmium	ND	1.46E-06	5.16E-04	5.17E-04	7440439
Chromium	1.44E-03	8.99E-03	2.33E-01	2.44E-01	7440473
Lead	5.40E-04	3.83E-03	8.71E-02	9.14E-02	7439921
Manganese	5.80E-03	1.89E-03	1.18E+00	1.19E+00	7439965
Nickel	2.07E-03	1.68E-02	2.72E-01	2.91E-01	7440020
Phosphorus	ND	2.61E-02	7.00E-01	7.26E-01	7723140
Selenium	ND	5.33E-04	6.43E-03	6.96E-03	7782492

Hourly Emissions

	Hourly Emissions				CAS#
	Cement Silo Filling (lb/hr)	Fly Ash Filing (lb/hr)	Truck Mix Loading (lb/hr)	Total Emissions (lb/hr)	
Arsenic	1.58E-07	5.52E-06	2.57E-05	3.14E-05	7440382
Beryllium	1.81E-08	4.99E-07	4.44E-06	4.96E-06	7440417
Cadmium	ND	1.09E-09	3.87E-07	3.88E-07	7440439
Chromium	1.08E-06	6.74E-06	1.75E-04	1.83E-04	7440473
Lead	4.05E-07	2.87E-06	6.53E-05	6.86E-05	7439921
Manganese	4.35E-06	1.41E-06	8.88E-04	8.93E-04	7439965
Nickel	1.55E-06	1.26E-05	2.04E-04	2.18E-04	7440020
Phosphorus	ND	1.96E-05	5.25E-04	5.44E-04	7723140
Selenium	ND	4.00E-07	4.82E-06	5.22E-06	7782492

Exhaust emissions from Trucks Idling On-Site (Table 11)

The following section estimates the emissions from the trucks while idling on-site. The truck idling emission rate was obtained through the EPA idling Vehicle Emissions for Passenger Cars, light-duty Trucks, and Heavy-duty trucks. (EPA420-F-08-025) as well as CARB Emfac Project Analysis Model for Sacramento Air Basin project year 2023 for diesel particulate and greenhouse gas emissions.

Heavy Duty Diesel Truck Emission Rates

Pollutant	HDDV Emission		Time per vehicle		Conversion (lbs/g)	=	Emission Factor lb/vehicle
	Factor (g/hr- vehicle) ¹	x	(hr/hr) ²	x			
ROG	3.455		0.083		0.0022026		0.000634165
CO	25.628		0.083		0.0022026		0.004704019
NO _x	33.763		0.083		0.0022026		0.006197199
PM ₁₀	0.011684621		0.083		0.0022026		2.14471E-06
PM2.5	0.011112075		0.083		0.0022026		2.03962E-06
CO ₂	5928.519457		0.083		0.0022026		1.088179746
CH ₄	0.109818853		0.083		0.0022026		2.01573E-05

Gasoline Water Truck Emission Rates

Pollutant	HDGV Emission		Time per vehicle		Conversion (lbs/g)	=	Emission Factor lb/vehicle
	Factor (g/hr- vehicle) ¹	x	(hr/hr) ²	x			
ROG	6.495		0.083		0.0022026		0.001192157
CO	151.9		0.083		0.0022026		0.027881245
NO _x	5.33		0.083		0.0022026		0.000978322
PM ₁₀	NA		---		---		---
PM2.5	NA		---		---		---
CO ₂	NA		---		---		---
CH ₄	NA		---		---		---

1. Based on Table 1 of EPA Idling Vehicle Emissions for Passenger Cars, light-duty Trucks and heavy-duty trucks. (EPA 420-F-08-25) and EMFAC Project Analysis Model for Greenhouse gas emission factors and Diesel Particulate.
2. The idling time was limited to 5 minutes

Exhaust emissions from Trucks Idling On-Site- Continued (Table 11)

ANNUAL EMISSIONS

Process	Annual Truck Trips	ROG	CO	NO _x	PM ₁₀	(lb/yr)			
						PM _{2.5}	CO ₂	CH ₄	CO ₂ e ³
Raw Material Import	24,000	15.22	156.83	148.73	0.05	0.05	26116.31	0.48	26128.41
Ready Mix Concrete	33,339	21.14	37.63	206.61	0.07	0.07	36278.82	0.67	36295.63
Recycled Concrete (inbound)	8,000	5.07	26.34	49.58	0.02	0.02	8705.44	0.16	8709.47
Recycled Concrete (outbound)	5,600	3.55	62.88	34.70	0.01	0.01	6093.81	0.11	6096.63
Hot Mix Asphalt	13,367	8.48	43.48	82.84	0.03	0.03	14545.70	0.27	14552.43
Aggregate Sales	9244	5.86	43.48	57.29	0.02	0.02	10059.13	0.19	10063.79
Water Truck (Gas)	5680	6.77	158.37	5.56	---	---	---	---	---
	Total lb/yr	66.10	529.01	585.30	0.20	0.19			#####
	Total tons/yr ⁴	0.03	0.26	0.29	0.00	0.00			46.24

3. Greenhouse gas emissions is listed at Mtons/yr (Conversion 4.54E-4 lb/Mtons); GWP CO₂=1, CH₄=25, N₂O=298 based on AR4)

DAILY EMISSIONS⁴

Process	ROG	CO	NO _x	PM ₁₀	(lb/day)				
					PM _{2.5}	CO ₂	CH ₄	CO ₂ e	
Raw Material Import	0.04	0.44	0.42	0.00	0.00	73.56708144	0.0014	73.60115	
Ready Mix Concrete	0.06	0.11	0.58	0.00	0.00	102.193872	0.0019	102.2412	
Recycled Concrete (inbound)	0.01	0.07	0.14	0.00	0.00	24.52236048	0.0005	24.53372	
Recycled Concrete (outbound)	0.01	0.18	0.10	0.00	0.00	17.16565234	0.0003	17.1736	
Hot Mix Asphalt	0.02	0.12	0.23	0.00	0.00	40.97379907	0.0008	40.99277	
Aggregate Sales	0.02	0.12	0.16	0.00	0.00	28.33558754	0.0005	28.34871	
Water Truck ⁷	0.02	0.45	0.02	---	---	---	---	---	
	Total lb/day	0.19	1.49	1.65	0.00	0.00		286.8911	

4. Based on 355 working days, and 10 holidays per year

HOURLY EMISSIONS⁵

Process	ROG	CO	NO _x	PM ₁₀	(lb/hr)				
					PM _{2.5}	CO ₂	CH ₄	CO ₂ e	
Raw Material Import	5.36E-03	5.52E-02	5.24E-02	1.81E-05	1.72E-05	9.19588518	0.0002	9.200144	
Ready Mix Concrete	7.44E-03	1.33E-02	7.27E-02	2.52E-05	2.39E-05	12.774234	0.0002	12.78015	
Recycled Concrete (inbound)	1.79E-03	9.28E-03	1.75E-02	6.04E-06	5.75E-06	3.06529506	6E-05	3.066715	
Recycled Concrete (outbound)	1.25E-03	2.21E-02	1.22E-02	4.23E-06	4.02E-06	2.145706542	4E-05	2.1467	
Hot Mix Asphalt	2.98E-03	1.53E-02	2.92E-02	1.01E-05	9.60E-06	5.121724884	9E-05	5.124097	
Aggregate Sales	2.06E-03	1.53E-02	2.02E-02	6.98E-06	6.64E-06	3.541948442	7E-05	3.543589	
Water Truck	2.38E-03	5.58E-02	1.96E-03	---	---	---	---	---	
	Total lb/hr	2.33E-02	1.86E-01	2.06E-01	7.06E-05	6.72E-05			

5. Based on 8 hours/day

Exhaust Emissions From Off-Road Mobile Equipment (Table 12)

The following section details the emissions from the on-site mobile equipment.

Vehicle Type	Engine Horsepower	Tier Engine	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄
Loader- HMA	420	4F	0.14	2.2	0.3	0.005	0.015	0.09	467.9277	0.151
Loader-Recycle	307	4F	0.14	2.2	0.3	0.005	0.015	0.09	467.9277	0.151
Loader RMC	420	4F	0.14	2.2	0.3	0.005	0.015	0.09	467.9277	0.151
Skid Steer	76	4F	0.14	3.7	0.3	0.005	0.015	0.089	471.9774	0.153
Excavator	187	4F	0.14	2.2	0.3	0.005	0.015	0.091	472.3586	0.153
Sweeper	260	4F	0.14	2.2	0.3	0.005	0.015	0.051	470.1263	0.152
Manlift (Duel Fuel)	84	4F	0.14	3.7	0.3	0.005	0.015	0.245	471.5285	0.153
Forklift	111	4F	0.14	3.7	0.3	0.005	0.015	0.245	471.5285	0.153

1. Emission factors for ROG, CO, NO_x and PM10 are taken from CARB Tier Engine Standards. Emission factors for SO₂, PM_{2.5}, CO₂ and CH₄ taken from CALEEMOD Table 3.4 for year 2021.

Vehicle Type	Load Factor ²	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	CO ₂ e ³
Loader- HMA	0.36	0.047	0.733	0.100	0.002	0.005	0.030	155.978	0.050	157.24
Loader-Recycle	0.36	0.034	0.536	0.073	0.001	0.004	0.022	114.013	0.037	114.93
Loader RMC	0.36	0.047	0.733	0.100	0.002	0.005	0.030	155.978	0.050	157.24
Skid Steer	0.37	0.009	0.229	0.019	0.000	0.001	0.006	29.260	0.009	29.50
Excavator	0.38	0.022	0.345	0.047	0.001	0.002	0.014	74.000	0.024	74.60
Sweeper	0.46	0.037	0.580	0.079	0.001	0.00396	0.013	123.959	0.040	124.96
Manlift (Duel Fuel)	0.2	0.005	0.137	0.011	0.000	0.001	0.009	17.464	0.006	17.61
Forklift	0.2	0.007	0.181	0.015	0.000	0.001	0.012	23.078	0.007	23.27

2. Equipment Load rate taken from CalEEMod(October 2017) Table 3.3 OFFROAD default horsepower and Load Factor

3. GWP of 1 for CO₂ and 25 for CH₄.

Vehicle Type	HRS/DAY	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	CO ₂ e
Loader- HMA	8	0.373	5.867	0.800	0.013	0.040	0.240	1247.827	0.403	1257.89
Loader-Recycle	8	0.273	4.288	0.585	0.010	0.029	0.175	912.102	0.294	919.46
Loader RMC	8	0.373	5.867	0.800	0.013	0.040	0.240	1247.827	0.403	1257.89
Skid Steer	8	0.069	1.835	0.149	0.002	0.007	0.044	234.078	0.076	235.97
Excavator	8	0.175	2.757	0.376	0.006	0.019	0.114	591.999	0.192	596.79
Sweeper	8	0.295	4.641	0.633	0.011	0.032	0.108	991.675	0.321	999.69
Manlift (Duel Fuel)	4	0.021	0.548	0.044	0.001	0.002	0.036	69.857	0.023	70.42
Forklift	4	0.027	0.724	0.059	0.001	0.003	0.048	92.311	0.030	93.06
Total lb/day		1.608	26.527	3.446	0.057	0.172	1.005	5387.675	1.741	5431.19

Vehicle Type	HRS/YR	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	CO ₂ e
Loader- HMA	600	28.000	440.007	60.001	1.000	3.000	18.000	93587.003	30.200	94,342.01
Loader-Recycle	600	20.467	321.624	43.858	0.731	2.193	13.157	68407.643	22.075	68,959.52
Loader RMC	1333	62.208	977.549	133.302	2.222	6.665	39.991	207919.125	67.095	209,596.51
Skid Steer	2400	20.830	550.506	44.636	0.744	2.232	13.242	70223.344	22.764	70,792.45
Excavator	600	13.159	206.792	28.199	0.470	1.410	8.554	44399.903	14.381	44,759.44
Sweeper	2400	88.594	1392.191	189.844	3.164	9.492	32.274	297502.563	96.188	299,907.26
Manlift (Duel Fuel)	500	2.593	68.520	5.556	0.093	0.278	4.537	8732.146	2.833	8,802.98
Forklift	500	3.426	90.544	7.341	0.122	0.367	5.995	11538.907	3.744	11,632.51
Total lb/yr		239.277	4047.732	512.737	8.546	25.637	135.750	802310.633	259.282	808,792.68
Total tons/yr ⁴		0.12	2.02	0.26	0.00	0.01	0.07	401.16	0.13	367.19

4. CO₂e is listed at Mtons/yr, conversion = 4.54E-4 lb/Mtons

Exhaust Emissions From Off-Site Haul Truck Travel (Table 13)

The following section details the exhaust emissions from the offsite truck while traveling to the main highway. The emission factors are taken from California Air Resources Board (CARB) EMFAC2017 for scenario year 2023 for heavy-heavy duty diesel single unit construction truck (T7). Greenhouse gas emission estimates are based on emission factors from EPA Greenhouse Emission Factor Hub, April 2014.

Vehicle Type	EMISION FACTORS ^{1,2}									
	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	
T7	9.72E-05	9.39E-04	7.79E-03	3.59E-05	3.97E-05	3.80E-05	3.80E+00	1.12E-05	1.06E-05	

- Based on T7 truck for Calendar year 2023 in Sacramento Metropolitan AQMD
- Greenhouse gas emission estimates are based on emission factors from EPA Greenhouse Emission Factor Hub, April 2014.

Greenhouse Gas Emission Factors		
	IPCC (g/mile)	EF (lbs/mile)
CH ₄	0.0051	1.12E-05
N ₂ O	0.0048	1.06E-05

Process	Annual Truck Trips	Distance per trip (miles)	ANNUAL EMISSIONS (lb/yr)										
			ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ e	
Raw Material Import	24,000	3	6.997	67.597	560.977	2.587	2.862	2.738	273843.912	0.809	0.761		
Ready Mix Concrete	33,339	3	9.720	93.900	779.267	3.594	3.975	3.803	380403.424	1.124	1.057		
Recycled Concrete (inbound)	8,000	3	2.332	22.532	186.992	0.862	0.954	0.913	91281.304	0.270	0.254		
Recycled Concrete (outbound)	5,600	3	1.633	15.773	130.895	0.604	0.668	0.639	63896.913	0.189	0.178		
Hot Mix Asphalt	13,367	3	3.897	37.649	312.441	1.441	1.594	1.525	152519.649	0.450	0.424		
Aggregate Sales	9244	3	2.695	26.036	216.070	0.996	1.102	1.055	105475.547	0.312	0.293		
			Total lb/yr	27.275	263.486	2186.642	10.084	11.154	10.672	#####	3.153	2.97	
			Total tons/yr ³	0.014	0.13	1.09	0.005	0.00558	0.0053	484.17	0.00	0.00	484.61

- Greenhouse gas emissions is listed at Mtons/yr (Conversion 4.54E-4 lb/Mtons); GWP CO₂=1, CH₄=25, N₂O=298 based on AR4)

Process	DAILY EMISSIONS ⁴ (lb/day)										
	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ e	
Raw Material Import	0.020	0.190	1.580	0.007	0.008	0.008	771.391	0.002	0.002		
Ready Mix Concrete	0.027	0.265	2.195	0.010	0.011	0.011	1071.559	0.003	0.003		
Recycled Concrete (inbound)	0.007	0.063	0.527	0.002	0.003	0.003	257.130	0.001	0.001		
Recycled Concrete (outbound)	0.005	0.044	0.369	0.002	0.002	0.002	179.991	0.001	0.001		
Hot Mix Asphalt	0.011	0.106	0.880	0.004	0.004	0.004	429.633	0.001	0.001		
Aggregate Sales	0.008	0.073	0.609	0.003	0.003	0.003	297.114	0.001	0.001		
			Total lb/day	0.077	0.742	6.160	0.028	0.031	0.030		1.37

- Based on 355 working days, and 10 holidays per year

Process	HOURLY EMISSIONS ⁵ (lb/HR)									
	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ e
Raw Material Import	0.002	0.024	0.198	0.001	0.001	0.001	96.424	0.000	0.000	
Ready Mix Concrete	0.003	0.033	0.274	0.001	0.001	0.001	133.945	0.000	0.000	
Raw Material Import	0.001	0.008	0.066	0.000	0.000	0.000	32.141	0.000	0.000	
Recycled Concrete (outbound)	0.001	0.006	0.046	0.000	0.000	0.000	22.499	0.000	0.000	
Hot Mix Asphalt	0.001	0.013	0.110	0.001	0.001	0.001	53.704	0.000	0.000	
Aggregate Sales	0.001	0.009	0.076	0.000	0.000	0.000	37.139	0.000	0.000	
			Total lb/HR	0.010	0.093	0.770	0.004	0.00393	0.004	

- Based on 8 hours/day

Exhaust Emissions From On-Site Haul Truck Travel (Table 14)

The following section details the exhaust emissions from the onsite truck while traveling on-site. This also includes any truck deliveries to the site. The emission factors are taken from California Air Resources Board (CARB) EMFAC2017 for scenario year 2023 for heavy-heavy duty diesel single unit construction truck (T7). Greenhouse gas emission estimates are based on emission factors from EPA Greenhouse Emission Factor Hub, April 2014.

Vehicle Type	EMISION FACTORS ^{1,2}									
	(lb/mile)									
	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	
T7	9.72E-05	9.39E-04	7.79E-03	3.59E-05	3.97E-05	3.80E-05	3.80E+00	1.12E-05	1.06E-05	
T715 (Water Truck)	1.42E-03	7.36E-02	1.13E-02	4.16E-05	3.90E-06	3.59E-06	4.20E+00	2.65E-04	3.66E-04	

1. Based on T7 truck for Calendar year 2023 in Sacramento Metropolitan AQMD
2. Greenhouse gas emission estimates are based on emission factors from EPA Greenhouse Emission Factor Hub, April 2014. T715 GHG based on EMFAC2017 Emission Rates.

Greenhouse Gas Emission Factors		
	IPCC (g/mile)	EF (lbs/mile)
CH ₄	0.0051	1.12E-05
N ₂ O	0.0048	1.06E-05

Process	Annual Truck Trips	Distance per trip (miles)	ANNUAL EMISSIONS (lb/yr)										
			ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ e	
Raw Material Import	24,000	0.8	1.866	18.026	149.594	0.690	0.763	0.730	73025.043	0.216	0.203		
Ready Mix Concrete	33,339	0.5	1.620	15.650	129.878	0.599	0.663	0.634	63400.571	0.187	0.176		
Recycled Concrete (inbound)	8,000	0.4	0.311	3.004	24.932	0.115	0.127	0.122	12170.841	0.036	0.034		
Recycled Concrete (outbound)	5,600	0.5	0.272	2.629	21.816	0.101	0.111	0.106	10649.485	0.031	0.030		
Hot Mix Asphalt	13,367	0.8	1.039	10.040	83.318	0.384	0.425	0.407	40671.906	0.120	0.113		
Aggregate Sales	9244	0.5	0.449	4.339	36.012	0.166	0.184	0.176	17579.258	0.052	0.049		
Water Truck ⁴	5680	1	8.065	418.046	64.443	0.236	0.022	0.020	23859.003	1.503	2.078		
			Total lb/yr	13.623	471.734	509.992	2.291	2.295	2.195	241356.107	2.145	2.68	
			Total tons/yr ³	0.01	0.24	0.25	0.00	0.00	0.00	109.48	0.00	0.00	109.86

3. Greenhouse gas emissions is listed at Mtons/yr (Conversion 4.54E-4 lb/Mtons); GWP CO₂=1, CH₄=25, N₂O=298 based on AR4)
4. Water truck trips based on 2 trips/hour, 8 hours/day, 355 working days

Process	DAILY EMISSIONS ⁵ (lb/day)										
	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ e	
Raw Material Import	0.005	0.051	0.421	0.002	0.002	0.002	205.704	0.001	0.001		
Ready Mix Concrete	0.005	0.044	0.366	0.002	0.00187	0.002	178.593	0.001	0.000		
Recycled Concrete (inbound)	0.001	0.008	0.070	0.000	0.000	0.000	34.284	0.000	0.000		
Recycled Concrete (outbound)	0.001	0.007	0.061	0.000	0.000	0.000	29.999	0.000	0.000		
Hot Mix Asphalt	0.003	0.028	0.235	0.001	0.001	0.001	114.569	0.000	0.000		
Aggregate Sales	0.001	0.012	0.101	0.000	0.001	0.000	49.519	0.000	0.000		
Water Truck	0.023	1.178	0.182	0.001	0.000	0.000	67.208	0.004	0.006		
			Total lb/day	0.038	0.151	1.255	0.006	0.006	0.006		0.31

5. Based on 355 working days, and 10 holidays per year

Process	HOURLY EMISSIONS ⁶ (lb/hr)										
	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ e	
Raw Material Import	0.001	0.006	0.053	0.000	0.000269	0.000	25.713	0.000	0.000		
Ready Mix Concrete	0.001	0.006	0.046	0.000	0.000	0.000	22.324	0.000	0.000		
Raw Material Import	0.000	0.001	0.009	0.000	0.000	0.000	4.286	0.000	0.000		
Recycled Concrete (outbound)	0.000	0.001	0.008	0.000	0.000	0.000	3.750	0.000	0.000		
Hot Mix Asphalt	0.000	0.004	0.029	0.000	0.000	0.000	14.321	0.000	0.000		
Aggregate Sales	0.000	0.002	0.013	0.000	0.000	0.000	6.190	0.000	0.000		
Water Truck	0.003	0.147	0.023	0.000	7.81E-06	0.000	8.401	0.001	0.001		
			Total lb/day	0.005	0.019	0.157	0.001	0.001	0.001		0.04

5. Based on 8 hours/day

Exhaust Emissions From Employee Worker Trips (Table 15)

The following section details the exhaust emissions from the trips of the plant employees and office employees while traveling to the facility. The emission factors are taken from the California Air Resources Board (CARB) EMFAC2017 for scenario year 2023 for light duty gasoline passenger cars.

EMISION FACTORS ¹ (lb/mile)								
ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N2O
1.94E-05	1.45E-03	8.12E-05	5.65E-06	3.15E-06	2.89E-06	5.71E-01	5.07E-06	9.55E-06

1. Based on EMFAC2017 for scenario year 2023 in Sacramento Metropolitan AQMD.

Annual Emissions (lb/yr)											
Annual Car Trips ²	Distance per trip (miles)	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N2O	CO ₂ e ³
3,550	20	1.38E+00	1.03E+02	5.7627092	0.401052372	0.2233083	0.205324235	40527.49	0.359962045	0.67805749	18.495302

2. Based on 10 car trips per day and 355 days/yr.

3.. Greenhouse gas emissions is listed at Mtons/yr (Conversion 4.54E-4 lb/Mtons); GWP CO2=1, CH4=25, N2O=298 based on AR4)

Daily Emissions (lb/day)											
Daily Car Trips	Distance per trip (miles)	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N2O	CO ₂ e
10	20	3.87E-03	2.90E-01	0.016233	0.001129725	0.000629	0.000578378	114.1619	0.001013978	0.00191002	114.756481

Particulate Emissions From Recycle Plant (Table 16)

Maxmium Annual and Daily PM₁₀ Emissions

Description	Throughput (tons/year)	x	Controlled Emission Factor (lbs/ton) ¹	=	PM ₁₀ Emissions (lbs/year)	PM ₁₀ Emissions (lbs/day) ²	
Loader to Hopper with grizzly Feeder	200,000		4.60E-05	¹	9.20	0.026	
Grizzly Feeader to Jaw Crusher (or Horizontal Shaft Impactor)	100,000		4.60E-05	¹	4.60	0.013	
Jaw Crusher or Horizontal Shaft Impactor (HSI)	100,000		5.40E-04	¹	54.00	0.152	
Feeder to Belt Conveyor	100,000		4.60E-05	¹	4.60	0.013	
Jaw Crusher (or HSI) to Belt Conveyor	100,000		4.60E-05	¹	4.60	0.013	
Belt Conveyor to Screen	200,000		4.60E-05	¹	9.20	0.026	
Screen	233,333		7.40E-04	¹	172.67	0.486	
Screen to Belt Conveyor	33,333		4.60E-05	¹	1.53	0.004	
Belt Conveyor to Cone Crusher	33,333		4.60E-05	¹	1.53	0.004	
Cone Crusher	33,333		5.40E-04	¹	18.00	0.051	
Cone Crusher to Belt Conveyor	33,333		4.60E-05	¹	1.53	0.004	
Belt Conveyor to Return Belt Conveyor	33,333		4.60E-05	¹	1.53	0.004	
Return Belt Conveyor to Screen	33,333		4.60E-05	¹	1.53	0.004	
Screen to Belt Conveyor	200,000		4.60E-05	¹	9.20	0.026	
Belt Conveyor to Belt Conveyor	200,000		4.60E-05	¹	9.20	0.026	
Belt conveyor to Belt Conveyor	200,000		4.60E-05	¹	9.20	0.026	
Belt Conveyor to Stackter	200,000		4.60E-05	¹	9.20	0.026	
Stackter to Stockpile	200,000		4.60E-05	¹	9.20	0.026	
Total PM ₁₀ Emissions					=	330.53	0.931

1) AP-42 Table 11.19.2-2

2) Based on 355 days of operation.

Maxmium Annual and Daily PM_{2.5} Emissions

Description	Throughput (tons/year)	x	Controlled Emission Factor (lbs/ton) ¹	=	PM _{2.5} Emissions (lbs/year)	PM _{2.5} Emissions (lbs/day) ²	
Loader to Hopper with grizzly Feeder	200,000		1.30E-05	¹	2.60	0.007	
Grizzly Feeader to Jaw Crusher (or Horizontal Shaft Impactor)	100,000		1.30E-05	¹	1.30	0.004	
Jaw Crusher or Horizontal Shaft Impactor (HSI)	100,000		1.00E-04	¹	10.00	0.028	
Feeder to Belt Conveyor	100,000		1.30E-05	¹	1.30	0.004	
Jaw Crusher (or HSI) to Belt Conveyor	100,000		1.30E-05	¹	1.30	0.004	
Belt Conveyor to Screen	200,000		1.30E-05	¹	2.60	0.007	
Screen	233,333		5.00E-05	¹	11.67	0.033	
Screen to Belt Conveyor	33,333		1.30E-05	¹	0.43	0.001	
Belt Conveyor to Cone Crusher	33,333		1.30E-05	¹	0.43	0.001	
Cone Crusher	33,333		1.00E-04	¹	3.33	0.009	
Cone Crusher to Belt Conveyor	33,333		1.30E-05	¹	0.43	0.001	
Belt Conveyor to Return Belt Conveyor	33,333		1.30E-05	¹	0.43	0.001	
Return Belt Conveyor to Screen	33,333		1.30E-05	¹	0.43	0.001	
Screen to Belt Conveyor	200,000		1.30E-05	¹	2.60	0.007	
Belt Conveyor to Belt Conveyor	200,000		1.30E-05	¹	2.60	0.007	
Belt conveyor to Belt Conveyor	200,000		1.30E-05	¹	2.60	0.007	
Belt Conveyor to Stackter	200,000		1.30E-05	¹	2.60	0.007	
Stackter to Stockpile	200,000		1.30E-05	¹	2.60	0.007	
Total PM _{2.5} Emissions					=	49.27	0.139

1) AP-42 Table 11.19.2-2

2) Based on 355 days of operation.

Particulate Emissions from Haul Roads (Table 17)

The following table calculates emissions from the paved and unpaved haul roads on site. Table 17 A details the emission factors used for the calculations.

Annual Haul Road Emissions

Process	Annual Truck Trips	Paved	Unpaved	Unpaved PM10 (lb/yr)	Paved PM10 (lb/yr)	Unpaved PM2.5 (lb/yr)	Paved PM2.5 (lb/yr)
		Distance per trip (miles)	Distance per trip (miles)				
Raw Material Import	24,000	0.71	0.09	1906.86	791.18	19.07	194.20
Ready Mix Concrete	33,339	0.5			773.98		189.98
Recycled Concrete (inbound)	8,000	0.33	0.07	494.37	122.58	4.94	30.09
Recycled Concrete (outbound)	5,600	0.33	0.17	840.43	85.80	8.40	21.06
Hot Mix Asphalt	13,367	0.8			496.51		121.87
Aggregate Sales	9244	0.33	0.17	1387.31	141.64	13.87	34.77
Water Truck	5680	0.83	0.17	852.44	218.89	8.52	53.73
			lb/yr	5,481.40	2,630.58	54.81	645.69
			tons/yr	2.74	1.32	0.03	0.32

Daily Haul Road Emissions ¹

Process	Unpaved PM10 (lb/day)	Paved PM10 (lb/day)	Unpaved PM2.5 (lb/day)	Paved PM2.5 (lb/day)
	Raw Material Import	5.37	2.23	0.05
Ready Mix Concrete		2.18		0.54
Recycled Concrete (inbound)	1.39	0.35	0.01	0.08
Recycled Concrete (outbound)	2.37	0.24	0.02	0.06
Hot Mix Asphalt		1.40		0.34
Aggregate Sales	3.91	0.40	0.04	0.10
Water Truck	2.40	0.62	0.02	0.15
	lb/day	15.44	7.41	0.15
			0.15	1.82

1) Based on 355 days of operation.

Emission Factors for Paved and Unpaved Roads (Table 17A)

AP42 13.2.2 Unpaved Roads, November 2006

$E = k (s/12)^a (W/3)^b$

PM10

k (lb/vmt)=	1.5	Table 13.2.2-2
a=	0.9	Table 13.2.2-2
b=	0.45	Table 13.2.2-2
s	8.38	Surface material silt content, average of tested data at Vulcan sites.
Wf	40	Wt of loaded truck (tons)
We	15	Wt of empty truck (tons)
W	27.5	Average weight of truck (tons)

PM10
lb/VMT
2.942679 Uncontrolled

PM2.5

k (lb/vmt)=	0.015	Table 13.2.2-2
a=	0.9	Table 13.2.2-2
b=	0.45	Table 13.2.2-2
s	8.38	Table 13.2.2-1
Wf	40	Wt of loaded truck (tons)
We	15	Wt of empty truck (tons)
W	27.5	Average weight of truck (tons)

PM2.5
lb/VMT
0.029427 Uncontrolled

AP42 13.2.1 Paved Roads, January 2011

$E = k(sL)^{0.91} \times (W)^{1.02}$

PM10

k (lb/vmt)=	0.0022	Table 13.2.1-1
SL (g/m2)	2.61	Silt Loading, average of tested data from Vulcan sites.
Wf	40	Wt of loaded truck (tons)
We	15	Wt of empty truck (tons)
W	27.5	Average weight of truck (tons)

		k	SL		W		PM10
		(lb/VMT)	(g/m2)				lb/VMT
E	=	0.0022	2.61	0.91	27.5	1.02	0.154769 Uncontrolled

PM2.5

k (lb/vmt)=	0.00054	Table 13.2.1-1
SL (g/m2)	2.61	Table 13.2.1-3
Wf	40	Wt of loaded truck (tons)
We	15	Wt of empty truck (tons)
W	27.5	Average weight of truck (tons)

		k	SL		W		PM2.5
		(lb/VMT)	(g/m2)				lb/VMT
E	=	0.00054	2.61	0.91	27.5	1.02	0.037989 Uncontrolled

	Haul Road Emission Factors			
	Unpaved		Paved	
	PM10	PM2.5	PM10	PM2.5
	lb/VMT	lb/VMT	lb/VMT	lb/VMT
Uncontrolled	2.942679	0.029427	0.154769	0.037989
Controlled ¹	0.882804	0.008828	0.046431	0.011397

1. Control of 70% applied for watering road.

Particulate Emissions from On-Site Stockpiles (Table 18)

PM₁₀

Daily PM₁₀ = EF (lb/Acre/day) x Acres x CF

Where EF = 5.27 x lb/acre/day, San Joaquin Valley Aggregate Permit Processing SSP 1610-1 Table 1
CF = 80% for water control, San Joaquin Valley SSP 1610
Acres = 3, taken from site map

Daily PM₁₀ = 3.162 lb/day
Annual PM₁₀ = 1154.13 lb/yr
Annual PM₁₀ = 0.577065 tons/yr

PM_{2.5}

PM_{2.5} fraction is based on "Final Methodology to Calculate Particulate Mater (PM2.5)", South Coast AQMD October 2006, Appendix A, Table A for mineral process loss, loading and unloading bulk materials

PM_{2.5} Fraction = 0.292

Daily PM_{2.5} = 0.923304 lb/day
Annual PM_{2.5} = 337.006 lb/yr
Annual PM_{2.5} = 0.168503 tons/yr

Purchased Electricity (Table 19)

Purchased Electricity emissions total are derived from site utility data and electricity emission factors from EPA Year 2010 eGRID 9th Edition Version 1.0 (February 2014). The analysis below is the anticipated electrical needs for the facility as a whole. The eGRID sub region is CAMX (WECC California) total output emission rates was used to quantity emissions from purchased electricity.

Facility Wide

Annual Greenhouse Gas Emission Estimates

Pollutant	Mwh/yr	x	eGrid Emission Factor (lb/Mwh)	=	Operating Emissions (lbs/yr)	Operating Emissions (Mtons/yr)	x	GWP	=	Total CO2e (Mtons/yr)
CO2	2,450.05		610.82		1,496,541.98	679.43		1		679.43
CH4	2,450.05		0.02849		69.80	0.03		25		0.79
N2O	2,450.05		0.00603		14.77	0.01		298		2.00
Total CO2e (tons/yr)										682.22

Particulate Emissions From Unloading System (Table 20)

Maxmium Annual and Daily PM₁₀ Emissions

Description	Throughtput (tons/year)	x	Controlled Emission Factor (lbs/ton) ¹	=	PM ₁₀ Emissions (lbs/year)	PM ₁₀ Emissions (lbs/day) ²
Drive Over Hopper Unloading	600,000		4.60E-05	¹	27.60	0.078
Belt Conveyor 1 to Belt Conveyor 2	600,000		4.60E-05	¹	27.60	0.078
Belt Conveyor 2 to Belt Conveyor 3	600,000		4.60E-05	¹	27.60	0.078
Belt Conveyor 3 to Storage Bunkers	600,000		4.60E-05	¹	27.60	0.078
Total PM ₁₀ Emissions				=	110.40	0.311

1) AP-42 Table 11.19.2-2

2) Based on 355 days of operation.

Maxmium Annual and Daily PM_{2.5} Emissions

Description	Throughtput (tons/year)	x	Controlled Emission Factor (lbs/ton) ¹	=	PM _{2.5} Emissions (lbs/year)	PM _{2.5} Emissions (lbs/day) ²
Drive Over Hopper Unloading	600,000		1.30E-05	¹	7.80	0.022
Belt Conveyor 1 to Belt Conveyor 2	600,000		1.30E-05	¹	7.80	0.022
Belt Conveyor 2 to Belt Conveyor 3	600,000		1.30E-05	¹	7.80	0.022
Belt Conveyor 3 to Storage Bunkers	600,000		1.30E-05	¹	7.80	0.022
Total PM _{2.5} Emissions				=	31.20	0.088

1) AP-42 Table 11.19.2-2

2) Based on 355 days of operation.

APPENDIX D

AMBIENT AIR QUALITY MODELING RESULTS

BREEZE AERMOD Model Results

Highest Results of Pollutant: OTHER

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	D1	1ST	Avg. Conc.	0.01694	MILLIGRAMS/m**3	17121607	643605.30	4250526.20	15.93	15.93	0.00	DC	
	D2	1ST		0.01899		17083124	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D3	1ST		0.00039		18052819	643546.80	4250498.30	15.93	15.93	0.00	DC	
	D4	1ST		0.00054		18060921	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D5	1ST		0.00320		17013109	643846.80	4250198.30	15.93	15.93	0.00	DC	
	D6	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D7	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D97	1ST		0.00288		14101504	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D100	1ST		0.01822		18100120	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D9	1ST		1.04773		14011509	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D10	1ST		0.54628		14011009	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D11	1ST		0.65244		14060406	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D8	1ST		0.59117		14011009	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D98	1ST		0.12400		14121409	643507.80	4250877.80	15.63	15.63	0.00	DC	
	D99	1ST		0.15658		14011709	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D12	1ST		0.00063		15030708	643768.80	4250845.40	15.63	15.63	0.00	DC	
	D13	1ST		0.00047		16030908	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D14	1ST		0.00112		15102308	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D15	1ST		0.00044		18120921	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D16	1ST		0.00082		18012809	643668.90	4250843.40	15.63	15.63	0.00	DC	
	D17	1ST		0.00050		17122309	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D18	1ST		0.00119		15012909	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D19	1ST		0.00119		15022109	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D50	1ST		0.00230		18012809	643818.80	4250846.40	15.71	15.71	0.00	DC	
	D51	1ST		0.00316		15011110	643846.80	4250798.30	15.78	15.78	0.00	DC	
1-HR	D52	1ST	Avg. Conc.	0.00284	MILLIGRAMS/m**3	14102808	643846.80	4250698.30	15.66	15.66	0.00	DC	
	D53	1ST		0.00325		15011110	643846.80	4250598.30	15.63	15.63	0.00	DC	
	D54	1ST		0.00337		15102308	643846.80	4250498.30	15.89	15.89	0.00	DC	
	D55	1ST		0.00326		17013109	643846.80	4250398.30	15.91	15.91	0.00	DC	
	D56	1ST		0.00335		15011110	643846.80	4250298.30	15.93	15.93	0.00	DC	
	D57	1ST		0.00320		17013109	643846.80	4250198.30	15.93	15.93	0.00	DC	
	D58	1ST		0.00200		14012809	643846.80	4250098.30	15.82	15.82	0.00	DC	
	D59	1ST		0.00061		14021123	643946.80	4250098.30	15.73	15.73	0.00	DC	
	D60	1ST		0.00306		18041907	644046.80	4249898.30	15.93	15.93	0.00	DC	
	D61	1ST		0.00157		16090707	644046.80	4249798.30	15.93	15.93	0.00	DC	
	D62	1ST		0.00364		15102308	643946.80	4249698.30	15.92	15.92	0.00	DC	
	D63	1ST		0.00208		15011310	643846.80	4249598.30	15.73	15.73	0.00	DC	
	D64	1ST		0.00061		15021405	643746.80	4249598.30	15.88	15.88	0.00	DC	
	D65	1ST		0.00094		15111909	643646.80	4249398.30	15.48	15.48	0.00	DC	
	D66	1ST		0.00228		14012009	643546.80	4249298.30	14.94	14.94	0.00	DC	
	D67	1ST		0.00155		14012109	643446.80	4249198.30	14.43	14.43	0.00	DC	
	D68	1ST		0.00110		17111808	643346.80	4249098.30	14.33	14.33	0.00	DC	

	D69	IST		0.00224		14120909	643246.80	4249098.30	14.37	14.37	0.00	DC
	D70	IST		0.00061		18022424	643146.80	4248898.30	16.29	16.29	0.00	DC
	D71	IST		0.00061		14021123	643046.80	4248998.30	14.54	14.54	0.00	DC
	D72	IST		0.01664		14021109	643768.80	4250845.40	15.63	15.63	0.00	DC
	D73	IST		0.02126		17121109	643707.70	4250881.20	15.63	15.63	0.00	DC
	D74	IST		0.01689		18121309	643667.40	4250746.00	15.63	15.63	0.00	DC
	D75	IST		0.02742		17121109	643668.60	4250646.00	15.63	15.63	0.00	DC
	D76	IST		0.01413		17061806	643529.00	4250583.60	15.84	15.84	0.00	DC
1-HR	D77	IST	Avg. Conc.	0.00621	MILLIGRAMS/m**3	15021119	643529.00	4250583.60	15.84	15.84	0.00	DC
	D78	IST		0.00949		16111408	643429.00	4250581.60	15.92	15.92	0.00	DC
	D79	IST		0.01364		14010809	643529.00	4250583.60	15.84	15.84	0.00	DC
	D80	IST		0.01417		18110208	643668.60	4250646.00	15.63	15.63	0.00	DC
	D81	IST		0.01911		15121209	643666.20	4250843.30	15.63	15.63	0.00	DC
	D82	IST		0.01372		18011909	643707.70	4250881.20	15.63	15.63	0.00	DC
	D83	IST		0.01956		17121509	643768.80	4250845.40	15.63	15.63	0.00	DC
	D84	IST		0.00019		15030708	643768.80	4250845.40	15.63	15.63	0.00	DC
	D85	IST		0.00019		18030708	643666.20	4250843.30	15.63	15.63	0.00	DC
	D86	IST		0.00014		18122209	643667.40	4250746.00	15.63	15.63	0.00	DC
	D87	IST		0.00025		15011210	643668.60	4250646.00	15.63	15.63	0.00	DC
	D88	IST		0.00014		15030508	643629.00	4250585.50	15.74	15.74	0.00	DC
	D89	IST		0.00020		18012809	643529.00	4250583.60	15.84	15.84	0.00	DC
	D90	IST		0.00009		16121722	643529.00	4250583.60	15.84	15.84	0.00	DC
	D91	IST		0.00011		16021506	643429.00	4250581.60	15.92	15.92	0.00	DC
	D92	IST		0.00014		16120421	643529.00	4250583.60	15.84	15.84	0.00	DC
	D93	IST		0.00025		18120709	643668.60	4250646.00	15.63	15.63	0.00	DC
	D94	IST		0.00015		18013009	643667.40	4250746.00	15.63	15.63	0.00	DC
	D95	IST		0.00016		17061306	643707.70	4250881.20	15.63	15.63	0.00	DC
	D96	IST		0.00030		18012809	643768.80	4250845.40	15.63	15.63	0.00	DC
						14011509	643529.00	4250583.60	15.84	15.84	0.00	DC
8-HR	D1	IST	Avg. Conc.	0.01463	MILLIGRAMS/m**3	16013124	643605.30	4250526.20	15.93	15.93	0.00	DC
	D2	IST		0.00542		14102324	643529.00	4250583.60	15.84	15.84	0.00	DC
	D3	IST		0.00029		18012008	643605.30	4250526.20	15.93	15.93	0.00	DC
	D4	IST		0.00030		18122124	643669.30	4250586.30	15.74	15.74	0.00	DC
	D5	IST		0.00090		16102324	643668.90	4250843.40	15.63	15.63	0.00	DC
	D6	IST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00	
	D7	IST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00	
	D97	IST		0.00220		15111624	643669.30	4250586.30	15.74	15.74	0.00	DC
	D100	IST		0.00690		14113024	643529.00	4250583.60	15.84	15.84	0.00	DC
	D9	IST		0.45918c		14112608	643529.00	4250583.60	15.84	15.84	0.00	DC
	D10	IST		0.21414c		15101308	643668.60	4250646.00	15.63	15.63	0.00	DC
	D11	IST		0.29218		15031808	643666.20	4250843.30	15.63	15.63	0.00	DC
	D8	IST		0.24990		18111008	643668.60	4250646.00	15.63	15.63	0.00	DC
	D98	IST		0.04463		18020708	643529.00	4250583.60	15.84	15.84	0.00	DC
	D99	IST		0.07194		18020708	643529.00	4250583.60	15.84	15.84	0.00	DC
	D12	IST		0.00038		15031808	643807.70	4250883.00	15.63	15.63	0.00	DC
	D13	IST		0.00030		14012824	643666.20	4250843.30	15.63	15.63	0.00	DC
	D14	IST		0.00033c		15101308	643668.60	4250646.00	15.63	15.63	0.00	DC
	D15	IST		0.00032		18111008	643529.00	4250583.60	15.84	15.84	0.00	DC
	D16	IST		0.00035		15031808	643707.70	4250881.20	15.63	15.63	0.00	DC

	D17	1ST		0.00025		16010208	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D18	1ST		0.00028		17120916	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D19	1ST		0.00027		18111616	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D50	1ST		0.00108		14111208	643807.70	4250883.00	15.63	15.63	0.00	DC	
	D51	1ST		0.00076		18102508	643846.80	4250798.30	15.78	15.78	0.00	DC	
8-HR	D52	1ST	Avg. Conc.	0.00074	MILLIGRAMS/m**3	14102808	643846.80	4250698.30	15.66	15.66	0.00	DC	
	D53	1ST		0.00077		15011116	643846.80	4250598.30	15.63	15.63	0.00	DC	
	D54	1ST		0.00075c		15102308	643846.80	4250498.30	15.89	15.89	0.00	DC	
	D55	1ST		0.00077		15011116	643846.80	4250398.30	15.91	15.91	0.00	DC	
	D56	1ST		0.00080		15011116	643846.80	4250298.30	15.93	15.93	0.00	DC	
	D57	1ST		0.00076		15011116	643846.80	4250198.30	15.93	15.93	0.00	DC	
	D58	1ST		0.00084c		14012208	643846.80	4250098.30	15.82	15.82	0.00	DC	
	D59	1ST		0.00033		17102908	643946.80	4250098.30	15.73	15.73	0.00	DC	
	D60	1ST		0.00072		15110508	644046.80	4249898.30	15.93	15.93	0.00	DC	
	D61	1ST		0.00101		18102508	644046.80	4249798.30	15.93	15.93	0.00	DC	
	D62	1ST		0.00069c		15102308	643946.80	4249698.30	15.92	15.92	0.00	DC	
	D63	1ST		0.00043		15120516	643846.80	4249598.30	15.73	15.73	0.00	DC	
	D64	1ST		0.00034		17102908	643746.80	4249598.30	15.88	15.88	0.00	DC	
	D65	1ST		0.00033		17102908	643646.80	4249498.30	15.67	15.67	0.00	DC	
	D66	1ST		0.00100c		15101308	643546.80	4249298.30	14.94	14.94	0.00	DC	
	D67	1ST		0.00084		18111008	643446.80	4249198.30	14.43	14.43	0.00	DC	
	D68	1ST		0.00067		14012824	643346.80	4249198.30	14.32	14.32	0.00	DC	
	D69	1ST		0.00124		14111208	643246.80	4249098.30	14.37	14.37	0.00	DC	
	D70	1ST		0.00033		17102908	643146.80	4249098.30	14.43	14.43	0.00	DC	
	D71	1ST		0.00033		17102908	643046.80	4248998.30	14.54	14.54	0.00	DC	
	D72	1ST		0.00951		14111208	643746.80	4250898.30	15.63	15.63	0.00	DC	
	D73	1ST		0.00942		15031808	643707.70	4250881.20	15.63	15.63	0.00	DC	
	D74	1ST		0.00975		18111008	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D75	1ST		0.00749		14102808	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D76	1ST		0.00613		17102608	643529.00	4250583.60	15.84	15.84	0.00	DC	
8-HR	D77	1ST	Avg. Conc.	0.00382	MILLIGRAMS/m**3	18111008	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D78	1ST		0.00490c		16102108	643429.00	4250581.60	15.92	15.92	0.00	DC	
	D79	1ST		0.00604c		14012208	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D80	1ST		0.00692		14113024	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D81	1ST		0.00809		15011124	643668.90	4250843.40	15.63	15.63	0.00	DC	
	D82	1ST		0.00933		15032208	643707.70	4250881.20	15.63	15.63	0.00	DC	
	D83	1ST		0.00908		14101124	643807.70	4250883.00	15.63	15.63	0.00	DC	
	D84	1ST		0.00010		15031808	643807.70	4250883.00	15.63	15.63	0.00	DC	
	D85	1ST		0.00010		18012108	643646.80	4250898.30	15.63	15.63	0.00	DC	
	D86	1ST		0.00008		14012824	643668.90	4250843.40	15.63	15.63	0.00	DC	
	D87	1ST		0.00011c		15101308	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D88	1ST		0.00009		18111008	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D89	1ST		0.00011		15123108	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D90	1ST		0.00005		18111008	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D91	1ST		0.00006		15123108	643429.00	4250581.60	15.92	15.92	0.00	DC	
	D92	1ST		0.00006c		14012208	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D93	1ST		0.00011		14101524	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D94	1ST		0.00008c		14100508	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D95	1ST		0.00011		15032208	643707.70	4250881.20	15.63	15.63	0.00	DC	

	D96	IST	0.00011		15031808	643807.70	4250883.00	15.63	15.63	0.00	DC	
		IST			14112608	643529.00	4250583.60	15.84	15.84	0.00	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
147	Warning Message(s)
1576	Informational Message(s)
43680	Hours Were Processed
643	Calm Hours Identified
933	Missing Hours Identified (2.14 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	ME	W186	THRESH_1MIN 1-min ASOS wind speed threshold used 0.50

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BREEZE AERMOD Model Results

Max. Annual (4 YEARS) Results of Pollutant: OTHER (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
			East (m)	North (m)					
D1	1ST	0.08996	643666.20	4250843.30	15.63	15.63	0.00	DC	
	2ND	0.08872	643668.90	4250843.40	15.63	15.63	0.00	DC	
	3RD	0.08259	643646.80	4250898.30	15.63	15.63	0.00	DC	
	4TH	0.08190	643607.80	4250879.50	15.63	15.63	0.00	DC	
	5TH	0.07211	643707.70	4250881.20	15.63	15.63	0.00	DC	
	6TH	0.06473	643728.50	4250904.30	15.63	15.63	0.00	DC	
	7TH	0.06178	643605.30	4250526.20	15.93	15.93	0.00	DC	
	8TH	0.05750	643746.80	4250898.30	15.63	15.63	0.00	DC	
	9TH	0.05610	643746.80	4250998.30	15.63	15.63	0.00	DC	
	10TH	0.05572	643646.80	4250998.30	15.63	15.63	0.00	DC	
D2	1ST	0.00000	0.00	0.00	0.00	0.00	0.00		
	2ND	0.00000	0.00	0.00	0.00	0.00	0.00		
	3RD	0.00000	0.00	0.00	0.00	0.00	0.00		
	4TH	0.00000	0.00	0.00	0.00	0.00	0.00		
	5TH	0.00000	0.00	0.00	0.00	0.00	0.00		
	6TH	0.00000	0.00	0.00	0.00	0.00	0.00		
	7TH	0.00000	0.00	0.00	0.00	0.00	0.00		
	8TH	0.00000	0.00	0.00	0.00	0.00	0.00		
	9TH	0.00000	0.00	0.00	0.00	0.00	0.00		
	10TH	0.00000	0.00	0.00	0.00	0.00	0.00		
D3	1ST	0.03025	643605.30	4250526.20	15.93	15.93	0.00	DC	
	2ND	0.02553	643507.80	4250877.80	15.63	15.63	0.00	DC	
	3RD	0.02444	643607.80	4250879.50	15.63	15.63	0.00	DC	
	4TH	0.02421	643546.80	4250898.30	15.63	15.63	0.00	DC	
	5TH	0.02232	643667.40	4250746.00	15.63	15.63	0.00	DC	
	6TH	0.02196	643446.80	4250898.30	15.63	15.63	0.00	DC	
	7TH	0.02182	643666.20	4250843.30	15.63	15.63	0.00	DC	
	8TH	0.02146	643668.90	4250843.40	15.63	15.63	0.00	DC	
	9TH	0.02054	643407.80	4250876.00	15.63	15.63	0.00	DC	
	10TH	0.02033	643646.80	4250898.30	15.63	15.63	0.00	DC	
D4	1ST	0.22623	643667.40	4250746.00	15.63	15.63	0.00	DC	
	2ND	0.10495	643666.20	4250843.30	15.63	15.63	0.00	DC	
	3RD	0.10476	643668.90	4250843.40	15.63	15.63	0.00	DC	
	4TH	0.09957	643669.30	4250586.30	15.74	15.74	0.00	DC	
	5TH	0.07913	643607.80	4250879.50	15.63	15.63	0.00	DC	
	6TH	0.07784	643707.70	4250881.20	15.63	15.63	0.00	DC	
	7TH	0.07731	643646.80	4250898.30	15.63	15.63	0.00	DC	
	8TH	0.07405	643746.80	4250798.30	15.63	15.63	0.00	DC	
	9TH	0.06514	643728.50	4250904.30	15.63	15.63	0.00	DC	
	10TH	0.06430	643546.80	4250898.30	15.63	15.63	0.00	DC	
D5	1ST	0.51143	643846.80	4250198.30	15.93	15.93	0.00	DC	
	2ND	0.30732	643846.80	4250298.30	15.93	15.93	0.00	DC	
	3RD	0.12234	643746.80	4250298.30	15.93	15.93	0.00	DC	

	4TH	0.12170	643846.80	4250098.30	15.82	15.82	0.00	DC
	5TH	0.10571	643846.80	4250398.30	15.91	15.91	0.00	DC
	6TH	0.10409	643746.80	4250198.30	15.93	15.93	0.00	DC
	7TH	0.09455	643946.80	4250198.30	15.73	15.73	0.00	DC
	8TH	0.09318	643646.80	4250898.30	15.63	15.63	0.00	DC
	9TH	0.09219	643946.80	4250298.30	15.73	15.73	0.00	DC
	10TH	0.09133	643746.80	4250398.30	15.93	15.93	0.00	DC
D6	1ST	0.00000	0.00	0.00	0.00	0.00	0.00	
	2ND	0.00000	0.00	0.00	0.00	0.00	0.00	
	3RD	0.00000	0.00	0.00	0.00	0.00	0.00	
	4TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	5TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	6TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	7TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	8TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	9TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	10TH	0.00000	0.00	0.00	0.00	0.00	0.00	
D7	1ST	0.00000	0.00	0.00	0.00	0.00	0.00	
	2ND	0.00000	0.00	0.00	0.00	0.00	0.00	
	3RD	0.00000	0.00	0.00	0.00	0.00	0.00	
	4TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	5TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	6TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	7TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	8TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	9TH	0.00000	0.00	0.00	0.00	0.00	0.00	
	10TH	0.00000	0.00	0.00	0.00	0.00	0.00	
D97	1ST	0.16625	643667.40	4250746.00	15.63	15.63	0.00	DC
	2ND	0.11394	643669.30	4250586.30	15.74	15.74	0.00	DC
	3RD	0.08640	643666.20	4250843.30	15.63	15.63	0.00	DC
	4TH	0.08609	643668.90	4250843.40	15.63	15.63	0.00	DC
	5TH	0.07220	643668.60	4250646.00	15.63	15.63	0.00	DC
	6TH	0.07018	643607.80	4250879.50	15.63	15.63	0.00	DC
	7TH	0.06708	643746.80	4250798.30	15.63	15.63	0.00	DC
	8TH	0.06672	643646.80	4250898.30	15.63	15.63	0.00	DC
	9TH	0.06550	643707.70	4250881.20	15.63	15.63	0.00	DC
	10TH	0.05959	643546.80	4250898.30	15.63	15.63	0.00	DC
D100	1ST	2.43507	643507.80	4250877.80	15.63	15.63	0.00	DC
	2ND	2.03682	643446.80	4250898.30	15.63	15.63	0.00	DC
	3RD	1.84931	643546.80	4250898.30	15.63	15.63	0.00	DC
	4TH	1.80953	643407.80	4250876.00	15.63	15.63	0.00	DC
	5TH	1.73561	643529.00	4250583.60	15.84	15.84	0.00	DC
	6TH	1.44960	643607.80	4250879.50	15.63	15.63	0.00	DC
	7TH	1.20020	643629.00	4250585.50	15.74	15.74	0.00	DC
	8TH	1.10680	643446.80	4250998.30	15.63	15.63	0.00	DC
	9TH	1.02191	643605.30	4250526.20	15.93	15.93	0.00	DC
	10TH	1.00546	643546.80	4250998.30	15.63	15.63	0.00	DC
D9	1ST	1.94455	643529.00	4250583.60	15.84	15.84	0.00	DC
	2ND	1.30866	643629.00	4250585.50	15.74	15.74	0.00	DC

	3RD	1.01775	643605.30	4250526.20	15.93	15.93	0.00	DC
	4TH	0.82585	643668.60	4250646.00	15.63	15.63	0.00	DC
	5TH	0.74726	643507.80	4250877.80	15.63	15.63	0.00	DC
	6TH	0.73877	643669.30	4250586.30	15.74	15.74	0.00	DC
	7TH	0.70678	643667.40	4250746.00	15.63	15.63	0.00	DC
	8TH	0.63612	643546.80	4250898.30	15.63	15.63	0.00	DC
	9TH	0.61115	643646.80	4250498.30	15.93	15.93	0.00	DC
	10TH	0.60837	643607.80	4250879.50	15.63	15.63	0.00	DC
D10	1ST	1.45338	643629.00	4250585.50	15.74	15.74	0.00	DC
	2ND	1.38152	643667.40	4250746.00	15.63	15.63	0.00	DC
	3RD	1.36756	643668.60	4250646.00	15.63	15.63	0.00	DC
	4TH	1.03087	643669.30	4250586.30	15.74	15.74	0.00	DC
	5TH	0.94066	643607.80	4250879.50	15.63	15.63	0.00	DC
	6TH	0.90583	643507.80	4250877.80	15.63	15.63	0.00	DC
	7TH	0.89964	643666.20	4250843.30	15.63	15.63	0.00	DC
	8TH	0.87767	643668.90	4250843.40	15.63	15.63	0.00	DC
	9TH	0.86523	643546.80	4250898.30	15.63	15.63	0.00	DC
	10TH	0.69870	643646.80	4250898.30	15.63	15.63	0.00	DC
D11	1ST	4.78176	643607.80	4250879.50	15.63	15.63	0.00	DC
	2ND	2.22035	643646.80	4250898.30	15.63	15.63	0.00	DC
	3RD	1.86399	643666.20	4250843.30	15.63	15.63	0.00	DC
	4TH	1.69834	643668.90	4250843.40	15.63	15.63	0.00	DC
	5TH	1.68297	643546.80	4250898.30	15.63	15.63	0.00	DC
	6TH	1.13026	643667.40	4250746.00	15.63	15.63	0.00	DC
	7TH	0.81370	643546.80	4250998.30	15.63	15.63	0.00	DC
	8TH	0.76420	643507.80	4250877.80	15.63	15.63	0.00	DC
	9TH	0.74314	643646.80	4250998.30	15.63	15.63	0.00	DC
	10TH	0.69927	643707.70	4250881.20	15.63	15.63	0.00	DC
D8	1ST	2.86807	643667.40	4250746.00	15.63	15.63	0.00	DC
	2ND	1.96644	643668.60	4250646.00	15.63	15.63	0.00	DC
	3RD	0.67359	643666.20	4250843.30	15.63	15.63	0.00	DC
	4TH	0.66448	643668.90	4250843.40	15.63	15.63	0.00	DC
	5TH	0.51636	643607.80	4250879.50	15.63	15.63	0.00	DC
	6TH	0.48127	643669.30	4250586.30	15.74	15.74	0.00	DC
	7TH	0.42783	643646.80	4250898.30	15.63	15.63	0.00	DC
	8TH	0.40350	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.40059	643746.80	4250698.30	15.63	15.63	0.00	DC
	10TH	0.38704	643707.70	4250881.20	15.63	15.63	0.00	DC
D98	1ST	0.30749	643507.80	4250877.80	15.63	15.63	0.00	DC
	2ND	0.25686	643546.80	4250898.30	15.63	15.63	0.00	DC
	3RD	0.23664	643607.80	4250879.50	15.63	15.63	0.00	DC
	4TH	0.14717	643646.80	4250898.30	15.63	15.63	0.00	DC
	5TH	0.14589	643446.80	4250898.30	15.63	15.63	0.00	DC
	6TH	0.14251	643666.20	4250843.30	15.63	15.63	0.00	DC
	7TH	0.13720	643668.90	4250843.40	15.63	15.63	0.00	DC
	8TH	0.13667	643667.40	4250746.00	15.63	15.63	0.00	DC
	9TH	0.12943	643668.60	4250646.00	15.63	15.63	0.00	DC
	10TH	0.11588	643629.00	4250585.50	15.74	15.74	0.00	DC
D99	1ST	0.17931	643529.00	4250583.60	15.84	15.84	0.00	DC

	2ND	0.13781	643507.80	4250877.80	15.63	15.63	0.00	DC
	3RD	0.12948	643629.00	4250585.50	15.74	15.74	0.00	DC
	4TH	0.11101	643546.80	4250898.30	15.63	15.63	0.00	DC
	5TH	0.10997	643446.80	4250898.30	15.63	15.63	0.00	DC
	6TH	0.09946	643607.80	4250879.50	15.63	15.63	0.00	DC
	7TH	0.09909	643605.30	4250526.20	15.93	15.93	0.00	DC
	8TH	0.08974	643407.80	4250876.00	15.63	15.63	0.00	DC
	9TH	0.08297	643668.60	4250646.00	15.63	15.63	0.00	DC
	10TH	0.07859	643667.40	4250746.00	15.63	15.63	0.00	DC
D12	1ST	0.25178	643807.70	4250883.00	15.63	15.63	0.00	DC
	2ND	0.19062	643746.80	4250898.30	15.63	15.63	0.00	DC
	3RD	0.17251	643818.80	4250846.40	15.71	15.71	0.00	DC
	4TH	0.16386	643768.80	4250845.40	15.63	15.63	0.00	DC
	5TH	0.16047	643820.90	4250883.20	15.66	15.66	0.00	DC
	6TH	0.10510	643728.50	4250904.30	15.63	15.63	0.00	DC
	7TH	0.07933	643746.80	4250998.30	15.63	15.63	0.00	DC
	8TH	0.07823	643846.80	4250898.30	15.65	15.65	0.00	DC
	9TH	0.06139	643846.80	4250798.30	15.78	15.78	0.00	DC
	10TH	0.05410	643846.80	4250998.30	15.63	15.63	0.00	DC
D13	1ST	0.35480	643666.20	4250843.30	15.63	15.63	0.00	DC
	2ND	0.34031	643668.90	4250843.40	15.63	15.63	0.00	DC
	3RD	0.12450	643646.80	4250898.30	15.63	15.63	0.00	DC
	4TH	0.11899	643667.40	4250746.00	15.63	15.63	0.00	DC
	5TH	0.11064	643607.80	4250879.50	15.63	15.63	0.00	DC
	6TH	0.09241	643707.70	4250881.20	15.63	15.63	0.00	DC
	7TH	0.05595	643728.50	4250904.30	15.63	15.63	0.00	DC
	8TH	0.04618	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.04336	643746.80	4250898.30	15.63	15.63	0.00	DC
	10TH	0.03943	643646.80	4250998.30	15.63	15.63	0.00	DC
D14	1ST	0.26903	643668.60	4250646.00	15.63	15.63	0.00	DC
	2ND	0.12852	643667.40	4250746.00	15.63	15.63	0.00	DC
	3RD	0.08609	643669.30	4250586.30	15.74	15.74	0.00	DC
	4TH	0.05699	643629.00	4250585.50	15.74	15.74	0.00	DC
	5TH	0.04613	643746.80	4250698.30	15.63	15.63	0.00	DC
	6TH	0.04585	643746.80	4250598.30	15.71	15.71	0.00	DC
	7TH	0.04086	643666.20	4250843.30	15.63	15.63	0.00	DC
	8TH	0.04057	643668.90	4250843.40	15.63	15.63	0.00	DC
	9TH	0.03650	643746.80	4250798.30	15.63	15.63	0.00	DC
	10TH	0.03146	643607.80	4250879.50	15.63	15.63	0.00	DC
D15	1ST	0.19734	643529.00	4250583.60	15.84	15.84	0.00	DC
	2ND	0.03583	643546.80	4250498.30	15.93	15.93	0.00	DC
	3RD	0.03536	643429.00	4250581.60	15.92	15.92	0.00	DC
	4TH	0.03303	643605.30	4250526.20	15.93	15.93	0.00	DC
	5TH	0.02853	643629.00	4250585.50	15.74	15.74	0.00	DC
	6TH	0.02493	643507.80	4250877.80	15.63	15.63	0.00	DC
	7TH	0.02391	643373.60	4250676.90	15.92	15.92	0.00	DC
	8TH	0.02359	643407.80	4250876.00	15.63	15.63	0.00	DC
	9TH	0.02336	643402.40	4250581.10	15.93	15.93	0.00	DC
	10TH	0.02238	643446.80	4250898.30	15.63	15.63	0.00	DC

D16	1ST	0.27152	643707.70	4250881.20	15.63	15.63	0.00	DC
	2ND	0.19719	643668.90	4250843.40	15.63	15.63	0.00	DC
	3RD	0.19481	643646.80	4250898.30	15.63	15.63	0.00	DC
	4TH	0.18804	643666.20	4250843.30	15.63	15.63	0.00	DC
	5TH	0.13148	643728.50	4250904.30	15.63	15.63	0.00	DC
	6TH	0.07742	643746.80	4250898.30	15.63	15.63	0.00	DC
	7TH	0.07061	643646.80	4250998.30	15.63	15.63	0.00	DC
	8TH	0.06621	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.05757	643607.80	4250879.50	15.63	15.63	0.00	DC
	10TH	0.05096	643768.80	4250845.40	15.63	15.63	0.00	DC
D17	1ST	0.23985	643666.20	4250843.30	15.63	15.63	0.00	DC
	2ND	0.23348	643668.90	4250843.40	15.63	15.63	0.00	DC
	3RD	0.20100	643667.40	4250746.00	15.63	15.63	0.00	DC
	4TH	0.09809	643607.80	4250879.50	15.63	15.63	0.00	DC
	5TH	0.09662	643646.80	4250898.30	15.63	15.63	0.00	DC
	6TH	0.07956	643707.70	4250881.20	15.63	15.63	0.00	DC
	7TH	0.05045	643728.50	4250904.30	15.63	15.63	0.00	DC
	8TH	0.04451	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.04088	643746.80	4250898.30	15.63	15.63	0.00	DC
	10TH	0.03862	643746.80	4250698.30	15.63	15.63	0.00	DC
D18	1ST	0.28513	643629.00	4250585.50	15.74	15.74	0.00	DC
	2ND	0.14361	643668.60	4250646.00	15.63	15.63	0.00	DC
	3RD	0.13740	643669.30	4250586.30	15.74	15.74	0.00	DC
	4TH	0.05732	643605.30	4250526.20	15.93	15.93	0.00	DC
	5TH	0.05397	643667.40	4250746.00	15.63	15.63	0.00	DC
	6TH	0.04566	643646.80	4250498.30	15.93	15.93	0.00	DC
	7TH	0.03016	643529.00	4250583.60	15.84	15.84	0.00	DC
	8TH	0.02904	643746.80	4250598.30	15.71	15.71	0.00	DC
	9TH	0.02798	643746.80	4250698.30	15.63	15.63	0.00	DC
	10TH	0.02531	643746.80	4250498.30	15.93	15.93	0.00	DC
D19	1ST	0.24786	643667.40	4250746.00	15.63	15.63	0.00	DC
	2ND	0.14187	643666.20	4250843.30	15.63	15.63	0.00	DC
	3RD	0.14006	643668.90	4250843.40	15.63	15.63	0.00	DC
	4TH	0.07172	643607.80	4250879.50	15.63	15.63	0.00	DC
	5TH	0.06768	643646.80	4250898.30	15.63	15.63	0.00	DC
	6TH	0.06399	643707.70	4250881.20	15.63	15.63	0.00	DC
	7TH	0.04915	643746.80	4250798.30	15.63	15.63	0.00	DC
	8TH	0.04815	643746.80	4250698.30	15.63	15.63	0.00	DC
	9TH	0.04377	643728.50	4250904.30	15.63	15.63	0.00	DC
	10TH	0.03824	643746.80	4250898.30	15.63	15.63	0.00	DC
D50	1ST	1.30711	643820.90	4250883.20	15.66	15.66	0.00	DC
	2ND	0.95485	643846.80	4250898.30	15.65	15.65	0.00	DC
	3RD	0.85272	643807.70	4250883.00	15.63	15.63	0.00	DC
	4TH	0.54524	643818.80	4250846.40	15.71	15.71	0.00	DC
	5TH	0.26959	643846.80	4250798.30	15.78	15.78	0.00	DC
	6TH	0.18101	643846.80	4250998.30	15.63	15.63	0.00	DC
	7TH	0.15550	643768.80	4250845.40	15.63	15.63	0.00	DC
	8TH	0.14774	643912.50	4250828.90	15.97	15.97	0.00	DC
	9TH	0.13710	643746.80	4250898.30	15.63	15.63	0.00	DC

	10TH	0.11986	643746.80	4250998.30	15.63	15.63	0.00	DC
D51	1ST	0.84365	643818.80	4250846.40	15.71	15.71	0.00	DC
	2ND	0.66253	643846.80	4250798.30	15.78	15.78	0.00	DC
	3RD	0.41383	643820.90	4250883.20	15.66	15.66	0.00	DC
	4TH	0.39352	643807.70	4250883.00	15.63	15.63	0.00	DC
	5TH	0.30259	643846.80	4250898.30	15.65	15.65	0.00	DC
	6TH	0.22110	643768.80	4250845.40	15.63	15.63	0.00	DC
	7TH	0.14804	643912.50	4250828.90	15.97	15.97	0.00	DC
	8TH	0.12588	643746.80	4250898.30	15.63	15.63	0.00	DC
	9TH	0.11998	643846.80	4250698.30	15.66	15.66	0.00	DC
	10TH	0.10730	643746.80	4250798.30	15.63	15.63	0.00	DC
D52	1ST	0.65472	643846.80	4250698.30	15.66	15.66	0.00	DC
	2ND	0.29148	643846.80	4250798.30	15.78	15.78	0.00	DC
	3RD	0.16725	643818.80	4250846.40	15.71	15.71	0.00	DC
	4TH	0.14252	643768.80	4250845.40	15.63	15.63	0.00	DC
	5TH	0.12518	643846.80	4250598.30	15.63	15.63	0.00	DC
	6TH	0.12424	643746.80	4250798.30	15.63	15.63	0.00	DC
	7TH	0.11725	643912.50	4250828.90	15.97	15.97	0.00	DC
	8TH	0.11699	643807.70	4250883.00	15.63	15.63	0.00	DC
	9TH	0.11623	643820.90	4250883.20	15.66	15.66	0.00	DC
	10TH	0.10817	643746.80	4250698.30	15.63	15.63	0.00	DC
D53	1ST	0.64244	643846.80	4250598.30	15.63	15.63	0.00	DC
	2ND	0.30446	643846.80	4250698.30	15.66	15.66	0.00	DC
	3RD	0.12471	643746.80	4250698.30	15.63	15.63	0.00	DC
	4TH	0.11910	643846.80	4250498.30	15.89	15.89	0.00	DC
	5TH	0.10596	643746.80	4250598.30	15.71	15.71	0.00	DC
	6TH	0.10013	643846.80	4250798.30	15.78	15.78	0.00	DC
	7TH	0.08894	643746.80	4250798.30	15.63	15.63	0.00	DC
	8TH	0.08785	643946.80	4250598.30	15.80	15.80	0.00	DC
	9TH	0.08468	643946.80	4250698.30	15.93	15.93	0.00	DC
	10TH	0.07496	643946.80	4250498.30	15.73	15.73	0.00	DC
D54	1ST	0.51077	643846.80	4250498.30	15.89	15.89	0.00	DC
	2ND	0.31423	643846.80	4250598.30	15.63	15.63	0.00	DC
	3RD	0.11893	643746.80	4250598.30	15.71	15.71	0.00	DC
	4TH	0.11329	643846.80	4250398.30	15.91	15.91	0.00	DC
	5TH	0.10201	643846.80	4250698.30	15.66	15.66	0.00	DC
	6TH	0.09912	643746.80	4250498.30	15.93	15.93	0.00	DC
	7TH	0.09162	643946.80	4250498.30	15.73	15.73	0.00	DC
	8TH	0.08836	643946.80	4250598.30	15.80	15.80	0.00	DC
	9TH	0.08747	643746.80	4250698.30	15.63	15.63	0.00	DC
	10TH	0.07643	643946.80	4250398.30	15.73	15.73	0.00	DC
D55	1ST	0.48889	643846.80	4250398.30	15.91	15.91	0.00	DC
	2ND	0.30412	643846.80	4250498.30	15.89	15.89	0.00	DC
	3RD	0.11878	643846.80	4250298.30	15.93	15.93	0.00	DC
	4TH	0.11860	643746.80	4250498.30	15.93	15.93	0.00	DC
	5TH	0.10081	643746.80	4250398.30	15.93	15.93	0.00	DC
	6TH	0.09963	643846.80	4250598.30	15.63	15.63	0.00	DC
	7TH	0.09114	643946.80	4250398.30	15.73	15.73	0.00	DC
	8TH	0.08790	643946.80	4250498.30	15.73	15.73	0.00	DC

	9TH	0.08640	643746.80	4250598.30	15.71	15.71	0.00	DC
	10TH	0.07745	643946.80	4250298.30	15.73	15.73	0.00	DC
D56	1ST	0.56192	643846.80	4250298.30	15.93	15.93	0.00	DC
	2ND	0.30754	643846.80	4250398.30	15.91	15.91	0.00	DC
	3RD	0.12099	643746.80	4250398.30	15.93	15.93	0.00	DC
	4TH	0.11757	643846.80	4250198.30	15.93	15.93	0.00	DC
	5TH	0.10224	643746.80	4250298.30	15.93	15.93	0.00	DC
	6TH	0.10061	643846.80	4250498.30	15.89	15.89	0.00	DC
	7TH	0.08984	643946.80	4250298.30	15.73	15.73	0.00	DC
	8TH	0.08782	643746.80	4250498.30	15.93	15.93	0.00	DC
	9TH	0.08667	643946.80	4250398.30	15.73	15.73	0.00	DC
	10TH	0.07618	643946.80	4250198.30	15.73	15.73	0.00	DC
D57	1ST	0.50806	643846.80	4250198.30	15.93	15.93	0.00	DC
	2ND	0.30291	643846.80	4250298.30	15.93	15.93	0.00	DC
	3RD	0.11904	643846.80	4250098.30	15.82	15.82	0.00	DC
	4TH	0.11888	643746.80	4250298.30	15.93	15.93	0.00	DC
	5TH	0.10135	643746.80	4250198.30	15.93	15.93	0.00	DC
	6TH	0.09977	643846.80	4250398.30	15.91	15.91	0.00	DC
	7TH	0.09082	643946.80	4250198.30	15.73	15.73	0.00	DC
	8TH	0.08762	643946.80	4250298.30	15.73	15.73	0.00	DC
	9TH	0.08669	643746.80	4250398.30	15.93	15.93	0.00	DC
	10TH	0.07739	643946.80	4250098.30	15.73	15.73	0.00	DC
D58	1ST	0.56185	643846.80	4250098.30	15.82	15.82	0.00	DC
	2ND	0.36302	643846.80	4250198.30	15.93	15.93	0.00	DC
	3RD	0.14661	643946.80	4250098.30	15.73	15.73	0.00	DC
	4TH	0.13598	643946.80	4250198.30	15.73	15.73	0.00	DC
	5TH	0.11185	643846.80	4250298.30	15.93	15.93	0.00	DC
	6TH	0.09715	643946.80	4249998.30	15.73	15.73	0.00	DC
	7TH	0.09241	643846.80	4249998.30	15.82	15.82	0.00	DC
	8TH	0.08291	643746.80	4250198.30	15.93	15.93	0.00	DC
	9TH	0.07824	643946.80	4250298.30	15.73	15.73	0.00	DC
	10TH	0.06885	643746.80	4250298.30	15.93	15.93	0.00	DC
D59	1ST	0.32045	643946.80	4250098.30	15.73	15.73	0.00	DC
	2ND	0.11112	643946.80	4249898.30	15.73	15.73	0.00	DC
	3RD	0.10492	644046.80	4249998.30	15.90	15.90	0.00	DC
	4TH	0.10471	643846.80	4250098.30	15.82	15.82	0.00	DC
	5TH	0.10295	643946.80	4250198.30	15.73	15.73	0.00	DC
	6TH	0.10011	644046.80	4250098.30	15.73	15.73	0.00	DC
	7TH	0.08615	643846.80	4249998.30	15.82	15.82	0.00	DC
	8TH	0.08481	644046.80	4249898.30	15.93	15.93	0.00	DC
	9TH	0.08141	643846.80	4250198.30	15.93	15.93	0.00	DC
	10TH	0.06643	644046.80	4250198.30	15.73	15.73	0.00	DC
D60	1ST	0.49438	644046.80	4249898.30	15.93	15.93	0.00	DC
	2ND	0.34285	644046.80	4249998.30	15.90	15.90	0.00	DC
	3RD	0.12984	644146.80	4249898.30	15.93	15.93	0.00	DC
	4TH	0.12135	644146.80	4249998.30	15.88	15.88	0.00	DC
	5TH	0.10728	644046.80	4250098.30	15.73	15.73	0.00	DC
	6TH	0.10043	644046.80	4249798.30	15.93	15.93	0.00	DC
	7TH	0.09436	644146.80	4249798.30	15.93	15.93	0.00	DC

	8TH	0.08918	643946.80	4249998.30	15.73	15.73	0.00	DC
	9TH	0.07335	644146.80	4250098.30	15.83	15.83	0.00	DC
	10TH	0.07293	643946.80	4250098.30	15.73	15.73	0.00	DC
D61	1ST	0.62446	644046.80	4249798.30	15.93	15.93	0.00	DC
	2ND	0.28555	644046.80	4249898.30	15.93	15.93	0.00	DC
	3RD	0.15652	643946.80	4249898.30	15.73	15.73	0.00	DC
	4TH	0.13587	643946.80	4249798.30	15.89	15.89	0.00	DC
	5TH	0.12577	644046.80	4249698.30	15.93	15.93	0.00	DC
	6TH	0.09760	644046.80	4249998.30	15.90	15.90	0.00	DC
	7TH	0.09641	643946.80	4249998.30	15.73	15.73	0.00	DC
	8TH	0.07361	644146.80	4249798.30	15.93	15.93	0.00	DC
	9TH	0.07096	644146.80	4249898.30	15.93	15.93	0.00	DC
	10TH	0.06482	644146.80	4249698.30	15.83	15.83	0.00	DC
D62	1ST	0.33036	643946.80	4249798.30	15.89	15.89	0.00	DC
	2ND	0.32781	643946.80	4249698.30	15.92	15.92	0.00	DC
	3RD	0.11327	643846.80	4249798.30	15.79	15.79	0.00	DC
	4TH	0.10796	643946.80	4249598.30	15.78	15.78	0.00	DC
	5TH	0.10426	643946.80	4249898.30	15.73	15.73	0.00	DC
	6TH	0.09756	644046.80	4249698.30	15.93	15.93	0.00	DC
	7TH	0.09351	644046.80	4249798.30	15.93	15.93	0.00	DC
	8TH	0.09164	643846.80	4249698.30	15.73	15.73	0.00	DC
	9TH	0.08577	643846.80	4249898.30	15.74	15.74	0.00	DC
	10TH	0.07897	644046.80	4249598.30	15.83	15.83	0.00	DC
D63	1ST	0.32218	643846.80	4249698.30	15.73	15.73	0.00	DC
	2ND	0.12474	643846.80	4249598.30	15.73	15.73	0.00	DC
	3RD	0.11726	643946.80	4249598.30	15.78	15.78	0.00	DC
	4TH	0.11060	643946.80	4249698.30	15.92	15.92	0.00	DC
	5TH	0.10876	643846.80	4249498.30	15.74	15.74	0.00	DC
	6TH	0.10360	643846.80	4249798.30	15.79	15.79	0.00	DC
	7TH	0.09523	643746.80	4249698.30	15.85	15.85	0.00	DC
	8TH	0.09114	643946.80	4249498.30	15.53	15.53	0.00	DC
	9TH	0.07737	643746.80	4249598.30	15.88	15.88	0.00	DC
	10TH	0.07637	643746.80	4249798.30	15.83	15.83	0.00	DC
D64	1ST	0.31531	643746.80	4249598.30	15.88	15.88	0.00	DC
	2ND	0.10987	643846.80	4249498.30	15.74	15.74	0.00	DC
	3RD	0.10980	643746.80	4249398.30	15.48	15.48	0.00	DC
	4TH	0.10447	643846.80	4249598.30	15.73	15.73	0.00	DC
	5TH	0.10220	643746.80	4249698.30	15.85	15.85	0.00	DC
	6TH	0.09936	643646.80	4249598.30	15.86	15.86	0.00	DC
	7TH	0.08855	643846.80	4249398.30	15.84	15.84	0.00	DC
	8TH	0.08149	643646.80	4249498.30	15.67	15.67	0.00	DC
	9TH	0.07858	643646.80	4249698.30	15.93	15.93	0.00	DC
	10TH	0.06735	643846.80	4249698.30	15.73	15.73	0.00	DC
D65	1ST	0.33022	643646.80	4249498.30	15.67	15.67	0.00	DC
	2ND	0.10597	643646.80	4249298.30	15.01	15.01	0.00	DC
	3RD	0.10574	643546.80	4249498.30	15.25	15.25	0.00	DC
	4TH	0.10456	643646.80	4249598.30	15.86	15.86	0.00	DC
	5TH	0.10432	643746.80	4249398.30	15.48	15.48	0.00	DC
	6TH	0.09957	643746.80	4249498.30	15.93	15.93	0.00	DC

	7TH	0.08504	643546.80	4249398.30	15.07	15.07	0.00	DC
	8TH	0.08238	643546.80	4249598.30	15.38	15.38	0.00	DC
	9TH	0.08132	643746.80	4249298.30	14.46	14.46	0.00	DC
	10TH	0.06680	643746.80	4249598.30	15.88	15.88	0.00	DC
D66	1ST	0.88691	643546.80	4249298.30	14.94	14.94	0.00	DC
	2ND	0.37433	643546.80	4249398.30	15.07	15.07	0.00	DC
	3RD	0.13231	643446.80	4249398.30	14.63	14.63	0.00	DC
	4TH	0.11170	643546.80	4249498.30	15.25	15.25	0.00	DC
	5TH	0.09784	643446.80	4249298.30	14.47	14.47	0.00	DC
	6TH	0.09648	643546.80	4249198.30	14.72	14.72	0.00	DC
	7TH	0.09634	643446.80	4249498.30	14.80	14.80	0.00	DC
	8TH	0.08741	643646.80	4249298.30	15.01	15.01	0.00	DC
	9TH	0.08318	643646.80	4249398.30	15.48	15.48	0.00	DC
	10TH	0.06875	643646.80	4249198.30	14.60	14.60	0.00	DC
D67	1ST	0.73622	643446.80	4249198.30	14.43	14.43	0.00	DC
	2ND	0.41464	643446.80	4249298.30	14.47	14.47	0.00	DC
	3RD	0.15272	643346.80	4249298.30	14.38	14.38	0.00	DC
	4TH	0.11872	643446.80	4249398.30	14.63	14.63	0.00	DC
	5TH	0.10645	643346.80	4249398.30	14.33	14.33	0.00	DC
	6TH	0.10295	643346.80	4249198.30	14.32	14.32	0.00	DC
	7TH	0.08783	643446.80	4249098.30	14.43	14.43	0.00	DC
	8TH	0.08015	643546.80	4249198.30	14.72	14.72	0.00	DC
	9TH	0.07527	643546.80	4249298.30	14.94	14.94	0.00	DC
	10TH	0.06235	643546.80	4249398.30	15.07	15.07	0.00	DC
D68	1ST	0.79575	643346.80	4249198.30	14.32	14.32	0.00	DC
	2ND	0.36349	643346.80	4249098.30	14.33	14.33	0.00	DC
	3RD	0.16005	643346.80	4249298.30	14.38	14.38	0.00	DC
	4TH	0.12563	643246.80	4249198.30	14.16	14.16	0.00	DC
	5TH	0.10514	643246.80	4249298.30	14.22	14.22	0.00	DC
	6TH	0.09125	643446.80	4249098.30	14.43	14.43	0.00	DC
	7TH	0.08730	643446.80	4249198.30	14.43	14.43	0.00	DC
	8TH	0.07688	643446.80	4249298.30	14.47	14.47	0.00	DC
	9TH	0.07029	643246.80	4249098.30	14.37	14.37	0.00	DC
	10TH	0.06911	643346.80	4249398.30	14.33	14.33	0.00	DC
D69	1ST	1.13355	643246.80	4249098.30	14.37	14.37	0.00	DC
	2ND	0.26093	643246.80	4249198.30	14.16	14.16	0.00	DC
	3RD	0.13213	643246.80	4248998.30	14.51	14.51	0.00	DC
	4TH	0.12702	643346.80	4249098.30	14.33	14.33	0.00	DC
	5TH	0.11544	643346.80	4249198.30	14.32	14.32	0.00	DC
	6TH	0.10783	643346.80	4248998.30	14.51	14.51	0.00	DC
	7TH	0.09294	643246.80	4249298.30	14.22	14.22	0.00	DC
	8TH	0.08417	643146.80	4249198.30	14.19	14.19	0.00	DC
	9TH	0.07423	643146.80	4249098.30	14.43	14.43	0.00	DC
	10TH	0.06859	643146.80	4249298.30	14.09	14.09	0.00	DC
D70	1ST	0.30729	643146.80	4249098.30	14.43	14.43	0.00	DC
	2ND	0.11283	643146.80	4248898.30	16.29	16.29	0.00	DC
	3RD	0.10839	643246.80	4248998.30	14.51	14.51	0.00	DC
	4TH	0.10269	643246.80	4249098.30	14.37	14.37	0.00	DC
	5TH	0.10043	643146.80	4249198.30	14.19	14.19	0.00	DC

	6TH	0.10035	643046.80	4249098.30	14.46	14.46	0.00	DC
	7TH	0.08832	643246.80	4248898.30	14.45	14.45	0.00	DC
	8TH	0.08402	643046.80	4248998.30	14.54	14.54	0.00	DC
	9TH	0.07863	643046.80	4249198.30	14.31	14.31	0.00	DC
	10TH	0.06628	643246.80	4249198.30	14.16	14.16	0.00	DC
D71	1ST	0.32006	643046.80	4248998.30	14.54	14.54	0.00	DC
	2ND	0.10863	643046.80	4248798.30	16.26	18.59	0.00	DC
	3RD	0.10608	643146.80	4248898.30	16.29	16.29	0.00	DC
	4TH	0.10289	643046.80	4249098.30	14.46	14.46	0.00	DC
	5TH	0.10232	642946.80	4248998.30	14.55	14.55	0.00	DC
	6TH	0.10207	643146.80	4248998.30	14.53	14.53	0.00	DC
	7TH	0.08604	643146.80	4248798.30	15.42	15.42	0.00	DC
	8TH	0.08295	642946.80	4248898.30	14.21	14.21	0.00	DC
	9TH	0.08012	642946.80	4249098.30	14.47	14.47	0.00	DC
	10TH	0.06695	643146.80	4249098.30	14.43	14.43	0.00	DC
D72	1ST	0.11829	643746.80	4250898.30	15.63	15.63	0.00	DC
	2ND	0.08049	643768.80	4250845.40	15.63	15.63	0.00	DC
	3RD	0.07647	643807.70	4250883.00	15.63	15.63	0.00	DC
	4TH	0.06058	643728.50	4250904.30	15.63	15.63	0.00	DC
	5TH	0.05484	643818.80	4250846.40	15.71	15.71	0.00	DC
	6TH	0.05124	643820.90	4250883.20	15.66	15.66	0.00	DC
	7TH	0.03610	643746.80	4250998.30	15.63	15.63	0.00	DC
	8TH	0.02781	643707.70	4250881.20	15.63	15.63	0.00	DC
	9TH	0.02669	643846.80	4250898.30	15.65	15.65	0.00	DC
	10TH	0.02241	643846.80	4250798.30	15.78	15.78	0.00	DC
D73	1ST	0.11890	643707.70	4250881.20	15.63	15.63	0.00	DC
	2ND	0.06999	643728.50	4250904.30	15.63	15.63	0.00	DC
	3RD	0.06662	643646.80	4250898.30	15.63	15.63	0.00	DC
	4TH	0.05769	643668.90	4250843.40	15.63	15.63	0.00	DC
	5TH	0.05408	643666.20	4250843.30	15.63	15.63	0.00	DC
	6TH	0.03834	643746.80	4250898.30	15.63	15.63	0.00	DC
	7TH	0.03355	643646.80	4250998.30	15.63	15.63	0.00	DC
	8TH	0.02772	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.02480	643746.80	4250998.30	15.63	15.63	0.00	DC
	10TH	0.02450	643768.80	4250845.40	15.63	15.63	0.00	DC
D74	1ST	0.12965	643667.40	4250746.00	15.63	15.63	0.00	DC
	2ND	0.07852	643666.20	4250843.30	15.63	15.63	0.00	DC
	3RD	0.07687	643668.90	4250843.40	15.63	15.63	0.00	DC
	4TH	0.03752	643607.80	4250879.50	15.63	15.63	0.00	DC
	5TH	0.03479	643646.80	4250898.30	15.63	15.63	0.00	DC
	6TH	0.03012	643707.70	4250881.20	15.63	15.63	0.00	DC
	7TH	0.01980	643728.50	4250904.30	15.63	15.63	0.00	DC
	8TH	0.01869	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.01765	643746.80	4250698.30	15.63	15.63	0.00	DC
	10TH	0.01654	643746.80	4250898.30	15.63	15.63	0.00	DC
D75	1ST	0.10914	643668.60	4250646.00	15.63	15.63	0.00	DC
	2ND	0.05074	643669.30	4250586.30	15.74	15.74	0.00	DC
	3RD	0.04544	643667.40	4250746.00	15.63	15.63	0.00	DC
	4TH	0.03067	643629.00	4250585.50	15.74	15.74	0.00	DC

	5TH	0.01929	643746.80	4250598.30	15.71	15.71	0.00	DC
	6TH	0.01901	643746.80	4250698.30	15.63	15.63	0.00	DC
	7TH	0.01578	643666.20	4250843.30	15.63	15.63	0.00	DC
	8TH	0.01566	643668.90	4250843.40	15.63	15.63	0.00	DC
	9TH	0.01429	643746.80	4250798.30	15.63	15.63	0.00	DC
	10TH	0.01245	643607.80	4250879.50	15.63	15.63	0.00	DC
D76	1ST	0.05951	643529.00	4250583.60	15.84	15.84	0.00	DC
	2ND	0.02911	643605.30	4250526.20	15.93	15.93	0.00	DC
	3RD	0.02786	643629.00	4250585.50	15.74	15.74	0.00	DC
	4TH	0.01571	643546.80	4250498.30	15.93	15.93	0.00	DC
	5TH	0.01441	643646.80	4250498.30	15.93	15.93	0.00	DC
	6TH	0.01398	643669.30	4250586.30	15.74	15.74	0.00	DC
	7TH	0.01297	643668.60	4250646.00	15.63	15.63	0.00	DC
	8TH	0.01221	643667.40	4250746.00	15.63	15.63	0.00	DC
	9TH	0.00985	643507.80	4250877.80	15.63	15.63	0.00	DC
	10TH	0.00861	643546.80	4250898.30	15.63	15.63	0.00	DC
D77	1ST	0.03246	643529.00	4250583.60	15.84	15.84	0.00	DC
	2ND	0.01651	643429.00	4250581.60	15.92	15.92	0.00	DC
	3RD	0.01342	643373.60	4250676.90	15.92	15.92	0.00	DC
	4TH	0.01335	643407.80	4250876.00	15.63	15.63	0.00	DC
	5TH	0.01275	643507.80	4250877.80	15.63	15.63	0.00	DC
	6TH	0.01199	643446.80	4250898.30	15.63	15.63	0.00	DC
	7TH	0.01141	643402.40	4250581.10	15.93	15.93	0.00	DC
	8TH	0.01032	643546.80	4250498.30	15.93	15.93	0.00	DC
	9TH	0.01024	643344.70	4250772.60	15.92	15.92	0.00	DC
	10TH	0.00977	643546.80	4250898.30	15.63	15.63	0.00	DC
D78	1ST	0.03140	643429.00	4250581.60	15.92	15.92	0.00	DC
	2ND	0.02500	643529.00	4250583.60	15.84	15.84	0.00	DC
	3RD	0.02380	643373.60	4250676.90	15.92	15.92	0.00	DC
	4TH	0.01976	643402.40	4250581.10	15.93	15.93	0.00	DC
	5TH	0.01514	643346.80	4250698.30	15.93	15.93	0.00	DC
	6TH	0.01327	643344.70	4250772.60	15.92	15.92	0.00	DC
	7TH	0.01237	643407.80	4250876.00	15.63	15.63	0.00	DC
	8TH	0.01111	643546.80	4250498.30	15.93	15.93	0.00	DC
	9TH	0.01054	643446.80	4250898.30	15.63	15.63	0.00	DC
	10TH	0.01046	643507.80	4250877.80	15.63	15.63	0.00	DC
D79	1ST	0.05753	643529.00	4250583.60	15.84	15.84	0.00	DC
	2ND	0.03355	643605.30	4250526.20	15.93	15.93	0.00	DC
	3RD	0.03091	643629.00	4250585.50	15.74	15.74	0.00	DC
	4TH	0.01694	643546.80	4250498.30	15.93	15.93	0.00	DC
	5TH	0.01586	643646.80	4250498.30	15.93	15.93	0.00	DC
	6TH	0.01493	643669.30	4250586.30	15.74	15.74	0.00	DC
	7TH	0.01398	643668.60	4250646.00	15.63	15.63	0.00	DC
	8TH	0.01259	643667.40	4250746.00	15.63	15.63	0.00	DC
	9TH	0.00946	643507.80	4250877.80	15.63	15.63	0.00	DC
	10TH	0.00834	643546.80	4250898.30	15.63	15.63	0.00	DC
D80	1ST	0.10510	643668.60	4250646.00	15.63	15.63	0.00	DC
	2ND	0.08511	643667.40	4250746.00	15.63	15.63	0.00	DC
	3RD	0.02219	643669.30	4250586.30	15.74	15.74	0.00	DC

	4TH	0.02179	643666.20	4250843.30	15.63	15.63	0.00	DC
	5TH	0.02162	643668.90	4250843.40	15.63	15.63	0.00	DC
	6TH	0.02015	643746.80	4250698.30	15.63	15.63	0.00	DC
	7TH	0.01809	643746.80	4250598.30	15.71	15.71	0.00	DC
	8TH	0.01786	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.01695	643629.00	4250585.50	15.74	15.74	0.00	DC
	10TH	0.01599	643607.80	4250879.50	15.63	15.63	0.00	DC
D81	1ST	0.23143	643666.20	4250843.30	15.63	15.63	0.00	DC
	2ND	0.22675	643668.90	4250843.40	15.63	15.63	0.00	DC
	3RD	0.07103	643646.80	4250898.30	15.63	15.63	0.00	DC
	4TH	0.05150	643707.70	4250881.20	15.63	15.63	0.00	DC
	5TH	0.04382	643607.80	4250879.50	15.63	15.63	0.00	DC
	6TH	0.03110	643667.40	4250746.00	15.63	15.63	0.00	DC
	7TH	0.02908	643728.50	4250904.30	15.63	15.63	0.00	DC
	8TH	0.02239	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.02139	643746.80	4250898.30	15.63	15.63	0.00	DC
	10TH	0.01976	643646.80	4250998.30	15.63	15.63	0.00	DC
D82	1ST	0.17235	643707.70	4250881.20	15.63	15.63	0.00	DC
	2ND	0.11605	643728.50	4250904.30	15.63	15.63	0.00	DC
	3RD	0.10361	643746.80	4250898.30	15.63	15.63	0.00	DC
	4TH	0.06102	643746.80	4250798.30	15.63	15.63	0.00	DC
	5TH	0.05553	643768.80	4250845.40	15.63	15.63	0.00	DC
	6TH	0.03362	643668.90	4250843.40	15.63	15.63	0.00	DC
	7TH	0.03130	643666.20	4250843.30	15.63	15.63	0.00	DC
	8TH	0.02681	643646.80	4250898.30	15.63	15.63	0.00	DC
	9TH	0.02448	643746.80	4250998.30	15.63	15.63	0.00	DC
	10TH	0.02126	643807.70	4250883.00	15.63	15.63	0.00	DC
D83	1ST	0.13665	643807.70	4250883.00	15.63	15.63	0.00	DC
	2ND	0.08164	643818.80	4250846.40	15.71	15.71	0.00	DC
	3RD	0.07856	643768.80	4250845.40	15.63	15.63	0.00	DC
	4TH	0.07801	643820.90	4250883.20	15.66	15.66	0.00	DC
	5TH	0.07415	643746.80	4250898.30	15.63	15.63	0.00	DC
	6TH	0.04260	643728.50	4250904.30	15.63	15.63	0.00	DC
	7TH	0.03626	643846.80	4250898.30	15.65	15.65	0.00	DC
	8TH	0.03053	643746.80	4250998.30	15.63	15.63	0.00	DC
	9TH	0.02951	643846.80	4250798.30	15.78	15.78	0.00	DC
	10TH	0.02252	643707.70	4250881.20	15.63	15.63	0.00	DC
D84	1ST	0.07165	643807.70	4250883.00	15.63	15.63	0.00	DC
	2ND	0.06456	643746.80	4250898.30	15.63	15.63	0.00	DC
	3RD	0.05266	643768.80	4250845.40	15.63	15.63	0.00	DC
	4TH	0.04982	643818.80	4250846.40	15.71	15.71	0.00	DC
	5TH	0.04635	643820.90	4250883.20	15.66	15.66	0.00	DC
	6TH	0.03495	643728.50	4250904.30	15.63	15.63	0.00	DC
	7TH	0.02514	643746.80	4250998.30	15.63	15.63	0.00	DC
	8TH	0.02298	643846.80	4250898.30	15.65	15.65	0.00	DC
	9TH	0.01835	643846.80	4250798.30	15.78	15.78	0.00	DC
	10TH	0.01719	643707.70	4250881.20	15.63	15.63	0.00	DC
D85	1ST	0.07403	643646.80	4250898.30	15.63	15.63	0.00	DC
	2ND	0.06289	643707.70	4250881.20	15.63	15.63	0.00	DC

	3RD	0.05431	643668.90	4250843.40	15.63	15.63	0.00	DC
	4TH	0.05138	643666.20	4250843.30	15.63	15.63	0.00	DC
	5TH	0.03488	643728.50	4250904.30	15.63	15.63	0.00	DC
	6TH	0.02544	643646.80	4250998.30	15.63	15.63	0.00	DC
	7TH	0.02112	643746.80	4250898.30	15.63	15.63	0.00	DC
	8TH	0.01852	643607.80	4250879.50	15.63	15.63	0.00	DC
	9TH	0.01745	643746.80	4250798.30	15.63	15.63	0.00	DC
	10TH	0.01586	643746.80	4250998.30	15.63	15.63	0.00	DC
D86	1ST	0.08827	643666.20	4250843.30	15.63	15.63	0.00	DC
	2ND	0.08583	643668.90	4250843.40	15.63	15.63	0.00	DC
	3RD	0.04907	643667.40	4250746.00	15.63	15.63	0.00	DC
	4TH	0.03320	643646.80	4250898.30	15.63	15.63	0.00	DC
	5TH	0.03127	643607.80	4250879.50	15.63	15.63	0.00	DC
	6TH	0.02698	643707.70	4250881.20	15.63	15.63	0.00	DC
	7TH	0.01672	643728.50	4250904.30	15.63	15.63	0.00	DC
	8TH	0.01442	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.01333	643746.80	4250898.30	15.63	15.63	0.00	DC
	10TH	0.01173	643746.80	4250698.30	15.63	15.63	0.00	DC
D87	1ST	0.10602	643668.60	4250646.00	15.63	15.63	0.00	DC
	2ND	0.04580	643667.40	4250746.00	15.63	15.63	0.00	DC
	3RD	0.02237	643669.30	4250586.30	15.74	15.74	0.00	DC
	4TH	0.01596	643629.00	4250585.50	15.74	15.74	0.00	DC
	5TH	0.01366	643666.20	4250843.30	15.63	15.63	0.00	DC
	6TH	0.01355	643668.90	4250843.40	15.63	15.63	0.00	DC
	7TH	0.01350	643746.80	4250698.30	15.63	15.63	0.00	DC
	8TH	0.01324	643746.80	4250598.30	15.71	15.71	0.00	DC
	9TH	0.01151	643746.80	4250798.30	15.63	15.63	0.00	DC
	10TH	0.01047	643607.80	4250879.50	15.63	15.63	0.00	DC
D88	1ST	0.06356	643629.00	4250585.50	15.74	15.74	0.00	DC
	2ND	0.02985	643668.60	4250646.00	15.63	15.63	0.00	DC
	3RD	0.02912	643669.30	4250586.30	15.74	15.74	0.00	DC
	4TH	0.01916	643667.40	4250746.00	15.63	15.63	0.00	DC
	5TH	0.01305	643605.30	4250526.20	15.93	15.93	0.00	DC
	6TH	0.01042	643646.80	4250498.30	15.93	15.93	0.00	DC
	7TH	0.00951	643529.00	4250583.60	15.84	15.84	0.00	DC
	8TH	0.00874	643666.20	4250843.30	15.63	15.63	0.00	DC
	9TH	0.00864	643668.90	4250843.40	15.63	15.63	0.00	DC
	10TH	0.00791	643746.80	4250598.30	15.71	15.71	0.00	DC
D89	1ST	0.05464	643529.00	4250583.60	15.84	15.84	0.00	DC
	2ND	0.01882	643605.30	4250526.20	15.93	15.93	0.00	DC
	3RD	0.01666	643629.00	4250585.50	15.74	15.74	0.00	DC
	4TH	0.01176	643546.80	4250498.30	15.93	15.93	0.00	DC
	5TH	0.00943	643646.80	4250498.30	15.93	15.93	0.00	DC
	6TH	0.00886	643669.30	4250586.30	15.74	15.74	0.00	DC
	7TH	0.00821	643668.60	4250646.00	15.63	15.63	0.00	DC
	8TH	0.00797	643667.40	4250746.00	15.63	15.63	0.00	DC
	9TH	0.00721	643507.80	4250877.80	15.63	15.63	0.00	DC
	10TH	0.00675	643429.00	4250581.60	15.92	15.92	0.00	DC
D90	1ST	0.02854	643529.00	4250583.60	15.84	15.84	0.00	DC

	2ND	0.01308	643429.00	4250581.60	15.92	15.92	0.00	DC
	3RD	0.00971	643373.60	4250676.90	15.92	15.92	0.00	DC
	4TH	0.00898	643407.80	4250876.00	15.63	15.63	0.00	DC
	5TH	0.00869	643402.40	4250581.10	15.93	15.93	0.00	DC
	6TH	0.00864	643507.80	4250877.80	15.63	15.63	0.00	DC
	7TH	0.00847	643546.80	4250498.30	15.93	15.93	0.00	DC
	8TH	0.00810	643446.80	4250898.30	15.63	15.63	0.00	DC
	9TH	0.00727	643605.30	4250526.20	15.93	15.93	0.00	DC
	10TH	0.00707	643344.70	4250772.60	15.92	15.92	0.00	DC
D91	1ST	0.02317	643429.00	4250581.60	15.92	15.92	0.00	DC
	2ND	0.02070	643529.00	4250583.60	15.84	15.84	0.00	DC
	3RD	0.01578	643373.60	4250676.90	15.92	15.92	0.00	DC
	4TH	0.01407	643402.40	4250581.10	15.93	15.93	0.00	DC
	5TH	0.01021	643346.80	4250698.30	15.93	15.93	0.00	DC
	6TH	0.00890	643344.70	4250772.60	15.92	15.92	0.00	DC
	7TH	0.00880	643546.80	4250498.30	15.93	15.93	0.00	DC
	8TH	0.00858	643407.80	4250876.00	15.63	15.63	0.00	DC
	9TH	0.00788	643446.80	4250498.30	15.93	15.93	0.00	DC
	10TH	0.00744	643507.80	4250877.80	15.63	15.63	0.00	DC
D92	1ST	0.03545	643529.00	4250583.60	15.84	15.84	0.00	DC
	2ND	0.02540	643629.00	4250585.50	15.74	15.74	0.00	DC
	3RD	0.02537	643605.30	4250526.20	15.93	15.93	0.00	DC
	4TH	0.01217	643646.80	4250498.30	15.93	15.93	0.00	DC
	5TH	0.01191	643546.80	4250498.30	15.93	15.93	0.00	DC
	6TH	0.01180	643669.30	4250586.30	15.74	15.74	0.00	DC
	7TH	0.01109	643668.60	4250646.00	15.63	15.63	0.00	DC
	8TH	0.00972	643667.40	4250746.00	15.63	15.63	0.00	DC
	9TH	0.00688	643507.80	4250877.80	15.63	15.63	0.00	DC
	10TH	0.00615	643607.80	4250879.50	15.63	15.63	0.00	DC
D93	1ST	0.16430	643668.60	4250646.00	15.63	15.63	0.00	DC
	2ND	0.05962	643669.30	4250586.30	15.74	15.74	0.00	DC
	3RD	0.02769	643629.00	4250585.50	15.74	15.74	0.00	DC
	4TH	0.02639	643667.40	4250746.00	15.63	15.63	0.00	DC
	5TH	0.01568	643746.80	4250598.30	15.71	15.71	0.00	DC
	6TH	0.01519	643746.80	4250698.30	15.63	15.63	0.00	DC
	7TH	0.01010	643666.20	4250843.30	15.63	15.63	0.00	DC
	8TH	0.01004	643668.90	4250843.40	15.63	15.63	0.00	DC
	9TH	0.00981	643746.80	4250798.30	15.63	15.63	0.00	DC
	10TH	0.00932	643746.80	4250498.30	15.93	15.93	0.00	DC
D94	1ST	0.07735	643666.20	4250843.30	15.63	15.63	0.00	DC
	2ND	0.07609	643668.90	4250843.40	15.63	15.63	0.00	DC
	3RD	0.05691	643667.40	4250746.00	15.63	15.63	0.00	DC
	4TH	0.03002	643646.80	4250898.30	15.63	15.63	0.00	DC
	5TH	0.02723	643607.80	4250879.50	15.63	15.63	0.00	DC
	6TH	0.02694	643707.70	4250881.20	15.63	15.63	0.00	DC
	7TH	0.01694	643728.50	4250904.30	15.63	15.63	0.00	DC
	8TH	0.01551	643746.80	4250798.30	15.63	15.63	0.00	DC
	9TH	0.01386	643746.80	4250898.30	15.63	15.63	0.00	DC
	10TH	0.01304	643746.80	4250698.30	15.63	15.63	0.00	DC

D95	1ST	0.13841	643707.70	4250881.20	15.63	15.63	0.00	DC
	2ND	0.08179	643728.50	4250904.30	15.63	15.63	0.00	DC
	3RD	0.06726	643746.80	4250898.30	15.63	15.63	0.00	DC
	4TH	0.04311	643746.80	4250798.30	15.63	15.63	0.00	DC
	5TH	0.03542	643768.80	4250845.40	15.63	15.63	0.00	DC
	6TH	0.02779	643668.90	4250843.40	15.63	15.63	0.00	DC
	7TH	0.02577	643666.20	4250843.30	15.63	15.63	0.00	DC
	8TH	0.02164	643646.80	4250898.30	15.63	15.63	0.00	DC
	9TH	0.01744	643746.80	4250998.30	15.63	15.63	0.00	DC
	10TH	0.01542	643646.80	4250998.30	15.63	15.63	0.00	DC
D96	1ST	0.07631	643807.70	4250883.00	15.63	15.63	0.00	DC
	2ND	0.06618	643746.80	4250898.30	15.63	15.63	0.00	DC
	3RD	0.06342	643768.80	4250845.40	15.63	15.63	0.00	DC
	4TH	0.04918	643818.80	4250846.40	15.71	15.71	0.00	DC
	5TH	0.04575	643820.90	4250883.20	15.66	15.66	0.00	DC
	6TH	0.03647	643728.50	4250904.30	15.63	15.63	0.00	DC
	7TH	0.02263	643846.80	4250898.30	15.65	15.65	0.00	DC
	8TH	0.02254	643746.80	4250998.30	15.63	15.63	0.00	DC
	9TH	0.01955	643846.80	4250798.30	15.78	15.78	0.00	DC
	10TH	0.01885	643707.70	4250881.20	15.63	15.63	0.00	DC
			643607.80	4250879.50	15.63	15.63	0.00	DC
	2ND	9.38451	643667.40	4250746.00	15.63	15.63	0.00	DC
	3RD	7.58073	643666.20	4250843.30	15.63	15.63	0.00	DC
	4TH	7.33134	643668.90	4250843.40	15.63	15.63	0.00	DC
	5TH	7.14153	643668.60	4250646.00	15.63	15.63	0.00	DC
	6TH	6.65868	643646.80	4250898.30	15.63	15.63	0.00	DC
	7TH	6.52903	643546.80	4250898.30	15.63	15.63	0.00	DC
	8TH	6.18302	643507.80	4250877.80	15.63	15.63	0.00	DC
	9TH	5.88417	643629.00	4250585.50	15.74	15.74	0.00	DC
	10TH	5.62685	643529.00	4250583.60	15.84	15.84	0.00	DC

Highest Results of Pollutant: OTHER

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	D1	1ST	Avg. Conc.	2.29161	ug/m**3	17121607	643605.30	4250526.20	15.93	15.93	0.00	DC	
	D2	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D3	1ST		0.73437		18052819	643546.80	4250498.30	15.93	15.93	0.00	DC	
	D4	1ST		2.96742		18060921	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D5	1ST		26.54699		17013109	643846.80	4250198.30	15.93	15.93	0.00	DC	
	D6	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D7	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D97	1ST		2.97319		14101504	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D100	1ST		67.83719		18100120	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D9	1ST		143.04563		14011509	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D10	1ST		74.48028		14011009	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D11	1ST		88.84905		14060406	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D8	1ST		80.54050		14011009	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D98	1ST		10.27381		14121409	643507.80	4250877.80	15.63	15.63	0.00	DC	
	D99	1ST		12.98701		14011709	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D12	1ST		5.20349		15030708	643768.80	4250845.40	15.63	15.63	0.00	DC	

	D13	1ST		3.86832		16030908	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D14	1ST		9.30133		15102308	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D15	1ST		3.67836		18120921	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D16	1ST		6.82613		18012809	643668.90	4250843.40	15.63	15.63	0.00	DC	
	D17	1ST		4.10699		17122309	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D18	1ST		9.90468		15012909	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D19	1ST		9.86218		15022109	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D50	1ST		19.08942		18012809	643818.80	4250846.40	15.71	15.71	0.00	DC	
	D51	1ST		26.19579		15011110	643846.80	4250798.30	15.78	15.78	0.00	DC	
1-HR	D52	1ST	Avg. Conc.	23.57431	ug/m**3	14102808	643846.80	4250698.30	15.66	15.66	0.00	DC	
	D53	1ST		26.97175		15011110	643846.80	4250598.30	15.63	15.63	0.00	DC	
	D54	1ST		27.97678		15102308	643846.80	4250498.30	15.89	15.89	0.00	DC	
	D55	1ST		27.05367		17013109	643846.80	4250398.30	15.91	15.91	0.00	DC	
	D56	1ST		27.81176		15011110	643846.80	4250298.30	15.93	15.93	0.00	DC	
	D57	1ST		26.54569		17013109	643846.80	4250198.30	15.93	15.93	0.00	DC	
	D58	1ST		16.57675		14012809	643846.80	4250098.30	15.82	15.82	0.00	DC	
	D59	1ST		5.06921		14021123	643946.80	4250098.30	15.73	15.73	0.00	DC	
	D60	1ST		25.36788		18041907	644046.80	4249898.30	15.93	15.93	0.00	DC	
	D61	1ST		13.01622		16090707	644046.80	4249798.30	15.93	15.93	0.00	DC	
	D62	1ST		30.23169		15102308	643946.80	4249698.30	15.92	15.92	0.00	DC	
	D63	1ST		17.28677		15011310	643846.80	4249598.30	15.73	15.73	0.00	DC	
	D64	1ST		5.07577		15021405	643746.80	4249598.30	15.88	15.88	0.00	DC	
	D65	1ST		7.77060		15111909	643646.80	4249398.30	15.48	15.48	0.00	DC	
	D66	1ST		18.89426		14012009	643546.80	4249298.30	14.94	14.94	0.00	DC	
	D67	1ST		12.87002		14012109	643446.80	4249198.30	14.43	14.43	0.00	DC	
	D68	1ST		9.12956		17111808	643346.80	4249098.30	14.33	14.33	0.00	DC	
	D69	1ST		18.61892		14120909	643246.80	4249098.30	14.37	14.37	0.00	DC	
	D70	1ST		5.02544		18022424	643146.80	4248898.30	16.29	16.29	0.00	DC	
	D71	1ST		5.08575		14021123	643046.80	4248998.30	14.54	14.54	0.00	DC	
	D72	1ST		2.26932		14021109	643768.80	4250845.40	15.63	15.63	0.00	DC	
	D73	1ST		2.89964		17121109	643707.70	4250881.20	15.63	15.63	0.00	DC	
	D74	1ST		2.30288		18121309	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D75	1ST		3.73897		17121109	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D76	1ST		1.92630		17061806	643529.00	4250583.60	15.84	15.84	0.00	DC	
1-HR	D77	1ST	Avg. Conc.	0.84669	ug/m**3	15021119	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D78	1ST		1.29392		16111408	643429.00	4250581.60	15.92	15.92	0.00	DC	
	D79	1ST		1.86064		14010809	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D80	1ST		1.93215		18110208	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D81	1ST		2.60612		15121209	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D82	1ST		1.87139		18011909	643707.70	4250881.20	15.63	15.63	0.00	DC	
	D83	1ST		2.66667		17121509	643768.80	4250845.40	15.63	15.63	0.00	DC	
	D84	1ST		1.61702		15030708	643768.80	4250845.40	15.63	15.63	0.00	DC	
	D85	1ST		1.55098		18030708	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D86	1ST		1.16865		18122209	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D87	1ST		2.07440		15011210	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D88	1ST		1.20329		15030508	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D89	1ST		1.64079		18012809	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D90	1ST		0.70960		16121722	643529.00	4250583.60	15.84	15.84	0.00	DC	

	D91	1ST		0.95420		16021506	643429.00	4250581.60	15.92	15.92	0.00	DC	
	D92	1ST		1.19358		16120421	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D93	1ST		2.08122		18120709	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D94	1ST		1.27097		18013009	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D95	1ST		1.30778		17061306	643707.70	4250881.20	15.63	15.63	0.00	DC	
	D96	1ST		2.48300		18012809	643768.80	4250845.40	15.63	15.63	0.00	DC	
						14011509	643529.00	4250583.60	15.84	15.84	0.00	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
8	Warning Message(s)
1576	Informational Message(s)
43680	Hours Were Processed
643	Calm Hours Identified
933	Missing Hours Identified (2.14 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	ME	W186	THRESH_1MIN 1-min ASOS wind speed threshold used 0.50

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BREEZE AERMOD Model Results

Highest Results of Pollutant: OTHER

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	D1	1ST	Avg. Conc.	0.84690	ug/m**3	17121607	643605.30	4250526.20	15.93	15.93	0.00	DC	
	D2	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D3	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D4	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D5	1ST		0.12285		17013109	643846.80	4250198.30	15.93	15.93	0.00	DC	
	D6	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D7	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D97	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D100	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D9	1ST		2.92986		14011509	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D10	1ST		1.46562		14011009	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D11	1ST		1.18918		14060406	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D8	1ST		1.69239		14011009	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D98	1ST		0.15614		14121409	643507.80	4250877.80	15.63	15.63	0.00	DC	
	D99	1ST		0.16736		14011709	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D12	1ST		0.02531		15030708	643768.80	4250845.40	15.63	15.63	0.00	DC	
	D13	1ST		0.01882		16030908	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D14	1ST		0.04525		15102308	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D15	1ST		0.01789		18120921	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D16	1ST		0.03321		18012809	643668.90	4250843.40	15.63	15.63	0.00	DC	
	D17	1ST		0.01998		17122309	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D18	1ST		0.04818		15012909	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D19	1ST		0.04798		15022109	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D50	1ST		0.08834		18012809	643818.80	4250846.40	15.71	15.71	0.00	DC	
	D51	1ST		0.12123		15011110	643846.80	4250798.30	15.78	15.78	0.00	DC	
1-HR	D52	1ST	Avg. Conc.	0.10910	ug/m**3	14102808	643846.80	4250698.30	15.66	15.66	0.00	DC	
	D53	1ST		0.12482		15011110	643846.80	4250598.30	15.63	15.63	0.00	DC	
	D54	1ST		0.12947		15102308	643846.80	4250498.30	15.89	15.89	0.00	DC	
	D55	1ST		0.12520		17013109	643846.80	4250398.30	15.91	15.91	0.00	DC	
	D56	1ST		0.12871		15011110	643846.80	4250298.30	15.93	15.93	0.00	DC	
	D57	1ST		0.12285		17013109	643846.80	4250198.30	15.93	15.93	0.00	DC	
	D58	1ST		0.07671		14012809	643846.80	4250098.30	15.82	15.82	0.00	DC	
	D59	1ST		0.02346		14021123	643946.80	4250098.30	15.73	15.73	0.00	DC	
	D60	1ST		0.11740		18041907	644046.80	4249898.30	15.93	15.93	0.00	DC	
	D61	1ST		0.06024		16090707	644046.80	4249798.30	15.93	15.93	0.00	DC	
	D62	1ST		0.13991		15102308	643946.80	4249698.30	15.92	15.92	0.00	DC	
	D63	1ST		0.08000		15011310	643846.80	4249598.30	15.73	15.73	0.00	DC	
	D64	1ST		0.02349		15021405	643746.80	4249598.30	15.88	15.88	0.00	DC	
	D65	1ST		0.03596		15111909	643646.80	4249398.30	15.48	15.48	0.00	DC	
	D66	1ST		0.08744		14012009	643546.80	4249298.30	14.94	14.94	0.00	DC	
	D67	1ST		0.05956		14012109	643446.80	4249198.30	14.43	14.43	0.00	DC	
	D68	1ST		0.04225		17111808	643346.80	4249098.30	14.33	14.33	0.00	DC	

	D69	1ST		0.08616		14120909	643246.80	4249098.30	14.37	14.37	0.00	DC	
	D70	1ST		0.02326		18022424	643146.80	4248898.30	16.29	16.29	0.00	DC	
	D71	1ST		0.02354		14021123	643046.80	4248998.30	14.54	14.54	0.00	DC	
	D72	1ST		0.03782		14021109	643768.80	4250845.40	15.63	15.63	0.00	DC	
	D73	1ST		0.04833		17121109	643707.70	4250881.20	15.63	15.63	0.00	DC	
	D74	1ST		0.03838		18121309	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D75	1ST		0.06232		17121109	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D76	1ST		0.03210		17061806	643529.00	4250583.60	15.84	15.84	0.00	DC	
1-HR	D77	1ST	Avg. Conc.	0.01411	ug/m**3	15021119	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D78	1ST		0.02157		16111408	643429.00	4250581.60	15.92	15.92	0.00	DC	
	D79	1ST		0.03101		14010809	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D80	1ST		0.03220		18110208	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D81	1ST		0.04344		15121209	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D82	1ST		0.03119		18011909	643707.70	4250881.20	15.63	15.63	0.00	DC	
	D83	1ST		0.04444		17121509	643768.80	4250845.40	15.63	15.63	0.00	DC	
	D84	1ST		0.00745		15030708	643768.80	4250845.40	15.63	15.63	0.00	DC	
	D85	1ST		0.00714		18030708	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D86	1ST		0.00538		18122209	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D87	1ST		0.00955		15011210	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D88	1ST		0.00554		15030508	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D89	1ST		0.00756		18012809	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D90	1ST		0.00327		16121722	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D91	1ST		0.00439		16021506	643429.00	4250581.60	15.92	15.92	0.00	DC	
	D92	1ST		0.00550		16120421	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D93	1ST		0.00959		18120709	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D94	1ST		0.00585		18013009	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D95	1ST		0.00602		17061306	643707.70	4250881.20	15.63	15.63	0.00	DC	
	D96	1ST		0.01144		18012809	643768.80	4250845.40	15.63	15.63	0.00	DC	
						14011509	643529.00	4250583.60	15.84	15.84	0.00	DC	
24-HR	D1	1ST	Avg. Conc.	0.43883m	ug/m**3	17121624	643605.30	4250526.20	15.93	15.93	0.00	DC	
	D2	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D3	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D4	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D5	1ST		0.01581		14102824	643846.80	4250198.30	15.93	15.93	0.00	DC	
	D6	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D7	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D97	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D100	1ST		0.00000		00000000	0.00	0.00	0.00	0.00	0.00		
	D9	1ST		0.50672c		14011324	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D10	1ST		0.33258		18111024	643629.00	4250585.50	15.74	15.74	0.00	DC	
	D11	1ST		0.24291c		18011324	643607.80	4250879.50	15.63	15.63	0.00	DC	
	D8	1ST		0.43522		18111024	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D98	1ST		0.02580m		17101524	643667.40	4250746.00	15.63	15.63	0.00	DC	
	D99	1ST		0.03218		18020724	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D12	1ST		0.00633c		15012024	643807.70	4250883.00	15.63	15.63	0.00	DC	
	D13	1ST		0.00563c		18011324	643666.20	4250843.30	15.63	15.63	0.00	DC	
	D14	1ST		0.00771c		18111624	643668.60	4250646.00	15.63	15.63	0.00	DC	
	D15	1ST		0.00730		18111024	643529.00	4250583.60	15.84	15.84	0.00	DC	
	D16	1ST		0.00660c		15040924	643707.70	4250881.20	15.63	15.63	0.00	DC	

	D17	1ST		0.00678		16010224	643667.40	4250746.00	15.63	15.63	0.00	DC
	D18	1ST		0.00895c		14112524	643629.00	4250585.50	15.74	15.74	0.00	DC
	D19	1ST		0.00793c		14112524	643667.40	4250746.00	15.63	15.63	0.00	DC
	D50	1ST		0.02383		18112724	643820.90	4250883.20	15.66	15.66	0.00	DC
	D51	1ST		0.01726c		14112624	643846.80	4250798.30	15.78	15.78	0.00	DC
24-HR	D52	1ST	Avg. Conc.	0.01845	ug/m**3	14102824	643846.80	4250698.30	15.66	15.66	0.00	DC
	D53	1ST		0.01731c		14112624	643846.80	4250598.30	15.63	15.63	0.00	DC
	D54	1ST		0.01669c		14112624	643846.80	4250498.30	15.89	15.89	0.00	DC
	D55	1ST		0.01521		14102824	643846.80	4250398.30	15.91	15.91	0.00	DC
	D56	1ST		0.01676c		14112624	643846.80	4250298.30	15.93	15.93	0.00	DC
	D57	1ST		0.01581		14102824	643846.80	4250198.30	15.93	15.93	0.00	DC
	D58	1ST		0.01651c		14012224	643846.80	4250098.30	15.82	15.82	0.00	DC
	D59	1ST		0.00591		16091724	643946.80	4250098.30	15.73	15.73	0.00	DC
	D60	1ST		0.01546		17102324	644046.80	4249898.30	15.93	15.93	0.00	DC
	D61	1ST		0.01994m		17101524	644046.80	4249798.30	15.93	15.93	0.00	DC
	D62	1ST		0.01322c		15102324	643946.80	4249698.30	15.92	15.92	0.00	DC
	D63	1ST		0.00703c		15120524	643846.80	4249598.30	15.73	15.73	0.00	DC
	D64	1ST		0.00584		17102924	643746.80	4249598.30	15.88	15.88	0.00	DC
	D65	1ST		0.00604		16091724	643646.80	4249498.30	15.67	15.67	0.00	DC
	D66	1ST		0.02098c		18111524	643546.80	4249298.30	14.94	14.94	0.00	DC
	D67	1ST		0.02074		18111024	643446.80	4249198.30	14.43	14.43	0.00	DC
	D68	1ST		0.01316c		18011324	643346.80	4249198.30	14.32	14.32	0.00	DC
	D69	1ST		0.02846		14111224	643246.80	4249098.30	14.37	14.37	0.00	DC
	D70	1ST		0.00571		16091724	643146.80	4249098.30	14.43	14.43	0.00	DC
	D71	1ST		0.00591		16091724	643046.80	4248998.30	14.54	14.54	0.00	DC
	D72	1ST		0.01222		14111224	643746.80	4250898.30	15.63	15.63	0.00	DC
	D73	1ST		0.00986		14102824	643707.70	4250881.20	15.63	15.63	0.00	DC
	D74	1ST		0.01452		18111024	643667.40	4250746.00	15.63	15.63	0.00	DC
	D75	1ST		0.01079		14102824	643668.60	4250646.00	15.63	15.63	0.00	DC
	D76	1ST		0.00647c		17123124	643529.00	4250583.60	15.84	15.84	0.00	DC
24-HR	D77	1ST	Avg. Conc.	0.00463	ug/m**3	18111024	643529.00	4250583.60	15.84	15.84	0.00	DC
	D78	1ST		0.00505		18121324	643429.00	4250581.60	15.92	15.92	0.00	DC
	D79	1ST		0.00688		18010224	643529.00	4250583.60	15.84	15.84	0.00	DC
	D80	1ST		0.01103		16010224	643668.60	4250646.00	15.63	15.63	0.00	DC
	D81	1ST		0.01159c		18011324	643666.20	4250843.30	15.63	15.63	0.00	DC
	D82	1ST		0.01216		18112724	643707.70	4250881.20	15.63	15.63	0.00	DC
	D83	1ST		0.01014c		15040924	643807.70	4250883.00	15.63	15.63	0.00	DC
	D84	1ST		0.00188		14111224	643746.80	4250898.30	15.63	15.63	0.00	DC
	D85	1ST		0.00215		14111224	643646.80	4250898.30	15.63	15.63	0.00	DC
	D86	1ST		0.00151		16010224	643667.40	4250746.00	15.63	15.63	0.00	DC
	D87	1ST		0.00284		18111024	643668.60	4250646.00	15.63	15.63	0.00	DC
	D88	1ST		0.00210		18111024	643629.00	4250585.50	15.74	15.74	0.00	DC
	D89	1ST		0.00183c		15123124	643529.00	4250583.60	15.84	15.84	0.00	DC
	D90	1ST		0.00105		18111024	643529.00	4250583.60	15.84	15.84	0.00	DC
	D91	1ST		0.00108c		15123124	643429.00	4250581.60	15.92	15.92	0.00	DC
	D92	1ST		0.00122		18010224	643529.00	4250583.60	15.84	15.84	0.00	DC
	D93	1ST		0.00191		16050724	643668.60	4250646.00	15.63	15.63	0.00	DC
	D94	1ST		0.00169		17122924	643667.40	4250746.00	15.63	15.63	0.00	DC
	D95	1ST		0.00254		18112724	643707.70	4250881.20	15.63	15.63	0.00	DC

	D96	1ST		0.00188c		14011324	643768.80	4250845.40	15.63	15.63	0.00	DC
						14011324	643529.00	4250583.60	15.84	15.84	0.00	DC

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
153	Warning Message(s)
1576	Informational Message(s)
43680	Hours Were Processed
643	Calm Hours Identified
933	Missing Hours Identified (2.14 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	SO	W320	Input Parameter May Be Out-of-Range for Parameter QS
WARNING	ME	W186	THRESH_1MIN 1-min ASOS wind speed threshold used 0.50

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APPENDIX E

HEALTH RISK ASSESSMENT

HEALTH RISK ASSESSMENT

A. AERMOD Methodology

Air dispersion modeling was prepared using U.S. EPA BREEZE AERMOD version 1621r. All coordinates reference to UTM World Geodetic System 1984 (WGS 84), Zone 10, Northern Hemisphere. Modeling was completed using a five-year meteorological data set from 2014-2018 for Executive Airport.

To identify maximum receptor locations, a series of fine Cartesian receptor grids were placed 100 meters apart and extended into the properties which surround the property boundary line. Receptors were also placed around the facility fence line at 25 m intervals. Refer to Figure 1, for the vicinity map illustrating receptor locations.

The emissions for all sources are set to 1 g/s in AERMOD for inclusion into HAPR2 model. Terrain data was obtained and used on the model.

Two off-site worker locations and five resident receptors which were evaluated in this analysis. The location of the offsite receptors is detailed below. Refer to Figure 1 which details the location of the receptors.

	X Coordinate	Y Coordinate	Receptor No.
Receptor Description	[m]	[m]	
Off-site Worker 1	643605.3	4250526.2	1
Offsite Worker 2	643728.5	4250904.3	2
Resident 1	643912.5	4250828.9	3
Resident 2	644105.7	4250735.1	4
Resident 3	644093.7	4250516.1	5
Resident 4	643217.1	4250857.4	6
Resident 5	643115.9	4250756.2	7

The HARP2 model was used to calculate residential cancer, worker cancer and non-cancer chronic hazard index values from dispersion values generated by AERMOD and Toxic Air Contaminant emissions. The residential cancer risk analysis method used was using the Derived (OEHHA) Method, the worker cancer risk analysis method used was the Derived (OEHHA) Method and the non-cancer chronic hazard index analysis method used was the Derived (OEHHA) Method.

B. HARP2 Methodology

The HARP2 model was prepared using Office of Environmental Health Hazard Assessment Air Toxic Hot Spots Program Risk Assessment Guidelines “Guidance Manual for Preparation of Health Risk Assessments”, dated February 2015. The following lists the parameters for both the residential and worker analysis.

1. Residential Risk

30-year Lifetime Exposure Period
Using the Derived OEHHA Method (Cancer Risk) (Chronic, 8-Hour Chronic and Acute Risk)
Cancer, Chronic, and Acute Risk ran separately
Exposure Pathways: Inhalation, soil, dermal, mother’s milk Dermal Pathway: Warm Climate Deposition of 0.2 m/s

2. Worker Risk

25-year Lifetime Exposure Period
Derived OEHHA Method for all risks runs
Cancer, Chronic, 8-hr Chronic and Acute Risk, run separately. 8-hr chronic risk run separately, using 8-hr breathing rates
Worker Exposure Pathways: Inhalation, soil, dermal, Inhalation Pathway for Cancer, Chronic and 8 hr chronic: Used 8 hr breathing rates, moderate intensity. Inhalation Pathway for Cancer, Chronic, and 8 hr Chronic: Assume Facility operates 8 hours, 5 days/week, with Worker Adjustment Factor of 4.2 (24 hours per day/8 hours per shift) x (7 days in a week/5 days in a work week) and Exposure Frequency is 250 days/yr. Dermal Pathway: Warm climate Deposition of 0.2 m/s

C. Modeling Parameters

The emission sources from the project are represented by point sources, area source and volume sources. The following sections outline emission source parameters and assumptions used in the AERMOD for output concentrations ultimately imported into HARP2.

1. Hot Mix Asphalt Plant Baghouse Stack

The emissions from the hot mix asphalt drum are vented to a baghouse and were modeled as a point source. These emissions factors were obtained pulled source test data. Table C-1 below lists the modeling parameters. A summary of the annual and hourly emissions from this point source, which was modeled in HARP2, can be found in Appendix C, Table 2.

Table C-1 – Dryer (Source D1)

Stack Height	9.144	Meters
Stack Diameter	1.09	Meters
Stack Temperature	114	C
Stack Flow Rate	28,735	CFM
UTM WGS84 Zone 10N	643523.8	East (m)
UTM WGS84 Zone 10N	4250649.8	North (m)

2. Hot Mix Asphalt Silo Loading and Filling

The emissions from the asphalt silo loading and silo filling were modeled as a point source as they are vented to a blue smoke control device. AP-42 11.14 details emission calculations methodology for silo filling and loading. Table C-2 below presents modeling parameters for the silo filling. A summary of the emission factors, hourly and annual emissions data from the point source modeling can be found in Appendix C, Table 5.

Table C-2 – Blue Smoke Control Device (Source D2)

Stack Height	4.85	Meters
Stack Diameter	0.69	Meters
Stack Temperature	21	C
Stack Flow Rate	12,000	CFM
UTM WGS84 Zone 10N	643485.1	East (m)
UTM WGS84 Zone 10N	4250680.6	North (m)

3. Asphalt Storage Tanks

Asphalt Oil Tanks were modeled as a point source as they are vented to a vent condenser. The modeling parameters for the tanks are presented in Table C-4. Emission factors from AP42 Table 11.1-15 and Table 11.1-16 were used to calculate the emissions. The summary of the hourly and annual emissions from the point source modeling is available in Appendix C, Table 6 and Table 7.

Table C-4 – Asphalt Oil Tanks (Source D6)

Stack Height	4.572	Meters
Stack Diameter	0.508	Meters
Stack Temperature	48.3	C
Stack Flow Rate	0.001	CFM
UTM WGS84 Zone 10N	643493.5	East (m)
UTM WGS84 Zone 10N	4250699.3	North (m)

4. Hot Oil Heater

The hot oil heater was modeled as a point source. The modeling parameters for the hot oil heater location are presented in Table C-5. Emission factors from Ventura County APCD for Natural Gas Fired External Combustion Equipment used to calculate the emissions. The summary of the hourly and annual emissions from the point source modeling is available in Appendix C, Table 8.

Table C-5 – Hot Oil Heater (Source D100)

Stack Height	4.572	Meters
Stack Diameter	0.3355	Meters
Stack Temperature	20	C
Stack Flow Rate	282	CFM
UTM WGS84 Zone 10N	643503.3	East (m)
UTM WGS84 Zone 10N	4250699	North (m)

5. Ready Mix Plant

The ready-mix plant was modeled as a point source as it is vented to a baghouse. The modeling parameters for the ready-mix plant location are presented in Table 10. Emission factors from AP42 table 11.1-12-8 used to calculate the emissions. The summary of the hourly and annual emissions from the point source modeling is available in Appendix C, Table 10.

Table C-6 – Ready Mix Plant (Source D7)

Stack Height	4.8768	Meters
Stack Diameter	0.559816	Meters
Stack Temperature	21	C
Stack Flow Rate	6,500	CFM
UTM WGS84 Zone 10N	643626	East (m)
UTM WGS84 Zone 10N	4250696	North (m)

6. On-Site Truck Idling

The emissions from truck idling were modeled as a point source from the trucks on-site. The emission factors were obtained from EPA Idling Vehicle Emissions for Heavy Duty Trucks as well as CARB Emfac Project Analysis for Sacramento Air Basin project year 2023. Table C-3 details modeling parameters for the three-point source. A summary of the emission factors, hourly and annual emissions data from the point source modeling can be found in Appendix C, Table 11.

Table C-3.1 – Truck Idling Hot Mix Asphalt Trucks (Source D3)

Stack Height	3.84	Meters
Stack Diameter	0.1524	Meters
Stack Temperature	92.9	C
Stack Flow Rate	860	CFM
UTM WGS84 Zone 10N	643537.2	East (m)
UTM WGS84 Zone 10N	4250605	North (m)

Table C-3.2 – Truck Idling Ready Mix Trucks (Source D4)

Stack Height	3.84	Meters
Stack Diameter	0.1524	Meters
Stack Temperature	92.9	C
Stack Flow Rate	860	CFM
UTM WGS84 Zone 10N	643637.5	East (m)
UTM WGS84 Zone 10N	4250660.6	North (m)

Table C-3.3 – Truck Idling Recycle Trucks (Source D5)

Stack Height	3.84	Meters
Stack Diameter	0.1524	Meters
Stack Temperature	92.9	C
Stack Flow Rate	860	CFM
UTM WGS84 Zone 10N	643644.6	East (m)
UTM WGS84 Zone 10N	4250820.8	North (m)

Table C-3.4 – Truck Idling Aggregate Delivery Trucks (Source D97)

Stack Height	3.84	Meters
Stack Diameter	0.1524	Meters
Stack Temperature	92.9	C
Stack Flow Rate	860	CFM
UTM WGS84 Zone 10N	643629.4	East (m)
UTM WGS84 Zone 10N	4250629.4	North (m)

7. Mobile Equipment

The emissions from the off-road mobile were model as area sources. The emission factors are based on CARB and U.S. EPA Off-Road Compression-Ignition (Diesel) Engine Standards as well as CALEEMOD Table 3.4. Table C-7 details modeling parameters for the area source. A summary of the emission factors, hourly and annual emissions data from the area source modeling can be found in Appendix C, Table 12.

Table C-7 – Mobile Equipment

Release Height	2.52	Meters
Initial Vertical Dimension	2.34	Meters

Device	East	North	Area (m ²)
Device 9 HMA Loader	64358.6	4250613.9	1190.172
Device 10 Ready Mix Loader	643567.9	4250712.3	1661.078
Device 11 Recycle Loader	643634.5	4250826.1	648.2813
Device 8 Excavator	643643.9	4250692.9	235.2813
Device 98 Skid Steer	643548.4	4250735.9	535.7188
Device 99 Forklift	643531.4	4250653.9	359.4375

8. Customer Truck Exhaust

An elevated line of volume sources was used to model trucks traveling off-site to Highway 99. The truck diesel particulate (DPM) emission rate was obtained through the EMFAC2017 Emission Rates for calendar year 2023. A summary of the emission factors and the hourly and annual emissions from volume line source modeling are accessible in Table 13. Modeling parameters are listed in Appendix C, Table C-8 below.

Table C-8 – Customer Truck Exhaust (Source D50-71)

Release Height	3.63	Meters
Initial Lateral Dimension	0.6	Meters
Initial Vertical Dimension	0.84	Meters

9. On-Site Truck Exhaust

An elevated line of volume sources was used to model the hauling of aggregate material trucks to the site traveling on-site. The truck diesel particulate (DPM) emission rate was obtained through the EMFAC2017 Emission Rates for Calendar year 2023. A summary of the emission factors and the annual emissions from volume line source modeling are accessible in Table 14. Modeling parameters are listed in Appendix C, Table C-9 below.

Table C-9 – On-Site Truck Exhaust (Source D12-D19, D84-D96)

Release Height	3.63	Meters
Initial Lateral Dimension	0.6	Meters
Initial Vertical Dimension	0.84	Meters

10. On-Site Water Sweeper Exhaust

An elevated line of volume sources was used to model the on-site and sweeper. The truck diesel particulate (DPM) emission rate was obtained through the CARB Tier Engine Emission Rates and CALEEMOD Table 3.4. A summary of the emission factors and the annual emissions from volume line source modeling are accessible in Table 12. Modeling parameters are listed in Appendix C, Table C-10 below.

Table C-10 – Water Truck and Sweeper Exhaust (Source D72-D83)

Release Height	3.63	Meters
Initial Lateral Dimension	0.6	Meters
Initial Vertical Dimension	0.84	Meters

D. Results

The specific threshold limit for the Maximum Individual Cancer Risk (MICR) is 10 in a million and the limit for Chronic and Acute Hazard Index is 1.0. Refer to Exhibit 1 for an electronic copy of all modeling output files. Refer to Exhibit 2 for the risk contour maps.

1. Maximum Cancer Risk (MICR)

The cancer risk at each of the sensitive and off-site worker and residential receptors were evaluated against the CEQA Significance criteria. Below you will find the maximum health impact at the worker receptor and the maximum resident receptors. The maximum health impact for worker cancer and residential cancer risk are listed in Appendix C, Table D-1 and D-2.

Table D-1 – Cancer Risk Assessment Resident

Risk Scenario	Resident #1	Resident #2	Resident #3	Resident #4	Resident #5
Receptor No.	3	4	5	6	7
UTM WGS84 E (m)	643912.5	644105.7	644093.7	643217.1	643115.9
UTM WGS84 N (m)	4250828.9	4250735.1	4250516.1	4250857.4	4250756.2
Modeled Risk	8.55E-06	3.14E-06	3.45E-06	3.68E-06	2.2E-06
Threshold	10 E-6				
Exceed? (Y/N)	No	No	No	NO	NO

Table D-2 – Cancer Risk Assessment Worker

Risk Scenario	Worker Cancer Exposure	Worker Cancer Exposure
Receptor No.	1	2
UTM WGS84 E (m)	643605.3	643728.5
UTM WGS84 N (m)	4250526.2	4250904.3
Modeled Risk	5.35E-06	9.11E-06
Threshold	10 E-6	10 E-6
Exceed? (Y/N)	No	No

2. Chronic Hazard Index (HI)

The chronic HI shall not exceed 1.0 at any worker or residential location. Table D-3 and D-4 below summarizes the maximum chronic hazard index.

Table D-3 – Chronic HI Assessment Resident

Risk Scenario	Resident #1	Resident #2	Resident #3	Resident #4	Resident #5
Receptor No.	3	4	5	6	7
UTM WGS84 E (m)	643912.5	644105.7	644093.7	643217.1	643115.9
UTM WGS84 N (m)	4250828.9	4250735.1	4250516.1	4250857.4	4250756.2
Modeled Chronic Risk	1.59E-02	8.11E-03	9.01E-03	1.13E-02	7.0E-03
Threshold	1	1	1	1	1
Exceed? (Y/N)	No	NO	NO	NO	NO

Table D-4 – Chronic HI Assessment at Worker

Risk Scenario	Worker Chronic HI	Worker Chronic HI
Receptor No.	1	2
UTM WGS84 E (m)	643605.3	643728.5
UTM WGS84 N (m)	4250526.2	4250904.3
Modeled Chronic Risk	2.36E-02	5.90E-02
Threshold	1	1
Exceed? (Y/N)	No	No

3. Chronic 8- Hour Hazard Index (HI)

The chronic 8-hour HI shall not exceed 1.0 at any worker location. Table D-5 below summarizes the maximum chronic 8-hour Hazard Index.

Table D-5 – Chronic 8-hour HI Assessment Worker

Risk Scenario	Worker Chronic 8-hour HI	Worker Chronic 8-hour HI
Receptor No.	1	2
UTM WGS84 E (m)	643605.3	643728.5
UTM WGS84 N (m)	4250526.2	4250904.3
Modeled Chronic Risk	1.54E-02	2.36E-02
Threshold	1	1
Exceed? (Y/N)	No	No

4. Acute Hazard Index (HI)

The acute HI shall not exceed 1.0 at any worker or residential location. Table D-6 and D-7 below summarizes the maximum acute hazard index (HI).

Table D-6 – Acute HI Assessment at Resident

Risk Scenario	Resident #1	Resident #2	Resident #3	Resident #4	Resident #5
Receptor No.	3	4	5	6	7
UTM WGS84 E (m)	643912.5	644105.7	644093.7	643217.1	643115.9
UTM WGS84 N (m)	4250828.9	4250735.1	4250516.1	4250857.4	4250756.2
Modeled Acute Risk	9.88E-02	6.50E-02	6.62E-02	6.96E-02	4.79E-02
Threshold	1	1	1	1	1
Exceed? (Y/N)	No	No	No	No	No

Table D-7 – Acute HI Assessment at Worker

Risk Scenario	Worker Acute HI	Worker Acute HI
Receptor No.	1	2
UTM WGS84 E (m)	643605.3	643728.5
UTM WGS84 N (m)	4250526.2	4250904.3
Modeled Acute Risk	2.99E-01	2.11E-01
Threshold	1	1
Exceed? (Y/N)	No	No



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TAYLOR
ENVIRONMENTAL
SERVICES, INC.

DESCRIPTION		VULCAN MATERIALS COMPANY ELK GROVE FACILITY VICINITY MAP
JOB NO. VULCN-20-2651	DATE 3/23/2021	FIGURE NO. 1

EXHIBIT 1 MODELING RESULTS



TAYLOR
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RESIDENTIAL CANCER RISK



TAYLOR
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WORKER CANCER RISK



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CHRONIC RISK RESIDENT

REC	GRP	NETID	X	Y	SCENARIO CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE RESP	SKIN	EYE	BONE/TEE ENDO	BLOOD	ODOR	GENERAL	MAXHI			
1	ALL		643605.3	4250526	NonCancel	2.17E-02	2.36E-02	8.19E-05	3.44E-04	9.86E-06	2.19E-02	3.13E-02	2.17E-02	4.91E-06	0.00E+00	1.34E-06	3.22E-03	0.00E+00	0.00E+00	3.13E-02
2	ALL		643728.5	4250904	NonCancel	6.21E-02	6.83E-02	3.88E-04	3.71E-04	2.46E-05	6.24E-02	8.11E-02	6.21E-02	4.13E-06	0.00E+00	1.18E-06	9.93E-03	0.00E+00	0.00E+00	8.11E-02
3	ALL		643912.5	4250829	NonCancel	1.17E-02	1.28E-02	7.24E-05	7.15E-05	4.66E-06	1.17E-02	1.59E-02	1.17E-02	9.85E-07	0.00E+00	2.66E-07	1.88E-03	0.00E+00	0.00E+00	1.59E-02
4	ALL		644105.7	4250735	NonCancel	6.16E-03	6.78E-03	4.01E-05	3.04E-05	2.44E-06	6.18E-03	8.11E-03	6.16E-03	5.61E-07	0.00E+00	1.33E-07	1.01E-03	0.00E+00	0.00E+00	8.11E-03
5	ALL		644093.7	4250516	NonCancel	6.86E-03	7.55E-03	4.47E-05	3.39E-05	2.72E-06	6.89E-03	9.01E-03	6.86E-03	6.19E-07	0.00E+00	1.47E-07	1.12E-03	0.00E+00	0.00E+00	9.01E-03
6	ALL		643217.1	4250857	NonCancel	8.48E-03	9.34E-03	5.32E-05	5.03E-05	3.52E-06	8.52E-03	1.13E-02	8.48E-03	1.52E-06	0.00E+00	3.29E-07	1.42E-03	0.00E+00	0.00E+00	1.13E-02
7	ALL		643115.9	4250756	NonCancel	5.31E-03	5.85E-03	3.45E-05	2.66E-05	2.15E-06	5.33E-03	7.00E-03	5.31E-03	7.18E-07	0.00E+00	1.62E-07	8.88E-04	0.00E+00	0.00E+00	7.00E-03
8	ALL		642446.8	4248798	NonCancel	7.42E-04	8.17E-04	4.66E-06	4.37E-06	3.02E-07	7.46E-04	9.55E-04	7.42E-04	1.15E-07	0.00E+00	2.22E-08	1.21E-04	0.00E+00	0.00E+00	9.55E-04
9	ALL		642546.8	4248798	NonCancel	7.83E-04	8.61E-04	4.92E-06	4.56E-06	3.18E-07	7.86E-04	1.01E-03	7.83E-04	1.19E-07	0.00E+00	2.32E-08	1.28E-04	0.00E+00	0.00E+00	1.01E-03
10	ALL		642646.8	4248798	NonCancel	8.29E-04	9.12E-04	5.22E-06	4.78E-06	3.36E-07	8.32E-04	1.07E-03	8.28E-04	1.25E-07	0.00E+00	2.44E-08	1.36E-04	0.00E+00	0.00E+00	1.07E-03
11	ALL		642746.8	4248798	NonCancel	8.79E-04	9.67E-04	5.54E-06	5.06E-06	3.56E-07	8.83E-04	1.15E-03	8.79E-04	1.31E-07	0.00E+00	2.57E-08	1.44E-04	0.00E+00	0.00E+00	1.15E-03
12	ALL		642846.8	4248798	NonCancel	9.34E-04	1.03E-03	5.88E-06	5.41E-06	3.79E-07	9.38E-04	1.23E-03	9.34E-04	1.39E-07	0.00E+00	2.73E-08	1.53E-04	0.00E+00	0.00E+00	1.23E-03
13	ALL		642946.8	4248798	NonCancel	9.91E-04	1.09E-03	6.22E-06	5.83E-06	4.02E-07	9.96E-04	1.34E-03	9.91E-04	1.47E-07	0.00E+00	2.90E-08	1.62E-04	0.00E+00	0.00E+00	1.34E-03
14	ALL		643046.8	4248798	NonCancel	1.06E-03	1.16E-03	6.61E-06	6.36E-06	4.30E-07	1.06E-03	1.51E-03	1.06E-03	1.56E-07	0.00E+00	3.11E-08	1.72E-04	0.00E+00	0.00E+00	1.51E-03
15	ALL		643146.8	4248798	NonCancel	1.11E-03	1.22E-03	6.89E-06	6.83E-06	4.51E-07	1.12E-03	1.57E-03	1.11E-03	1.62E-07	0.00E+00	3.27E-08	1.80E-04	0.00E+00	0.00E+00	1.57E-03
16	ALL		643246.8	4248798	NonCancel	1.15E-03	1.26E-03	7.06E-06	7.28E-06	4.66E-07	1.15E-03	1.58E-03	1.15E-03	1.65E-07	0.00E+00	3.38E-08	1.86E-04	0.00E+00	0.00E+00	1.58E-03
17	ALL		643346.8	4248798	NonCancel	1.17E-03	1.28E-03	7.12E-06	7.70E-06	4.76E-07	1.17E-03	1.59E-03	1.17E-03	1.66E-07	0.00E+00	3.47E-08	1.89E-04	0.00E+00	0.00E+00	1.59E-03
18	ALL		643446.8	4248798	NonCancel	1.19E-03	1.31E-03	7.15E-06	8.20E-06	4.85E-07	1.19E-03	1.60E-03	1.19E-03	1.69E-07	0.00E+00	3.58E-08	1.91E-04	0.00E+00	0.00E+00	1.60E-03
19	ALL		643546.8	4248798	NonCancel	1.20E-03	1.32E-03	7.09E-06	8.89E-06	4.93E-07	1.21E-03	1.61E-03	1.20E-03	1.74E-07	0.00E+00	3.75E-08	1.92E-04	0.00E+00	0.00E+00	1.61E-03
20	ALL		643646.8	4248798	NonCancel	1.22E-03	1.34E-03	7.00E-06	9.89E-06	5.05E-07	1.23E-03	1.62E-03	1.22E-03	1.83E-07	0.00E+00	4.03E-08	1.94E-04	0.00E+00	0.00E+00	1.62E-03
21	ALL		643746.8	4248798	NonCancel	1.27E-03	1.39E-03	7.02E-06	1.13E-05	5.29E-07	1.28E-03	1.67E-03	1.27E-03	1.96E-07	0.00E+00	4.42E-08	1.99E-04	0.00E+00	0.00E+00	1.67E-03
22	ALL		643846.8	4248798	NonCancel	1.35E-03	1.47E-03	7.15E-06	1.31E-05	5.64E-07	1.35E-03	1.75E-03	1.35E-03	2.12E-07	0.00E+00	4.91E-08	2.09E-04	0.00E+00	0.00E+00	1.75E-03
23	ALL		643946.8	4248798	NonCancel	1.45E-03	1.58E-03	7.35E-06	1.54E-05	6.11E-07	1.46E-03	1.87E-03	1.45E-03	2.33E-07	0.00E+00	5.55E-08	2.22E-04	0.00E+00	0.00E+00	1.87E-03
24	ALL		644046.8	4248798	NonCancel	1.57E-03	1.72E-03	7.63E-06	1.82E-05	6.70E-07	1.58E-03	2.02E-03	1.57E-03	2.59E-07	0.00E+00	6.35E-08	2.38E-04	0.00E+00	0.00E+00	2.02E-03
25	ALL		644146.8	4248798	NonCancel	1.72E-03	1.88E-03	8.00E-06	2.12E-05	7.37E-07	1.73E-03	2.20E-03	1.72E-03	2.87E-07	0.00E+00	7.20E-08	2.57E-04	0.00E+00	0.00E+00	2.20E-03
26	ALL		644246.8	4248798	NonCancel	1.88E-03	2.05E-03	8.47E-06	2.41E-05	8.07E-07	1.89E-03	2.39E-03	1.87E-03	3.13E-07	0.00E+00	8.00E-08	2.78E-04	0.00E+00	0.00E+00	2.39E-03
27	ALL		644346.8	4248798	NonCancel	2.00E-03	2.18E-03	8.89E-06	2.63E-05	8.62E-07	2.01E-03	2.54E-03	2.00E-03	3.32E-07	0.00E+00	8.59E-08	2.96E-04	0.00E+00	0.00E+00	2.54E-03
28	ALL		644446.8	4248798	NonCancel	2.07E-03	2.26E-03	9.16E-06	2.75E-05	8.95E-07	2.09E-03	2.63E-03	2.07E-03	3.40E-07	0.00E+00	8.90E-08	3.06E-04	0.00E+00	0.00E+00	2.63E-03
29	ALL		644546.8	4248798	NonCancel	2.09E-03	2.28E-03	9.25E-06	2.77E-05	9.01E-07	2.11E-03	2.64E-03	2.09E-03	3.39E-07	0.00E+00	8.90E-08	3.08E-04	0.00E+00	0.00E+00	2.64E-03
30	ALL		644646.8	4248798	NonCancel	2.05E-03	2.24E-03	9.13E-06	2.70E-05	8.84E-07	2.07E-03	2.59E-03	2.05E-03	3.29E-07	0.00E+00	8.66E-08	3.03E-04	0.00E+00	0.00E+00	2.59E-03
31	ALL		644746.8	4248798	NonCancel	1.97E-03	2.15E-03	8.80E-06	2.58E-05	8.47E-07	1.99E-03	2.48E-03	1.97E-03	3.13E-07	0.00E+00	8.25E-08	2.91E-04	0.00E+00	0.00E+00	2.48E-03
32	ALL		644846.8	4248798	NonCancel	1.86E-03	2.03E-03	8.34E-06	2.42E-05	8.00E-07	1.87E-03	2.35E-03	1.86E-03	2.95E-07	0.00E+00	7.76E-08	2.75E-04	0.00E+00	0.00E+00	2.35E-03
33	ALL		644946.8	4248798	NonCancel	1.76E-03	1.92E-03	7.89E-06	2.28E-05	7.56E-07	1.77E-03	2.22E-03	1.76E-03	2.80E-07	0.00E+00	7.33E-08	2.60E-04	0.00E+00	0.00E+00	2.22E-03
34	ALL		645046.8	4248798	NonCancel	1.66E-03	1.81E-03	7.48E-06	2.15E-05	7.14E-07	1.67E-03	2.09E-03	1.66E-03	2.65E-07	0.00E+00	6.92E-08	2.46E-04	0.00E+00	0.00E+00	2.09E-03
35	ALL		645146.8	4248798	NonCancel	1.59E-03	1.73E-03	7.16E-06	2.05E-05	6.82E-07	1.60E-03	2.00E-03	1.59E-03	2.54E-07	0.00E+00	6.62E-08	2.35E-04	0.00E+00	0.00E+00	2.00E-03
36	ALL		645246.8	4248798	NonCancel	1.49E-03	1.62E-03	6.76E-06	1.89E-05	6.37E-07	1.50E-03	1.87E-03	1.49E-03	2.37E-07	0.00E+00	6.14E-08	2.20E-04	0.00E+00	0.00E+00	1.87E-03
37	ALL		645346.8	4248798	NonCancel	1.40E-03	1.53E-03	6.43E-06	1.76E-05	6.00E-07	1.41E-03	1.76E-03	1.40E-03	2.24E-07	0.00E+00	5.75E-08	2.08E-04	0.00E+00	0.00E+00	1.76E-03
38	ALL		642446.8	4248898	NonCancel	7.67E-04	8.45E-04	4.85E-06	4.39E-06	3.11E-07	7.71E-04	9.89E-04	7.67E-04	1.18E-07	0.00E+00	2.27E-08	1.26E-04	0.00E+00	0.00E+00	9.89E-04
39	ALL		642546.8	4248898	NonCancel	8.10E-04	8.92E-04	5.13E-06	4.60E-06	3.29E-07	8.14E-04	1.05E-03	8.10E-04	1.23E-07	0.00E+00	2.38E-08	1.33E-04	0.00E+00	0.00E+00	1.05E-03
40	ALL		642646.8	4248898	NonCancel	8.60E-04	9.46E-04	5.45E-06	4.83E-06	3.48E-07	8.63E-04	1.12E-03	8.60E-04	1.29E-07	0.00E+00	2.50E-08	1.41E-04	0.00E+00	0.00E+00	1.12E-03
41	ALL		642746.8	4248898	NonCancel	9.16E-04	1.01E-03	5.81E-06	5.12E-06	3.71E-07	9.20E-04	1.20E-03	9.15E-04	1.35E-07	0.00E+00	2.64E-08	1.50E-04	0.00E+00	0.00E+00	1.20E-03
42	ALL		642846.8	4248898	NonCancel	9.77E-04	1.08E-03	6.20E-06	5.49E-06	3.96E-07	9.82E-04	1.30E-03	9.77E-04	1.44E-07	0.00E+00	2.81E-08	1.60E-04	0.00E+00	0.00E+00	1.30E-03
43	ALL		642946.8	4248898	NonCancel	1.03E-03	1.14E-03	6.54E-06	5.89E-06	4.19E-07	1.04E-03	1.44E-03	1.03E-03	1.51E-07	0.00E+00	2.98E-08	1.69E-04	0.00E+00	0.00E+00	1.44E-03
44	ALL		643046.8	4248898	NonCancel	1.10E-03	1.21E-03	6.93E-06	6.40E-06	4.46E-07	1.11E-03	1.48E-03	1.10E-03	1.59E-07	0.00E+00	3.18E-08	1.80E-04	0.00E+00	0.00E+00	1.48E-03
45	ALL		643146.8	4248898	NonCancel	1.17E-03	1.29E-03	7.32E-06	7.00E-06	4.75E-07	1.18E-03	1.77E-03	1.17E-03	1.69E-07	0.00E+00	3.40E-08	1.91E-04	0.00E+00	0.00E+00	1.77E-03
46	ALL		643246.8	4248898	NonCancel	1.21E-03	1.33E-03	7.49E-06	7.45E-06	4.90E-07	1.21E-03	1.75E-03	1.21E-03	1.71E-07	0.00E+00	3.50E-08	1.96E-04	0.00E+00	0.00E+00	1.75E-03
47	ALL		643346.8	4248898	NonCancel	1.24E-03	1.37E-03	7.63E-06	7.98E-06	5.05E-07	1.25E-03	1.74E-03	1.24E-03	1.74E-07	0.00E+00	3.63E-08	2.01E-04	0.00E+00	0.00E+00	1.74E-03
48	ALL		643446.8	4248898	NonCancel	1.27E-03	1.39E-03	7.68E-06	8.55E-06	5.17E-07	1.27E-03	1.74E-03	1.27E-03	1.77E-07	0.00E+00	3.76E-08	2.04E-04	0.00E+00	0.00E+00	1.74E-03
49	ALL		643546.8	4248898	NonCancel	1.28E-03	1.41E-03	7.62E-06	9.32E-06	5.26E-07	1.29E-03	1.73E-0								

51 ALL	643746.8	4248898	NonCancel	1.37E-03	1.50E-03	7.56E-06	1.21E-05	5.68E-07	1.37E-03	1.80E-03	1.37E-03	2.09E-07	0.00E+00	4.72E-08	2.14E-04	0.00E+00	0.00E+00	1.80E-03
52 ALL	643846.8	4248898	NonCancel	1.46E-03	1.60E-03	7.73E-06	1.42E-05	6.11E-07	1.47E-03	1.90E-03	1.46E-03	2.29E-07	0.00E+00	5.32E-08	2.26E-04	0.00E+00	0.00E+00	1.90E-03
53 ALL	643946.8	4248898	NonCancel	1.58E-03	1.73E-03	7.99E-06	1.69E-05	6.67E-07	1.59E-03	2.05E-03	1.58E-03	2.54E-07	0.00E+00	6.08E-08	2.42E-04	0.00E+00	0.00E+00	2.05E-03
54 ALL	644046.8	4248898	NonCancel	1.73E-03	1.89E-03	8.34E-06	2.01E-05	7.37E-07	1.74E-03	2.22E-03	1.73E-03	2.85E-07	0.00E+00	7.00E-08	2.61E-04	0.00E+00	0.00E+00	2.22E-03
55 ALL	644146.8	4248898	NonCancel	1.90E-03	2.07E-03	8.80E-06	2.35E-05	8.13E-07	1.91E-03	2.43E-03	1.90E-03	3.16E-07	0.00E+00	7.94E-08	2.84E-04	0.00E+00	0.00E+00	2.43E-03
56 ALL	644246.8	4248898	NonCancel	2.06E-03	2.25E-03	9.34E-06	2.64E-05	8.86E-07	2.08E-03	2.63E-03	2.06E-03	3.42E-07	0.00E+00	8.75E-08	3.06E-04	0.00E+00	0.00E+00	2.63E-03
57 ALL	644346.8	4248898	NonCancel	2.18E-03	2.38E-03	9.76E-06	2.83E-05	9.38E-07	2.19E-03	2.77E-03	2.18E-03	3.58E-07	0.00E+00	9.27E-08	3.23E-04	0.00E+00	0.00E+00	2.77E-03
58 ALL	644446.8	4248898	NonCancel	2.23E-03	2.43E-03	9.98E-06	2.90E-05	9.59E-07	2.25E-03	2.82E-03	2.23E-03	3.61E-07	0.00E+00	9.42E-08	3.30E-04	0.00E+00	0.00E+00	2.82E-03
59 ALL	644546.8	4248898	NonCancel	2.22E-03	2.42E-03	9.97E-06	2.87E-05	9.53E-07	2.23E-03	2.80E-03	2.22E-03	3.54E-07	0.00E+00	9.27E-08	3.28E-04	0.00E+00	0.00E+00	2.80E-03
60 ALL	644646.8	4248898	NonCancel	2.15E-03	2.34E-03	9.72E-06	2.76E-05	9.22E-07	2.16E-03	2.71E-03	2.15E-03	3.40E-07	0.00E+00	8.90E-08	3.18E-04	0.00E+00	0.00E+00	2.71E-03
61 ALL	644746.8	4248898	NonCancel	2.04E-03	2.23E-03	9.27E-06	2.60E-05	8.75E-07	2.06E-03	2.57E-03	2.04E-03	3.22E-07	0.00E+00	8.41E-08	3.03E-04	0.00E+00	0.00E+00	2.57E-03
62 ALL	644846.8	4248898	NonCancel	1.92E-03	2.09E-03	8.73E-06	2.43E-05	8.21E-07	1.93E-03	2.42E-03	1.92E-03	3.02E-07	0.00E+00	7.87E-08	2.84E-04	0.00E+00	0.00E+00	2.42E-03
63 ALL	644946.8	4248898	NonCancel	1.80E-03	1.96E-03	8.23E-06	2.27E-05	7.70E-07	1.81E-03	2.26E-03	1.80E-03	2.84E-07	0.00E+00	7.36E-08	2.67E-04	0.00E+00	0.00E+00	2.26E-03
64 ALL	645046.8	4248898	NonCancel	1.69E-03	1.85E-03	7.79E-06	2.12E-05	7.25E-07	1.71E-03	2.13E-03	1.69E-03	2.68E-07	0.00E+00	6.92E-08	2.52E-04	0.00E+00	0.00E+00	2.13E-03
65 ALL	645146.8	4248898	NonCancel	1.61E-03	1.76E-03	7.43E-06	2.00E-05	6.88E-07	1.62E-03	2.03E-03	1.61E-03	2.55E-07	0.00E+00	6.56E-08	2.40E-04	0.00E+00	0.00E+00	2.03E-03
66 ALL	645246.8	4248898	NonCancel	1.51E-03	1.65E-03	7.06E-06	1.86E-05	6.47E-07	1.53E-03	1.91E-03	1.51E-03	2.41E-07	0.00E+00	6.14E-08	2.26E-04	0.00E+00	0.00E+00	1.91E-03
67 ALL	645346.8	4248898	NonCancel	1.41E-03	1.54E-03	6.64E-06	1.70E-05	6.00E-07	1.42E-03	1.77E-03	1.41E-03	2.23E-07	0.00E+00	5.64E-08	2.11E-04	0.00E+00	0.00E+00	1.77E-03
68 ALL	642446.8	4248998	NonCancel	7.95E-04	8.75E-04	5.05E-06	4.42E-06	3.22E-07	7.98E-04	1.02E-03	7.95E-04	1.21E-07	0.00E+00	2.32E-08	1.30E-04	0.00E+00	0.00E+00	1.02E-03
69 ALL	642546.8	4248998	NonCancel	8.39E-04	9.24E-04	5.34E-06	4.63E-06	3.40E-07	8.43E-04	1.09E-03	8.39E-04	1.26E-07	0.00E+00	2.43E-08	1.38E-04	0.00E+00	0.00E+00	1.09E-03
70 ALL	642646.8	4248998	NonCancel	8.89E-04	9.79E-04	5.67E-06	4.87E-06	3.60E-07	8.93E-04	1.16E-03	8.89E-04	1.32E-07	0.00E+00	2.56E-08	1.46E-04	0.00E+00	0.00E+00	1.16E-03
71 ALL	642746.8	4248998	NonCancel	9.50E-04	1.05E-03	6.07E-06	5.17E-06	3.84E-07	9.54E-04	1.25E-03	9.49E-04	1.39E-07	0.00E+00	2.70E-08	1.56E-04	0.00E+00	0.00E+00	1.25E-03
72 ALL	642846.8	4248998	NonCancel	1.02E-03	1.12E-03	6.50E-06	5.54E-06	4.11E-07	1.02E-03	1.36E-03	1.02E-03	1.47E-07	0.00E+00	2.88E-08	1.67E-04	0.00E+00	0.00E+00	1.36E-03
73 ALL	642946.8	4248998	NonCancel	1.09E-03	1.20E-03	6.94E-06	6.00E-06	4.40E-07	1.09E-03	1.54E-03	1.09E-03	1.57E-07	0.00E+00	3.09E-08	1.79E-04	0.00E+00	0.00E+00	1.54E-03
74 ALL	643046.8	4248998	NonCancel	1.16E-03	1.27E-03	7.34E-06	6.52E-06	4.68E-07	1.16E-03	1.93E-03	1.16E-03	1.65E-07	0.00E+00	3.28E-08	1.89E-04	0.00E+00	0.00E+00	1.93E-03
75 ALL	643146.8	4248998	NonCancel	1.22E-03	1.35E-03	7.72E-06	7.09E-06	4.96E-07	1.23E-03	1.75E-03	1.22E-03	1.72E-07	0.00E+00	3.48E-08	2.00E-04	0.00E+00	0.00E+00	1.75E-03
76 ALL	643246.8	4248998	NonCancel	1.28E-03	1.41E-03	8.03E-06	7.69E-06	5.21E-07	1.29E-03	1.98E-03	1.28E-03	1.79E-07	0.00E+00	3.67E-08	2.09E-04	0.00E+00	0.00E+00	1.98E-03
77 ALL	643346.8	4248998	NonCancel	1.33E-03	1.46E-03	8.23E-06	8.31E-06	5.40E-07	1.34E-03	1.96E-03	1.33E-03	1.83E-07	0.00E+00	3.82E-08	2.16E-04	0.00E+00	0.00E+00	1.96E-03
78 ALL	643446.8	4248998	NonCancel	1.36E-03	1.49E-03	8.28E-06	8.95E-06	5.52E-07	1.36E-03	1.91E-03	1.36E-03	1.87E-07	0.00E+00	3.96E-08	2.19E-04	0.00E+00	0.00E+00	1.91E-03
79 ALL	643546.8	4248998	NonCancel	1.38E-03	1.52E-03	8.23E-06	9.84E-06	5.65E-07	1.39E-03	1.89E-03	1.38E-03	1.94E-07	0.00E+00	4.19E-08	2.21E-04	0.00E+00	0.00E+00	1.89E-03
80 ALL	643646.8	4248998	NonCancel	1.41E-03	1.55E-03	8.15E-06	1.12E-05	5.82E-07	1.42E-03	1.90E-03	1.41E-03	2.07E-07	0.00E+00	4.57E-08	2.24E-04	0.00E+00	0.00E+00	1.90E-03
81 ALL	643746.8	4248998	NonCancel	1.48E-03	1.62E-03	8.19E-06	1.30E-05	6.15E-07	1.49E-03	1.96E-03	1.48E-03	2.25E-07	0.00E+00	5.10E-08	2.32E-04	0.00E+00	0.00E+00	1.96E-03
82 ALL	643846.8	4248998	NonCancel	1.59E-03	1.74E-03	8.39E-06	1.55E-05	6.65E-07	1.60E-03	2.08E-03	1.59E-03	2.48E-07	0.00E+00	5.80E-08	2.46E-04	0.00E+00	0.00E+00	2.08E-03
83 ALL	643946.8	4248998	NonCancel	1.73E-03	1.90E-03	8.73E-06	1.87E-05	7.34E-07	1.75E-03	2.25E-03	1.73E-03	2.79E-07	0.00E+00	6.72E-08	2.65E-04	0.00E+00	0.00E+00	2.25E-03
84 ALL	644046.8	4248998	NonCancel	1.91E-03	2.09E-03	9.17E-06	2.24E-05	8.16E-07	1.92E-03	2.46E-03	1.91E-03	3.15E-07	0.00E+00	7.78E-08	2.89E-04	0.00E+00	0.00E+00	2.46E-03
85 ALL	644146.8	4248998	NonCancel	2.10E-03	2.29E-03	9.73E-06	2.60E-05	9.00E-07	2.11E-03	2.69E-03	2.10E-03	3.47E-07	0.00E+00	8.78E-08	3.14E-04	0.00E+00	0.00E+00	2.69E-03
86 ALL	644246.8	4248998	NonCancel	2.27E-03	2.48E-03	1.03E-05	2.89E-05	9.76E-07	2.29E-03	2.89E-03	2.27E-03	3.73E-07	0.00E+00	9.57E-08	3.38E-04	0.00E+00	0.00E+00	2.89E-03
87 ALL	644346.8	4248998	NonCancel	2.37E-03	2.59E-03	1.07E-05	3.04E-05	1.02E-06	2.39E-03	3.01E-03	2.37E-03	3.84E-07	0.00E+00	9.96E-08	3.52E-04	0.00E+00	0.00E+00	3.01E-03
88 ALL	644446.8	4248998	NonCancel	2.39E-03	2.61E-03	1.09E-05	3.05E-05	1.03E-06	2.41E-03	3.03E-03	2.39E-03	3.81E-07	0.00E+00	9.92E-08	3.55E-04	0.00E+00	0.00E+00	3.03E-03
89 ALL	644546.8	4248998	NonCancel	2.34E-03	2.56E-03	1.07E-05	2.95E-05	1.00E-06	2.36E-03	2.96E-03	2.34E-03	3.68E-07	0.00E+00	9.59E-08	3.48E-04	0.00E+00	0.00E+00	2.96E-03
90 ALL	644646.8	4248998	NonCancel	2.24E-03	2.44E-03	1.03E-05	2.80E-05	9.57E-07	2.25E-03	2.83E-03	2.24E-03	3.49E-07	0.00E+00	9.08E-08	3.33E-04	0.00E+00	0.00E+00	2.83E-03
91 ALL	644746.8	4248998	NonCancel	2.11E-03	2.30E-03	9.75E-06	2.62E-05	9.01E-07	2.12E-03	2.66E-03	2.11E-03	3.29E-07	0.00E+00	8.53E-08	3.14E-04	0.00E+00	0.00E+00	2.66E-03
92 ALL	644846.8	4248998	NonCancel	1.97E-03	2.15E-03	9.16E-06	2.44E-05	8.43E-07	1.99E-03	2.49E-03	1.97E-03	3.09E-07	0.00E+00	7.96E-08	2.94E-04	0.00E+00	0.00E+00	2.49E-03
93 ALL	644946.8	4248998	NonCancel	1.84E-03	2.00E-03	8.59E-06	2.24E-05	7.84E-07	1.85E-03	2.32E-03	1.84E-03	2.87E-07	0.00E+00	7.37E-08	2.74E-04	0.00E+00	0.00E+00	2.32E-03
94 ALL	645046.8	4248998	NonCancel	1.72E-03	1.88E-03	8.12E-06	2.08E-05	7.34E-07	1.73E-03	2.17E-03	1.72E-03	2.69E-07	0.00E+00	6.87E-08	2.58E-04	0.00E+00	0.00E+00	2.17E-03
95 ALL	645146.8	4248998	NonCancel	1.63E-03	1.77E-03	7.72E-06	1.94E-05	6.92E-07	1.64E-03	2.05E-03	1.62E-03	2.55E-07	0.00E+00	6.46E-08	2.44E-04	0.00E+00	0.00E+00	2.05E-03
96 ALL	645246.8	4248998	NonCancel	1.52E-03	1.66E-03	7.31E-06	1.79E-05	6.48E-07	1.53E-03	1.92E-03	1.52E-03	2.40E-07	0.00E+00	6.02E-08	2.29E-04	0.00E+00	0.00E+00	1.92E-03
97 ALL	645346.8	4248998	NonCancel	1.41E-03	1.54E-03	6.85E-06	1.62E-05	5.98E-07	1.42E-03	1.78E-03	1.41E-03	2.21E-07	0.00E+00	5.50E-08	2.13E-04	0.00E+00	0.00E+00	1.78E-03
98 ALL	642446.8	4249098	NonCancel	8.24E-04	9.08E-04	5.27E-06	4.45E-06	3.33E-07	8.28E-04	1.06E-03	8.24E-04	1.24E-07	0.00E+00	2.38E-08	1.36E-04	0.00E+00	0.00E+00	1.06E-03
99 ALL	642546.8	4249098	NonCancel	8.70E-04	9.58E-04	5.58E-06	4.66E-06	3.52E-07	8.74E-04	1.13E-03	8.70E-04	1.29E-07	0.00E+00	2.49E-08	1.43E-04	0.00E+00	0.00E+00	1.13E-03
100 ALL	642646.8	4249098	NonCancel	9.22E-04	1.02E-03	5.92E-06	4.91E-06	3.73E-07	9.26E-04	1.20E-03	9.22E-04	1.35E-07	0.00E+00	2.62E-08	1.52E-04	0.00E+00	0.00E+00	1.20E-03
101 ALL	642746.8	4249098	NonCancel	9.83E-04	1.08E-03	6.31E-06	5.21E-06	3.97E-07	9.87E-04	1.30E-03	9.83E-04	1.42E-07	0.00E+00	2.76E-08	1.62E-04	0.00E+00	0.00E+00	1.30E-03
102 ALL	642846.8	4249098	NonCancel	1.07E-03	1.18E-03	6.86E-06	5.63E-06	4.31E-0										

103 ALL	642946.8	4249098	NonCancel	1.14E-03	1.26E-03	7.32E-06	6.09E-06	4.61E-07	1.15E-03	1.60E-03	1.14E-03	1.62E-07	0.00E+00	3.18E-08	1.88E-04	0.00E+00	0.00E+00	1.60E-03
104 ALL	643046.8	4249098	NonCancel	1.22E-03	1.34E-03	7.77E-06	6.64E-06	4.92E-07	1.22E-03	1.81E-03	1.22E-03	1.71E-07	0.00E+00	3.40E-08	2.00E-04	0.00E+00	0.00E+00	1.81E-03
105 ALL	643146.8	4249098	NonCancel	1.30E-03	1.43E-03	8.22E-06	7.27E-06	5.23E-07	1.30E-03	2.16E-03	1.30E-03	1.79E-07	0.00E+00	3.62E-08	2.12E-04	0.00E+00	0.00E+00	2.16E-03
106 ALL	643246.8	4249098	NonCancel	1.37E-03	1.50E-03	8.59E-06	7.95E-06	5.52E-07	1.37E-03	3.14E-03	1.37E-03	1.86E-07	0.00E+00	3.83E-08	2.23E-04	0.00E+00	0.00E+00	3.14E-03
107 ALL	643346.8	4249098	NonCancel	1.42E-03	1.56E-03	8.84E-06	8.65E-06	5.75E-07	1.43E-03	2.44E-03	1.42E-03	1.92E-07	0.00E+00	4.02E-08	2.31E-04	0.00E+00	0.00E+00	2.44E-03
108 ALL	643446.8	4249098	NonCancel	1.46E-03	1.61E-03	8.96E-06	9.41E-06	5.93E-07	1.47E-03	2.15E-03	1.46E-03	1.97E-07	0.00E+00	4.20E-08	2.36E-04	0.00E+00	0.00E+00	2.15E-03
109 ALL	643546.8	4249098	NonCancel	1.49E-03	1.64E-03	8.93E-06	1.04E-05	6.08E-07	1.50E-03	2.09E-03	1.49E-03	2.06E-07	0.00E+00	4.47E-08	2.39E-04	0.00E+00	0.00E+00	2.09E-03
110 ALL	643646.8	4249098	NonCancel	1.53E-03	1.68E-03	8.83E-06	1.20E-05	6.29E-07	1.53E-03	2.08E-03	1.53E-03	2.21E-07	0.00E+00	4.90E-08	2.43E-04	0.00E+00	0.00E+00	2.08E-03
111 ALL	643746.8	4249098	NonCancel	1.61E-03	1.76E-03	8.90E-06	1.42E-05	6.68E-07	1.62E-03	2.15E-03	1.61E-03	2.43E-07	0.00E+00	5.54E-08	2.52E-04	0.00E+00	0.00E+00	2.15E-03
112 ALL	643846.8	4249098	NonCancel	1.76E-03	1.93E-03	9.30E-06	1.74E-05	7.40E-07	1.77E-03	2.32E-03	1.76E-03	2.77E-07	0.00E+00	6.49E-08	2.73E-04	0.00E+00	0.00E+00	2.32E-03
113 ALL	643946.8	4249098	NonCancel	1.92E-03	2.10E-03	9.62E-06	2.10E-05	8.15E-07	1.94E-03	2.51E-03	1.92E-03	3.10E-07	0.00E+00	7.51E-08	2.94E-04	0.00E+00	0.00E+00	2.51E-03
114 ALL	644046.8	4249098	NonCancel	2.13E-03	2.32E-03	1.02E-05	2.52E-05	9.08E-07	2.14E-03	2.75E-03	2.13E-03	3.49E-07	0.00E+00	8.69E-08	3.21E-04	0.00E+00	0.00E+00	2.75E-03
115 ALL	644146.8	4249098	NonCancel	2.34E-03	2.55E-03	1.08E-05	2.89E-05	1.00E-06	2.35E-03	3.00E-03	2.34E-03	3.83E-07	0.00E+00	9.73E-08	3.49E-04	0.00E+00	0.00E+00	3.00E-03
116 ALL	644246.8	4249098	NonCancel	2.50E-03	2.73E-03	1.15E-05	3.15E-05	1.07E-06	2.52E-03	3.19E-03	2.50E-03	4.05E-07	0.00E+00	1.04E-07	3.73E-04	0.00E+00	0.00E+00	3.19E-03
117 ALL	644346.8	4249098	NonCancel	2.58E-03	2.81E-03	1.18E-05	3.23E-05	1.10E-06	2.60E-03	3.28E-03	2.58E-03	4.11E-07	0.00E+00	1.06E-07	3.84E-04	0.00E+00	0.00E+00	3.28E-03
118 ALL	644446.8	4249098	NonCancel	2.56E-03	2.79E-03	1.18E-05	3.17E-05	1.09E-06	2.57E-03	3.24E-03	2.56E-03	4.00E-07	0.00E+00	1.04E-07	3.81E-04	0.00E+00	0.00E+00	3.24E-03
119 ALL	644546.8	4249098	NonCancel	2.46E-03	2.68E-03	1.15E-05	3.01E-05	1.05E-06	2.48E-03	3.11E-03	2.46E-03	3.80E-07	0.00E+00	9.84E-08	3.67E-04	0.00E+00	0.00E+00	3.11E-03
120 ALL	644646.8	4249098	NonCancel	2.32E-03	2.53E-03	1.09E-05	2.81E-05	9.88E-07	2.33E-03	2.93E-03	2.32E-03	3.57E-07	0.00E+00	9.22E-08	3.46E-04	0.00E+00	0.00E+00	2.93E-03
121 ALL	644746.8	4249098	NonCancel	2.16E-03	2.36E-03	1.02E-05	2.61E-05	9.22E-07	2.18E-03	2.73E-03	2.16E-03	3.35E-07	0.00E+00	8.59E-08	3.24E-04	0.00E+00	0.00E+00	2.73E-03
122 ALL	644846.8	4249098	NonCancel	2.02E-03	2.21E-03	9.60E-06	2.41E-05	8.60E-07	2.03E-03	2.55E-03	2.02E-03	3.13E-07	0.00E+00	7.98E-08	3.03E-04	0.00E+00	0.00E+00	2.55E-03
123 ALL	644946.8	4249098	NonCancel	1.88E-03	2.06E-03	9.02E-06	2.21E-05	8.00E-07	1.89E-03	2.37E-03	1.88E-03	2.92E-07	0.00E+00	7.38E-08	2.83E-04	0.00E+00	0.00E+00	2.37E-03
124 ALL	645046.8	4249098	NonCancel	1.75E-03	1.91E-03	8.49E-06	2.02E-05	7.43E-07	1.76E-03	2.21E-03	1.75E-03	2.71E-07	0.00E+00	6.81E-08	2.64E-04	0.00E+00	0.00E+00	2.21E-03
125 ALL	645146.8	4249098	NonCancel	1.63E-03	1.79E-03	8.00E-06	1.85E-05	6.93E-07	1.65E-03	2.06E-03	1.63E-03	2.54E-07	0.00E+00	6.30E-08	2.47E-04	0.00E+00	0.00E+00	2.06E-03
126 ALL	645246.8	4249098	NonCancel	1.52E-03	1.67E-03	7.54E-06	1.70E-05	6.45E-07	1.53E-03	1.92E-03	1.52E-03	2.37E-07	0.00E+00	5.83E-08	2.31E-04	0.00E+00	0.00E+00	1.92E-03
127 ALL	645346.8	4249098	NonCancel	1.42E-03	1.56E-03	7.11E-06	1.56E-05	6.02E-07	1.43E-03	1.80E-03	1.42E-03	2.22E-07	0.00E+00	5.42E-08	2.16E-04	0.00E+00	0.00E+00	1.80E-03
128 ALL	642446.8	4249198	NonCancel	8.54E-04	9.40E-04	5.50E-06	4.49E-06	3.45E-07	8.58E-04	1.10E-03	8.54E-04	1.28E-07	0.00E+00	2.44E-08	1.41E-04	0.00E+00	0.00E+00	1.10E-03
129 ALL	642546.8	4249198	NonCancel	9.05E-04	9.97E-04	5.84E-06	4.70E-06	3.65E-07	9.09E-04	1.17E-03	9.05E-04	1.33E-07	0.00E+00	2.55E-08	1.49E-04	0.00E+00	0.00E+00	1.17E-03
130 ALL	642646.8	4249198	NonCancel	9.60E-04	1.06E-03	6.20E-06	4.97E-06	3.87E-07	9.64E-04	1.25E-03	9.60E-04	1.39E-07	0.00E+00	2.69E-08	1.58E-04	0.00E+00	0.00E+00	1.25E-03
131 ALL	642746.8	4249198	NonCancel	1.03E-03	1.13E-03	6.64E-06	5.29E-06	4.14E-07	1.03E-03	1.35E-03	1.03E-03	1.47E-07	0.00E+00	2.86E-08	1.70E-04	0.00E+00	0.00E+00	1.35E-03
132 ALL	642846.8	4249198	NonCancel	1.12E-03	1.23E-03	7.23E-06	5.73E-06	4.50E-07	1.12E-03	1.50E-03	1.12E-03	1.58E-07	0.00E+00	3.08E-08	1.84E-04	0.00E+00	0.00E+00	1.50E-03
133 ALL	642946.8	4249198	NonCancel	1.20E-03	1.32E-03	7.74E-06	6.20E-06	4.83E-07	1.20E-03	1.65E-03	1.20E-03	1.67E-07	0.00E+00	3.29E-08	1.97E-04	0.00E+00	0.00E+00	1.65E-03
134 ALL	643046.8	4249198	NonCancel	1.28E-03	1.41E-03	8.24E-06	6.78E-06	5.17E-07	1.29E-03	1.83E-03	1.28E-03	1.76E-07	0.00E+00	3.52E-08	2.11E-04	0.00E+00	0.00E+00	1.83E-03
135 ALL	643146.8	4249198	NonCancel	1.37E-03	1.51E-03	8.74E-06	7.47E-06	5.52E-07	1.37E-03	2.04E-03	1.37E-03	1.86E-07	0.00E+00	3.77E-08	2.25E-04	0.00E+00	0.00E+00	2.04E-03
136 ALL	643246.8	4249198	NonCancel	1.45E-03	1.60E-03	9.19E-06	8.23E-06	5.87E-07	1.46E-03	2.39E-03	1.45E-03	1.94E-07	0.00E+00	4.02E-08	2.37E-04	0.00E+00	0.00E+00	2.39E-03
137 ALL	643346.8	4249198	NonCancel	1.53E-03	1.68E-03	9.55E-06	9.05E-06	6.17E-07	1.53E-03	3.06E-03	1.53E-03	2.02E-07	0.00E+00	4.25E-08	2.48E-04	0.00E+00	0.00E+00	3.06E-03
138 ALL	643446.8	4249198	NonCancel	1.58E-03	1.73E-03	9.72E-06	9.95E-06	6.39E-07	1.58E-03	2.99E-03	1.58E-03	2.09E-07	0.00E+00	4.46E-08	2.55E-04	0.00E+00	0.00E+00	2.99E-03
139 ALL	643546.8	4249198	NonCancel	1.62E-03	1.78E-03	9.74E-06	1.12E-05	6.60E-07	1.63E-03	2.35E-03	1.62E-03	2.21E-07	0.00E+00	4.80E-08	2.60E-04	0.00E+00	0.00E+00	2.35E-03
140 ALL	643646.8	4249198	NonCancel	1.66E-03	1.83E-03	9.64E-06	1.30E-05	6.85E-07	1.67E-03	2.32E-03	1.66E-03	2.38E-07	0.00E+00	5.32E-08	2.65E-04	0.00E+00	0.00E+00	2.32E-03
141 ALL	643746.8	4249198	NonCancel	1.76E-03	1.93E-03	9.71E-06	1.56E-05	7.31E-07	1.77E-03	2.38E-03	1.76E-03	2.64E-07	0.00E+00	6.07E-08	2.76E-04	0.00E+00	0.00E+00	2.38E-03
142 ALL	643846.8	4249198	NonCancel	1.95E-03	2.14E-03	1.02E-05	1.95E-05	8.19E-07	1.96E-03	2.59E-03	1.95E-03	3.06E-07	0.00E+00	7.22E-08	3.01E-04	0.00E+00	0.00E+00	2.59E-03
143 ALL	643946.8	4249198	NonCancel	2.15E-03	2.36E-03	1.07E-05	2.39E-05	9.14E-07	2.17E-03	2.82E-03	2.15E-03	3.48E-07	0.00E+00	8.49E-08	3.28E-04	0.00E+00	0.00E+00	2.82E-03
144 ALL	644046.8	4249198	NonCancel	2.39E-03	2.61E-03	1.13E-05	2.85E-05	1.02E-06	2.40E-03	3.09E-03	2.39E-03	3.90E-07	0.00E+00	9.77E-08	3.59E-04	0.00E+00	0.00E+00	3.09E-03
145 ALL	644146.8	4249198	NonCancel	2.61E-03	2.85E-03	1.21E-05	3.21E-05	1.12E-06	2.63E-03	3.35E-03	2.61E-03	4.23E-07	0.00E+00	1.08E-07	3.90E-04	0.00E+00	0.00E+00	3.35E-03
146 ALL	644246.8	4249198	NonCancel	2.76E-03	3.01E-03	1.28E-05	3.41E-05	1.18E-06	2.78E-03	3.52E-03	2.76E-03	4.40E-07	0.00E+00	1.13E-07	4.12E-04	0.00E+00	0.00E+00	3.52E-03
147 ALL	644346.8	4249198	NonCancel	2.79E-03	3.04E-03	1.31E-05	3.41E-05	1.19E-06	2.81E-03	3.55E-03	2.79E-03	4.35E-07	0.00E+00	1.12E-07	4.17E-04	0.00E+00	0.00E+00	3.55E-03
148 ALL	644446.8	4249198	NonCancel	2.71E-03	2.96E-03	1.28E-05	3.26E-05	1.16E-06	2.73E-03	3.44E-03	2.71E-03	4.16E-07	0.00E+00	1.07E-07	4.06E-04	0.00E+00	0.00E+00	3.44E-03
149 ALL	644546.8	4249198	NonCancel	2.56E-03	2.80E-03	1.22E-05	3.04E-05	1.09E-06	2.58E-03	3.25E-03	2.56E-03	3.91E-07	0.00E+00	1.00E-07	3.85E-04	0.00E+00	0.00E+00	3.25E-03
150 ALL	644646.8	4249198	NonCancel	2.39E-03	2.61E-03	1.15E-05	2.80E-05	1.02E-06	2.41E-03	3.02E-03	2.39E-03	3.64E-07	0.00E+00	9.30E-08	3.59E-04	0.00E+00	0.00E+00	3.02E-03
151 ALL	644746.8	4249198	NonCancel	2.22E-03	2.42E-03	1.07E-05	2.57E-05	9.42E-07	2.23E-03	2.81E-03	2.22E-03	3.39E-07	0.00E+00	8.60E-08	3.34E-04	0.00E+00	0.00E+00	2.81E-03
152 ALL	644846.8	4249198	NonCancel	2.06E-03	2.25E-03	1.01E-05	2.35E-05	8.73E-07	2.07E-03	2.60E-03	2.06E-03	3.15E-07	0.00E+00	7.93E-08	3.11E-04	0.00E+00	0.00E+00	2.60E-03
153 ALL	644946.8	4249198	NonCancel	1.91E-03	2.09E-03	9.44E-06	2.14E-05	8.09E-07	1.92E-03	2.42E-03	1.91E-03	2.93E-07	0.00E+00	7.29E-08	2.90E-04	0.00E+00	0.00E+00	2.42E-03
154 ALL	645046.8	4249198	NonCancel	1.77E-03														

155 ALL	645146.8	4249198	NonCancel	1.64E-03	1.80E-03	8.31E-06	1.77E-05	6.94E-07	1.66E-03	2.08E-03	1.64E-03	2.53E-07	0.00E+00	6.15E-08	2.51E-04	0.00E+00	0.00E+00	2.08E-03
156 ALL	645246.8	4249198	NonCancel	1.53E-03	1.67E-03	7.79E-06	1.61E-05	6.43E-07	1.54E-03	1.93E-03	1.53E-03	2.35E-07	0.00E+00	5.66E-08	2.33E-04	0.00E+00	0.00E+00	1.93E-03
157 ALL	645346.8	4249198	NonCancel	1.42E-03	1.55E-03	7.30E-06	1.48E-05	5.97E-07	1.43E-03	1.79E-03	1.42E-03	2.20E-07	0.00E+00	5.24E-08	2.18E-04	0.00E+00	0.00E+00	1.79E-03
158 ALL	642446.8	4249298	NonCancel	8.85E-04	9.75E-04	5.72E-06	4.53E-06	3.57E-07	8.89E-04	1.15E-03	8.85E-04	1.32E-07	0.00E+00	2.51E-08	1.46E-04	0.00E+00	0.00E+00	1.15E-03
159 ALL	642546.8	4249298	NonCancel	9.43E-04	1.04E-03	6.12E-06	4.75E-06	3.80E-07	9.46E-04	1.22E-03	9.42E-04	1.38E-07	0.00E+00	2.63E-08	1.56E-04	0.00E+00	0.00E+00	1.22E-03
160 ALL	642646.8	4249298	NonCancel	1.00E-03	1.11E-03	6.52E-06	5.03E-06	4.04E-07	1.01E-03	1.31E-03	1.00E-03	1.44E-07	0.00E+00	2.77E-08	1.66E-04	0.00E+00	0.00E+00	1.31E-03
161 ALL	642746.8	4249298	NonCancel	1.09E-03	1.20E-03	7.08E-06	5.42E-06	4.38E-07	1.09E-03	1.43E-03	1.09E-03	1.55E-07	0.00E+00	2.99E-08	1.80E-04	0.00E+00	0.00E+00	1.43E-03
162 ALL	642846.8	4249298	NonCancel	1.17E-03	1.29E-03	7.59E-06	5.82E-06	4.69E-07	1.17E-03	1.56E-03	1.17E-03	1.62E-07	0.00E+00	3.18E-08	1.93E-04	0.00E+00	0.00E+00	1.56E-03
163 ALL	642946.8	4249298	NonCancel	1.25E-03	1.38E-03	8.14E-06	6.31E-06	5.04E-07	1.26E-03	1.71E-03	1.25E-03	1.71E-07	0.00E+00	3.39E-08	2.07E-04	0.00E+00	0.00E+00	1.71E-03
164 ALL	643046.8	4249298	NonCancel	1.35E-03	1.49E-03	8.71E-06	6.93E-06	5.43E-07	1.35E-03	1.87E-03	1.35E-03	1.81E-07	0.00E+00	3.64E-08	2.22E-04	0.00E+00	0.00E+00	1.87E-03
165 ALL	643146.8	4249298	NonCancel	1.45E-03	1.60E-03	9.32E-06	7.71E-06	5.85E-07	1.46E-03	2.08E-03	1.45E-03	1.93E-07	0.00E+00	3.94E-08	2.39E-04	0.00E+00	0.00E+00	2.08E-03
166 ALL	643246.8	4249298	NonCancel	1.56E-03	1.71E-03	9.90E-06	8.59E-06	6.27E-07	1.56E-03	2.32E-03	1.55E-03	2.04E-07	0.00E+00	4.24E-08	2.55E-04	0.00E+00	0.00E+00	2.32E-03
167 ALL	643346.8	4249298	NonCancel	1.65E-03	1.81E-03	1.04E-05	9.54E-06	6.64E-07	1.65E-03	2.58E-03	1.64E-03	2.14E-07	0.00E+00	4.51E-08	2.68E-04	0.00E+00	0.00E+00	2.58E-03
168 ALL	643446.8	4249298	NonCancel	1.71E-03	1.88E-03	1.06E-05	1.06E-05	6.92E-07	1.72E-03	2.87E-03	1.71E-03	2.22E-07	0.00E+00	4.77E-08	2.77E-04	0.00E+00	0.00E+00	2.87E-03
169 ALL	643546.8	4249298	NonCancel	1.77E-03	1.94E-03	1.07E-05	1.20E-05	7.20E-07	1.78E-03	3.37E-03	1.77E-03	2.37E-07	0.00E+00	5.19E-08	2.84E-04	0.00E+00	0.00E+00	3.37E-03
170 ALL	643646.8	4249298	NonCancel	1.83E-03	2.01E-03	1.06E-05	1.43E-05	7.54E-07	1.84E-03	2.64E-03	1.83E-03	2.60E-07	0.00E+00	5.84E-08	2.91E-04	0.00E+00	0.00E+00	2.64E-03
171 ALL	643746.8	4249298	NonCancel	1.94E-03	2.13E-03	1.07E-05	1.74E-05	8.08E-07	1.95E-03	2.69E-03	1.94E-03	2.90E-07	0.00E+00	6.74E-08	3.04E-04	0.00E+00	0.00E+00	2.69E-03
172 ALL	643846.8	4249298	NonCancel	2.18E-03	2.38E-03	1.13E-05	2.22E-05	9.16E-07	2.19E-03	2.92E-03	2.18E-03	3.41E-07	0.00E+00	8.15E-08	3.36E-04	0.00E+00	0.00E+00	2.92E-03
173 ALL	643946.8	4249298	NonCancel	2.43E-03	2.66E-03	1.20E-05	2.75E-05	1.03E-06	2.45E-03	3.20E-03	2.43E-03	3.93E-07	0.00E+00	9.67E-08	3.70E-04	0.00E+00	0.00E+00	3.20E-03
174 ALL	644046.8	4249298	NonCancel	2.70E-03	2.95E-03	1.28E-05	3.24E-05	1.15E-06	2.72E-03	3.50E-03	2.70E-03	4.38E-07	0.00E+00	1.11E-07	4.06E-04	0.00E+00	0.00E+00	3.50E-03
175 ALL	644146.8	4249298	NonCancel	2.92E-03	3.19E-03	1.37E-05	3.56E-05	1.25E-06	2.94E-03	3.76E-03	2.92E-03	4.67E-07	0.00E+00	1.20E-07	4.38E-04	0.00E+00	0.00E+00	3.76E-03
176 ALL	644246.8	4249298	NonCancel	3.03E-03	3.31E-03	1.43E-05	3.66E-05	1.29E-06	3.06E-03	3.88E-03	3.03E-03	4.74E-07	0.00E+00	1.22E-07	4.55E-04	0.00E+00	0.00E+00	3.88E-03
177 ALL	644346.8	4249298	NonCancel	3.00E-03	3.28E-03	1.44E-05	3.55E-05	1.28E-06	3.02E-03	3.82E-03	3.00E-03	4.58E-07	0.00E+00	1.18E-07	4.51E-04	0.00E+00	0.00E+00	3.82E-03
178 ALL	644446.8	4249298	NonCancel	2.86E-03	3.12E-03	1.38E-05	3.31E-05	1.21E-06	2.88E-03	3.63E-03	2.86E-03	4.30E-07	0.00E+00	1.10E-07	4.31E-04	0.00E+00	0.00E+00	3.63E-03
179 ALL	644546.8	4249298	NonCancel	2.66E-03	2.91E-03	1.30E-05	3.04E-05	1.13E-06	2.68E-03	3.37E-03	2.66E-03	3.99E-07	0.00E+00	1.02E-07	4.02E-04	0.00E+00	0.00E+00	3.37E-03
180 ALL	644646.8	4249298	NonCancel	2.46E-03	2.69E-03	1.21E-05	2.77E-05	1.04E-06	2.47E-03	3.11E-03	2.46E-03	3.70E-07	0.00E+00	9.32E-08	3.72E-04	0.00E+00	0.00E+00	3.11E-03
181 ALL	644746.8	4249298	NonCancel	2.27E-03	2.48E-03	1.13E-05	2.51E-05	9.58E-07	2.28E-03	2.87E-03	2.27E-03	3.42E-07	0.00E+00	8.54E-08	3.44E-04	0.00E+00	0.00E+00	2.87E-03
182 ALL	644846.8	4249298	NonCancel	2.09E-03	2.29E-03	1.05E-05	2.26E-05	8.82E-07	2.11E-03	2.65E-03	2.09E-03	3.16E-07	0.00E+00	7.79E-08	3.19E-04	0.00E+00	0.00E+00	2.65E-03
183 ALL	644946.8	4249298	NonCancel	1.93E-03	2.11E-03	9.84E-06	2.04E-05	8.12E-07	1.94E-03	2.44E-03	1.93E-03	2.91E-07	0.00E+00	7.11E-08	2.95E-04	0.00E+00	0.00E+00	2.44E-03
184 ALL	645046.8	4249298	NonCancel	1.78E-03	1.95E-03	9.19E-06	1.83E-05	7.48E-07	1.79E-03	2.25E-03	1.78E-03	2.69E-07	0.00E+00	6.48E-08	2.73E-04	0.00E+00	0.00E+00	2.25E-03
185 ALL	645146.8	4249298	NonCancel	1.64E-03	1.80E-03	8.58E-06	1.66E-05	6.89E-07	1.65E-03	2.08E-03	1.64E-03	2.50E-07	0.00E+00	5.93E-08	2.53E-04	0.00E+00	0.00E+00	2.08E-03
186 ALL	645246.8	4249298	NonCancel	1.52E-03	1.67E-03	8.01E-06	1.51E-05	6.38E-07	1.53E-03	1.92E-03	1.52E-03	2.32E-07	0.00E+00	5.46E-08	2.35E-04	0.00E+00	0.00E+00	1.92E-03
187 ALL	645346.8	4249298	NonCancel	1.41E-03	1.55E-03	7.48E-06	1.39E-05	5.92E-07	1.42E-03	1.79E-03	1.41E-03	2.17E-07	0.00E+00	5.05E-08	2.19E-04	0.00E+00	0.00E+00	1.79E-03
188 ALL	642446.8	4249398	NonCancel	9.15E-04	1.01E-03	5.94E-06	4.59E-06	3.69E-07	9.19E-04	1.19E-03	9.15E-04	1.37E-07	0.00E+00	2.59E-08	1.51E-04	0.00E+00	0.00E+00	1.19E-03
189 ALL	642546.8	4249398	NonCancel	9.85E-04	1.08E-03	6.42E-06	4.83E-06	3.97E-07	9.89E-04	1.28E-03	9.85E-04	1.44E-07	0.00E+00	2.73E-08	1.63E-04	0.00E+00	0.00E+00	1.28E-03
190 ALL	642646.8	4249398	NonCancel	1.05E-03	1.16E-03	6.88E-06	5.11E-06	4.23E-07	1.06E-03	1.37E-03	1.05E-03	1.50E-07	0.00E+00	2.87E-08	1.74E-04	0.00E+00	0.00E+00	1.37E-03
191 ALL	642746.8	4249398	NonCancel	1.12E-03	1.24E-03	7.35E-06	5.46E-06	4.52E-07	1.13E-03	1.48E-03	1.12E-03	1.57E-07	0.00E+00	3.04E-08	1.86E-04	0.00E+00	0.00E+00	1.48E-03
192 ALL	642846.8	4249398	NonCancel	1.21E-03	1.33E-03	7.90E-06	5.89E-06	4.86E-07	1.21E-03	1.61E-03	1.21E-03	1.65E-07	0.00E+00	3.25E-08	2.00E-04	0.00E+00	0.00E+00	1.61E-03
193 ALL	642946.8	4249398	NonCancel	1.31E-03	1.45E-03	8.57E-06	6.44E-06	5.27E-07	1.32E-03	1.77E-03	1.31E-03	1.76E-07	0.00E+00	3.50E-08	2.17E-04	0.00E+00	0.00E+00	1.77E-03
194 ALL	643046.8	4249398	NonCancel	1.43E-03	1.57E-03	9.28E-06	7.13E-06	5.73E-07	1.43E-03	1.95E-03	1.43E-03	1.88E-07	0.00E+00	3.80E-08	2.36E-04	0.00E+00	0.00E+00	1.95E-03
195 ALL	643146.8	4249398	NonCancel	1.55E-03	1.70E-03	9.98E-06	7.99E-06	6.22E-07	1.55E-03	2.15E-03	1.55E-03	2.01E-07	0.00E+00	4.13E-08	2.55E-04	0.00E+00	0.00E+00	2.15E-03
196 ALL	643246.8	4249398	NonCancel	1.67E-03	1.84E-03	1.07E-05	8.99E-06	6.72E-07	1.67E-03	2.37E-03	1.67E-03	2.14E-07	0.00E+00	4.48E-08	2.74E-04	0.00E+00	0.00E+00	2.37E-03
197 ALL	643346.8	4249398	NonCancel	1.78E-03	1.96E-03	1.12E-05	1.01E-05	7.17E-07	1.78E-03	2.59E-03	1.78E-03	2.26E-07	0.00E+00	4.81E-08	2.90E-04	0.00E+00	0.00E+00	2.59E-03
198 ALL	643446.8	4249398	NonCancel	1.87E-03	2.05E-03	1.16E-05	1.14E-05	7.55E-07	1.87E-03	2.79E-03	1.87E-03	2.37E-07	0.00E+00	5.14E-08	3.03E-04	0.00E+00	0.00E+00	2.79E-03
199 ALL	643546.8	4249398	NonCancel	1.94E-03	2.13E-03	1.18E-05	1.31E-05	7.90E-07	1.95E-03	3.10E-03	1.94E-03	2.56E-07	0.00E+00	5.64E-08	3.12E-04	0.00E+00	0.00E+00	3.10E-03
200 ALL	643646.8	4249398	NonCancel	2.03E-03	2.23E-03	1.18E-05	1.59E-05	8.37E-07	2.04E-03	2.87E-03	2.03E-03	2.87E-07	0.00E+00	6.48E-08	3.23E-04	0.00E+00	0.00E+00	2.87E-03
201 ALL	643746.8	4249398	NonCancel	2.19E-03	2.41E-03	1.20E-05	2.00E-05	9.15E-07	2.21E-03	3.12E-03	2.19E-03	3.29E-07	0.00E+00	7.68E-08	3.43E-04	0.00E+00	0.00E+00	3.12E-03
202 ALL	643846.8	4249398	NonCancel	2.46E-03	2.69E-03	1.26E-05	2.56E-05	1.04E-06	2.47E-03	3.35E-03	2.46E-03	3.86E-07	0.00E+00	9.32E-08	3.78E-04	0.00E+00	0.00E+00	3.35E-03
203 ALL	643946.8	4249398	NonCancel	2.77E-03	3.03E-03	1.35E-05	3.18E-05	1.18E-06	2.79E-03	3.66E-03	2.77E-03	4.46E-07	0.00E+00	1.11E-07	4.19E-04	0.00E+00	0.00E+00	3.66E-03
204 ALL	644046.8	4249398	NonCancel	3.07E-03	3.35E-03	1.46E-05	3.68E-05	1.31E-06	3.09E-03	3.99E-03	3.07E-03	4.92E-07	0.00E+00	1.25E-07	4.62E-04	0.00E+00	0.00E+00	3.99E-03
205 ALL	644146.8	4249398	NonCancel	3.28E-03	3.58E-03	1.56E-05	3.93E-05	1.40E-06	3.30E-03	4.23E-03	3.28E-03	5.14E-07	0.00E+00	1.32E-07	4.93E-04	0.00E+00	0.00E+00	4.23E-03
206 ALL	644246.8	4249398	NonCancel	3.33E-03														

207	ALL	644346.8	4249398	NonCancel	3.21E-03	3.51E-03	1.57E-05	3.64E-05	1.36E-06	3.23E-03	4.09E-03	3.21E-03	4.77E-07	0.00E+00	1.22E-07	4.85E-04	0.00E+00	0.00E+00	4.09E-03
208	ALL	644446.8	4249398	NonCancel	2.99E-03	3.27E-03	1.48E-05	3.33E-05	1.26E-06	3.01E-03	3.80E-03	2.99E-03	4.41E-07	0.00E+00	1.12E-07	4.54E-04	0.00E+00	0.00E+00	3.80E-03
209	ALL	644546.8	4249398	NonCancel	2.75E-03	3.01E-03	1.38E-05	3.01E-05	1.16E-06	2.77E-03	3.49E-03	2.75E-03	4.06E-07	0.00E+00	1.02E-07	4.18E-04	0.00E+00	0.00E+00	3.49E-03
210	ALL	644646.8	4249398	NonCancel	2.52E-03	2.76E-03	1.28E-05	2.70E-05	1.06E-06	2.54E-03	3.20E-03	2.52E-03	3.73E-07	0.00E+00	9.27E-08	3.84E-04	0.00E+00	0.00E+00	3.20E-03
211	ALL	644746.8	4249398	NonCancel	2.31E-03	2.53E-03	1.18E-05	2.41E-05	9.71E-07	2.33E-03	2.93E-03	2.31E-03	3.42E-07	0.00E+00	8.39E-08	3.54E-04	0.00E+00	0.00E+00	2.93E-03
212	ALL	644846.8	4249398	NonCancel	2.12E-03	2.32E-03	1.10E-05	2.15E-05	8.87E-07	2.13E-03	2.68E-03	2.12E-03	3.14E-07	0.00E+00	7.58E-08	3.25E-04	0.00E+00	0.00E+00	2.68E-03
213	ALL	644946.8	4249398	NonCancel	1.94E-03	2.12E-03	1.02E-05	1.91E-05	8.12E-07	1.95E-03	2.46E-03	1.94E-03	2.88E-07	0.00E+00	6.86E-08	2.99E-04	0.00E+00	0.00E+00	2.46E-03
214	ALL	645046.8	4249398	NonCancel	1.73E-03	1.89E-03	9.19E-06	1.68E-05	7.23E-07	1.74E-03	2.19E-03	1.73E-03	2.56E-07	0.00E+00	6.07E-08	2.68E-04	0.00E+00	0.00E+00	2.19E-03
215	ALL	645146.8	4249398	NonCancel	1.62E-03	1.77E-03	8.70E-06	1.53E-05	6.75E-07	1.63E-03	2.05E-03	1.62E-03	2.41E-07	0.00E+00	5.63E-08	2.51E-04	0.00E+00	0.00E+00	2.05E-03
216	ALL	645246.8	4249398	NonCancel	1.52E-03	1.66E-03	8.21E-06	1.41E-05	6.32E-07	1.53E-03	1.92E-03	1.52E-03	2.28E-07	0.00E+00	5.25E-08	2.36E-04	0.00E+00	0.00E+00	1.92E-03
217	ALL	645346.8	4249398	NonCancel	1.41E-03	1.54E-03	7.64E-06	1.30E-05	5.87E-07	1.42E-03	1.78E-03	1.41E-03	2.13E-07	0.00E+00	4.88E-08	2.19E-04	0.00E+00	0.00E+00	1.78E-03
218	ALL	642446.8	4249498	NonCancel	9.44E-04	1.04E-03	6.15E-06	4.66E-06	3.81E-07	9.48E-04	1.22E-03	9.44E-04	1.41E-07	0.00E+00	2.67E-08	1.56E-04	0.00E+00	0.00E+00	1.22E-03
219	ALL	642546.8	4249498	NonCancel	1.02E-03	1.13E-03	6.71E-06	4.91E-06	4.12E-07	1.03E-03	1.33E-03	1.02E-03	1.50E-07	0.00E+00	2.83E-08	1.70E-04	0.00E+00	0.00E+00	1.33E-03
220	ALL	642646.8	4249498	NonCancel	1.10E-03	1.22E-03	7.25E-06	5.21E-06	4.43E-07	1.11E-03	1.44E-03	1.10E-03	1.57E-07	0.00E+00	2.99E-08	1.83E-04	0.00E+00	0.00E+00	1.44E-03
221	ALL	642746.8	4249498	NonCancel	1.19E-03	1.31E-03	7.79E-06	5.58E-06	4.76E-07	1.19E-03	1.56E-03	1.19E-03	1.63E-07	0.00E+00	3.17E-08	1.97E-04	0.00E+00	0.00E+00	1.56E-03
222	ALL	642846.8	4249498	NonCancel	1.28E-03	1.41E-03	8.38E-06	6.04E-06	5.12E-07	1.28E-03	1.69E-03	1.28E-03	1.72E-07	0.00E+00	3.38E-08	2.12E-04	0.00E+00	0.00E+00	1.69E-03
223	ALL	642946.8	4249498	NonCancel	1.38E-03	1.52E-03	9.07E-06	6.62E-06	5.55E-07	1.39E-03	1.85E-03	1.38E-03	1.82E-07	0.00E+00	3.65E-08	2.29E-04	0.00E+00	0.00E+00	1.85E-03
224	ALL	643046.8	4249498	NonCancel	1.51E-03	1.67E-03	9.87E-06	7.36E-06	6.06E-07	1.52E-03	2.04E-03	1.51E-03	1.95E-07	0.00E+00	3.96E-08	2.50E-04	0.00E+00	0.00E+00	2.04E-03
225	ALL	643146.8	4249498	NonCancel	1.65E-03	1.82E-03	1.07E-05	8.32E-06	6.62E-07	1.66E-03	2.25E-03	1.65E-03	2.10E-07	0.00E+00	4.34E-08	2.72E-04	0.00E+00	0.00E+00	2.25E-03
226	ALL	643246.8	4249498	NonCancel	1.80E-03	1.98E-03	1.15E-05	9.48E-06	7.22E-07	1.80E-03	2.48E-03	1.80E-03	2.26E-07	0.00E+00	4.76E-08	2.95E-04	0.00E+00	0.00E+00	2.48E-03
227	ALL	643346.8	4249498	NonCancel	1.93E-03	2.13E-03	1.23E-05	1.08E-05	7.78E-07	1.94E-03	2.69E-03	1.93E-03	2.40E-07	0.00E+00	5.16E-08	3.16E-04	0.00E+00	0.00E+00	2.69E-03
228	ALL	643446.8	4249498	NonCancel	2.05E-03	2.25E-03	1.28E-05	1.23E-05	8.28E-07	2.06E-03	2.91E-03	2.05E-03	2.55E-07	0.00E+00	5.58E-08	3.33E-04	0.00E+00	0.00E+00	2.91E-03
229	ALL	643546.8	4249498	NonCancel	2.15E-03	2.36E-03	1.30E-05	1.45E-05	8.73E-07	2.16E-03	3.10E-03	2.15E-03	2.78E-07	0.00E+00	6.20E-08	3.46E-04	0.00E+00	0.00E+00	3.10E-03
230	ALL	643646.8	4249498	NonCancel	2.27E-03	2.49E-03	1.31E-05	1.79E-05	9.33E-07	2.28E-03	3.47E-03	2.27E-03	3.17E-07	0.00E+00	7.25E-08	3.60E-04	0.00E+00	0.00E+00	3.47E-03
231	ALL	643746.8	4249498	NonCancel	2.48E-03	2.72E-03	1.34E-05	2.32E-05	1.04E-06	2.49E-03	3.40E-03	2.48E-03	3.72E-07	0.00E+00	8.80E-08	3.86E-04	0.00E+00	0.00E+00	3.40E-03
232	ALL	643846.8	4249498	NonCancel	2.81E-03	3.07E-03	1.42E-05	3.01E-05	1.19E-06	2.83E-03	3.91E-03	2.81E-03	4.42E-07	0.00E+00	1.08E-07	4.30E-04	0.00E+00	0.00E+00	3.91E-03
233	ALL	643946.8	4249498	NonCancel	3.18E-03	3.48E-03	1.54E-05	3.71E-05	1.36E-06	3.21E-03	4.26E-03	3.18E-03	5.10E-07	0.00E+00	1.28E-07	4.81E-04	0.00E+00	0.00E+00	4.26E-03
234	ALL	644046.8	4249498	NonCancel	3.52E-03	3.84E-03	1.67E-05	4.18E-05	1.50E-06	3.54E-03	4.60E-03	3.52E-03	5.55E-07	0.00E+00	1.42E-07	5.29E-04	0.00E+00	0.00E+00	4.60E-03
235	ALL	644146.8	4249498	NonCancel	3.67E-03	4.01E-03	1.77E-05	4.28E-05	1.56E-06	3.70E-03	4.75E-03	3.67E-03	5.61E-07	0.00E+00	1.44E-07	5.54E-04	0.00E+00	0.00E+00	4.75E-03
236	ALL	644246.8	4249498	NonCancel	3.62E-03	3.96E-03	1.78E-05	4.06E-05	1.53E-06	3.64E-03	4.64E-03	3.62E-03	5.34E-07	0.00E+00	1.37E-07	5.48E-04	0.00E+00	0.00E+00	4.64E-03
237	ALL	644346.8	4249498	NonCancel	3.40E-03	3.72E-03	1.71E-05	3.70E-05	1.43E-06	3.42E-03	4.34E-03	3.40E-03	4.93E-07	0.00E+00	1.25E-07	5.17E-04	0.00E+00	0.00E+00	4.34E-03
238	ALL	644446.8	4249498	NonCancel	3.11E-03	3.41E-03	1.58E-05	3.31E-05	1.31E-06	3.13E-03	3.97E-03	3.11E-03	4.51E-07	0.00E+00	1.13E-07	4.75E-04	0.00E+00	0.00E+00	3.97E-03
239	ALL	644546.8	4249498	NonCancel	2.83E-03	3.10E-03	1.46E-05	2.93E-05	1.19E-06	2.85E-03	3.60E-03	2.83E-03	4.11E-07	0.00E+00	1.02E-07	4.34E-04	0.00E+00	0.00E+00	3.60E-03
240	ALL	644646.8	4249498	NonCancel	2.58E-03	2.82E-03	1.35E-05	2.59E-05	1.08E-06	2.59E-03	3.27E-03	2.57E-03	3.74E-07	0.00E+00	9.11E-08	3.96E-04	0.00E+00	0.00E+00	3.27E-03
241	ALL	644746.8	4249498	NonCancel	2.34E-03	2.56E-03	1.24E-05	2.27E-05	9.78E-07	2.36E-03	2.97E-03	2.34E-03	3.40E-07	0.00E+00	8.15E-08	3.62E-04	0.00E+00	0.00E+00	2.97E-03
242	ALL	644846.8	4249498	NonCancel	2.13E-03	2.33E-03	1.15E-05	2.00E-05	8.87E-07	2.14E-03	2.70E-03	2.13E-03	3.10E-07	0.00E+00	7.30E-08	3.31E-04	0.00E+00	0.00E+00	2.70E-03
243	ALL	644946.8	4249498	NonCancel	1.94E-03	2.13E-03	1.06E-05	1.77E-05	8.07E-07	1.95E-03	2.46E-03	1.94E-03	2.84E-07	0.00E+00	6.58E-08	3.03E-04	0.00E+00	0.00E+00	2.46E-03
244	ALL	645046.8	4249498	NonCancel	1.74E-03	1.90E-03	9.54E-06	1.56E-05	7.21E-07	1.75E-03	2.20E-03	1.74E-03	2.53E-07	0.00E+00	5.85E-08	2.71E-04	0.00E+00	0.00E+00	2.20E-03
245	ALL	645146.8	4249498	NonCancel	1.61E-03	1.77E-03	8.93E-06	1.43E-05	6.70E-07	1.62E-03	2.05E-03	1.61E-03	2.37E-07	0.00E+00	5.40E-08	2.53E-04	0.00E+00	0.00E+00	2.05E-03
246	ALL	645246.8	4249498	NonCancel	1.51E-03	1.65E-03	8.36E-06	1.32E-05	6.25E-07	1.52E-03	1.91E-03	1.51E-03	2.24E-07	0.00E+00	5.05E-08	2.36E-04	0.00E+00	0.00E+00	1.91E-03
247	ALL	645346.8	4249498	NonCancel	1.40E-03	1.53E-03	7.73E-06	1.23E-05	5.79E-07	1.40E-03	1.77E-03	1.40E-03	2.09E-07	0.00E+00	4.70E-08	2.19E-04	0.00E+00	0.00E+00	1.77E-03
248	ALL	642446.8	4249598	NonCancel	9.65E-04	1.06E-03	6.30E-06	4.72E-06	3.89E-07	9.69E-04	1.25E-03	9.65E-04	1.44E-07	0.00E+00	2.73E-08	1.60E-04	0.00E+00	0.00E+00	1.25E-03
249	ALL	642546.8	4249598	NonCancel	1.06E-03	1.16E-03	6.93E-06	4.99E-06	4.25E-07	1.06E-03	1.37E-03	1.06E-03	1.54E-07	0.00E+00	2.92E-08	1.75E-04	0.00E+00	0.00E+00	1.37E-03
250	ALL	642646.8	4249598	NonCancel	1.15E-03	1.27E-03	7.59E-06	5.31E-06	4.62E-07	1.16E-03	1.50E-03	1.15E-03	1.63E-07	0.00E+00	3.11E-08	1.91E-04	0.00E+00	0.00E+00	1.50E-03
251	ALL	642746.8	4249598	NonCancel	1.25E-03	1.38E-03	8.24E-06	5.71E-06	5.00E-07	1.25E-03	1.64E-03	1.25E-03	1.71E-07	0.00E+00	3.30E-08	2.07E-04	0.00E+00	0.00E+00	1.64E-03
252	ALL	642846.8	4249598	NonCancel	1.35E-03	1.49E-03	8.90E-06	6.21E-06	5.40E-07	1.35E-03	1.78E-03	1.35E-03	1.79E-07	0.00E+00	3.53E-08	2.24E-04	0.00E+00	0.00E+00	1.78E-03
253	ALL	642946.8	4249598	NonCancel	1.47E-03	1.61E-03	9.64E-06	6.84E-06	5.87E-07	1.47E-03	1.95E-03	1.46E-03	1.89E-07	0.00E+00	3.82E-08	2.43E-04	0.00E+00	0.00E+00	1.95E-03
254	ALL	643046.8	4249598	NonCancel	1.60E-03	1.77E-03	1.05E-05	7.64E-06	6.42E-07	1.61E-03	2.15E-03	1.60E-03	2.02E-07	0.00E+00	4.15E-08	2.66E-04	0.00E+00	0.00E+00	2.15E-03
255	ALL	643146.8	4249598	NonCancel	1.76E-03	1.94E-03	1.15E-05	8.71E-06	7.08E-07	1.77E-03	2.38E-03	1.76E-03	2.19E-07	0.00E+00	4.59E-08	2.92E-04	0.00E+00	0.00E+00	2.38E-03
256	ALL	643246.8	4249598	NonCancel	1.94E-03	2.13E-03	1.25E-05	1.00E-05	7.77E-07	1.94E-03	2.63E-03	1.94E-03	2.37E-07	0.00E+00	5.08E-08	3.19E-04	0.00E+00	0.00E+00	2.63E-03
257	ALL	643346.8	4249598	NonCancel</															

259	ALL	643546.8	4249598	NonCancel	2.39E-03	2.63E-03	1.45E-05	1.61E-05	9.73E-07	2.40E-03	3.33E-03	2.39E-03	3.04E-07	0.00E+00	6.88E-08	3.85E-04	0.00E+00	0.00E+00	3.33E-03
260	ALL	643646.8	4249598	NonCancel	2.55E-03	2.79E-03	1.46E-05	2.06E-05	1.05E-06	2.56E-03	3.60E-03	2.55E-03	3.54E-07	0.00E+00	8.23E-08	4.03E-04	0.00E+00	0.00E+00	3.60E-03
261	ALL	643746.8	4249598	NonCancel	2.83E-03	3.10E-03	1.50E-05	2.74E-05	1.19E-06	2.85E-03	4.18E-03	2.83E-03	4.26E-07	0.00E+00	1.03E-07	4.40E-04	0.00E+00	0.00E+00	4.18E-03
262	ALL	643846.8	4249598	NonCancel	3.26E-03	3.56E-03	1.62E-05	3.60E-05	1.38E-06	3.28E-03	4.52E-03	3.26E-03	5.14E-07	0.00E+00	1.28E-07	4.96E-04	0.00E+00	0.00E+00	4.52E-03
263	ALL	643946.8	4249598	NonCancel	3.71E-03	4.05E-03	1.78E-05	4.36E-05	1.58E-06	3.73E-03	5.05E-03	3.71E-03	5.88E-07	0.00E+00	1.50E-07	5.59E-04	0.00E+00	0.00E+00	5.05E-03
264	ALL	644046.8	4249598	NonCancel	4.03E-03	4.40E-03	1.94E-05	4.70E-05	1.71E-06	4.06E-03	5.32E-03	4.03E-03	6.20E-07	0.00E+00	1.59E-07	6.08E-04	0.00E+00	0.00E+00	5.32E-03
265	ALL	644146.8	4249598	NonCancel	4.09E-03	4.47E-03	2.02E-05	4.58E-05	1.73E-06	4.12E-03	5.31E-03	4.09E-03	6.03E-07	0.00E+00	1.55E-07	6.20E-04	0.00E+00	0.00E+00	5.31E-03
266	ALL	644246.8	4249598	NonCancel	3.90E-03	4.27E-03	1.98E-05	4.17E-05	1.64E-06	3.93E-03	5.02E-03	3.90E-03	5.58E-07	0.00E+00	1.42E-07	5.95E-04	0.00E+00	0.00E+00	5.02E-03
267	ALL	644346.8	4249598	NonCancel	3.57E-03	3.91E-03	1.84E-05	3.69E-05	1.50E-06	3.60E-03	4.57E-03	3.57E-03	5.06E-07	0.00E+00	1.27E-07	5.47E-04	0.00E+00	0.00E+00	4.57E-03
268	ALL	644446.8	4249598	NonCancel	3.22E-03	3.53E-03	1.69E-05	3.23E-05	1.35E-06	3.24E-03	4.11E-03	3.22E-03	4.57E-07	0.00E+00	1.13E-07	4.96E-04	0.00E+00	0.00E+00	4.11E-03
269	ALL	644546.8	4249598	NonCancel	2.90E-03	3.18E-03	1.54E-05	2.81E-05	1.21E-06	2.92E-03	3.70E-03	2.90E-03	4.12E-07	0.00E+00	9.98E-08	4.49E-04	0.00E+00	0.00E+00	3.70E-03
270	ALL	644646.8	4249598	NonCancel	2.62E-03	2.87E-03	1.42E-05	2.43E-05	1.09E-06	2.63E-03	3.33E-03	2.62E-03	3.71E-07	0.00E+00	8.82E-08	4.07E-04	0.00E+00	0.00E+00	3.33E-03
271	ALL	644746.8	4249598	NonCancel	2.36E-03	2.59E-03	1.30E-05	2.11E-05	9.78E-07	2.37E-03	3.00E-03	2.36E-03	3.35E-07	0.00E+00	7.82E-08	3.69E-04	0.00E+00	0.00E+00	3.00E-03
272	ALL	644846.8	4249598	NonCancel	2.13E-03	2.34E-03	1.19E-05	1.84E-05	8.83E-07	2.15E-03	2.71E-03	2.13E-03	3.04E-07	0.00E+00	6.97E-08	3.35E-04	0.00E+00	0.00E+00	2.71E-03
273	ALL	644946.8	4249598	NonCancel	1.94E-03	2.13E-03	1.09E-05	1.63E-05	8.01E-07	1.95E-03	2.46E-03	1.94E-03	2.78E-07	0.00E+00	6.28E-08	3.05E-04	0.00E+00	0.00E+00	2.46E-03
274	ALL	645046.8	4249598	NonCancel	1.77E-03	1.94E-03	1.00E-05	1.47E-05	7.31E-07	1.78E-03	2.25E-03	1.77E-03	2.56E-07	0.00E+00	5.72E-08	2.79E-04	0.00E+00	0.00E+00	2.25E-03
275	ALL	645146.8	4249598	NonCancel	1.62E-03	1.78E-03	9.21E-06	1.34E-05	6.70E-07	1.63E-03	2.06E-03	1.62E-03	2.36E-07	0.00E+00	5.25E-08	2.56E-04	0.00E+00	0.00E+00	2.06E-03
276	ALL	645246.8	4249598	NonCancel	1.50E-03	1.64E-03	8.49E-06	1.25E-05	6.19E-07	1.51E-03	1.90E-03	1.50E-03	2.20E-07	0.00E+00	4.88E-08	2.36E-04	0.00E+00	0.00E+00	1.90E-03
277	ALL	645346.8	4249598	NonCancel	1.39E-03	1.52E-03	7.83E-06	1.17E-05	5.75E-07	1.40E-03	1.76E-03	1.39E-03	2.06E-07	0.00E+00	4.58E-08	2.19E-04	0.00E+00	0.00E+00	1.76E-03
278	ALL	642446.8	4249698	NonCancel	9.84E-04	1.08E-03	6.43E-06	4.79E-06	3.97E-07	9.88E-04	1.28E-03	9.84E-04	1.46E-07	0.00E+00	2.78E-08	1.63E-04	0.00E+00	0.00E+00	1.28E-03
279	ALL	642546.8	4249698	NonCancel	1.08E-03	1.19E-03	7.11E-06	5.08E-06	4.35E-07	1.09E-03	1.41E-03	1.08E-03	1.57E-07	0.00E+00	3.00E-08	1.80E-04	0.00E+00	0.00E+00	1.41E-03
280	ALL	642646.8	4249698	NonCancel	1.19E-03	1.31E-03	7.87E-06	5.43E-06	4.78E-07	1.20E-03	1.56E-03	1.19E-03	1.68E-07	0.00E+00	3.23E-08	1.98E-04	0.00E+00	0.00E+00	1.56E-03
281	ALL	642746.8	4249698	NonCancel	1.31E-03	1.44E-03	8.67E-06	5.86E-06	5.24E-07	1.31E-03	1.71E-03	1.31E-03	1.78E-07	0.00E+00	3.45E-08	2.18E-04	0.00E+00	0.00E+00	1.71E-03
282	ALL	642846.8	4249698	NonCancel	1.43E-03	1.57E-03	9.47E-06	6.40E-06	5.72E-07	1.43E-03	1.88E-03	1.43E-03	1.87E-07	0.00E+00	3.70E-08	2.38E-04	0.00E+00	0.00E+00	1.88E-03
283	ALL	642946.8	4249698	NonCancel	1.56E-03	1.72E-03	1.03E-05	7.10E-06	6.23E-07	1.56E-03	2.06E-03	1.56E-03	1.98E-07	0.00E+00	4.01E-08	2.59E-04	0.00E+00	0.00E+00	2.06E-03
284	ALL	643046.8	4249698	NonCancel	1.71E-03	1.89E-03	1.13E-05	7.99E-06	6.85E-07	1.72E-03	2.28E-03	1.71E-03	2.11E-07	0.00E+00	4.39E-08	2.84E-04	0.00E+00	0.00E+00	2.28E-03
285	ALL	643146.8	4249698	NonCancel	1.89E-03	2.08E-03	1.24E-05	9.17E-06	7.57E-07	1.90E-03	2.53E-03	1.89E-03	2.28E-07	0.00E+00	4.86E-08	3.13E-04	0.00E+00	0.00E+00	2.53E-03
286	ALL	643246.8	4249698	NonCancel	2.09E-03	2.30E-03	1.35E-05	1.07E-05	8.39E-07	2.10E-03	2.81E-03	2.09E-03	2.49E-07	0.00E+00	5.44E-08	3.45E-04	0.00E+00	0.00E+00	2.81E-03
287	ALL	643346.8	4249698	NonCancel	2.31E-03	2.54E-03	1.47E-05	1.26E-05	9.29E-07	2.32E-03	3.11E-03	2.31E-03	2.73E-07	0.00E+00	6.09E-08	3.79E-04	0.00E+00	0.00E+00	3.11E-03
288	ALL	643446.8	4249698	NonCancel	2.52E-03	2.77E-03	1.57E-05	1.50E-05	1.02E-06	2.53E-03	3.40E-03	2.52E-03	2.98E-07	0.00E+00	6.76E-08	4.10E-04	0.00E+00	0.00E+00	3.40E-03
289	ALL	643546.8	4249698	NonCancel	2.69E-03	2.96E-03	1.63E-05	1.84E-05	1.10E-06	2.71E-03	3.65E-03	2.69E-03	3.37E-07	0.00E+00	7.76E-08	4.33E-04	0.00E+00	0.00E+00	3.65E-03
290	ALL	643646.8	4249698	NonCancel	2.90E-03	3.18E-03	1.64E-05	2.42E-05	1.20E-06	2.91E-03	3.97E-03	2.89E-03	4.02E-07	0.00E+00	9.54E-08	4.57E-04	0.00E+00	0.00E+00	3.97E-03
291	ALL	643746.8	4249698	NonCancel	3.29E-03	3.60E-03	1.71E-05	3.33E-05	1.38E-06	3.31E-03	4.55E-03	3.28E-03	4.99E-07	0.00E+00	1.22E-07	5.07E-04	0.00E+00	0.00E+00	4.55E-03
292	ALL	643846.8	4249698	NonCancel	3.84E-03	4.19E-03	1.87E-05	4.38E-05	1.63E-06	3.86E-03	5.48E-03	3.84E-03	6.06E-07	0.00E+00	1.53E-07	5.82E-04	0.00E+00	0.00E+00	5.48E-03
293	ALL	643946.8	4249698	NonCancel	4.35E-03	4.75E-03	2.09E-05	5.12E-05	1.85E-06	4.38E-03	6.13E-03	4.35E-03	6.78E-07	0.00E+00	1.74E-07	6.56E-04	0.00E+00	0.00E+00	6.13E-03
294	ALL	644046.8	4249698	NonCancel	4.61E-03	5.04E-03	2.26E-05	5.21E-05	1.95E-06	4.64E-03	6.19E-03	4.61E-03	6.85E-07	0.00E+00	1.76E-07	6.99E-04	0.00E+00	0.00E+00	6.19E-03
295	ALL	644146.8	4249698	NonCancel	4.52E-03	4.94E-03	2.30E-05	4.80E-05	1.90E-06	4.55E-03	5.91E-03	4.52E-03	6.40E-07	0.00E+00	1.63E-07	6.90E-04	0.00E+00	0.00E+00	5.91E-03
296	ALL	644246.8	4249698	NonCancel	4.17E-03	4.56E-03	2.17E-05	4.21E-05	1.74E-06	4.19E-03	5.37E-03	4.17E-03	5.76E-07	0.00E+00	1.45E-07	6.40E-04	0.00E+00	0.00E+00	5.37E-03
297	ALL	644346.8	4249698	NonCancel	3.73E-03	4.08E-03	1.98E-05	3.63E-05	1.55E-06	3.75E-03	4.78E-03	3.73E-03	5.14E-07	0.00E+00	1.27E-07	5.76E-04	0.00E+00	0.00E+00	4.78E-03
298	ALL	644446.8	4249698	NonCancel	3.32E-03	3.64E-03	1.80E-05	3.09E-05	1.38E-06	3.34E-03	4.24E-03	3.32E-03	4.58E-07	0.00E+00	1.11E-07	5.16E-04	0.00E+00	0.00E+00	4.24E-03
299	ALL	644546.8	4249698	NonCancel	2.96E-03	3.25E-03	1.64E-05	2.62E-05	1.23E-06	2.98E-03	3.77E-03	2.96E-03	4.08E-07	0.00E+00	9.66E-08	4.62E-04	0.00E+00	0.00E+00	3.77E-03
300	ALL	644646.8	4249698	NonCancel	2.64E-03	2.90E-03	1.49E-05	2.23E-05	1.09E-06	2.66E-03	3.36E-03	2.64E-03	3.65E-07	0.00E+00	8.44E-08	4.15E-04	0.00E+00	0.00E+00	3.36E-03
301	ALL	644746.8	4249698	NonCancel	2.37E-03	2.60E-03	1.35E-05	1.92E-05	9.74E-07	2.38E-03	3.01E-03	2.37E-03	3.28E-07	0.00E+00	7.44E-08	3.74E-04	0.00E+00	0.00E+00	3.01E-03
302	ALL	644846.8	4249698	NonCancel	2.13E-03	2.34E-03	1.23E-05	1.68E-05	8.77E-07	2.14E-03	2.71E-03	2.13E-03	2.98E-07	0.00E+00	6.64E-08	3.38E-04	0.00E+00	0.00E+00	2.71E-03
303	ALL	644946.8	4249698	NonCancel	1.93E-03	2.12E-03	1.12E-05	1.50E-05	7.94E-07	1.95E-03	2.46E-03	1.93E-03	2.72E-07	0.00E+00	6.00E-08	3.07E-04	0.00E+00	0.00E+00	2.46E-03
304	ALL	645046.8	4249698	NonCancel	1.77E-03	1.94E-03	1.03E-05	1.37E-05	7.25E-07	1.77E-03	2.24E-03	1.77E-03	2.51E-07	0.00E+00	5.49E-08	2.80E-04	0.00E+00	0.00E+00	2.24E-03
305	ALL	645146.8	4249698	NonCancel	1.62E-03	1.78E-03	9.36E-06	1.27E-05	6.65E-07	1.63E-03	2.05E-03	1.62E-03	2.33E-07	0.00E+00	5.08E-08	2.56E-04	0.00E+00	0.00E+00	2.05E-03
306	ALL	645246.8	4249698	NonCancel	1.49E-03	1.63E-03	8.56E-06	1.18E-05	6.13E-07	1.50E-03	1.89E-03	1.49E-03	2.17E-07	0.00E+00	4.74E-08	2.36E-04	0.00E+00	0.00E+00	1.89E-03
307	ALL	645346.8	4249698	NonCancel	1.38E-03	1.51E-03	7.86E-06	1.12E-05	5.68E-07	1.39E-03	1.74E-03	1.38E-03	2.03E-07	0.00E+00	4.45E-08	2.18E-04	0.00E+00	0.00E+00	1.74E-03
308	ALL	642446.8	4249798	NonCancel	1.01E-03	1.11E-03	6.60E-06	4.89E-06	4.07E-07	1.01E-03	1.31E-03	1.01E-03	1.48E-07	0.00E+00	2.84E-08	1.67E-04	0.00E+00	0.00E+00	1.31E-03
309	ALL	642546.8	4249798	NonCancel</															

311 ALL	642746.8	4249798 NonCancel	1.36E-03	1.50E-03	9.05E-06	6.03E-06	5.46E-07	1.37E-03	1.78E-03	1.36E-03	1.85E-07	0.00E+00	3.61E-08	2.27E-04	0.00E+00	0.00E+00	1.78E-03
312 ALL	642846.8	4249798 NonCancel	1.51E-03	1.67E-03	1.01E-05	6.64E-06	6.04E-07	1.52E-03	1.99E-03	1.51E-03	1.97E-07	0.00E+00	3.90E-08	2.52E-04	0.00E+00	0.00E+00	1.99E-03
313 ALL	642946.8	4249798 NonCancel	1.66E-03	1.83E-03	1.10E-05	7.41E-06	6.64E-07	1.67E-03	2.19E-03	1.66E-03	2.07E-07	0.00E+00	4.23E-08	2.76E-04	0.00E+00	0.00E+00	2.19E-03
314 ALL	643046.8	4249798 NonCancel	1.83E-03	2.02E-03	1.21E-05	8.41E-06	7.32E-07	1.84E-03	2.43E-03	1.83E-03	2.21E-07	0.00E+00	4.66E-08	3.04E-04	0.00E+00	0.00E+00	2.43E-03
315 ALL	643146.8	4249798 NonCancel	2.04E-03	2.25E-03	1.34E-05	9.76E-06	8.16E-07	2.05E-03	2.71E-03	2.04E-03	2.40E-07	0.00E+00	5.21E-08	3.38E-04	0.00E+00	0.00E+00	2.71E-03
316 ALL	643246.8	4249798 NonCancel	2.28E-03	2.51E-03	1.47E-05	1.16E-05	9.13E-07	2.29E-03	3.04E-03	2.28E-03	2.64E-07	0.00E+00	5.90E-08	3.76E-04	0.00E+00	0.00E+00	3.04E-03
317 ALL	643346.8	4249798 NonCancel	2.55E-03	2.80E-03	1.63E-05	1.39E-05	1.02E-06	2.56E-03	3.41E-03	2.55E-03	2.93E-07	0.00E+00	6.71E-08	4.18E-04	0.00E+00	0.00E+00	3.41E-03
318 ALL	643446.8	4249798 NonCancel	2.83E-03	3.11E-03	1.77E-05	1.69E-05	1.14E-06	2.84E-03	3.78E-03	2.83E-03	3.27E-07	0.00E+00	7.59E-08	4.60E-04	0.00E+00	0.00E+00	3.78E-03
319 ALL	643546.8	4249798 NonCancel	3.06E-03	3.36E-03	1.83E-05	2.13E-05	1.24E-06	3.07E-03	4.09E-03	3.05E-03	3.77E-07	0.00E+00	8.90E-08	4.91E-04	0.00E+00	0.00E+00	4.09E-03
320 ALL	643646.8	4249798 NonCancel	3.34E-03	3.66E-03	1.85E-05	2.93E-05	1.39E-06	3.36E-03	4.50E-03	3.34E-03	4.67E-07	0.00E+00	1.13E-07	5.25E-04	0.00E+00	0.00E+00	4.50E-03
321 ALL	643746.8	4249798 NonCancel	3.69E-03	4.26E-03	1.97E-05	4.16E-05	1.64E-06	3.92E-03	5.25E-03	3.89E-03	5.98E-07	0.00E+00	1.50E-07	5.97E-04	0.00E+00	0.00E+00	5.25E-03
322 ALL	643846.8	4249798 NonCancel	4.60E-03	5.02E-03	2.21E-05	5.40E-05	1.96E-06	4.63E-03	6.25E-03	4.60E-03	7.24E-07	0.00E+00	1.86E-07	6.95E-04	0.00E+00	0.00E+00	6.25E-03
323 ALL	643946.8	4249798 NonCancel	5.14E-03	5.62E-03	2.49E-05	5.95E-05	2.18E-06	5.17E-03	7.21E-03	5.14E-03	7.78E-07	0.00E+00	2.02E-07	7.77E-04	0.00E+00	0.00E+00	7.21E-03
324 ALL	644046.8	4249798 NonCancel	5.25E-03	5.75E-03	2.65E-05	5.65E-05	2.21E-06	5.29E-03	7.61E-03	5.25E-03	7.44E-07	0.00E+00	1.92E-07	8.01E-04	0.00E+00	0.00E+00	7.61E-03
325 ALL	644146.8	4249798 NonCancel	4.93E-03	5.40E-03	2.58E-05	4.93E-05	2.06E-06	4.96E-03	6.51E-03	4.93E-03	6.68E-07	0.00E+00	1.70E-07	7.59E-04	0.00E+00	0.00E+00	6.51E-03
326 ALL	644246.8	4249798 NonCancel	4.40E-03	4.82E-03	2.36E-05	4.17E-05	1.83E-06	4.42E-03	5.69E-03	4.40E-03	5.88E-07	0.00E+00	1.46E-07	6.81E-04	0.00E+00	0.00E+00	5.69E-03
327 ALL	644346.8	4249798 NonCancel	3.87E-03	4.24E-03	2.12E-05	3.47E-05	1.60E-06	3.89E-03	4.96E-03	3.86E-03	5.16E-07	0.00E+00	1.25E-07	6.02E-04	0.00E+00	0.00E+00	4.96E-03
328 ALL	644446.8	4249798 NonCancel	3.40E-03	3.73E-03	1.91E-05	2.88E-05	1.40E-06	3.42E-03	4.35E-03	3.40E-03	4.54E-07	0.00E+00	1.07E-07	5.34E-04	0.00E+00	0.00E+00	4.35E-03
329 ALL	644546.8	4249798 NonCancel	3.00E-03	3.29E-03	1.72E-05	2.39E-05	1.23E-06	3.01E-03	3.83E-03	3.00E-03	4.00E-07	0.00E+00	9.20E-08	4.74E-04	0.00E+00	0.00E+00	3.83E-03
330 ALL	644646.8	4249798 NonCancel	2.65E-03	2.91E-03	1.55E-05	2.02E-05	1.09E-06	2.67E-03	3.38E-03	2.65E-03	3.56E-07	0.00E+00	7.99E-08	4.22E-04	0.00E+00	0.00E+00	3.38E-03
331 ALL	644746.8	4249798 NonCancel	2.37E-03	2.60E-03	1.40E-05	1.75E-05	9.68E-07	2.38E-03	3.02E-03	2.37E-03	3.20E-07	0.00E+00	7.06E-08	3.77E-04	0.00E+00	0.00E+00	3.02E-03
332 ALL	644846.8	4249798 NonCancel	2.13E-03	2.34E-03	1.26E-05	1.55E-05	8.70E-07	2.14E-03	2.71E-03	2.13E-03	2.91E-07	0.00E+00	6.33E-08	3.40E-04	0.00E+00	0.00E+00	2.71E-03
333 ALL	644946.8	4249798 NonCancel	1.93E-03	2.12E-03	1.14E-05	1.40E-05	7.88E-07	1.94E-03	2.45E-03	1.93E-03	2.67E-07	0.00E+00	5.76E-08	3.08E-04	0.00E+00	0.00E+00	2.45E-03
334 ALL	645046.8	4249798 NonCancel	1.76E-03	1.93E-03	1.04E-05	1.29E-05	7.19E-07	1.77E-03	2.23E-03	1.76E-03	2.47E-07	0.00E+00	5.31E-08	2.80E-04	0.00E+00	0.00E+00	2.23E-03
335 ALL	645146.8	4249798 NonCancel	1.61E-03	1.77E-03	9.46E-06	1.20E-05	6.60E-07	1.62E-03	2.04E-03	1.61E-03	2.30E-07	0.00E+00	4.95E-08	2.57E-04	0.00E+00	0.00E+00	2.04E-03
336 ALL	645246.8	4249798 NonCancel	1.48E-03	1.63E-03	8.64E-06	1.13E-05	6.09E-07	1.49E-03	1.88E-03	1.48E-03	2.15E-07	0.00E+00	4.63E-08	2.36E-04	0.00E+00	0.00E+00	1.88E-03
337 ALL	645346.8	4249798 NonCancel	1.38E-03	1.51E-03	7.95E-06	1.08E-05	5.66E-07	1.38E-03	1.74E-03	1.38E-03	2.02E-07	0.00E+00	4.37E-08	2.18E-04	0.00E+00	0.00E+00	1.74E-03
338 ALL	642446.8	4249898 NonCancel	1.04E-03	1.15E-03	6.84E-06	5.03E-06	4.21E-07	1.05E-03	1.35E-03	1.04E-03	1.51E-07	0.00E+00	2.92E-08	1.73E-04	0.00E+00	0.00E+00	1.35E-03
339 ALL	642546.8	4249898 NonCancel	1.14E-03	1.26E-03	7.51E-06	5.34E-06	4.59E-07	1.15E-03	1.49E-03	1.14E-03	1.63E-07	0.00E+00	3.15E-08	1.90E-04	0.00E+00	0.00E+00	1.49E-03
340 ALL	642646.8	4249898 NonCancel	1.26E-03	1.39E-03	8.32E-06	5.73E-06	5.06E-07	1.26E-03	1.64E-03	1.26E-03	1.76E-07	0.00E+00	3.43E-08	2.10E-04	0.00E+00	0.00E+00	1.64E-03
341 ALL	642746.8	4249898 NonCancel	1.41E-03	1.55E-03	9.35E-06	6.25E-06	5.64E-07	1.41E-03	1.84E-03	1.41E-03	1.91E-07	0.00E+00	3.76E-08	2.35E-04	0.00E+00	0.00E+00	1.84E-03
342 ALL	642846.8	4249898 NonCancel	1.58E-03	1.75E-03	1.06E-05	6.91E-06	6.34E-07	1.59E-03	2.08E-03	1.58E-03	2.06E-07	0.00E+00	4.12E-08	2.64E-04	0.00E+00	0.00E+00	2.08E-03
343 ALL	642946.8	4249898 NonCancel	1.77E-03	1.95E-03	1.18E-05	7.78E-06	7.07E-07	1.78E-03	2.33E-03	1.77E-03	2.18E-07	0.00E+00	4.49E-08	2.95E-04	0.00E+00	0.00E+00	2.33E-03
344 ALL	643046.8	4249898 NonCancel	1.97E-03	2.17E-03	1.30E-05	8.92E-06	7.86E-07	1.98E-03	2.60E-03	1.97E-03	2.32E-07	0.00E+00	4.97E-08	3.27E-04	0.00E+00	0.00E+00	2.60E-03
345 ALL	643146.8	4249898 NonCancel	2.21E-03	2.43E-03	1.45E-05	1.05E-05	8.83E-07	2.21E-03	2.93E-03	2.21E-03	2.53E-07	0.00E+00	5.62E-08	3.66E-04	0.00E+00	0.00E+00	2.93E-03
346 ALL	643246.8	4249898 NonCancel	2.50E-03	2.75E-03	1.62E-05	1.26E-05	1.00E-06	2.51E-03	3.32E-03	2.50E-03	2.82E-07	0.00E+00	6.46E-08	4.12E-04	0.00E+00	0.00E+00	3.32E-03
347 ALL	643346.8	4249898 NonCancel	2.84E-03	3.13E-03	1.81E-05	1.56E-05	1.14E-06	2.85E-03	3.78E-03	2.84E-03	3.20E-07	0.00E+00	7.52E-08	4.67E-04	0.00E+00	0.00E+00	3.78E-03
348 ALL	643446.8	4249898 NonCancel	3.19E-03	3.51E-03	1.99E-05	1.95E-05	1.29E-06	3.21E-03	4.25E-03	3.19E-03	3.62E-07	0.00E+00	8.67E-08	5.19E-04	0.00E+00	0.00E+00	4.25E-03
349 ALL	643546.8	4249898 NonCancel	3.50E-03	3.85E-03	2.08E-05	2.54E-05	1.43E-06	3.52E-03	4.66E-03	3.50E-03	4.30E-07	0.00E+00	1.04E-07	5.61E-04	0.00E+00	0.00E+00	4.66E-03
350 ALL	643646.8	4249898 NonCancel	3.93E-03	4.31E-03	2.12E-05	3.68E-05	1.64E-06	3.96E-03	5.24E-03	3.93E-03	5.59E-07	0.00E+00	1.39E-07	6.14E-04	0.00E+00	0.00E+00	5.24E-03
351 ALL	643746.8	4249898 NonCancel	4.72E-03	5.16E-03	2.31E-05	5.37E-05	2.01E-06	4.75E-03	6.28E-03	4.72E-03	7.37E-07	0.00E+00	1.89E-07	7.18E-04	0.00E+00	0.00E+00	6.28E-03
352 ALL	643846.8	4249898 NonCancel	5.60E-03	6.12E-03	2.66E-05	6.69E-05	2.39E-06	5.64E-03	7.49E-03	5.60E-03	8.71E-07	0.00E+00	2.28E-07	8.44E-04	0.00E+00	0.00E+00	7.49E-03
353 ALL	643946.8	4249898 NonCancel	6.08E-03	6.65E-03	3.01E-05	6.77E-05	2.57E-06	6.12E-03	8.30E-03	6.08E-03	8.78E-07	0.00E+00	2.29E-07	9.24E-04	0.00E+00	0.00E+00	8.30E-03
354 ALL	644046.8	4249898 NonCancel	5.92E-03	6.49E-03	3.10E-05	5.95E-05	2.47E-06	5.96E-03	8.54E-03	5.92E-03	7.92E-07	0.00E+00	2.04E-07	9.11E-04	0.00E+00	0.00E+00	8.54E-03
355 ALL	644146.8	4249898 NonCancel	5.31E-03	5.81E-03	2.87E-05	4.93E-05	2.20E-06	5.34E-03	7.04E-03	5.30E-03	6.87E-07	0.00E+00	1.73E-07	8.23E-04	0.00E+00	0.00E+00	7.04E-03
356 ALL	644246.8	4249898 NonCancel	4.60E-03	5.04E-03	2.56E-05	4.00E-05	1.90E-06	4.62E-03	5.95E-03	4.60E-03	5.92E-07	0.00E+00	1.44E-07	7.19E-04	0.00E+00	0.00E+00	5.95E-03
357 ALL	644346.8	4249898 NonCancel	3.98E-03	4.36E-03	2.27E-05	3.21E-05	1.63E-06	4.00E-03	5.11E-03	3.98E-03	5.10E-07	0.00E+00	1.21E-07	6.27E-04	0.00E+00	0.00E+00	5.11E-03
358 ALL	644446.8	4249898 NonCancel	3.45E-03	3.79E-03	2.02E-05	2.60E-05	1.41E-06	3.47E-03	4.42E-03	3.45E-03	4.43E-07	0.00E+00	1.01E-07	5.48E-04	0.00E+00	0.00E+00	4.42E-03
359 ALL	644546.8	4249898 NonCancel	3.02E-03	3.31E-03	1.80E-05	2.15E-05	1.23E-06	3.03E-03	3.85E-03	3.02E-03	3.89E-07	0.00E+00	8.67E-08	4.82E-04	0.00E+00	0.00E+00	3.85E-03
360 ALL	644646.8	4249898 NonCancel	2.66E-03	2.92E-03	1.60E-05	1.83E-05	1.08E-06	2.67E-03	3.39E-03	2.66E-03	3.46E-07	0.00E+00	7.56E-08	4.26E-04	0.00E+00	0.00E+00	3.39E-03
361 ALL	644746.8	4249898 NonCancel	2.37E-03	2.60E-03	1.43E-05	1.60E-05	9.61E-07	2.38E-03	3.01E-03	2.37E-03	3.12E-07	0.00E+00	6.72E-08	3.80E-04	0.00E+00	0.00E+00	3.01E-03
362 ALL	644846.8	4249898 NonCancel	2.12E-03	2.33E-03	1.28E-05	1.44E-05	8.63E-07	2.13E-03	2.70E-03	2.12E-03	2.85E-07	0.00E+00	6.08E-08	3.41E-04	0.00E+00	0.00E+00	2.70E-03

363 ALL	644946.8	4249898	NonCancel	1.92E-03	2.11E-03	1.16E-05	1.32E-05	7.82E-07	1.93E-03	2.44E-03	1.92E-03	2.63E-07	0.00E+00	5.58E-08	3.08E-04	0.00E+00	0.00E+00	2.44E-03
364 ALL	645046.8	4249898	NonCancel	1.75E-03	1.92E-03	1.05E-05	1.22E-05	7.14E-07	1.76E-03	2.22E-03	1.75E-03	2.45E-07	0.00E+00	5.18E-08	2.81E-04	0.00E+00	0.00E+00	2.22E-03
365 ALL	645146.8	4249898	NonCancel	1.61E-03	1.77E-03	9.58E-06	1.15E-05	6.57E-07	1.62E-03	2.04E-03	1.61E-03	2.29E-07	0.00E+00	4.85E-08	2.57E-04	0.00E+00	0.00E+00	2.04E-03
366 ALL	645246.8	4249898	NonCancel	1.48E-03	1.63E-03	8.77E-06	1.09E-05	6.08E-07	1.49E-03	1.88E-03	1.48E-03	2.15E-07	0.00E+00	4.56E-08	2.37E-04	0.00E+00	0.00E+00	1.88E-03
367 ALL	645346.8	4249898	NonCancel	1.38E-03	1.51E-03	8.07E-06	1.04E-05	5.65E-07	1.38E-03	1.74E-03	1.38E-03	2.02E-07	0.00E+00	4.30E-08	2.19E-04	0.00E+00	0.00E+00	1.74E-03
368 ALL	642446.8	4249998	NonCancel	1.20E-03	1.20E-03	7.15E-06	5.21E-06	4.39E-07	1.10E-03	1.41E-03	1.09E-03	1.57E-07	0.00E+00	3.03E-08	1.81E-04	0.00E+00	0.00E+00	1.41E-03
369 ALL	642546.8	4249998	NonCancel	1.09E-03	1.31E-03	7.83E-06	5.54E-06	4.78E-07	1.19E-03	1.55E-03	1.19E-03	1.68E-07	0.00E+00	3.26E-08	1.98E-04	0.00E+00	0.00E+00	1.55E-03
370 ALL	642646.8	4249998	NonCancel	1.31E-03	1.44E-03	8.65E-06	5.97E-06	5.25E-07	1.31E-03	1.71E-03	1.31E-03	1.80E-07	0.00E+00	3.55E-08	2.18E-04	0.00E+00	0.00E+00	1.71E-03
371 ALL	642746.8	4249998	NonCancel	1.45E-03	1.60E-03	9.64E-06	6.51E-06	5.83E-07	1.46E-03	1.90E-03	1.45E-03	1.95E-07	0.00E+00	3.90E-08	2.42E-04	0.00E+00	0.00E+00	1.90E-03
372 ALL	642846.8	4249998	NonCancel	1.64E-03	1.81E-03	1.09E-05	7.23E-06	6.56E-07	1.65E-03	2.15E-03	1.64E-03	2.13E-07	0.00E+00	4.32E-08	2.73E-04	0.00E+00	0.00E+00	2.15E-03
373 ALL	642946.8	4249998	NonCancel	1.86E-03	2.05E-03	1.24E-05	8.20E-06	7.45E-07	1.87E-03	2.45E-03	1.86E-03	2.29E-07	0.00E+00	4.78E-08	3.11E-04	0.00E+00	0.00E+00	2.45E-03
374 ALL	643046.8	4249998	NonCancel	2.12E-03	2.33E-03	1.40E-05	9.54E-06	8.46E-07	2.13E-03	2.79E-03	2.12E-03	2.46E-07	0.00E+00	5.34E-08	3.52E-04	0.00E+00	0.00E+00	2.79E-03
375 ALL	643146.8	4249998	NonCancel	2.39E-03	2.64E-03	1.57E-05	1.13E-05	9.58E-07	2.40E-03	3.17E-03	2.39E-03	2.68E-07	0.00E+00	6.11E-08	3.97E-04	0.00E+00	0.00E+00	3.17E-03
376 ALL	643246.8	4249998	NonCancel	2.74E-03	3.02E-03	1.78E-05	1.39E-05	1.10E-06	2.75E-03	3.64E-03	2.74E-03	3.03E-07	0.00E+00	7.15E-08	4.53E-04	0.00E+00	0.00E+00	3.64E-03
377 ALL	643346.8	4249998	NonCancel	3.18E-03	3.50E-03	2.02E-05	1.77E-05	1.28E-06	3.19E-03	4.22E-03	3.17E-03	3.51E-07	0.00E+00	8.53E-08	5.21E-04	0.00E+00	0.00E+00	4.22E-03
378 ALL	643446.8	4249998	NonCancel	3.63E-03	3.99E-03	2.24E-05	2.29E-05	1.47E-06	3.65E-03	4.82E-03	3.63E-03	4.06E-07	0.00E+00	1.01E-07	5.89E-04	0.00E+00	0.00E+00	4.82E-03
379 ALL	643546.8	4249998	NonCancel	4.08E-03	4.48E-03	2.38E-05	3.14E-05	1.67E-06	4.10E-03	5.41E-03	4.08E-03	5.04E-07	0.00E+00	1.26E-07	6.51E-04	0.00E+00	0.00E+00	5.41E-03
380 ALL	643646.8	4249998	NonCancel	4.75E-03	5.20E-03	2.46E-05	4.85E-05	2.00E-06	4.78E-03	6.29E-03	4.75E-03	6.97E-07	0.00E+00	1.79E-07	7.34E-04	0.00E+00	0.00E+00	6.29E-03
381 ALL	643746.8	4249998	NonCancel	5.89E-03	6.43E-03	2.77E-05	7.13E-05	2.52E-06	5.93E-03	7.79E-03	5.89E-03	9.35E-07	0.00E+00	2.46E-07	8.88E-04	0.00E+00	0.00E+00	7.79E-03
382 ALL	643846.8	4249998	NonCancel	6.92E-03	7.55E-03	3.30E-05	8.19E-05	2.95E-06	6.96E-03	9.23E-03	6.91E-03	1.04E-06	0.00E+00	2.77E-07	1.04E-03	0.00E+00	0.00E+00	9.23E-03
383 ALL	643946.8	4249998	NonCancel	7.17E-03	7.84E-03	3.68E-05	7.46E-05	3.00E-06	7.21E-03	9.54E-03	7.17E-03	9.66E-07	0.00E+00	2.53E-07	1.10E-03	0.00E+00	0.00E+00	9.54E-03
384 ALL	644046.8	4249998	NonCancel	6.56E-03	7.19E-03	3.56E-05	6.07E-05	2.72E-06	6.60E-03	9.02E-03	6.56E-03	8.24E-07	0.00E+00	2.11E-07	1.02E-03	0.00E+00	0.00E+00	9.02E-03
385 ALL	644146.8	4249998	NonCancel	5.61E-03	6.16E-03	3.16E-05	4.75E-05	2.31E-06	5.65E-03	7.42E-03	5.61E-03	6.92E-07	0.00E+00	1.71E-07	8.80E-04	0.00E+00	0.00E+00	7.42E-03
386 ALL	644246.8	4249998	NonCancel	4.76E-03	5.22E-03	2.76E-05	3.68E-05	1.94E-06	4.78E-03	6.17E-03	4.76E-03	5.82E-07	0.00E+00	1.39E-07	7.53E-04	0.00E+00	0.00E+00	6.17E-03
387 ALL	644346.8	4249998	NonCancel	4.05E-03	4.45E-03	2.42E-05	2.88E-05	1.65E-06	4.07E-03	5.22E-03	4.05E-03	4.95E-07	0.00E+00	1.14E-07	6.47E-04	0.00E+00	0.00E+00	5.22E-03
388 ALL	644446.8	4249998	NonCancel	3.48E-03	3.82E-03	2.12E-05	2.32E-05	1.41E-06	3.50E-03	4.46E-03	3.48E-03	4.28E-07	0.00E+00	9.52E-08	5.59E-04	0.00E+00	0.00E+00	4.46E-03
389 ALL	644546.8	4249998	NonCancel	3.02E-03	3.32E-03	1.86E-05	1.94E-05	1.22E-06	3.04E-03	3.87E-03	3.02E-03	3.77E-07	0.00E+00	8.18E-08	4.87E-04	0.00E+00	0.00E+00	3.87E-03
390 ALL	644646.8	4249998	NonCancel	2.66E-03	2.92E-03	1.64E-05	1.67E-05	1.07E-06	2.67E-03	3.39E-03	2.66E-03	3.38E-07	0.00E+00	7.21E-08	4.29E-04	0.00E+00	0.00E+00	3.39E-03
391 ALL	644746.8	4249998	NonCancel	2.36E-03	2.59E-03	1.45E-05	1.49E-05	9.55E-07	2.37E-03	3.01E-03	2.36E-03	3.07E-07	0.00E+00	6.47E-08	3.81E-04	0.00E+00	0.00E+00	3.01E-03
392 ALL	644846.8	4249998	NonCancel	2.12E-03	2.33E-03	1.30E-05	1.36E-05	8.58E-07	2.13E-03	2.70E-03	2.12E-03	2.82E-07	0.00E+00	5.91E-08	3.42E-04	0.00E+00	0.00E+00	2.70E-03
393 ALL	644946.8	4249998	NonCancel	1.92E-03	2.11E-03	1.17E-05	1.25E-05	7.79E-07	1.93E-03	2.44E-03	1.92E-03	2.61E-07	0.00E+00	5.46E-08	3.09E-04	0.00E+00	0.00E+00	2.44E-03
394 ALL	645046.8	4249998	NonCancel	1.75E-03	1.93E-03	1.06E-05	1.17E-05	7.13E-07	1.76E-03	2.23E-03	1.75E-03	2.44E-07	0.00E+00	5.08E-08	2.82E-04	0.00E+00	0.00E+00	2.23E-03
395 ALL	645146.8	4249998	NonCancel	1.61E-03	1.77E-03	9.71E-06	1.10E-05	6.56E-07	1.62E-03	2.04E-03	1.61E-03	2.28E-07	0.00E+00	4.75E-08	2.58E-04	0.00E+00	0.00E+00	2.04E-03
396 ALL	645246.8	4249998	NonCancel	1.49E-03	1.64E-03	8.93E-06	1.04E-05	6.08E-07	1.50E-03	1.89E-03	1.49E-03	2.14E-07	0.00E+00	4.48E-08	2.39E-04	0.00E+00	0.00E+00	1.89E-03
397 ALL	645346.8	4249998	NonCancel	1.39E-03	1.52E-03	8.26E-06	9.91E-06	5.67E-07	1.39E-03	1.76E-03	1.39E-03	2.02E-07	0.00E+00	4.23E-08	2.22E-04	0.00E+00	0.00E+00	1.76E-03
398 ALL	642446.8	4250098	NonCancel	1.15E-03	1.27E-03	7.59E-06	5.43E-06	4.64E-07	1.16E-03	1.49E-03	1.15E-03	1.65E-07	0.00E+00	3.17E-08	1.92E-04	0.00E+00	0.00E+00	1.49E-03
399 ALL	642546.8	4250098	NonCancel	1.25E-03	1.38E-03	8.27E-06	5.80E-06	5.40E-07	1.26E-03	1.63E-03	1.25E-03	1.75E-07	0.00E+00	3.41E-08	2.09E-04	0.00E+00	0.00E+00	1.63E-03
400 ALL	642646.8	4250098	NonCancel	1.37E-03	1.52E-03	9.09E-06	6.26E-06	5.52E-07	1.38E-03	1.79E-03	1.37E-03	1.88E-07	0.00E+00	3.71E-08	2.29E-04	0.00E+00	0.00E+00	1.79E-03
401 ALL	642746.8	4250098	NonCancel	1.52E-03	1.68E-03	1.01E-05	6.87E-06	6.11E-07	1.53E-03	1.99E-03	1.52E-03	2.02E-07	0.00E+00	4.07E-08	2.54E-04	0.00E+00	0.00E+00	1.99E-03
402 ALL	642846.8	4250098	NonCancel	1.71E-03	1.88E-03	1.13E-05	7.67E-06	6.85E-07	1.72E-03	2.24E-03	1.71E-03	2.20E-07	0.00E+00	4.54E-08	2.85E-04	0.00E+00	0.00E+00	2.24E-03
403 ALL	642946.8	4250098	NonCancel	1.95E-03	2.15E-03	1.30E-05	8.76E-06	7.83E-07	1.96E-03	2.57E-03	1.95E-03	2.41E-07	0.00E+00	5.13E-08	3.26E-04	0.00E+00	0.00E+00	2.57E-03
404 ALL	643046.8	4250098	NonCancel	2.26E-03	2.50E-03	1.50E-05	1.03E-05	9.06E-07	2.27E-03	2.98E-03	2.26E-03	2.63E-07	0.00E+00	5.81E-08	3.77E-04	0.00E+00	0.00E+00	2.98E-03
405 ALL	643146.8	4250098	NonCancel	2.62E-03	2.88E-03	1.72E-05	1.25E-05	1.05E-06	2.63E-03	3.46E-03	2.62E-03	2.88E-07	0.00E+00	6.71E-08	4.35E-04	0.00E+00	0.00E+00	3.46E-03
406 ALL	643246.8	4250098	NonCancel	3.02E-03	3.32E-03	1.95E-05	1.56E-05	1.21E-06	3.03E-03	4.01E-03	3.02E-03	3.27E-07	0.00E+00	8.01E-08	4.99E-04	0.00E+00	0.00E+00	4.01E-03
407 ALL	643346.8	4250098	NonCancel	3.53E-03	3.88E-03	2.22E-05	2.04E-05	1.43E-06	3.54E-03	4.70E-03	3.53E-03	3.85E-07	0.00E+00	9.80E-08	5.79E-04	0.00E+00	0.00E+00	4.70E-03
408 ALL	643446.8	4250098	NonCancel	4.15E-03	4.56E-03	2.52E-05	2.77E-05	1.69E-06	4.17E-03	5.53E-03	4.15E-03	4.66E-07	0.00E+00	1.21E-07	6.72E-04	0.00E+00	0.00E+00	5.53E-03
409 ALL	643546.8	4250098	NonCancel	4.84E-03	5.31E-03	2.74E-05	4.03E-05	2.00E-06	4.87E-03	6.43E-03	4.84E-03	6.15E-07	0.00E+00	1.59E-07	7.68E-04	0.00E+00	0.00E+00	6.43E-03
410 ALL	643646.8	4250098	NonCancel	5.94E-03	6.49E-03	2.91E-05	6.75E-05	2.53E-06	5.98E-03	7.85E-03	5.94E-03	9.19E-07	0.00E+00	2.42E-07	9.06E-04	0.00E+00	0.00E+00	7.85E-03
411 ALL	643746.8	4250098	NonCancel	7.58E-03	8.27E-03	3.45E-05	9.64E-05	3.26E-06	7.63E-03	1.00E-02	7.57E-03	1.21E-06	0.00E+00	3.27E-07	1.13E-03	0.00E+00	0.00E+00	1.00E-02
412 ALL	643846.8	4250098	NonCancel	8.61E-03	9.41E-03	4.23E-05	9.70E-05	3.64E-06	8.66E-03	1.20E-02	8.61E-03	1.22E-06	0.00E+00	3.27E-07	1.31E-03	0.00E+00	0.00E+00	1.20E-02
413 ALL	643946.8	4250098	NonCancel	8.33E-03	9.12E-03	4.48E-05	7.84E-05	3.45E-06	8.37E-03	1.14E-02	8.32E-03	1.03E-06	0.00E+00	2.69E-07	1.29E-03	0.00E+00	0.00E+00	1.14E-02
414 ALL	644046.8	4250098	NonCancel	7.10E-03														

415 ALL	644146.8	4250098 NonCancel	5.86E-03	6.43E-03	3.45E-05	4.35E-05	2.38E-06	5.89E-03	7.68E-03	5.86E-03	6.77E-07	0.00E+00	1.64E-07	9.30E-04	0.00E+00	0.00E+00	7.68E-03
416 ALL	644246.8	4250098 NonCancel	4.87E-03	5.35E-03	2.95E-05	3.26E-05	1.97E-06	4.89E-03	6.31E-03	4.87E-03	5.60E-07	0.00E+00	1.30E-07	7.80E-04	0.00E+00	0.00E+00	6.31E-03
417 ALL	644346.8	4250098 NonCancel	4.09E-03	4.50E-03	2.53E-05	2.55E-05	1.65E-06	4.11E-03	5.28E-03	4.09E-03	4.76E-07	0.00E+00	1.06E-07	6.60E-04	0.00E+00	0.00E+00	5.28E-03
418 ALL	644446.8	4250098 NonCancel	3.49E-03	3.84E-03	2.18E-05	2.09E-05	1.40E-06	3.51E-03	4.49E-03	3.49E-03	4.14E-07	0.00E+00	8.98E-08	5.65E-04	0.00E+00	0.00E+00	4.49E-03
419 ALL	644546.8	4250098 NonCancel	3.02E-03	3.33E-03	1.90E-05	1.78E-05	1.22E-06	3.04E-03	3.87E-03	3.02E-03	3.68E-07	0.00E+00	7.82E-08	4.90E-04	0.00E+00	0.00E+00	3.87E-03
420 ALL	644646.8	4250098 NonCancel	2.65E-03	2.92E-03	1.66E-05	1.57E-05	1.07E-06	2.66E-03	3.39E-03	2.65E-03	3.32E-07	0.00E+00	6.97E-08	4.30E-04	0.00E+00	0.00E+00	3.39E-03
421 ALL	644746.8	4250098 NonCancel	2.36E-03	2.59E-03	1.47E-05	1.41E-05	9.51E-07	2.37E-03	3.01E-03	2.36E-03	3.04E-07	0.00E+00	6.31E-08	3.82E-04	0.00E+00	0.00E+00	3.01E-03
422 ALL	644846.8	4250098 NonCancel	2.12E-03	2.33E-03	1.32E-05	1.29E-05	8.57E-07	2.13E-03	2.70E-03	2.12E-03	2.80E-07	0.00E+00	5.79E-08	3.44E-04	0.00E+00	0.00E+00	2.70E-03
423 ALL	644946.8	4250098 NonCancel	1.93E-03	2.12E-03	1.19E-05	1.19E-05	7.80E-07	1.93E-03	2.45E-03	1.93E-03	2.61E-07	0.00E+00	5.36E-08	3.12E-04	0.00E+00	0.00E+00	2.45E-03
424 ALL	645046.8	4250098 NonCancel	1.76E-03	1.94E-03	1.09E-05	1.11E-05	7.15E-07	1.77E-03	2.24E-03	1.76E-03	2.43E-07	0.00E+00	4.99E-08	2.85E-04	0.00E+00	0.00E+00	2.24E-03
425 ALL	645146.8	4250098 NonCancel	1.63E-03	1.79E-03	9.98E-06	1.05E-05	6.61E-07	1.63E-03	2.07E-03	1.63E-03	2.28E-07	0.00E+00	4.67E-08	2.63E-04	0.00E+00	0.00E+00	2.07E-03
426 ALL	645246.8	4250098 NonCancel	1.50E-03	1.65E-03	9.16E-06	9.91E-06	6.11E-07	1.51E-03	1.91E-03	1.50E-03	2.13E-07	0.00E+00	4.39E-08	2.42E-04	0.00E+00	0.00E+00	1.91E-03
427 ALL	645346.8	4250098 NonCancel	1.39E-03	1.53E-03	8.43E-06	9.43E-06	5.68E-07	1.40E-03	1.77E-03	1.39E-03	2.00E-07	0.00E+00	4.13E-08	2.24E-04	0.00E+00	0.00E+00	1.77E-03
428 ALL	642446.8	4250198 NonCancel	1.24E-03	1.36E-03	8.18E-06	5.65E-06	4.97E-07	1.24E-03	1.60E-03	1.24E-03	1.75E-07	0.00E+00	3.34E-08	2.06E-04	0.00E+00	0.00E+00	1.60E-03
429 ALL	642546.8	4250198 NonCancel	1.34E-03	1.48E-03	8.89E-06	6.08E-06	5.39E-07	1.35E-03	1.74E-03	1.34E-03	1.86E-07	0.00E+00	3.59E-08	2.24E-04	0.00E+00	0.00E+00	1.74E-03
430 ALL	642646.8	4250198 NonCancel	1.47E-03	1.62E-03	9.72E-06	6.61E-06	5.88E-07	1.47E-03	1.91E-03	1.47E-03	1.97E-07	0.00E+00	3.91E-08	2.44E-04	0.00E+00	0.00E+00	1.91E-03
431 ALL	642746.8	4250198 NonCancel	1.62E-03	1.78E-03	1.07E-05	7.31E-06	6.49E-07	1.63E-03	2.11E-03	1.62E-03	2.12E-07	0.00E+00	4.30E-08	2.70E-04	0.00E+00	0.00E+00	2.11E-03
432 ALL	642846.8	4250198 NonCancel	1.81E-03	1.99E-03	1.20E-05	8.23E-06	7.25E-07	1.82E-03	2.37E-03	1.81E-03	2.29E-07	0.00E+00	4.81E-08	3.02E-04	0.00E+00	0.00E+00	2.37E-03
433 ALL	642946.8	4250198 NonCancel	2.06E-03	2.27E-03	1.36E-05	9.48E-06	8.26E-07	2.07E-03	2.71E-03	2.06E-03	2.52E-07	0.00E+00	5.49E-08	3.43E-04	0.00E+00	0.00E+00	2.71E-03
434 ALL	643046.8	4250198 NonCancel	2.40E-03	2.64E-03	1.58E-05	1.13E-05	9.62E-07	2.41E-03	3.16E-03	2.40E-03	2.82E-07	0.00E+00	6.38E-08	3.99E-04	0.00E+00	0.00E+00	3.16E-03
435 ALL	643146.8	4250198 NonCancel	2.84E-03	3.13E-03	1.86E-05	1.39E-05	1.14E-06	2.86E-03	3.76E-03	2.84E-03	3.14E-07	0.00E+00	7.51E-08	4.73E-04	0.00E+00	0.00E+00	3.76E-03
436 ALL	643246.8	4250198 NonCancel	3.34E-03	3.68E-03	2.15E-05	1.78E-05	1.35E-06	3.36E-03	4.45E-03	3.34E-03	3.58E-07	0.00E+00	9.14E-08	5.53E-04	0.00E+00	0.00E+00	4.45E-03
437 ALL	643346.8	4250198 NonCancel	3.93E-03	4.32E-03	2.45E-05	2.39E-05	1.60E-06	3.95E-03	5.27E-03	3.93E-03	4.34E-07	0.00E+00	1.16E-07	6.46E-04	0.00E+00	0.00E+00	5.27E-03
438 ALL	643446.8	4250198 NonCancel	4.78E-03	5.25E-03	2.84E-05	3.45E-05	1.96E-06	4.80E-03	6.41E-03	4.78E-03	5.54E-07	0.00E+00	1.50E-07	7.72E-04	0.00E+00	0.00E+00	6.41E-03
439 ALL	643546.8	4250198 NonCancel	5.88E-03	6.45E-03	3.19E-05	5.47E-05	2.46E-06	5.92E-03	7.85E-03	5.88E-03	8.00E-07	0.00E+00	2.13E-07	9.24E-04	0.00E+00	0.00E+00	7.85E-03
440 ALL	643646.8	4250198 NonCancel	7.78E-03	8.49E-03	3.51E-05	1.00E-04	3.37E-06	7.84E-03	1.03E-02	7.78E-03	1.30E-06	0.00E+00	3.51E-07	1.17E-03	0.00E+00	0.00E+00	1.03E-02
441 ALL	643746.8	4250198 NonCancel	1.00E-02	1.09E-02	4.51E-05	1.29E-04	4.31E-06	1.01E-02	1.32E-02	1.00E-02	1.57E-06	0.00E+00	4.33E-07	1.49E-03	0.00E+00	0.00E+00	1.32E-02
442 ALL	643846.8	4250198 NonCancel	1.07E-02	1.17E-02	5.57E-05	1.08E-04	4.47E-06	1.08E-02	1.49E-02	1.07E-02	1.35E-06	0.00E+00	3.66E-07	1.64E-03	0.00E+00	0.00E+00	1.49E-02
443 ALL	643946.8	4250198 NonCancel	9.38E-03	1.03E-02	5.33E-05	7.72E-05	3.84E-06	9.43E-03	1.25E-02	9.38E-03	1.05E-06	0.00E+00	2.72E-07	1.47E-03	0.00E+00	0.00E+00	1.25E-02
444 ALL	644046.8	4250198 NonCancel	7.50E-03	8.24E-03	4.47E-05	5.35E-05	3.04E-06	7.53E-03	9.85E-03	7.50E-03	8.08E-07	0.00E+00	2.00E-07	1.19E-03	0.00E+00	0.00E+00	9.85E-03
445 ALL	644146.8	4250198 NonCancel	6.02E-03	6.62E-03	3.71E-05	3.82E-05	2.42E-06	6.05E-03	7.86E-03	6.02E-03	6.44E-07	0.00E+00	1.52E-07	9.69E-04	0.00E+00	0.00E+00	7.86E-03
446 ALL	644246.8	4250198 NonCancel	4.92E-03	5.41E-03	3.09E-05	2.89E-05	1.97E-06	4.94E-03	6.38E-03	4.92E-03	5.34E-07	0.00E+00	1.21E-07	7.97E-04	0.00E+00	0.00E+00	6.38E-03
447 ALL	644346.8	4250198 NonCancel	4.10E-03	4.52E-03	2.60E-05	2.31E-05	1.64E-06	4.12E-03	5.30E-03	4.10E-03	4.59E-07	0.00E+00	1.00E-07	6.67E-04	0.00E+00	0.00E+00	5.30E-03
448 ALL	644446.8	4250198 NonCancel	3.49E-03	3.84E-03	2.22E-05	1.94E-05	1.40E-06	3.51E-03	4.49E-03	3.49E-03	4.05E-07	0.00E+00	8.63E-08	5.69E-04	0.00E+00	0.00E+00	4.49E-03
449 ALL	644546.8	4250198 NonCancel	3.02E-03	3.33E-03	1.92E-05	1.67E-05	1.21E-06	3.04E-03	3.88E-03	3.02E-03	3.63E-07	0.00E+00	7.60E-08	4.93E-04	0.00E+00	0.00E+00	3.88E-03
450 ALL	644646.8	4250198 NonCancel	2.66E-03	2.93E-03	1.69E-05	1.48E-05	1.07E-06	2.67E-03	3.40E-03	2.66E-03	3.30E-07	0.00E+00	6.82E-08	4.33E-04	0.00E+00	0.00E+00	3.40E-03
451 ALL	644746.8	4250198 NonCancel	2.37E-03	2.61E-03	1.50E-05	1.34E-05	9.54E-07	2.38E-03	3.03E-03	2.37E-03	3.03E-07	0.00E+00	6.19E-08	3.87E-04	0.00E+00	0.00E+00	3.03E-03
452 ALL	644846.8	4250198 NonCancel	2.14E-03	2.35E-03	1.35E-05	1.22E-05	8.60E-07	2.14E-03	2.72E-03	2.13E-03	2.79E-07	0.00E+00	5.67E-08	3.48E-04	0.00E+00	0.00E+00	2.72E-03
453 ALL	644946.8	4250198 NonCancel	1.94E-03	2.14E-03	1.22E-05	1.13E-05	7.84E-07	1.95E-03	2.48E-03	1.94E-03	2.59E-07	0.00E+00	5.24E-08	3.16E-04	0.00E+00	0.00E+00	2.48E-03
454 ALL	645046.8	4250198 NonCancel	1.78E-03	1.96E-03	1.11E-05	1.05E-05	7.18E-07	1.79E-03	2.26E-03	1.78E-03	2.41E-07	0.00E+00	4.87E-08	2.89E-04	0.00E+00	0.00E+00	2.26E-03
455 ALL	645146.8	4250198 NonCancel	1.63E-03	1.80E-03	1.02E-05	9.92E-06	6.61E-07	1.64E-03	2.07E-03	1.63E-03	2.25E-07	0.00E+00	4.55E-08	2.65E-04	0.00E+00	0.00E+00	2.07E-03
456 ALL	645246.8	4250198 NonCancel	1.50E-03	1.65E-03	9.28E-06	9.39E-06	6.09E-07	1.51E-03	1.91E-03	1.50E-03	2.10E-07	0.00E+00	4.26E-08	2.43E-04	0.00E+00	0.00E+00	1.91E-03
457 ALL	645346.8	4250198 NonCancel	1.38E-03	1.52E-03	8.47E-06	8.93E-06	5.61E-07	1.39E-03	1.75E-03	1.38E-03	1.96E-07	0.00E+00	4.00E-08	2.23E-04	0.00E+00	0.00E+00	1.75E-03
458 ALL	642446.8	4250298 NonCancel	1.34E-03	1.47E-03	8.90E-06	5.86E-06	5.36E-07	1.34E-03	1.72E-03	1.34E-03	1.89E-07	0.00E+00	3.56E-08	2.23E-04	0.00E+00	0.00E+00	1.72E-03
459 ALL	642546.8	4250298 NonCancel	1.46E-03	1.61E-03	9.71E-06	6.36E-06	5.84E-07	1.46E-03	1.88E-03	1.46E-03	2.00E-07	0.00E+00	3.84E-08	2.43E-04	0.00E+00	0.00E+00	1.88E-03
460 ALL	642646.8	4250298 NonCancel	1.59E-03	1.76E-03	1.06E-05	6.98E-06	6.38E-07	1.60E-03	2.06E-03	1.59E-03	2.11E-07	0.00E+00	4.16E-08	2.66E-04	0.00E+00	0.00E+00	2.06E-03
461 ALL	642746.8	4250298 NonCancel	1.76E-03	1.94E-03	1.17E-05	7.80E-06	7.03E-07	1.76E-03	2.28E-03	1.76E-03	2.25E-07	0.00E+00	4.57E-08	2.93E-04	0.00E+00	0.00E+00	2.28E-03
462 ALL	642846.8	4250298 NonCancel	1.96E-03	2.16E-03	1.29E-05	8.90E-06	7.84E-07	1.97E-03	2.55E-03	1.96E-03	2.43E-07	0.00E+00	5.14E-08	3.26E-04	0.00E+00	0.00E+00	2.55E-03
463 ALL	642946.8	4250298 NonCancel	2.21E-03	2.44E-03	1.45E-05	1.04E-05	8.87E-07	2.22E-03	2.90E-03	2.21E-03	2.66E-07	0.00E+00	5.90E-08	3.68E-04	0.00E+00	0.00E+00	2.90E-03
464 ALL	643046.8	4250298 NonCancel	2.56E-03	2.82E-03	1.67E-05	1.25E-05	1.03E-06	2.57E-03	3.38E-03	2.56E-03	3.01E-07	0.00E+00	7.01E-08	4.26E-04	0.00E+00	0.00E+00	3.38E-03
465 ALL	643146.8	4250298 NonCancel	3.06E-03	3.36E-03	1.97E-05	1.57E-05	1.23E-06	3.07E-03	4.06E-03	3.05E-03	3.48E-07	0.00E+00	8.56E-08	5.08E-04	0.00E+00	0.00E+00	4.06E-03
466 ALL	643246.8	4250298 NonCancel	3.70E-03	4.07E-03	2.35E-05	2.07E-05	1.50E-06	3.72E-03	4.95E-03	3.70E-03	4.04E-07	0.00E+00	1.07E-07	6.12E-04	0.00E+00	0.00E+00	4.95E-03

467 ALL	643346.8	4250298 NonCancel	4.43E-03	4.88E-03	2.72E-05	2.87E-05	1.82E-06	4.45E-03	6.00E-03	4.43E-03	5.07E-07	0.00E+00	1.42E-07	7.29E-04	0.00E+00	0.00E+00	6.00E-03
468 ALL	643446.8	4250298 NonCancel	5.52E-03	6.06E-03	3.17E-05	4.42E-05	2.30E-06	5.55E-03	7.53E-03	5.52E-03	6.95E-07	0.00E+00	1.96E-07	8.91E-04	0.00E+00	0.00E+00	7.53E-03
469 ALL	643546.8	4250298 NonCancel	7.38E-03	8.07E-03	3.72E-05	7.96E-05	3.15E-06	7.43E-03	9.96E-03	7.38E-03	1.14E-06	0.00E+00	3.09E-07	1.14E-03	0.00E+00	0.00E+00	9.96E-03
470 ALL	643646.8	4250298 NonCancel	1.08E-02	1.18E-02	4.38E-05	1.59E-04	4.77E-06	1.09E-02	1.43E-02	1.08E-02	1.96E-06	0.00E+00	5.45E-07	1.59E-03	0.00E+00	0.00E+00	1.43E-02
471 ALL	643746.8	4250298 NonCancel	1.34E-02	1.47E-02	6.35E-05	1.62E-04	5.73E-06	1.35E-02	1.78E-02	1.34E-02	1.93E-06	0.00E+00	5.41E-07	2.02E-03	0.00E+00	0.00E+00	1.78E-02
472 ALL	643846.8	4250298 NonCancel	1.30E-02	1.43E-02	7.34E-05	1.09E-04	5.33E-06	1.31E-02	1.79E-02	1.30E-02	1.40E-06	0.00E+00	3.79E-07	2.04E-03	0.00E+00	0.00E+00	1.79E-02
473 ALL	643946.8	4250298 NonCancel	1.01E-02	1.11E-02	6.11E-05	6.96E-05	4.09E-06	1.02E-02	1.34E-02	1.01E-02	1.00E-06	0.00E+00	2.57E-07	1.62E-03	0.00E+00	0.00E+00	1.34E-02
474 ALL	644046.8	4250298 NonCancel	7.75E-03	8.53E-03	4.84E-05	4.67E-05	3.11E-06	7.79E-03	1.02E-02	7.75E-03	7.57E-07	0.00E+00	1.84E-07	1.25E-03	0.00E+00	0.00E+00	1.02E-02
475 ALL	644146.8	4250298 NonCancel	6.09E-03	6.70E-03	3.87E-05	3.40E-05	2.43E-06	6.11E-03	7.94E-03	6.09E-03	6.09E-07	0.00E+00	1.41E-07	9.89E-04	0.00E+00	0.00E+00	7.94E-03
476 ALL	644246.8	4250298 NonCancel	4.93E-03	5.43E-03	3.16E-05	2.65E-05	1.97E-06	4.95E-03	6.40E-03	4.93E-03	5.15E-07	0.00E+00	1.15E-07	8.04E-04	0.00E+00	0.00E+00	6.40E-03
477 ALL	644346.8	4250298 NonCancel	4.11E-03	4.52E-03	2.64E-05	2.16E-05	1.64E-06	4.12E-03	5.31E-03	4.11E-03	4.50E-07	0.00E+00	9.71E-08	6.71E-04	0.00E+00	0.00E+00	5.31E-03
478 ALL	644446.8	4250298 NonCancel	3.50E-03	3.86E-03	2.26E-05	1.83E-05	1.40E-06	3.52E-03	4.51E-03	3.50E-03	4.00E-07	0.00E+00	8.42E-08	5.73E-04	0.00E+00	0.00E+00	4.51E-03
479 ALL	644546.8	4250298 NonCancel	3.05E-03	3.36E-03	1.97E-05	1.58E-05	1.22E-06	3.06E-03	3.91E-03	3.05E-03	3.60E-07	0.00E+00	7.44E-08	4.99E-04	0.00E+00	0.00E+00	3.91E-03
480 ALL	644646.8	4250298 NonCancel	2.68E-03	2.96E-03	1.73E-05	1.40E-05	1.07E-06	2.69E-03	3.44E-03	2.68E-03	3.27E-07	0.00E+00	6.66E-08	4.39E-04	0.00E+00	0.00E+00	3.44E-03
481 ALL	644746.8	4250298 NonCancel	2.39E-03	2.63E-03	1.53E-05	1.26E-05	9.57E-07	2.40E-03	3.05E-03	2.39E-03	2.98E-07	0.00E+00	6.02E-08	3.91E-04	0.00E+00	0.00E+00	3.05E-03
482 ALL	644846.8	4250298 NonCancel	2.15E-03	2.36E-03	1.38E-05	1.15E-05	8.62E-07	2.16E-03	2.74E-03	2.15E-03	2.74E-07	0.00E+00	5.51E-08	3.51E-04	0.00E+00	0.00E+00	2.74E-03
483 ALL	644946.8	4250298 NonCancel	1.94E-03	2.14E-03	1.24E-05	1.07E-05	7.81E-07	1.95E-03	2.47E-03	1.94E-03	2.54E-07	0.00E+00	5.08E-08	3.17E-04	0.00E+00	0.00E+00	2.47E-03
484 ALL	645046.8	4250298 NonCancel	1.77E-03	1.95E-03	1.12E-05	9.96E-06	7.12E-07	1.78E-03	2.25E-03	1.77E-03	2.36E-07	0.00E+00	4.72E-08	2.88E-04	0.00E+00	0.00E+00	2.25E-03
485 ALL	645146.8	4250298 NonCancel	1.62E-03	1.78E-03	1.02E-05	9.39E-06	6.53E-07	1.63E-03	2.06E-03	1.62E-03	2.21E-07	0.00E+00	4.41E-08	2.63E-04	0.00E+00	0.00E+00	2.06E-03
486 ALL	645246.8	4250298 NonCancel	1.48E-03	1.63E-03	9.26E-06	8.91E-06	6.00E-07	1.49E-03	1.88E-03	1.48E-03	2.06E-07	0.00E+00	4.13E-08	2.41E-04	0.00E+00	0.00E+00	1.88E-03
487 ALL	645346.8	4250298 NonCancel	1.37E-03	1.50E-03	8.45E-06	8.51E-06	5.54E-07	1.37E-03	1.73E-03	1.37E-03	1.93E-07	0.00E+00	3.89E-08	2.21E-04	0.00E+00	0.00E+00	1.73E-03
488 ALL	642446.8	4250398 NonCancel	1.44E-03	1.59E-03	9.65E-06	6.15E-06	5.78E-07	1.45E-03	1.86E-03	1.44E-03	2.06E-07	0.00E+00	3.83E-08	2.41E-04	0.00E+00	0.00E+00	1.86E-03
489 ALL	642546.8	4250398 NonCancel	1.59E-03	1.75E-03	1.06E-05	6.67E-06	6.34E-07	1.59E-03	2.05E-03	1.58E-03	2.19E-07	0.00E+00	4.14E-08	2.65E-04	0.00E+00	0.00E+00	2.05E-03
490 ALL	642646.8	4250398 NonCancel	1.75E-03	1.93E-03	1.17E-05	7.37E-06	6.99E-07	1.76E-03	2.26E-03	1.75E-03	2.32E-07	0.00E+00	4.51E-08	2.92E-04	0.00E+00	0.00E+00	2.26E-03
491 ALL	642746.8	4250398 NonCancel	1.94E-03	2.14E-03	1.30E-05	8.31E-06	7.76E-07	1.95E-03	2.52E-03	1.94E-03	2.47E-07	0.00E+00	4.97E-08	3.24E-04	0.00E+00	0.00E+00	2.52E-03
492 ALL	642846.8	4250398 NonCancel	2.17E-03	2.40E-03	1.44E-05	9.61E-06	8.69E-07	2.18E-03	2.83E-03	2.17E-03	2.64E-07	0.00E+00	5.57E-08	3.62E-04	0.00E+00	0.00E+00	2.83E-03
493 ALL	642946.8	4250398 NonCancel	2.46E-03	2.71E-03	1.62E-05	1.15E-05	9.85E-07	2.47E-03	3.21E-03	2.46E-03	2.88E-07	0.00E+00	6.42E-08	4.09E-04	0.00E+00	0.00E+00	3.21E-03
494 ALL	643046.8	4250398 NonCancel	2.82E-03	3.11E-03	1.83E-05	1.41E-05	1.14E-06	2.84E-03	3.72E-03	2.82E-03	3.24E-07	0.00E+00	7.72E-08	4.69E-04	0.00E+00	0.00E+00	3.72E-03
495 ALL	643146.8	4250398 NonCancel	3.32E-03	3.66E-03	2.12E-05	1.82E-05	1.35E-06	3.33E-03	4.42E-03	3.32E-03	3.84E-07	0.00E+00	9.77E-08	5.51E-04	0.00E+00	0.00E+00	4.42E-03
496 ALL	643246.8	4250398 NonCancel	4.04E-03	4.45E-03	2.52E-05	2.45E-05	1.65E-06	4.06E-03	5.44E-03	4.04E-03	4.75E-07	0.00E+00	1.29E-07	6.69E-04	0.00E+00	0.00E+00	5.44E-03
497 ALL	643346.8	4250398 NonCancel	5.07E-03	5.57E-03	3.04E-05	3.54E-05	2.10E-06	5.10E-03	6.95E-03	5.07E-03	6.28E-07	0.00E+00	1.82E-07	8.35E-04	0.00E+00	0.00E+00	6.95E-03
498 ALL	643446.8	4250398 NonCancel	6.42E-03	7.04E-03	3.54E-05	5.72E-05	2.72E-06	6.46E-03	9.00E-03	6.42E-03	9.42E-07	0.00E+00	2.73E-07	1.04E-03	0.00E+00	0.00E+00	9.00E-03
499 ALL	643546.8	4250398 NonCancel	9.76E-03	1.06E-02	4.41E-05	1.25E-04	4.28E-06	9.83E-03	1.35E-02	9.75E-03	1.88E-06	0.00E+00	5.01E-07	1.49E-03	0.00E+00	0.00E+00	1.35E-02
500 ALL	643646.8	4250398 NonCancel	1.57E-02	1.71E-02	5.89E-05	2.50E-04	7.02E-06	1.58E-02	2.10E-02	1.57E-02	3.01E-06	0.00E+00	8.51E-07	2.27E-03	0.00E+00	0.00E+00	2.10E-02
501 ALL	643746.8	4250398 NonCancel	1.84E-02	2.01E-02	9.91E-05	1.72E-04	7.60E-06	1.85E-02	2.42E-02	1.83E-02	2.10E-06	0.00E+00	5.91E-07	2.85E-03	0.00E+00	0.00E+00	2.42E-02
502 ALL	643846.8	4250398 NonCancel	1.49E-02	1.64E-02	9.12E-05	9.70E-05	5.98E-06	1.50E-02	2.03E-02	1.49E-02	1.32E-06	0.00E+00	3.54E-07	2.39E-03	0.00E+00	0.00E+00	2.03E-02
503 ALL	643946.8	4250398 NonCancel	1.06E-02	1.16E-02	6.67E-05	6.04E-05	4.21E-06	1.06E-02	1.40E-02	1.06E-02	9.20E-07	0.00E+00	2.35E-07	1.71E-03	0.00E+00	0.00E+00	1.40E-02
504 ALL	644046.8	4250398 NonCancel	7.80E-03	8.59E-03	4.99E-05	4.21E-05	3.10E-06	7.83E-03	1.02E-02	7.80E-03	7.13E-07	0.00E+00	1.72E-07	1.27E-03	0.00E+00	0.00E+00	1.02E-02
505 ALL	644146.8	4250398 NonCancel	6.07E-03	6.69E-03	3.92E-05	3.16E-05	2.42E-06	6.10E-03	7.93E-03	6.07E-03	5.89E-07	0.00E+00	1.36E-07	9.91E-04	0.00E+00	0.00E+00	7.93E-03
506 ALL	644246.8	4250398 NonCancel	4.94E-03	5.44E-03	3.20E-05	2.49E-05	1.96E-06	4.96E-03	6.41E-03	4.94E-03	5.04E-07	0.00E+00	1.12E-07	8.08E-04	0.00E+00	0.00E+00	6.41E-03
507 ALL	644346.8	4250398 NonCancel	4.14E-03	4.56E-03	2.70E-05	2.04E-05	1.65E-06	4.16E-03	5.35E-03	4.14E-03	4.42E-07	0.00E+00	9.46E-08	6.79E-04	0.00E+00	0.00E+00	5.35E-03
508 ALL	644446.8	4250398 NonCancel	3.54E-03	3.90E-03	2.31E-05	1.73E-05	1.41E-06	3.56E-03	4.56E-03	3.54E-03	3.93E-07	0.00E+00	8.20E-08	5.82E-04	0.00E+00	0.00E+00	4.56E-03
509 ALL	644546.8	4250398 NonCancel	3.08E-03	3.39E-03	2.01E-05	1.50E-05	1.23E-06	3.09E-03	3.95E-03	3.07E-03	3.53E-07	0.00E+00	7.23E-08	5.05E-04	0.00E+00	0.00E+00	3.95E-03
510 ALL	644646.8	4250398 NonCancel	2.70E-03	2.97E-03	1.76E-05	1.32E-05	1.08E-06	2.71E-03	3.46E-03	2.70E-03	3.20E-07	0.00E+00	6.47E-08	4.43E-04	0.00E+00	0.00E+00	3.46E-03
511 ALL	644746.8	4250398 NonCancel	2.39E-03	2.63E-03	1.55E-05	1.19E-05	9.55E-07	2.40E-03	3.05E-03	2.39E-03	2.93E-07	0.00E+00	5.86E-08	3.92E-04	0.00E+00	0.00E+00	3.05E-03
512 ALL	644846.8	4250398 NonCancel	2.12E-03	2.34E-03	1.37E-05	1.09E-05	8.51E-07	2.13E-03	2.71E-03	2.12E-03	2.68E-07	0.00E+00	5.33E-08	3.48E-04	0.00E+00	0.00E+00	2.71E-03
513 ALL	644946.8	4250398 NonCancel	1.91E-03	2.11E-03	1.23E-05	1.01E-05	7.68E-07	1.92E-03	2.44E-03	1.91E-03	2.48E-07	0.00E+00	4.92E-08	3.13E-04	0.00E+00	0.00E+00	2.44E-03
514 ALL	645046.8	4250398 NonCancel	1.74E-03	1.91E-03	1.11E-05	9.48E-06	6.99E-07	1.75E-03	2.21E-03	1.74E-03	2.30E-07	0.00E+00	4.57E-08	2.84E-04	0.00E+00	0.00E+00	2.21E-03
515 ALL	645146.8	4250398 NonCancel	1.59E-03	1.75E-03	1.01E-05	8.97E-06	6.41E-07	1.60E-03	2.02E-03	1.59E-03	2.15E-07	0.00E+00	4.28E-08	2.59E-04	0.00E+00	0.00E+00	2.02E-03
516 ALL	645246.8	4250398 NonCancel	1.46E-03	1.61E-03	9.20E-06	8.56E-06	5.92E-07	1.47E-03	1.86E-03	1.46E-03	2.02E-07	0.00E+00	4.03E-08	2.38E-04	0.00E+00	0.00E+00	1.86E-03
517 ALL	645346.8	4250398 NonCancel	1.35E-03	1.49E-03	8.41E-06	8.19E-06	5.47E-07	1.36E-03	1.71E-03	1.35E-03	1.90E-07	0.00E+00	3.81E-08	2.19E-04	0.00E+00	0.00E+00	1.71E-03
518 ALL	642446.8	4250498 NonCancel	1.55E-03	1.71E-03	1.04E-05	6.59E-06	6.22E-07	1.56E-03	2.00E-03	1.55E-03	2.24E-07	0.00E+00	4.14E-08	2.59E-04	0.00E+00	0.00E+00	2.00E-03

519 ALL	642546.8	4250498 NonCancel	1.72E-03	1.89E-03	1.15E-05	7.13E-06	6.86E-07	1.72E-03	2.21E-03	1.72E-03	2.40E-07	0.00E+00	4.50E-08	2.87E-04	0.00E+00	0.00E+00	2.21E-03
520 ALL	642646.8	4250498 NonCancel	1.91E-03	2.11E-03	1.28E-05	7.88E-06	7.63E-07	1.92E-03	2.47E-03	1.91E-03	2.56E-07	0.00E+00	4.93E-08	3.20E-04	0.00E+00	0.00E+00	2.47E-03
521 ALL	642746.8	4250498 NonCancel	2.15E-03	2.37E-03	1.44E-05	8.93E-06	8.58E-07	2.16E-03	2.78E-03	2.15E-03	2.76E-07	0.00E+00	5.49E-08	3.59E-04	0.00E+00	0.00E+00	2.78E-03
522 ALL	642846.8	4250498 NonCancel	2.43E-03	2.68E-03	1.63E-05	1.04E-05	9.72E-07	2.44E-03	3.16E-03	2.43E-03	2.97E-07	0.00E+00	6.19E-08	4.07E-04	0.00E+00	0.00E+00	3.16E-03
523 ALL	642946.8	4250498 NonCancel	2.79E-03	3.08E-03	1.85E-05	1.26E-05	1.12E-06	2.80E-03	3.64E-03	2.79E-03	3.24E-07	0.00E+00	7.17E-08	4.66E-04	0.00E+00	0.00E+00	3.64E-03
524 ALL	643046.8	4250498 NonCancel	3.23E-03	3.56E-03	2.11E-05	1.59E-05	1.30E-06	3.25E-03	4.24E-03	3.23E-03	3.61E-07	0.00E+00	8.63E-08	5.37E-04	0.00E+00	0.00E+00	4.24E-03
525 ALL	643146.8	4250498 NonCancel	3.80E-03	4.18E-03	2.42E-05	2.11E-05	1.54E-06	3.82E-03	5.05E-03	3.80E-03	4.29E-07	0.00E+00	1.11E-07	6.30E-04	0.00E+00	0.00E+00	5.05E-03
526 ALL	643246.8	4250498 NonCancel	4.57E-03	5.02E-03	2.80E-05	2.97E-05	1.88E-06	4.59E-03	6.19E-03	4.57E-03	5.71E-07	0.00E+00	1.59E-07	7.56E-04	0.00E+00	0.00E+00	6.19E-03
527 ALL	643346.8	4250498 NonCancel	5.73E-03	6.29E-03	3.33E-05	4.42E-05	2.42E-06	5.76E-03	8.03E-03	5.73E-03	8.41E-07	0.00E+00	2.46E-07	9.49E-04	0.00E+00	0.00E+00	8.03E-03
528 ALL	643446.8	4250498 NonCancel	7.68E-03	8.42E-03	4.16E-05	7.18E-05	3.35E-06	7.73E-03	1.13E-02	7.68E-03	1.44E-06	0.00E+00	4.16E-07	1.27E-03	0.00E+00	0.00E+00	1.13E-02
529 ALL	643546.8	4250498 NonCancel	1.36E-02	1.48E-02	5.50E-05	2.02E-04	6.25E-06	1.37E-02	1.99E-02	1.36E-02	3.73E-06	0.00E+00	9.27E-07	2.09E-03	0.00E+00	0.00E+00	1.99E-02
530 ALL	643646.8	4250498 NonCancel	2.21E-02	2.41E-02	9.78E-05	2.92E-04	9.63E-06	2.22E-02	3.04E-02	2.21E-02	3.75E-06	0.00E+00	1.06E-06	3.32E-03	0.00E+00	0.00E+00	3.04E-02
531 ALL	643746.8	4250498 NonCancel	2.56E-02	2.82E-02	1.62E-04	1.46E-04	1.02E-05	2.58E-02	3.37E-02	2.56E-02	1.91E-06	0.00E+00	5.37E-07	4.15E-03	0.00E+00	0.00E+00	3.37E-02
532 ALL	643846.8	4250498 NonCancel	1.57E-02	1.73E-02	1.01E-04	8.44E-05	6.24E-06	1.58E-02	2.16E-02	1.57E-02	1.19E-06	0.00E+00	3.22E-07	2.56E-03	0.00E+00	0.00E+00	2.16E-02
533 ALL	643946.8	4250498 NonCancel	1.04E-02	1.15E-02	6.68E-05	5.53E-05	4.13E-06	1.04E-02	1.39E-02	1.04E-02	8.63E-07	0.00E+00	2.21E-07	1.69E-03	0.00E+00	0.00E+00	1.39E-02
534 ALL	644046.8	4250498 NonCancel	7.71E-03	8.49E-03	4.99E-05	3.94E-05	3.06E-06	7.74E-03	1.02E-02	7.71E-03	6.84E-07	0.00E+00	1.66E-07	1.26E-03	0.00E+00	0.00E+00	1.02E-02
535 ALL	644146.8	4250498 NonCancel	6.08E-03	6.70E-03	3.97E-05	2.97E-05	2.41E-06	6.11E-03	7.95E-03	6.08E-03	5.69E-07	0.00E+00	1.31E-07	9.97E-04	0.00E+00	0.00E+00	7.95E-03
536 ALL	644246.8	4250498 NonCancel	4.97E-03	5.47E-03	3.26E-05	2.35E-05	1.97E-06	4.98E-03	6.45E-03	4.96E-03	4.89E-07	0.00E+00	1.08E-07	8.16E-04	0.00E+00	0.00E+00	6.45E-03
537 ALL	644346.8	4250498 NonCancel	4.15E-03	4.57E-03	2.73E-05	1.94E-05	1.65E-06	4.16E-03	5.36E-03	4.15E-03	4.29E-07	0.00E+00	9.16E-08	6.82E-04	0.00E+00	0.00E+00	5.36E-03
538 ALL	644446.8	4250498 NonCancel	3.53E-03	3.89E-03	2.32E-05	1.64E-05	1.40E-06	3.54E-03	4.54E-03	3.53E-03	3.83E-07	0.00E+00	7.95E-08	5.81E-04	0.00E+00	0.00E+00	4.54E-03
539 ALL	644546.8	4250498 NonCancel	3.05E-03	3.36E-03	2.00E-05	1.43E-05	1.21E-06	3.06E-03	3.91E-03	3.05E-03	3.45E-07	0.00E+00	7.03E-08	5.02E-04	0.00E+00	0.00E+00	3.91E-03
540 ALL	644646.8	4250498 NonCancel	2.67E-03	2.94E-03	1.75E-05	1.27E-05	1.06E-06	2.68E-03	3.42E-03	2.67E-03	3.14E-07	0.00E+00	6.30E-08	4.39E-04	0.00E+00	0.00E+00	3.42E-03
541 ALL	644746.8	4250498 NonCancel	2.36E-03	2.60E-03	1.55E-05	1.15E-05	9.43E-07	2.37E-03	3.02E-03	2.36E-03	2.88E-07	0.00E+00	5.72E-08	3.89E-04	0.00E+00	0.00E+00	3.02E-03
542 ALL	644846.8	4250498 NonCancel	2.12E-03	2.33E-03	1.38E-05	1.05E-05	8.46E-07	2.12E-03	2.70E-03	2.12E-03	2.66E-07	0.00E+00	5.25E-08	3.48E-04	0.00E+00	0.00E+00	2.70E-03
543 ALL	644946.8	4250498 NonCancel	1.90E-03	2.09E-03	1.23E-05	9.77E-06	7.61E-07	1.91E-03	2.42E-03	1.90E-03	2.45E-07	0.00E+00	4.83E-08	3.12E-04	0.00E+00	0.00E+00	2.42E-03
544 ALL	645046.8	4250498 NonCancel	1.72E-03	1.90E-03	1.11E-05	9.16E-06	6.92E-07	1.73E-03	2.19E-03	1.72E-03	2.27E-07	0.00E+00	4.49E-08	2.82E-04	0.00E+00	0.00E+00	2.19E-03
545 ALL	645146.8	4250498 NonCancel	1.57E-03	1.73E-03	1.00E-05	8.67E-06	6.34E-07	1.58E-03	2.00E-03	1.57E-03	2.12E-07	0.00E+00	4.20E-08	2.57E-04	0.00E+00	0.00E+00	2.00E-03
546 ALL	645246.8	4250498 NonCancel	1.45E-03	1.60E-03	9.16E-06	8.28E-06	5.85E-07	1.46E-03	1.84E-03	1.45E-03	1.99E-07	0.00E+00	3.96E-08	2.36E-04	0.00E+00	0.00E+00	1.84E-03
547 ALL	645346.8	4250498 NonCancel	1.34E-03	1.47E-03	8.40E-06	7.94E-06	5.42E-07	1.35E-03	1.70E-03	1.34E-03	1.88E-07	0.00E+00	3.74E-08	2.18E-04	0.00E+00	0.00E+00	1.70E-03
548 ALL	642446.8	4250598 NonCancel	1.64E-03	1.81E-03	1.09E-05	7.13E-06	6.58E-07	1.65E-03	2.11E-03	1.64E-03	2.41E-07	0.00E+00	4.46E-08	2.74E-04	0.00E+00	0.00E+00	2.11E-03
549 ALL	642546.8	4250598 NonCancel	1.83E-03	2.02E-03	1.23E-05	7.74E-06	7.33E-07	1.84E-03	2.36E-03	1.83E-03	2.61E-07	0.00E+00	4.89E-08	3.06E-04	0.00E+00	0.00E+00	2.36E-03
550 ALL	642646.8	4250598 NonCancel	2.06E-03	2.27E-03	1.38E-05	8.57E-06	8.24E-07	2.07E-03	2.66E-03	2.06E-03	2.83E-07	0.00E+00	5.41E-08	3.45E-04	0.00E+00	0.00E+00	2.66E-03
551 ALL	642746.8	4250598 NonCancel	2.34E-03	2.58E-03	1.57E-05	9.72E-06	9.35E-07	2.35E-03	3.03E-03	2.34E-03	3.09E-07	0.00E+00	6.08E-08	3.91E-04	0.00E+00	0.00E+00	3.03E-03
552 ALL	642846.8	4250598 NonCancel	2.69E-03	2.97E-03	1.80E-05	1.14E-05	1.08E-06	2.70E-03	3.49E-03	2.69E-03	3.39E-07	0.00E+00	6.96E-08	4.50E-04	0.00E+00	0.00E+00	3.49E-03
553 ALL	642946.8	4250598 NonCancel	3.14E-03	3.47E-03	2.09E-05	1.39E-05	1.26E-06	3.16E-03	4.10E-03	3.14E-03	3.76E-07	0.00E+00	8.19E-08	5.25E-04	0.00E+00	0.00E+00	4.10E-03
554 ALL	643046.8	4250598 NonCancel	3.73E-03	4.11E-03	2.45E-05	1.78E-05	1.50E-06	3.75E-03	4.90E-03	3.73E-03	4.26E-07	0.00E+00	1.00E-07	6.22E-04	0.00E+00	0.00E+00	4.90E-03
555 ALL	643146.8	4250598 NonCancel	4.51E-03	4.96E-03	2.89E-05	2.43E-05	1.82E-06	4.53E-03	5.98E-03	4.51E-03	5.09E-07	0.00E+00	1.32E-07	7.49E-04	0.00E+00	0.00E+00	5.98E-03
556 ALL	643246.8	4250598 NonCancel	5.54E-03	6.09E-03	3.40E-05	3.55E-05	2.28E-06	5.56E-03	7.51E-03	5.54E-03	6.90E-07	0.00E+00	1.93E-07	9.18E-04	0.00E+00	0.00E+00	7.51E-03
557 ALL	643346.8	4250598 NonCancel	6.93E-03	7.60E-03	3.99E-05	5.49E-05	2.97E-06	6.96E-03	9.93E-03	6.92E-03	1.18E-06	0.00E+00	3.42E-07	1.16E-03	0.00E+00	0.00E+00	9.93E-03
558 ALL	643746.8	4250598 NonCancel	2.95E-02	3.26E-02	1.98E-04	1.23E-04	1.15E-05	2.96E-02	3.94E-02	2.95E-02	1.65E-06	0.00E+00	4.77E-07	4.86E-03	0.00E+00	0.00E+00	3.94E-02
559 ALL	643846.8	4250598 NonCancel	1.46E-02	1.61E-02	9.40E-05	7.60E-05	5.78E-06	1.46E-02	2.06E-02	1.46E-02	1.09E-06	0.00E+00	3.01E-07	2.38E-03	0.00E+00	0.00E+00	2.06E-02
560 ALL	643946.8	4250598 NonCancel	1.00E-02	1.10E-02	6.47E-05	5.13E-05	3.97E-06	1.01E-02	1.35E-02	1.00E-02	8.09E-07	0.00E+00	2.10E-07	1.63E-03	0.00E+00	0.00E+00	1.35E-02
561 ALL	644046.8	4250598 NonCancel	7.55E-03	8.32E-03	4.92E-05	3.71E-05	2.99E-06	7.58E-03	1.00E-02	7.55E-03	6.49E-07	0.00E+00	1.59E-07	1.24E-03	0.00E+00	0.00E+00	1.00E-02
562 ALL	644146.8	4250598 NonCancel	5.96E-03	6.57E-03	3.91E-05	2.83E-05	2.36E-06	5.98E-03	7.81E-03	5.96E-03	5.46E-07	0.00E+00	1.26E-07	9.79E-04	0.00E+00	0.00E+00	7.81E-03
563 ALL	644246.8	4250598 NonCancel	4.86E-03	5.35E-03	3.20E-05	2.26E-05	1.92E-06	4.88E-03	6.32E-03	4.86E-03	4.72E-07	0.00E+00	1.05E-07	7.99E-04	0.00E+00	0.00E+00	6.32E-03
564 ALL	644346.8	4250598 NonCancel	4.06E-03	4.47E-03	2.68E-05	1.86E-05	1.61E-06	4.07E-03	5.25E-03	4.06E-03	4.17E-07	0.00E+00	8.91E-08	6.69E-04	0.00E+00	0.00E+00	5.25E-03
565 ALL	644446.8	4250598 NonCancel	3.46E-03	3.81E-03	2.28E-05	1.58E-05	1.37E-06	3.47E-03	4.46E-03	3.46E-03	3.73E-07	0.00E+00	7.75E-08	5.70E-04	0.00E+00	0.00E+00	4.46E-03
566 ALL	644546.8	4250598 NonCancel	2.99E-03	3.30E-03	1.97E-05	1.38E-05	1.19E-06	3.00E-03	3.84E-03	2.99E-03	3.37E-07	0.00E+00	6.86E-08	4.93E-04	0.00E+00	0.00E+00	3.84E-03
567 ALL	644646.8	4250598 NonCancel	2.62E-03	2.89E-03	1.72E-05	1.23E-05	1.04E-06	2.63E-03	3.36E-03	2.62E-03	3.07E-07	0.00E+00	6.16E-08	4.32E-04	0.00E+00	0.00E+00	3.36E-03
568 ALL	644746.8	4250598 NonCancel	2.32E-03	2.56E-03	1.52E-05	1.11E-05	9.27E-07	2.33E-03	2.97E-03	2.32E-03	2.82E-07	0.00E+00	5.60E-08	3.83E-04	0.00E+00	0.00E+00	2.97E-03
569 ALL	644846.8	4250598 NonCancel	2.08E-03	2.29E-03	1.35E-05	1.02E-05	8.30E-07	2.09E-03	2.65E-03	2.08E-03	2.60E-07	0.00E+00	5.13E-08	3.42E-04	0.00E+00	0.00E+00	2.65E-03
570 ALL	644946.8	4250598 NonCancel	1.87E-03	2.06E-03	1.21E-05	9.47E-06	7.47E-07	1.87E-03	2.38E-03	1.87E-03	2.40E-07	0.00E+00	4.72E-08	3.06E-04	0.00E+00	0.00E+00	2.38E-03

571 ALL	645046.8	4250598	NonCancel	1.71E-03	1.88E-03	1.10E-05	8.91E-06	6.85E-07	1.71E-03	2.17E-03	1.71E-03	2.25E-07	0.00E+00	4.42E-08	2.80E-04	0.00E+00	0.00E+00	2.17E-03
572 ALL	645146.8	4250598	NonCancel	1.56E-03	1.72E-03	9.96E-06	8.44E-06	6.27E-07	1.56E-03	1.98E-03	1.56E-03	2.10E-07	0.00E+00	4.13E-08	2.55E-04	0.00E+00	0.00E+00	1.98E-03
573 ALL	645246.8	4250598	NonCancel	1.43E-03	1.57E-03	9.04E-06	8.03E-06	5.75E-07	1.43E-03	1.81E-03	1.43E-03	1.96E-07	0.00E+00	3.87E-08	2.33E-04	0.00E+00	0.00E+00	1.81E-03
574 ALL	645346.8	4250598	NonCancel	1.32E-03	1.45E-03	8.31E-06	7.71E-06	5.34E-07	1.33E-03	1.68E-03	1.32E-03	1.85E-07	0.00E+00	3.67E-08	2.15E-04	0.00E+00	0.00E+00	1.68E-03
575 ALL	642446.8	4250698	NonCancel	1.72E-03	1.89E-03	1.14E-05	7.77E-06	6.91E-07	1.72E-03	2.21E-03	1.72E-03	2.59E-07	0.00E+00	4.80E-08	2.86E-04	0.00E+00	0.00E+00	2.21E-03
576 ALL	642546.8	4250698	NonCancel	1.93E-03	2.12E-03	1.28E-05	8.46E-06	7.74E-07	1.93E-03	2.48E-03	1.93E-03	2.84E-07	0.00E+00	5.30E-08	3.22E-04	0.00E+00	0.00E+00	2.48E-03
577 ALL	642646.8	4250698	NonCancel	2.18E-03	2.41E-03	1.46E-05	9.39E-06	8.76E-07	2.19E-03	2.82E-03	2.18E-03	3.13E-07	0.00E+00	5.92E-08	3.65E-04	0.00E+00	0.00E+00	2.82E-03
578 ALL	642746.8	4250698	NonCancel	2.51E-03	2.76E-03	1.68E-05	1.07E-05	1.01E-06	2.52E-03	3.24E-03	2.51E-03	3.48E-07	0.00E+00	6.75E-08	4.20E-04	0.00E+00	0.00E+00	3.24E-03
579 ALL	642846.8	4250698	NonCancel	2.92E-03	3.22E-03	1.95E-05	1.26E-05	1.17E-06	2.93E-03	3.79E-03	2.92E-03	3.91E-07	0.00E+00	7.85E-08	4.89E-04	0.00E+00	0.00E+00	3.79E-03
580 ALL	642946.8	4250698	NonCancel	3.47E-03	3.83E-03	2.30E-05	1.55E-05	1.39E-06	3.49E-03	4.52E-03	3.47E-03	4.47E-07	0.00E+00	9.43E-08	5.81E-04	0.00E+00	0.00E+00	4.52E-03
581 ALL	643046.8	4250698	NonCancel	4.21E-03	4.64E-03	2.77E-05	2.00E-05	1.70E-06	4.23E-03	5.53E-03	4.21E-03	5.26E-07	0.00E+00	1.19E-07	7.04E-04	0.00E+00	0.00E+00	5.53E-03
582 ALL	643146.8	4250698	NonCancel	5.27E-03	5.80E-03	3.39E-05	2.77E-05	2.14E-06	5.29E-03	6.98E-03	5.26E-03	6.59E-07	0.00E+00	1.61E-07	8.79E-04	0.00E+00	0.00E+00	6.98E-03
583 ALL	643246.8	4250698	NonCancel	6.80E-03	7.48E-03	4.23E-05	4.16E-05	2.81E-06	6.83E-03	9.24E-03	6.80E-03	9.42E-07	0.00E+00	2.49E-07	1.14E-03	0.00E+00	0.00E+00	9.24E-03
584 ALL	643346.8	4250698	NonCancel	9.16E-03	1.01E-02	5.42E-05	6.74E-05	3.96E-06	9.21E-03	1.33E-02	9.16E-03	1.77E-06	0.00E+00	4.92E-07	1.57E-03	0.00E+00	0.00E+00	1.33E-02
585 ALL	643746.8	4250698	NonCancel	2.36E-02	2.60E-02	1.54E-04	1.16E-04	9.30E-06	2.37E-02	3.30E-02	2.36E-02	1.54E-06	0.00E+00	4.57E-07	3.86E-03	0.00E+00	0.00E+00	3.30E-02
586 ALL	643846.8	4250698	NonCancel	1.32E-02	1.45E-02	8.39E-05	7.22E-05	5.23E-06	1.32E-02	1.90E-02	1.32E-02	1.03E-06	0.00E+00	2.87E-07	2.14E-03	0.00E+00	0.00E+00	1.90E-02
587 ALL	643946.8	4250698	NonCancel	9.33E-03	1.03E-02	6.00E-05	4.91E-05	3.71E-06	9.37E-03	1.27E-02	9.33E-03	7.74E-07	0.00E+00	2.02E-07	1.52E-03	0.00E+00	0.00E+00	1.27E-02
588 ALL	644046.8	4250698	NonCancel	7.15E-03	7.88E-03	4.65E-05	3.57E-05	2.84E-06	7.18E-03	9.50E-03	7.15E-03	6.25E-07	0.00E+00	1.53E-07	1.17E-03	0.00E+00	0.00E+00	9.50E-03
589 ALL	644146.8	4250698	NonCancel	5.69E-03	6.27E-03	3.72E-05	2.74E-05	2.26E-06	5.71E-03	7.46E-03	5.69E-03	5.27E-07	0.00E+00	1.22E-07	9.34E-04	0.00E+00	0.00E+00	7.46E-03
590 ALL	644246.8	4250698	NonCancel	4.66E-03	5.13E-03	3.06E-05	2.19E-05	1.85E-06	4.68E-03	6.06E-03	4.66E-03	4.57E-07	0.00E+00	1.01E-07	7.66E-04	0.00E+00	0.00E+00	6.06E-03
591 ALL	644346.8	4250698	NonCancel	3.90E-03	4.30E-03	2.57E-05	1.82E-05	1.55E-06	3.92E-03	5.05E-03	3.90E-03	4.03E-07	0.00E+00	8.63E-08	6.42E-04	0.00E+00	0.00E+00	5.05E-03
592 ALL	644446.8	4250698	NonCancel	3.33E-03	3.67E-03	2.19E-05	1.55E-05	1.32E-06	3.34E-03	4.29E-03	3.33E-03	3.61E-07	0.00E+00	7.52E-08	5.48E-04	0.00E+00	0.00E+00	4.29E-03
593 ALL	644546.8	4250698	NonCancel	2.88E-03	3.18E-03	1.90E-05	1.35E-05	1.15E-06	2.90E-03	3.71E-03	2.88E-03	3.27E-07	0.00E+00	6.66E-08	4.75E-04	0.00E+00	0.00E+00	3.71E-03
594 ALL	644646.8	4250698	NonCancel	2.53E-03	2.79E-03	1.66E-05	1.20E-05	1.01E-06	2.54E-03	3.24E-03	2.53E-03	2.98E-07	0.00E+00	5.98E-08	4.17E-04	0.00E+00	0.00E+00	3.24E-03
595 ALL	644746.8	4250698	NonCancel	2.24E-03	2.47E-03	1.47E-05	1.09E-05	8.96E-07	2.25E-03	2.87E-03	2.24E-03	2.73E-07	0.00E+00	5.44E-08	3.69E-04	0.00E+00	0.00E+00	2.87E-03
596 ALL	644846.8	4250698	NonCancel	2.00E-03	2.21E-03	1.30E-05	9.97E-06	8.01E-07	2.01E-03	2.56E-03	2.00E-03	2.51E-07	0.00E+00	4.97E-08	3.29E-04	0.00E+00	0.00E+00	2.56E-03
597 ALL	644946.8	4250698	NonCancel	1.81E-03	2.00E-03	1.17E-05	9.28E-06	7.27E-07	1.82E-03	2.31E-03	1.81E-03	2.34E-07	0.00E+00	4.61E-08	2.98E-04	0.00E+00	0.00E+00	2.31E-03
598 ALL	645046.8	4250698	NonCancel	1.65E-03	1.82E-03	1.06E-05	8.72E-06	6.63E-07	1.66E-03	2.10E-03	1.65E-03	2.18E-07	0.00E+00	4.29E-08	2.70E-04	0.00E+00	0.00E+00	2.10E-03
599 ALL	645146.8	4250698	NonCancel	1.51E-03	1.66E-03	9.65E-06	8.26E-06	6.08E-07	1.52E-03	1.92E-03	1.51E-03	2.04E-07	0.00E+00	4.02E-08	2.47E-04	0.00E+00	0.00E+00	1.92E-03
600 ALL	645246.8	4250698	NonCancel	1.39E-03	1.53E-03	8.82E-06	7.88E-06	5.62E-07	1.40E-03	1.77E-03	1.39E-03	1.92E-07	0.00E+00	3.79E-08	2.27E-04	0.00E+00	0.00E+00	1.77E-03
601 ALL	645346.8	4250698	NonCancel	1.29E-03	1.42E-03	8.09E-06	7.57E-06	5.21E-07	1.29E-03	1.64E-03	1.29E-03	1.81E-07	0.00E+00	3.59E-08	2.10E-04	0.00E+00	0.00E+00	1.64E-03
602 ALL	642446.8	4250798	NonCancel	1.81E-03	2.00E-03	1.19E-05	8.63E-06	7.31E-07	1.82E-03	2.33E-03	1.81E-03	2.83E-07	0.00E+00	5.23E-08	3.01E-04	0.00E+00	0.00E+00	2.33E-03
603 ALL	642546.8	4250798	NonCancel	2.04E-03	2.25E-03	1.35E-05	9.43E-06	8.24E-07	2.05E-03	2.63E-03	2.04E-03	3.14E-07	0.00E+00	5.82E-08	3.41E-04	0.00E+00	0.00E+00	2.63E-03
604 ALL	642646.8	4250798	NonCancel	2.33E-03	2.57E-03	1.55E-05	1.05E-05	9.39E-07	2.34E-03	3.01E-03	2.33E-03	3.51E-07	0.00E+00	6.58E-08	3.89E-04	0.00E+00	0.00E+00	3.01E-03
605 ALL	642746.8	4250798	NonCancel	2.70E-03	2.98E-03	1.79E-05	1.20E-05	1.09E-06	2.71E-03	3.48E-03	2.70E-03	3.98E-07	0.00E+00	7.58E-08	4.51E-04	0.00E+00	0.00E+00	3.48E-03
606 ALL	642846.8	4250798	NonCancel	3.18E-03	3.51E-03	2.11E-05	1.41E-05	1.28E-06	3.19E-03	4.12E-03	3.18E-03	4.59E-07	0.00E+00	8.96E-08	5.33E-04	0.00E+00	0.00E+00	4.12E-03
607 ALL	642946.8	4250798	NonCancel	3.84E-03	4.23E-03	2.54E-05	1.74E-05	1.55E-06	3.85E-03	4.99E-03	3.83E-03	5.44E-07	0.00E+00	1.10E-07	6.42E-04	0.00E+00	0.00E+00	4.99E-03
608 ALL	643046.8	4250798	NonCancel	4.74E-03	5.22E-03	3.11E-05	2.25E-05	1.92E-06	4.76E-03	6.20E-03	4.74E-03	6.69E-07	0.00E+00	1.41E-07	7.94E-04	0.00E+00	0.00E+00	6.20E-03
609 ALL	643146.8	4250798	NonCancel	6.10E-03	6.72E-03	3.94E-05	3.14E-05	2.49E-06	6.13E-03	8.07E-03	6.10E-03	8.94E-07	0.00E+00	1.98E-07	1.02E-03	0.00E+00	0.00E+00	8.07E-03
610 ALL	643246.8	4250798	NonCancel	8.34E-03	9.18E-03	5.23E-05	4.95E-05	3.47E-06	8.38E-03	1.13E-02	8.34E-03	1.41E-06	0.00E+00	3.27E-07	1.40E-03	0.00E+00	0.00E+00	1.13E-02
611 ALL	643746.8	4250798	NonCancel	4.69E-02	5.17E-02	3.11E-04	2.13E-04	1.83E-05	4.71E-02	6.15E-02	4.69E-02	2.27E-06	0.00E+00	6.88E-07	7.63E-03	0.00E+00	0.00E+00	6.15E-02
612 ALL	643846.8	4250798	NonCancel	1.54E-02	1.69E-02	9.58E-05	9.35E-05	6.14E-06	1.55E-02	2.22E-02	1.54E-02	1.20E-06	0.00E+00	3.40E-07	2.48E-03	0.00E+00	0.00E+00	2.22E-02
613 ALL	643946.8	4250798	NonCancel	9.68E-03	1.07E-02	6.12E-05	5.49E-05	3.86E-06	9.72E-03	1.31E-02	9.68E-03	8.29E-07	0.00E+00	2.16E-07	1.57E-03	0.00E+00	0.00E+00	1.31E-02
614 ALL	644046.8	4250798	NonCancel	7.18E-03	7.90E-03	4.62E-05	3.76E-05	2.85E-06	7.21E-03	9.50E-03	7.18E-03	6.44E-07	0.00E+00	1.57E-07	1.17E-03	0.00E+00	0.00E+00	9.50E-03
615 ALL	644146.8	4250798	NonCancel	5.63E-03	6.20E-03	3.66E-05	2.80E-05	2.24E-06	5.65E-03	7.36E-03	5.63E-03	5.33E-07	0.00E+00	1.23E-07	9.22E-04	0.00E+00	0.00E+00	7.36E-03
616 ALL	644246.8	4250798	NonCancel	4.57E-03	5.04E-03	2.99E-05	2.21E-05	1.82E-06	4.59E-03	5.94E-03	4.57E-03	4.56E-07	0.00E+00	1.01E-07	7.51E-04	0.00E+00	0.00E+00	5.94E-03
617 ALL	644346.8	4250798	NonCancel	3.81E-03	4.20E-03	2.50E-05	1.82E-05	1.51E-06	3.83E-03	4.93E-03	3.81E-03	4.00E-07	0.00E+00	8.56E-08	6.27E-04	0.00E+00	0.00E+00	4.93E-03
618 ALL	644446.8	4250798	NonCancel	3.24E-03	3.57E-03	2.13E-05	1.54E-05	1.29E-06	3.26E-03	4.18E-03	3.24E-03	3.57E-07	0.00E+00	7.43E-08	5.34E-04	0.00E+00	0.00E+00	4.18E-03
619 ALL	644546.8	4250798	NonCancel	2.81E-03	3.09E-03	1.84E-05	1.34E-05	1.12E-06	2.82E-03	3.60E-03	2.80E-03	3.21E-07	0.00E+00	6.56E-08	4.61E-04	0.00E+00	0.00E+00	3.60E-03
620 ALL	644646.8	4250798	NonCancel	2.46E-03	2.71E-03	1.61E-05	1.19E-05	9.80E-07	2.47E-03	3.15E-03	2.46E-03	2.92E-07	0.00E+00	5.88E-08	4.04E-04	0.00E+00	0.00E+00	3.15E-03
621 ALL	644746.8	4250798	NonCancel	2.18E-03	2.40E-03	1.42E-05	1.08E-05	8.71E-07	2.19E-03	2.79E-03	2.18E-03	2.68E-07	0.00E+00	5.34E-08	3.58E-04	0.00E+00	0.00E+00	2.79E-03
622 ALL	644846.8	4250798	NonCancel	1.95E-03														

623 ALL	644946.8	4250798 NonCancel	1.76E-03	1.94E-03	1.13E-05	9.21E-06	7.07E-07	1.77E-03	2.25E-03	1.76E-03	2.29E-07	0.00E+00	4.52E-08	2.89E-04	0.00E+00	0.00E+00	2.25E-03
624 ALL	645046.8	4250798 NonCancel	1.60E-03	1.76E-03	1.03E-05	8.65E-06	6.44E-07	1.61E-03	2.04E-03	1.60E-03	2.13E-07	0.00E+00	4.21E-08	2.62E-04	0.00E+00	0.00E+00	2.04E-03
625 ALL	645146.8	4250798 NonCancel	1.47E-03	1.62E-03	9.32E-06	8.19E-06	5.91E-07	1.47E-03	1.87E-03	1.47E-03	1.99E-07	0.00E+00	3.95E-08	2.40E-04	0.00E+00	0.00E+00	1.87E-03
626 ALL	645246.8	4250798 NonCancel	1.35E-03	1.49E-03	8.52E-06	7.81E-06	5.46E-07	1.36E-03	1.72E-03	1.35E-03	1.87E-07	0.00E+00	3.72E-08	2.20E-04	0.00E+00	0.00E+00	1.72E-03
627 ALL	645346.8	4250798 NonCancel	1.25E-03	1.38E-03	7.83E-06	7.50E-06	5.70E-07	1.26E-03	1.59E-03	1.25E-03	1.77E-07	0.00E+00	3.52E-08	2.03E-04	0.00E+00	0.00E+00	1.59E-03
628 ALL	642446.8	4250898 NonCancel	1.92E-03	2.12E-03	1.24E-05	9.85E-06	7.07E-07	1.93E-03	2.47E-03	1.92E-03	3.09E-07	0.00E+00	5.75E-08	3.19E-04	0.00E+00	0.00E+00	2.47E-03
629 ALL	642546.8	4250898 NonCancel	2.18E-03	2.40E-03	1.42E-05	1.08E-05	8.80E-07	2.18E-03	2.79E-03	2.18E-03	3.45E-07	0.00E+00	6.44E-08	3.61E-04	0.00E+00	0.00E+00	2.79E-03
630 ALL	642646.8	4250898 NonCancel	2.49E-03	2.75E-03	1.63E-05	1.20E-05	1.01E-06	2.50E-03	3.21E-03	2.49E-03	3.91E-07	0.00E+00	7.32E-08	4.15E-04	0.00E+00	0.00E+00	3.21E-03
631 ALL	642746.8	4250898 NonCancel	2.90E-03	3.20E-03	1.91E-05	1.37E-05	1.17E-06	2.91E-03	3.74E-03	2.90E-03	4.50E-07	0.00E+00	8.50E-08	4.84E-04	0.00E+00	0.00E+00	3.74E-03
632 ALL	642846.8	4250898 NonCancel	3.44E-03	3.80E-03	2.26E-05	1.62E-05	1.39E-06	3.46E-03	4.45E-03	3.44E-03	5.31E-07	0.00E+00	1.02E-07	5.75E-04	0.00E+00	0.00E+00	4.45E-03
633 ALL	642946.8	4250898 NonCancel	4.18E-03	4.60E-03	2.74E-05	1.99E-05	1.69E-06	4.19E-03	5.42E-03	4.18E-03	6.46E-07	0.00E+00	1.26E-07	6.98E-04	0.00E+00	0.00E+00	5.42E-03
634 ALL	643046.8	4250898 NonCancel	5.28E-03	5.82E-03	3.44E-05	2.61E-05	2.15E-06	5.30E-03	6.90E-03	5.28E-03	8.43E-07	0.00E+00	1.69E-07	8.84E-04	0.00E+00	0.00E+00	6.90E-03
635 ALL	643146.8	4250898 NonCancel	7.13E-03	7.85E-03	4.55E-05	3.90E-05	2.93E-06	7.16E-03	9.40E-03	7.12E-03	1.22E-06	0.00E+00	2.53E-07	1.19E-03	0.00E+00	0.00E+00	9.40E-03
636 ALL	643246.8	4250898 NonCancel	1.06E-02	1.17E-02	6.47E-05	7.11E-05	4.47E-06	1.07E-02	1.42E-02	1.06E-02	2.05E-06	0.00E+00	4.43E-07	1.77E-03	0.00E+00	0.00E+00	1.42E-02
637 ALL	643346.8	4250898 NonCancel	1.77E-02	1.94E-02	1.02E-04	1.39E-04	7.61E-06	1.78E-02	2.40E-02	1.77E-02	4.22E-06	0.00E+00	9.02E-07	2.94E-03	0.00E+00	0.00E+00	2.40E-02
638 ALL	643446.8	4250898 NonCancel	2.82E-02	3.11E-02	1.79E-04	1.58E-04	1.21E-05	2.83E-02	3.94E-02	2.82E-02	7.43E-06	0.00E+00	1.51E-06	4.92E-03	0.00E+00	0.00E+00	3.94E-02
639 ALL	643546.8	4250898 NonCancel	6.34E-02	6.99E-02	4.22E-04	2.78E-04	2.56E-05	6.36E-02	8.35E-02	6.34E-02	9.39E-06	0.00E+00	1.85E-06	1.06E-02	0.00E+00	0.00E+00	8.35E-02
640 ALL	643646.8	4250898 NonCancel	8.50E-02	9.35E-02	5.39E-04	4.75E-04	3.37E-05	8.53E-02	1.10E-01	8.50E-02	6.96E-06	0.00E+00	1.75E-06	1.37E-02	0.00E+00	0.00E+00	1.10E-01
641 ALL	643746.8	4250898 NonCancel	5.56E-02	6.11E-02	3.48E-04	3.30E-04	2.20E-05	5.58E-02	7.35E-02	5.55E-02	3.56E-06	0.00E+00	1.03E-06	8.88E-03	0.00E+00	0.00E+00	7.35E-02
642 ALL	643846.8	4250898 NonCancel	2.29E-02	2.51E-02	1.38E-04	1.54E-04	9.13E-06	2.30E-02	3.12E-02	2.28E-02	1.73E-06	0.00E+00	4.99E-07	3.63E-03	0.00E+00	0.00E+00	3.12E-02
643 ALL	643946.8	4250898 NonCancel	1.17E-02	1.29E-02	7.13E-05	7.73E-05	4.69E-06	1.18E-02	1.54E-02	1.17E-02	1.02E-06	0.00E+00	2.74E-07	1.87E-03	0.00E+00	0.00E+00	1.54E-02
644 ALL	644046.8	4250898 NonCancel	7.67E-03	8.44E-03	4.78E-05	4.63E-05	3.07E-06	7.71E-03	1.00E-02	7.67E-03	7.24E-07	0.00E+00	1.80E-07	1.24E-03	0.00E+00	0.00E+00	1.00E-02
645 ALL	644146.8	4250898 NonCancel	5.79E-03	6.37E-03	3.69E-05	3.19E-05	2.31E-06	5.81E-03	7.53E-03	5.79E-03	5.73E-07	0.00E+00	1.34E-07	9.42E-04	0.00E+00	0.00E+00	7.53E-03
646 ALL	644246.8	4250898 NonCancel	4.66E-03	5.13E-03	3.01E-05	2.40E-05	1.85E-06	4.68E-03	6.02E-03	4.66E-03	4.79E-07	0.00E+00	1.07E-07	7.61E-04	0.00E+00	0.00E+00	6.02E-03
647 ALL	644346.8	4250898 NonCancel	3.86E-03	4.26E-03	2.51E-05	1.92E-05	1.54E-06	3.88E-03	4.98E-03	3.86E-03	4.14E-07	0.00E+00	8.88E-08	6.33E-04	0.00E+00	0.00E+00	4.98E-03
648 ALL	644446.8	4250898 NonCancel	3.27E-03	3.61E-03	2.14E-05	1.60E-05	1.30E-06	3.29E-03	4.21E-03	3.27E-03	3.65E-07	0.00E+00	7.62E-08	5.37E-04	0.00E+00	0.00E+00	4.21E-03
649 ALL	644546.8	4250898 NonCancel	2.82E-03	3.11E-03	1.84E-05	1.38E-05	1.12E-06	2.83E-03	3.62E-03	2.82E-03	3.26E-07	0.00E+00	6.68E-08	4.63E-04	0.00E+00	0.00E+00	3.62E-03
650 ALL	644646.8	4250898 NonCancel	2.46E-03	2.71E-03	1.60E-05	1.22E-05	9.83E-07	2.47E-03	3.15E-03	2.46E-03	2.95E-07	0.00E+00	5.95E-08	4.04E-04	0.00E+00	0.00E+00	3.15E-03
651 ALL	644746.8	4250898 NonCancel	2.18E-03	2.40E-03	1.41E-05	1.10E-05	8.70E-07	2.18E-03	2.78E-03	2.18E-03	2.69E-07	0.00E+00	5.38E-08	3.57E-04	0.00E+00	0.00E+00	2.78E-03
652 ALL	644846.8	4250898 NonCancel	1.94E-03	2.14E-03	1.25E-05	1.00E-05	7.78E-07	1.95E-03	2.48E-03	1.94E-03	2.47E-07	0.00E+00	4.91E-08	3.19E-04	0.00E+00	0.00E+00	2.48E-03
653 ALL	644946.8	4250898 NonCancel	1.75E-03	1.93E-03	1.12E-05	9.29E-06	7.03E-07	1.76E-03	2.23E-03	1.75E-03	2.28E-07	0.00E+00	4.53E-08	2.87E-04	0.00E+00	0.00E+00	2.23E-03
654 ALL	645046.8	4250898 NonCancel	1.59E-03	1.75E-03	1.01E-05	8.71E-06	6.40E-07	1.60E-03	2.02E-03	1.59E-03	2.12E-07	0.00E+00	4.21E-08	2.60E-04	0.00E+00	0.00E+00	2.02E-03
655 ALL	645146.8	4250898 NonCancel	1.45E-03	1.60E-03	9.20E-06	8.23E-06	5.86E-07	1.46E-03	1.85E-03	1.45E-03	1.98E-07	0.00E+00	3.94E-08	2.37E-04	0.00E+00	0.00E+00	1.85E-03
656 ALL	645246.8	4250898 NonCancel	1.34E-03	1.47E-03	8.40E-06	7.84E-06	5.41E-07	1.34E-03	1.70E-03	1.34E-03	1.86E-07	0.00E+00	3.70E-08	2.18E-04	0.00E+00	0.00E+00	1.70E-03
657 ALL	645346.8	4250898 NonCancel	1.23E-03	1.36E-03	7.69E-06	7.52E-06	5.00E-07	1.24E-03	1.57E-03	1.23E-03	1.75E-07	0.00E+00	3.50E-08	2.00E-04	0.00E+00	0.00E+00	1.57E-03
658 ALL	642446.8	4250998 NonCancel	2.04E-03	2.24E-03	1.29E-05	1.14E-05	8.29E-07	2.04E-03	2.61E-03	2.04E-03	3.35E-07	0.00E+00	6.33E-08	3.35E-04	0.00E+00	0.00E+00	2.61E-03
659 ALL	642546.8	4250998 NonCancel	2.31E-03	2.54E-03	1.47E-05	1.25E-05	9.38E-07	2.32E-03	2.96E-03	2.31E-03	3.77E-07	0.00E+00	7.10E-08	3.81E-04	0.00E+00	0.00E+00	2.96E-03
660 ALL	642646.8	4250998 NonCancel	2.65E-03	2.92E-03	1.71E-05	1.39E-05	1.08E-06	2.66E-03	3.40E-03	2.65E-03	4.32E-07	0.00E+00	8.13E-08	4.39E-04	0.00E+00	0.00E+00	3.40E-03
661 ALL	642746.8	4250998 NonCancel	3.10E-03	3.42E-03	2.01E-05	1.58E-05	1.26E-06	3.11E-03	3.99E-03	3.10E-03	5.07E-07	0.00E+00	9.55E-08	5.15E-04	0.00E+00	0.00E+00	3.99E-03
662 ALL	642846.8	4250998 NonCancel	3.71E-03	4.08E-03	2.41E-05	1.86E-05	1.51E-06	3.72E-03	4.79E-03	3.71E-03	6.13E-07	0.00E+00	1.16E-07	6.17E-04	0.00E+00	0.00E+00	4.79E-03
663 ALL	642946.8	4250998 NonCancel	4.59E-03	5.06E-03	2.98E-05	2.33E-05	1.87E-06	4.61E-03	5.96E-03	4.59E-03	7.74E-07	0.00E+00	1.48E-07	7.66E-04	0.00E+00	0.00E+00	5.96E-03
664 ALL	643046.8	4250998 NonCancel	6.02E-03	6.63E-03	3.85E-05	3.26E-05	2.47E-06	6.05E-03	7.85E-03	6.02E-03	1.04E-06	0.00E+00	2.05E-07	1.00E-03	0.00E+00	0.00E+00	7.85E-03
665 ALL	643146.8	4250998 NonCancel	8.46E-03	9.31E-03	5.25E-05	5.22E-05	3.50E-06	8.50E-03	1.11E-02	8.46E-03	1.51E-06	0.00E+00	3.08E-07	1.40E-03	0.00E+00	0.00E+00	1.11E-02
666 ALL	643246.8	4250998 NonCancel	1.25E-02	1.37E-02	7.46E-05	8.88E-05	5.23E-06	1.26E-02	1.64E-02	1.25E-02	2.41E-06	0.00E+00	5.00E-07	2.05E-03	0.00E+00	0.00E+00	1.64E-02
667 ALL	643346.8	4250998 NonCancel	1.79E-02	1.96E-02	1.09E-04	1.19E-04	7.57E-06	1.80E-02	2.39E-02	1.79E-02	4.01E-06	0.00E+00	8.17E-07	2.99E-03	0.00E+00	0.00E+00	2.39E-02
668 ALL	643446.8	4250998 NonCancel	2.87E-02	3.16E-02	1.94E-04	1.15E-04	1.17E-05	2.88E-02	3.80E-02	2.87E-02	5.13E-06	0.00E+00	9.73E-07	4.90E-03	0.00E+00	0.00E+00	3.80E-02
669 ALL	643546.8	4250998 NonCancel	4.37E-02	4.82E-02	2.92E-04	1.88E-04	1.75E-05	4.39E-02	5.67E-02	4.37E-02	5.89E-06	0.00E+00	1.15E-06	7.30E-03	0.00E+00	0.00E+00	5.67E-02
670 ALL	643646.8	4250998 NonCancel	5.05E-02	5.55E-02	3.11E-04	3.19E-04	2.03E-05	5.07E-02	6.49E-02	5.05E-02	5.43E-06	0.00E+00	1.27E-06	8.12E-03	0.00E+00	0.00E+00	6.49E-02
671 ALL	643746.8	4250998 NonCancel	4.25E-02	4.66E-02	2.49E-04	3.18E-04	1.71E-05	4.27E-02	5.47E-02	4.24E-02	3.88E-06	0.00E+00	1.05E-06	6.69E-03	0.00E+00	0.00E+00	5.47E-02
672 ALL	643846.8	4250998 NonCancel	2.64E-02	2.90E-02	1.53E-04	2.07E-04	1.07E-05	2.66E-02	3.41E-02	2.64E-02	2.30E-06	0.00E+00	6.55E-07	4.14E-03	0.00E+00	0.00E+00	3.41E-02
673 ALL	643946.8	4250998 NonCancel	1.45E-02	1.59E-02	8.38E-05	1.13E-04	5.87E-06	1.46E-02	1.87E-02	1.45E-02	1.34E-06	0.00E+00	3.73E-07	2.28E-03	0.00E+00	0.00E+00	1.87E-02
674 ALL	644046.8	4250998 NonCancel	8.98E-03	9.87E-03	5.35E-05	6.42E-05	3.63E-06	9.03E-03	1.16E-02	8.98E-03	8.74E-07	0.00E+00	2.27E-07	1.43E-03	0.00E+00	0.00E+00	1.16E-02

675 ALL	644146.8	4250998 NonCancel	6.28E-03	6.90E-03	3.85E-05	4.06E-05	2.53E-06	6.31E-03	8.09E-03	6.28E-03	6.43E-07	0.00E+00	1.56E-07	1.01E-03	0.00E+00	0.00E+00	8.09E-03
676 ALL	644246.8	4250998 NonCancel	4.80E-03	5.29E-03	3.01E-05	2.85E-05	1.93E-06	4.82E-03	6.19E-03	4.80E-03	5.16E-07	0.00E+00	1.18E-07	7.77E-04	0.00E+00	0.00E+00	6.19E-03
677 ALL	644346.8	4250998 NonCancel	3.92E-03	4.31E-03	2.49E-05	2.17E-05	1.57E-06	3.93E-03	5.03E-03	3.92E-03	4.36E-07	0.00E+00	9.54E-08	6.38E-04	0.00E+00	0.00E+00	5.03E-03
678 ALL	644446.8	4250998 NonCancel	3.31E-03	3.65E-03	2.13E-05	1.76E-05	1.32E-06	3.32E-03	4.25E-03	3.31E-03	3.80E-07	0.00E+00	8.05E-08	5.41E-04	0.00E+00	0.00E+00	4.25E-03
679 ALL	644546.8	4250998 NonCancel	2.86E-03	3.14E-03	1.84E-05	1.48E-05	1.14E-06	2.87E-03	3.66E-03	2.85E-03	3.38E-07	0.00E+00	6.97E-08	4.67E-04	0.00E+00	0.00E+00	3.66E-03
680 ALL	644646.8	4250998 NonCancel	2.50E-03	2.75E-03	1.61E-05	1.29E-05	9.98E-07	2.51E-03	3.19E-03	2.50E-03	3.04E-07	0.00E+00	6.17E-08	4.09E-04	0.00E+00	0.00E+00	3.19E-03
681 ALL	644746.8	4250998 NonCancel	2.20E-03	2.43E-03	1.42E-05	1.15E-05	8.83E-07	2.21E-03	2.82E-03	2.20E-03	2.76E-07	0.00E+00	5.54E-08	3.61E-04	0.00E+00	0.00E+00	2.82E-03
682 ALL	644846.8	4250998 NonCancel	1.97E-03	2.17E-03	1.26E-05	1.04E-05	7.89E-07	1.97E-03	2.51E-03	1.97E-03	2.52E-07	0.00E+00	5.03E-08	3.22E-04	0.00E+00	0.00E+00	2.51E-03
683 ALL	644946.8	4250998 NonCancel	1.77E-03	1.95E-03	1.13E-05	9.58E-06	7.11E-07	1.78E-03	2.25E-03	1.77E-03	2.32E-07	0.00E+00	4.62E-08	2.89E-04	0.00E+00	0.00E+00	2.25E-03
684 ALL	645046.8	4250998 NonCancel	1.60E-03	1.77E-03	1.02E-05	8.93E-06	6.46E-07	1.61E-03	2.04E-03	1.60E-03	2.15E-07	0.00E+00	4.28E-08	2.62E-04	0.00E+00	0.00E+00	2.04E-03
685 ALL	645146.8	4250998 NonCancel	1.46E-03	1.61E-03	9.24E-06	8.40E-06	5.91E-07	1.47E-03	1.86E-03	1.46E-03	2.01E-07	0.00E+00	3.99E-08	2.38E-04	0.00E+00	0.00E+00	1.86E-03
686 ALL	645246.8	4250998 NonCancel	1.34E-03	1.48E-03	8.40E-06	7.97E-06	5.43E-07	1.35E-03	1.70E-03	1.34E-03	1.87E-07	0.00E+00	3.74E-08	2.18E-04	0.00E+00	0.00E+00	1.70E-03
687 ALL	645346.8	4250998 NonCancel	1.23E-03	1.36E-03	7.65E-06	7.61E-06	5.00E-07	1.24E-03	1.57E-03	1.23E-03	1.75E-07	0.00E+00	3.52E-08	2.00E-04	0.00E+00	0.00E+00	1.57E-03
688 ALL	642446.8	4251098 NonCancel	2.14E-03	2.36E-03	1.33E-05	1.31E-05	8.76E-07	2.15E-03	2.74E-03	2.14E-03	3.62E-07	0.00E+00	6.92E-08	3.50E-04	0.00E+00	0.00E+00	2.74E-03
689 ALL	642546.8	4251098 NonCancel	2.43E-03	2.68E-03	1.53E-05	1.42E-05	9.94E-07	2.44E-03	3.12E-03	2.43E-03	4.12E-07	0.00E+00	7.82E-08	4.00E-04	0.00E+00	0.00E+00	3.12E-03
690 ALL	642646.8	4251098 NonCancel	2.82E-03	3.10E-03	1.79E-05	1.58E-05	1.15E-06	2.83E-03	3.62E-03	2.82E-03	4.80E-07	0.00E+00	9.04E-08	4.64E-04	0.00E+00	0.00E+00	3.62E-03
691 ALL	642746.8	4251098 NonCancel	3.34E-03	3.67E-03	2.13E-05	1.81E-05	1.36E-06	3.35E-03	4.29E-03	3.34E-03	5.74E-07	0.00E+00	1.08E-07	5.52E-04	0.00E+00	0.00E+00	4.29E-03
692 ALL	642846.8	4251098 NonCancel	4.05E-03	4.46E-03	2.60E-05	2.18E-05	1.65E-06	4.07E-03	5.23E-03	4.05E-03	7.00E-07	0.00E+00	1.32E-07	6.73E-04	0.00E+00	0.00E+00	5.23E-03
693 ALL	642946.8	4251098 NonCancel	5.14E-03	5.66E-03	3.27E-05	2.86E-05	2.10E-06	5.16E-03	6.64E-03	5.14E-03	8.90E-07	0.00E+00	1.71E-07	8.52E-04	0.00E+00	0.00E+00	6.64E-03
694 ALL	643046.8	4251098 NonCancel	6.77E-03	7.45E-03	4.21E-05	4.13E-05	2.79E-06	6.80E-03	8.76E-03	6.77E-03	1.18E-06	0.00E+00	2.34E-07	1.12E-03	0.00E+00	0.00E+00	8.76E-03
695 ALL	643146.8	4251098 NonCancel	9.12E-03	1.00E-02	5.50E-05	6.24E-05	3.78E-06	9.16E-03	1.18E-02	9.11E-03	1.63E-06	0.00E+00	3.33E-07	1.49E-03	0.00E+00	0.00E+00	1.18E-02
696 ALL	643246.8	4251098 NonCancel	1.25E-02	1.37E-02	7.48E-05	8.78E-05	5.23E-06	1.25E-02	1.63E-02	1.25E-02	2.55E-06	0.00E+00	5.09E-07	2.05E-03	0.00E+00	0.00E+00	1.63E-02
697 ALL	643346.8	4251098 NonCancel	1.72E-02	1.89E-02	1.10E-04	9.07E-05	7.09E-06	1.72E-02	2.26E-02	1.72E-02	3.34E-06	0.00E+00	6.45E-07	2.89E-03	0.00E+00	0.00E+00	2.26E-02
698 ALL	643446.8	4251098 NonCancel	2.58E-02	2.84E-02	1.77E-04	9.03E-05	1.03E-05	2.58E-02	3.34E-02	2.57E-02	3.82E-06	0.00E+00	7.02E-07	4.37E-03	0.00E+00	0.00E+00	3.34E-02
699 ALL	643546.8	4251098 NonCancel	3.15E-02	3.47E-02	2.09E-04	1.41E-04	1.26E-05	3.16E-02	4.05E-02	3.15E-02	4.18E-06	0.00E+00	8.14E-07	5.24E-03	0.00E+00	0.00E+00	4.05E-02
700 ALL	643646.8	4251098 NonCancel	3.45E-02	3.79E-02	2.10E-04	2.26E-04	1.39E-05	3.46E-02	4.41E-02	3.44E-02	4.10E-06	0.00E+00	9.28E-07	5.54E-03	0.00E+00	0.00E+00	4.41E-02
701 ALL	643746.8	4251098 NonCancel	3.16E-02	3.47E-02	1.80E-04	2.59E-04	1.29E-05	3.18E-02	4.03E-02	3.16E-02	3.50E-06	0.00E+00	8.93E-07	4.95E-03	0.00E+00	0.00E+00	4.03E-02
702 ALL	643846.8	4251098 NonCancel	2.45E-02	2.69E-02	1.35E-04	2.18E-04	1.00E-05	2.47E-02	3.12E-02	2.45E-02	2.52E-06	0.00E+00	6.95E-07	3.80E-03	0.00E+00	0.00E+00	3.12E-02
703 ALL	643946.8	4251098 NonCancel	1.62E-02	1.77E-02	8.89E-05	1.45E-04	6.63E-06	1.63E-02	2.05E-02	1.62E-02	1.65E-06	0.00E+00	4.61E-07	2.50E-03	0.00E+00	0.00E+00	2.05E-02
704 ALL	644046.8	4251098 NonCancel	1.03E-02	1.13E-02	5.77E-05	8.79E-05	4.21E-06	1.03E-02	1.31E-02	1.03E-02	1.08E-06	0.00E+00	2.92E-07	1.60E-03	0.00E+00	0.00E+00	1.31E-02
705 ALL	644146.8	4251098 NonCancel	7.08E-03	7.77E-03	4.12E-05	5.44E-05	2.88E-06	7.12E-03	9.05E-03	7.08E-03	7.57E-07	0.00E+00	1.93E-07	1.12E-03	0.00E+00	0.00E+00	9.05E-03
706 ALL	644246.8	4251098 NonCancel	5.24E-03	5.76E-03	3.15E-05	3.63E-05	2.12E-06	5.26E-03	6.70E-03	5.24E-03	5.75E-07	0.00E+00	1.38E-07	8.36E-04	0.00E+00	0.00E+00	6.70E-03
707 ALL	644346.8	4251098 NonCancel	4.10E-03	4.50E-03	2.52E-05	2.62E-05	1.65E-06	4.12E-03	5.24E-03	4.10E-03	4.68E-07	0.00E+00	1.06E-07	6.59E-04	0.00E+00	0.00E+00	5.24E-03
708 ALL	644446.8	4251098 NonCancel	3.37E-03	3.70E-03	2.10E-05	2.03E-05	1.36E-06	3.38E-03	4.31E-03	3.37E-03	3.99E-07	0.00E+00	8.69E-08	5.45E-04	0.00E+00	0.00E+00	4.31E-03
709 ALL	644546.8	4251098 NonCancel	2.87E-03	3.16E-03	1.81E-05	1.65E-05	1.15E-06	2.88E-03	3.67E-03	2.87E-03	3.50E-07	0.00E+00	7.40E-08	4.67E-04	0.00E+00	0.00E+00	3.67E-03
710 ALL	644646.8	4251098 NonCancel	2.51E-03	2.76E-03	1.59E-05	1.41E-05	1.01E-06	2.52E-03	3.20E-03	2.51E-03	3.13E-07	0.00E+00	6.48E-08	4.09E-04	0.00E+00	0.00E+00	3.20E-03
711 ALL	644746.8	4251098 NonCancel	2.22E-03	2.45E-03	1.41E-05	1.23E-05	8.93E-07	2.23E-03	2.84E-03	2.22E-03	2.84E-07	0.00E+00	5.78E-08	3.63E-04	0.00E+00	0.00E+00	2.84E-03
712 ALL	644846.8	4251098 NonCancel	1.99E-03	2.19E-03	1.26E-05	1.11E-05	8.00E-07	2.00E-03	2.53E-03	1.99E-03	2.59E-07	0.00E+00	5.23E-08	3.24E-04	0.00E+00	0.00E+00	2.53E-03
713 ALL	644946.8	4251098 NonCancel	1.79E-03	1.97E-03	1.14E-05	1.01E-05	7.22E-07	1.80E-03	2.28E-03	1.79E-03	2.38E-07	0.00E+00	4.78E-08	2.92E-04	0.00E+00	0.00E+00	2.28E-03
714 ALL	645046.8	4251098 NonCancel	1.62E-03	1.79E-03	1.02E-05	9.36E-06	6.55E-07	1.63E-03	2.06E-03	1.62E-03	2.20E-07	0.00E+00	4.41E-08	2.64E-04	0.00E+00	0.00E+00	2.06E-03
715 ALL	645146.8	4251098 NonCancel	1.48E-03	1.63E-03	9.28E-06	8.75E-06	5.98E-07	1.49E-03	1.88E-03	1.48E-03	2.04E-07	0.00E+00	4.09E-08	2.41E-04	0.00E+00	0.00E+00	1.88E-03
716 ALL	645246.8	4251098 NonCancel	1.35E-03	1.49E-03	8.42E-06	8.25E-06	5.48E-07	1.36E-03	1.72E-03	1.35E-03	1.90E-07	0.00E+00	3.81E-08	2.19E-04	0.00E+00	0.00E+00	1.72E-03
717 ALL	645346.8	4251098 NonCancel	1.24E-03	1.37E-03	7.68E-06	7.84E-06	5.05E-07	1.25E-03	1.58E-03	1.24E-03	1.77E-07	0.00E+00	3.58E-08	2.01E-04	0.00E+00	0.00E+00	1.58E-03
718 ALL	642446.8	4251198 NonCancel	2.26E-03	2.49E-03	1.38E-05	1.47E-05	9.30E-07	2.27E-03	2.89E-03	2.26E-03	3.94E-07	0.00E+00	7.59E-08	3.68E-04	0.00E+00	0.00E+00	2.89E-03
719 ALL	642546.8	4251198 NonCancel	2.59E-03	2.85E-03	1.61E-05	1.61E-05	1.06E-06	2.60E-03	3.32E-03	2.59E-03	4.54E-07	0.00E+00	8.65E-08	4.24E-04	0.00E+00	0.00E+00	3.32E-03
720 ALL	642646.8	4251198 NonCancel	3.02E-03	3.32E-03	1.89E-05	1.79E-05	1.24E-06	3.03E-03	3.87E-03	3.02E-03	5.29E-07	0.00E+00	1.00E-07	4.96E-04	0.00E+00	0.00E+00	3.87E-03
721 ALL	642746.8	4251198 NonCancel	3.61E-03	3.97E-03	2.28E-05	2.09E-05	1.48E-06	3.63E-03	4.64E-03	3.61E-03	6.31E-07	0.00E+00	1.19E-07	5.95E-04	0.00E+00	0.00E+00	4.64E-03
722 ALL	642846.8	4251198 NonCancel	4.39E-03	4.84E-03	2.76E-05	2.59E-05	1.80E-06	4.41E-03	5.65E-03	4.39E-03	7.61E-07	0.00E+00	1.46E-07	7.24E-04	0.00E+00	0.00E+00	5.65E-03
723 ALL	642946.8	4251198 NonCancel	5.53E-03	6.08E-03	3.41E-05	3.48E-05	2.27E-06	5.55E-03	7.11E-03	5.53E-03	9.53E-07	0.00E+00	1.88E-07	9.06E-04	0.00E+00	0.00E+00	7.11E-03
724 ALL	643046.8	4251198 NonCancel	7.16E-03	7.87E-03	4.32E-05	4.92E-05	2.96E-06	7.19E-03	9.20E-03	7.16E-03	1.25E-06	0.00E+00	2.52E-07	1.16E-03	0.00E+00	0.00E+00	9.20E-03
725 ALL	643146.8	4251198 NonCancel	9.17E-03	1.01E-02	5.45E-05	6.61E-05	3.82E-06	9.21E-03	1.18E-02	9.17E-03	1.74E-06	0.00E+00	3.48E-07	1.49E-03	0.00E+00	0.00E+00	1.18E-02
726 ALL	643246.8	4251198 NonCancel	1.19E-02	1.31E-02	7.34E-05	7.65E-05	4.97E-06	1.20E-02	1.56E-02	1.19E-02	2.42E-06	0.00E+00	4.68E-07	1.98E-03	0.00E+00	0.00E+00	1.56E-02

727 ALL	643346.8	4251198 NonCancel	1.67E-02	1.84E-02	1.11E-04	7.13E-05	6.74E-06	1.67E-02	2.16E-02	1.67E-02	2.75E-06	0.00E+00	5.10E-07	2.81E-03	0.00E+00	0.00E+00	2.16E-02
728 ALL	643446.8	4251198 NonCancel	2.12E-02	2.34E-02	1.46E-04	7.59E-05	8.46E-06	2.13E-02	2.73E-02	2.12E-02	3.01E-06	0.00E+00	5.46E-07	3.58E-03	0.00E+00	0.00E+00	2.73E-02
729 ALL	643546.8	4251198 NonCancel	2.39E-02	2.64E-02	1.57E-04	1.14E-04	9.60E-06	2.40E-02	3.07E-02	2.39E-02	3.21E-06	0.00E+00	6.28E-07	3.96E-03	0.00E+00	0.00E+00	3.07E-02
730 ALL	643646.8	4251198 NonCancel	2.56E-02	2.81E-02	1.55E-04	1.73E-04	1.04E-05	2.57E-02	3.26E-02	2.56E-02	3.22E-06	0.00E+00	7.17E-07	4.11E-03	0.00E+00	0.00E+00	3.26E-02
731 ALL	643746.8	4251198 NonCancel	2.44E-02	2.67E-02	1.37E-04	2.07E-04	1.00E-05	2.45E-02	3.09E-02	2.43E-02	2.97E-06	0.00E+00	7.35E-07	3.81E-03	0.00E+00	0.00E+00	3.09E-02
732 ALL	643846.8	4251198 NonCancel	2.09E-02	2.29E-02	1.12E-04	1.99E-04	8.63E-06	2.10E-02	2.64E-02	2.09E-02	2.44E-06	0.00E+00	6.51E-07	3.21E-03	0.00E+00	0.00E+00	2.64E-02
733 ALL	643946.8	4251198 NonCancel	1.60E-02	1.76E-02	8.46E-05	1.58E-04	6.64E-06	1.61E-02	2.03E-02	1.60E-02	1.81E-06	0.00E+00	5.00E-07	2.46E-03	0.00E+00	0.00E+00	2.03E-02
734 ALL	644046.8	4251198 NonCancel	1.12E-02	1.23E-02	5.96E-05	1.09E-04	4.64E-06	1.13E-02	1.42E-02	1.12E-02	1.27E-06	0.00E+00	3.49E-07	1.72E-03	0.00E+00	0.00E+00	1.42E-02
735 ALL	644146.8	4251198 NonCancel	7.82E-03	8.57E-03	4.27E-05	7.11E-05	3.22E-06	7.86E-03	9.92E-03	7.81E-03	8.98E-07	0.00E+00	2.37E-07	1.21E-03	0.00E+00	0.00E+00	9.92E-03
736 ALL	644246.8	4251198 NonCancel	5.74E-03	6.30E-03	3.27E-05	4.71E-05	2.35E-06	5.77E-03	7.31E-03	5.74E-03	6.64E-07	0.00E+00	1.67E-07	9.02E-04	0.00E+00	0.00E+00	7.31E-03
737 ALL	644346.8	4251198 NonCancel	4.44E-03	4.87E-03	2.61E-05	3.29E-05	1.81E-06	4.46E-03	5.65E-03	4.44E-03	5.19E-07	0.00E+00	1.24E-07	7.04E-04	0.00E+00	0.00E+00	5.65E-03
738 ALL	644446.8	4251198 NonCancel	3.56E-03	3.91E-03	2.15E-05	2.44E-05	1.44E-06	3.58E-03	4.53E-03	3.56E-03	4.27E-07	0.00E+00	9.71E-08	5.69E-04	0.00E+00	0.00E+00	4.53E-03
739 ALL	644546.8	4251198 NonCancel	2.95E-03	3.25E-03	1.81E-05	1.92E-05	1.20E-06	2.97E-03	3.77E-03	2.95E-03	3.66E-07	0.00E+00	8.02E-08	4.75E-04	0.00E+00	0.00E+00	3.77E-03
740 ALL	644646.8	4251198 NonCancel	2.53E-03	2.79E-03	1.56E-05	1.59E-05	1.02E-06	2.54E-03	3.23E-03	2.53E-03	3.23E-07	0.00E+00	6.89E-08	4.09E-04	0.00E+00	0.00E+00	3.23E-03
741 ALL	644746.8	4251198 NonCancel	2.23E-03	2.45E-03	1.38E-05	1.36E-05	9.00E-07	2.24E-03	2.84E-03	2.23E-03	2.91E-07	0.00E+00	6.07E-08	3.61E-04	0.00E+00	0.00E+00	2.84E-03
742 ALL	644846.8	4251198 NonCancel	1.99E-03	2.19E-03	1.24E-05	1.20E-05	8.05E-07	2.00E-03	2.53E-03	1.99E-03	2.65E-07	0.00E+00	5.46E-08	3.23E-04	0.00E+00	0.00E+00	2.53E-03
743 ALL	644946.8	4251198 NonCancel	1.80E-03	1.98E-03	1.12E-05	1.09E-05	7.28E-07	1.81E-03	2.29E-03	1.80E-03	2.44E-07	0.00E+00	4.97E-08	2.92E-04	0.00E+00	0.00E+00	2.29E-03
744 ALL	645046.8	4251198 NonCancel	1.63E-03	1.80E-03	1.01E-05	9.97E-06	6.61E-07	1.64E-03	2.08E-03	1.63E-03	2.24E-07	0.00E+00	4.56E-08	2.65E-04	0.00E+00	0.00E+00	2.08E-03
745 ALL	645146.8	4251198 NonCancel	1.49E-03	1.64E-03	9.25E-06	9.27E-06	6.05E-07	1.50E-03	1.90E-03	1.49E-03	2.08E-07	0.00E+00	4.23E-08	2.42E-04	0.00E+00	0.00E+00	1.90E-03
746 ALL	645246.8	4251198 NonCancel	1.37E-03	1.50E-03	8.42E-06	8.69E-06	5.55E-07	1.37E-03	1.74E-03	1.37E-03	1.93E-07	0.00E+00	3.93E-08	2.21E-04	0.00E+00	0.00E+00	1.74E-03
747 ALL	645346.8	4251198 NonCancel	1.26E-03	1.38E-03	7.70E-06	8.21E-06	5.12E-07	1.26E-03	1.60E-03	1.26E-03	1.80E-07	0.00E+00	3.68E-08	2.03E-04	0.00E+00	0.00E+00	1.60E-03
748 ALL	642446.8	4251298 NonCancel	2.41E-03	2.65E-03	1.46E-05	1.64E-05	9.94E-07	2.42E-03	3.08E-03	2.41E-03	4.28E-07	0.00E+00	8.31E-08	3.91E-04	0.00E+00	0.00E+00	3.08E-03
749 ALL	642546.8	4251298 NonCancel	2.78E-03	3.06E-03	1.70E-05	1.81E-05	1.14E-06	2.79E-03	3.56E-03	2.78E-03	4.93E-07	0.00E+00	9.48E-08	4.54E-04	0.00E+00	0.00E+00	3.56E-03
750 ALL	642646.8	4251298 NonCancel	3.20E-03	3.52E-03	1.98E-05	2.01E-05	1.31E-06	3.22E-03	4.10E-03	3.20E-03	5.59E-07	0.00E+00	1.08E-07	5.24E-04	0.00E+00	0.00E+00	4.10E-03
751 ALL	642746.8	4251298 NonCancel	3.83E-03	4.21E-03	2.36E-05	2.43E-05	1.57E-06	3.85E-03	4.91E-03	3.83E-03	6.64E-07	0.00E+00	1.29E-07	6.26E-04	0.00E+00	0.00E+00	4.91E-03
752 ALL	642846.8	4251298 NonCancel	4.67E-03	5.14E-03	2.84E-05	3.11E-05	1.93E-06	4.70E-03	5.99E-03	4.67E-03	8.08E-07	0.00E+00	1.60E-07	7.61E-04	0.00E+00	0.00E+00	5.99E-03
753 ALL	642946.8	4251298 NonCancel	5.75E-03	6.32E-03	3.43E-05	4.09E-05	2.38E-06	5.78E-03	7.37E-03	5.75E-03	9.98E-07	0.00E+00	2.02E-07	9.31E-04	0.00E+00	0.00E+00	7.37E-03
754 ALL	643046.8	4251298 NonCancel	7.17E-03	7.88E-03	4.22E-05	5.35E-05	2.98E-06	7.21E-03	9.20E-03	7.17E-03	1.31E-06	0.00E+00	2.64E-07	1.16E-03	0.00E+00	0.00E+00	9.20E-03
755 ALL	643146.8	4251298 NonCancel	8.98E-03	9.86E-03	5.35E-05	6.42E-05	3.75E-06	9.02E-03	1.16E-02	8.97E-03	1.79E-06	0.00E+00	3.51E-07	1.46E-03	0.00E+00	0.00E+00	1.16E-02
756 ALL	643246.8	4251298 NonCancel	1.17E-02	1.29E-02	7.44E-05	6.46E-05	4.80E-06	1.17E-02	1.51E-02	1.17E-02	2.15E-06	0.00E+00	4.06E-07	1.94E-03	0.00E+00	0.00E+00	1.51E-02
757 ALL	643346.8	4251298 NonCancel	1.52E-02	1.68E-02	1.03E-04	5.98E-05	6.10E-06	1.53E-02	1.96E-02	1.52E-02	2.30E-06	0.00E+00	4.18E-07	2.56E-03	0.00E+00	0.00E+00	1.96E-02
758 ALL	643446.8	4251298 NonCancel	1.74E-02	1.92E-02	1.18E-04	6.77E-05	6.94E-06	1.74E-02	2.23E-02	1.74E-02	2.47E-06	0.00E+00	4.50E-07	2.92E-03	0.00E+00	0.00E+00	2.23E-02
759 ALL	643546.8	4251298 NonCancel	1.90E-02	2.10E-02	1.23E-04	9.88E-05	7.66E-06	1.91E-02	2.43E-02	1.90E-02	2.61E-06	0.00E+00	5.15E-07	3.13E-03	0.00E+00	0.00E+00	2.43E-02
760 ALL	643646.8	4251298 NonCancel	2.01E-02	2.20E-02	1.20E-04	1.42E-04	8.17E-06	2.01E-02	2.55E-02	2.00E-02	2.63E-06	0.00E+00	5.84E-07	3.21E-03	0.00E+00	0.00E+00	2.55E-02
761 ALL	643746.8	4251298 NonCancel	1.95E-02	2.13E-02	1.08E-04	1.70E-04	8.03E-06	1.96E-02	2.47E-02	1.95E-02	2.51E-06	0.00E+00	6.12E-07	3.04E-03	0.00E+00	0.00E+00	2.47E-02
762 ALL	643846.8	4251298 NonCancel	1.75E-02	1.92E-02	9.20E-05	1.74E-04	7.28E-06	1.76E-02	2.21E-02	1.75E-02	2.23E-06	0.00E+00	5.79E-07	2.69E-03	0.00E+00	0.00E+00	2.21E-02
763 ALL	643946.8	4251298 NonCancel	1.48E-02	1.62E-02	7.55E-05	1.55E-04	6.16E-06	1.49E-02	1.86E-02	1.48E-02	1.82E-06	0.00E+00	4.93E-07	2.25E-03	0.00E+00	0.00E+00	1.86E-02
764 ALL	644046.8	4251298 NonCancel	1.14E-02	1.25E-02	5.82E-05	1.21E-04	4.77E-06	1.15E-02	1.44E-02	1.14E-02	1.38E-06	0.00E+00	3.81E-07	1.74E-03	0.00E+00	0.00E+00	1.44E-02
765 ALL	644146.8	4251298 NonCancel	8.41E-03	9.20E-03	4.35E-05	8.63E-05	3.50E-06	8.46E-03	1.06E-02	8.41E-03	1.02E-06	0.00E+00	2.77E-07	1.28E-03	0.00E+00	0.00E+00	1.06E-02
766 ALL	644246.8	4251298 NonCancel	6.21E-03	6.81E-03	3.32E-05	5.95E-05	2.58E-06	6.25E-03	7.87E-03	6.21E-03	7.62E-07	0.00E+00	1.99E-07	9.58E-04	0.00E+00	0.00E+00	7.87E-03
767 ALL	644346.8	4251298 NonCancel	4.78E-03	5.24E-03	2.66E-05	4.15E-05	1.97E-06	4.80E-03	6.06E-03	4.77E-03	5.87E-07	0.00E+00	1.46E-07	7.46E-04	0.00E+00	0.00E+00	6.06E-03
768 ALL	644446.8	4251298 NonCancel	3.81E-03	4.19E-03	2.20E-05	3.01E-05	1.56E-06	3.83E-03	4.84E-03	3.81E-03	4.71E-07	0.00E+00	1.12E-07	6.02E-04	0.00E+00	0.00E+00	4.84E-03
769 ALL	644546.8	4251298 NonCancel	3.13E-03	3.44E-03	1.85E-05	2.30E-05	1.28E-06	3.15E-03	3.98E-03	3.13E-03	3.93E-07	0.00E+00	8.96E-08	4.98E-04	0.00E+00	0.00E+00	3.98E-03
770 ALL	644646.8	4251298 NonCancel	2.63E-03	2.89E-03	1.58E-05	1.84E-05	1.07E-06	2.65E-03	3.35E-03	2.63E-03	3.39E-07	0.00E+00	7.48E-08	4.21E-04	0.00E+00	0.00E+00	3.35E-03
771 ALL	644746.8	4251298 NonCancel	2.27E-03	2.50E-03	1.37E-05	1.54E-05	9.23E-07	2.28E-03	2.89E-03	2.27E-03	3.00E-07	0.00E+00	6.46E-08	3.65E-04	0.00E+00	0.00E+00	2.89E-03
772 ALL	644846.8	4251298 NonCancel	2.00E-03	2.20E-03	1.22E-05	1.33E-05	8.14E-07	2.01E-03	2.55E-03	2.00E-03	2.71E-07	0.00E+00	5.73E-08	3.22E-04	0.00E+00	0.00E+00	2.55E-03
773 ALL	644946.8	4251298 NonCancel	1.80E-03	1.98E-03	1.10E-05	1.19E-05	7.31E-07	1.81E-03	2.29E-03	1.80E-03	2.48E-07	0.00E+00	5.18E-08	2.90E-04	0.00E+00	0.00E+00	2.29E-03
774 ALL	645046.8	4251298 NonCancel	1.63E-03	1.80E-03	9.97E-06	1.08E-05	6.65E-07	1.64E-03	2.08E-03	1.63E-03	2.29E-07	0.00E+00	4.74E-08	2.63E-04	0.00E+00	0.00E+00	2.08E-03
775 ALL	645146.8	4251298 NonCancel	1.49E-03	1.64E-03	9.10E-06	9.91E-06	6.08E-07	1.50E-03	1.90E-03	1.49E-03	2.12E-07	0.00E+00	4.37E-08	2.41E-04	0.00E+00	0.00E+00	1.90E-03
776 ALL	645246.8	4251298 NonCancel	1.37E-03	1.51E-03	8.32E-06	9.23E-06	5.59E-07	1.38E-03	1.74E-03	1.37E-03	1.96E-07	0.00E+00	4.06E-08	2.21E-04	0.00E+00	0.00E+00	1.74E-03
777 ALL	645346.8	4251298 NonCancel	1.27E-03	1.39E-03	7.64E-06	8.68E-06	5.17E-07	1.27E-03	1.61E-03	1.27E-03	1.83E-07	0.00E+00	3.79E-08	2.04E-04	0.00E+00	0.00E+00	1.61E-03
778 ALL	642446.8	4251398 NonCancel	2.57E-03	2.82E-03	1.53E-05	1.83E-05	1.06E-06	2.58E-03	3.27E-03	2.57E-03	4.57E-07	0.00E+00	8.99E-08	4.15E-04	0.00E+00	0.00E+00	3.27E-03

779 ALL	642546.8	4251398 NonCancel	2.93E-03	3.22E-03	1.77E-05	2.02E-05	1.21E-06	2.94E-03	3.74E-03	2.93E-03	5.16E-07	0.00E+00	1.01E-07	4.75E-04	0.00E+00	0.00E+00	3.74E-03
780 ALL	642646.8	4251398 NonCancel	3.41E-03	3.74E-03	2.05E-05	2.34E-05	1.40E-06	3.42E-03	4.35E-03	3.40E-03	5.94E-07	0.00E+00	1.17E-07	5.52E-04	0.00E+00	0.00E+00	4.35E-03
781 ALL	642746.8	4251398 NonCancel	4.04E-03	4.44E-03	2.41E-05	2.88E-05	1.67E-06	4.06E-03	5.16E-03	4.04E-03	7.03E-07	0.00E+00	1.41E-07	6.53E-04	0.00E+00	0.00E+00	5.16E-03
782 ALL	642846.8	4251398 NonCancel	4.90E-03	5.38E-03	2.87E-05	3.68E-05	2.03E-06	4.92E-03	6.25E-03	4.90E-03	8.55E-07	0.00E+00	1.74E-07	7.88E-04	0.00E+00	0.00E+00	6.25E-03
783 ALL	642946.8	4251398 NonCancel	5.87E-03	6.44E-03	3.40E-05	4.59E-05	2.44E-06	5.90E-03	7.49E-03	5.87E-03	1.05E-06	0.00E+00	2.15E-07	9.41E-04	0.00E+00	0.00E+00	7.49E-03
784 ALL	643046.8	4251398 NonCancel	7.02E-03	7.71E-03	4.08E-05	5.43E-05	2.94E-06	7.06E-03	9.01E-03	7.02E-03	1.35E-06	0.00E+00	2.70E-07	1.13E-03	0.00E+00	0.00E+00	9.01E-03
785 ALL	643146.8	4251398 NonCancel	8.77E-03	9.64E-03	5.33E-05	5.86E-05	3.64E-06	8.81E-03	1.13E-02	8.77E-03	1.71E-06	0.00E+00	3.29E-07	1.44E-03	0.00E+00	0.00E+00	1.13E-02
786 ALL	643246.8	4251398 NonCancel	1.13E-02	1.24E-02	7.36E-05	5.56E-05	4.58E-06	1.13E-02	1.45E-02	1.13E-02	1.88E-06	0.00E+00	3.49E-07	1.88E-03	0.00E+00	0.00E+00	1.45E-02
787 ALL	643346.8	4251398 NonCancel	1.33E-02	1.47E-02	9.02E-05	5.32E-05	5.34E-06	1.34E-02	1.71E-02	1.33E-02	1.97E-06	0.00E+00	3.56E-07	2.24E-03	0.00E+00	0.00E+00	1.71E-02
788 ALL	643446.8	4251398 NonCancel	1.45E-02	1.60E-02	9.66E-05	6.30E-05	5.81E-06	1.46E-02	1.85E-02	1.45E-02	2.09E-06	0.00E+00	3.86E-07	2.42E-03	0.00E+00	0.00E+00	1.85E-02
789 ALL	643546.8	4251398 NonCancel	1.56E-02	1.72E-02	9.90E-05	6.89E-05	6.32E-06	1.57E-02	2.00E-02	1.56E-02	2.19E-06	0.00E+00	4.39E-07	2.56E-03	0.00E+00	0.00E+00	2.00E-02
790 ALL	643646.8	4251398 NonCancel	1.64E-02	1.80E-02	9.63E-05	1.22E-04	6.69E-06	1.64E-02	2.08E-02	1.64E-02	2.23E-06	0.00E+00	4.95E-07	2.61E-03	0.00E+00	0.00E+00	2.08E-02
791 ALL	643746.8	4251398 NonCancel	1.61E-02	1.76E-02	8.82E-05	1.45E-04	6.65E-06	1.62E-02	2.03E-02	1.61E-02	2.16E-06	0.00E+00	5.22E-07	2.50E-03	0.00E+00	0.00E+00	2.03E-02
792 ALL	643846.8	4251398 NonCancel	1.48E-02	1.62E-02	7.70E-05	1.51E-04	6.20E-06	1.49E-02	1.87E-02	1.48E-02	1.99E-06	0.00E+00	5.10E-07	2.27E-03	0.00E+00	0.00E+00	1.87E-02
793 ALL	643946.8	4251398 NonCancel	1.31E-02	1.44E-02	6.57E-05	1.44E-04	5.52E-06	1.32E-02	1.65E-02	1.31E-02	1.73E-06	0.00E+00	4.63E-07	1.99E-03	0.00E+00	0.00E+00	1.65E-02
794 ALL	644046.8	4251398 NonCancel	1.10E-02	1.20E-02	5.43E-05	1.23E-04	4.62E-06	1.11E-02	1.38E-02	1.10E-02	1.41E-06	0.00E+00	3.88E-07	1.66E-03	0.00E+00	0.00E+00	1.38E-02
795 ALL	644146.8	4251398 NonCancel	8.65E-03	9.46E-03	4.28E-05	9.64E-05	3.63E-06	8.71E-03	1.09E-02	8.65E-03	1.11E-06	0.00E+00	3.03E-07	1.31E-03	0.00E+00	0.00E+00	1.09E-02
796 ALL	644246.8	4251398 NonCancel	6.62E-03	7.24E-03	3.35E-05	7.10E-05	2.77E-06	6.66E-03	8.35E-03	6.62E-03	8.50E-07	0.00E+00	2.29E-07	1.01E-03	0.00E+00	0.00E+00	8.35E-03
797 ALL	644346.8	4251398 NonCancel	5.11E-03	5.59E-03	2.67E-05	5.11E-05	2.13E-06	5.14E-03	6.45E-03	5.11E-03	6.59E-07	0.00E+00	1.71E-07	7.84E-04	0.00E+00	0.00E+00	6.45E-03
798 ALL	644446.8	4251398 NonCancel	4.06E-03	4.44E-03	2.21E-05	3.71E-05	1.68E-06	4.08E-03	5.14E-03	4.06E-03	5.24E-07	0.00E+00	1.30E-07	6.30E-04	0.00E+00	0.00E+00	5.14E-03
799 ALL	644546.8	4251398 NonCancel	3.32E-03	3.64E-03	1.87E-05	2.79E-05	1.37E-06	3.34E-03	4.21E-03	3.32E-03	4.30E-07	0.00E+00	1.02E-07	5.21E-04	0.00E+00	0.00E+00	4.21E-03
800 ALL	644646.8	4251398 NonCancel	2.78E-03	3.05E-03	1.61E-05	2.18E-05	1.14E-06	2.80E-03	3.53E-03	2.78E-03	3.63E-07	0.00E+00	8.34E-08	4.40E-04	0.00E+00	0.00E+00	3.53E-03
801 ALL	644746.8	4251398 NonCancel	2.37E-03	2.61E-03	1.39E-05	1.78E-05	9.70E-07	2.39E-03	3.01E-03	2.37E-03	3.15E-07	0.00E+00	7.04E-08	3.77E-04	0.00E+00	0.00E+00	3.01E-03
802 ALL	644846.8	4251398 NonCancel	2.06E-03	2.27E-03	1.22E-05	1.50E-05	8.43E-07	2.07E-03	2.62E-03	2.06E-03	2.80E-07	0.00E+00	6.12E-08	3.29E-04	0.00E+00	0.00E+00	2.62E-03
803 ALL	644946.8	4251398 NonCancel	1.83E-03	2.01E-03	1.09E-05	1.31E-05	7.46E-07	1.84E-03	2.32E-03	1.83E-03	2.54E-07	0.00E+00	5.45E-08	2.92E-04	0.00E+00	0.00E+00	2.32E-03
804 ALL	645046.8	4251398 NonCancel	1.64E-03	1.80E-03	9.78E-06	1.17E-05	6.71E-07	1.65E-03	2.08E-03	1.64E-03	2.32E-07	0.00E+00	4.94E-08	2.63E-04	0.00E+00	0.00E+00	2.08E-03
805 ALL	645146.8	4251398 NonCancel	1.49E-03	1.64E-03	8.90E-06	1.07E-05	6.11E-07	1.50E-03	1.90E-03	1.49E-03	2.15E-07	0.00E+00	4.53E-08	2.39E-04	0.00E+00	0.00E+00	1.90E-03
806 ALL	645246.8	4251398 NonCancel	1.37E-03	1.50E-03	8.14E-06	9.85E-06	5.60E-07	1.38E-03	1.74E-03	1.37E-03	1.99E-07	0.00E+00	4.19E-08	2.19E-04	0.00E+00	0.00E+00	1.74E-03
807 ALL	645346.8	4251398 NonCancel	1.27E-03	1.39E-03	7.50E-06	9.21E-06	5.19E-07	1.27E-03	1.61E-03	1.27E-03	1.85E-07	0.00E+00	3.91E-08	2.02E-04	0.00E+00	0.00E+00	1.61E-03
808 ALL	642446.8	4251498 NonCancel	2.67E-03	2.93E-03	1.56E-05	2.01E-05	1.11E-06	2.68E-03	3.40E-03	2.67E-03	4.71E-07	0.00E+00	9.44E-08	4.29E-04	0.00E+00	0.00E+00	3.40E-03
809 ALL	642546.8	4251498 NonCancel	3.06E-03	3.36E-03	1.80E-05	2.30E-05	1.27E-06	3.08E-03	3.90E-03	3.06E-03	5.38E-07	0.00E+00	1.08E-07	4.92E-04	0.00E+00	0.00E+00	3.90E-03
810 ALL	642646.8	4251498 NonCancel	3.59E-03	3.94E-03	2.09E-05	2.77E-05	1.49E-06	3.61E-03	4.57E-03	3.59E-03	6.31E-07	0.00E+00	1.28E-07	5.75E-04	0.00E+00	0.00E+00	4.57E-03
811 ALL	642746.8	4251498 NonCancel	4.23E-03	4.64E-03	2.43E-05	3.40E-05	1.76E-06	4.25E-03	5.38E-03	4.23E-03	7.44E-07	0.00E+00	1.53E-07	6.75E-04	0.00E+00	0.00E+00	5.38E-03
812 ALL	642846.8	4251498 NonCancel	4.89E-03	5.36E-03	2.78E-05	4.03E-05	2.04E-06	4.92E-03	6.23E-03	4.89E-03	8.67E-07	0.00E+00	1.80E-07	7.78E-04	0.00E+00	0.00E+00	6.23E-03
813 ALL	642946.8	4251498 NonCancel	5.77E-03	6.33E-03	3.27E-05	4.78E-05	2.41E-06	5.80E-03	7.36E-03	5.77E-03	1.08E-06	0.00E+00	2.21E-07	9.20E-04	0.00E+00	0.00E+00	7.36E-03
814 ALL	643046.8	4251498 NonCancel	6.94E-03	7.62E-03	4.05E-05	5.31E-05	2.90E-06	6.98E-03	8.91E-03	6.94E-03	1.37E-06	0.00E+00	2.70E-07	1.12E-03	0.00E+00	0.00E+00	8.91E-03
815 ALL	643146.8	4251498 NonCancel	8.65E-03	9.52E-03	5.38E-05	5.29E-05	3.56E-06	8.69E-03	1.11E-02	8.65E-03	1.57E-06	0.00E+00	2.99E-07	1.42E-03	0.00E+00	0.00E+00	1.11E-02
816 ALL	643246.8	4251498 NonCancel	1.05E-02	1.16E-02	6.89E-05	4.95E-05	4.24E-06	1.05E-02	1.34E-02	1.05E-02	1.65E-06	0.00E+00	3.05E-07	1.75E-03	0.00E+00	0.00E+00	1.34E-02
817 ALL	643346.8	4251498 NonCancel	1.16E-02	1.28E-02	7.74E-05	4.97E-05	4.65E-06	1.16E-02	1.48E-02	1.16E-02	1.72E-06	0.00E+00	3.12E-07	1.94E-03	0.00E+00	0.00E+00	1.48E-02
818 ALL	643446.8	4251498 NonCancel	1.24E-02	1.36E-02	8.06E-05	6.03E-05	4.97E-06	1.24E-02	1.58E-02	1.24E-02	1.81E-06	0.00E+00	3.41E-07	2.04E-03	0.00E+00	0.00E+00	1.58E-02
819 ALL	643546.8	4251498 NonCancel	1.32E-02	1.45E-02	8.17E-05	8.22E-05	5.37E-06	1.33E-02	1.68E-02	1.32E-02	1.90E-06	0.00E+00	3.86E-07	2.14E-03	0.00E+00	0.00E+00	1.68E-02
820 ALL	643646.8	4251498 NonCancel	1.37E-02	1.51E-02	7.94E-05	1.08E-04	5.65E-06	1.38E-02	1.74E-02	1.37E-02	1.93E-06	0.00E+00	4.31E-07	2.18E-03	0.00E+00	0.00E+00	1.74E-02
821 ALL	643746.8	4251498 NonCancel	1.36E-02	1.49E-02	7.35E-05	1.27E-04	5.65E-06	1.37E-02	1.72E-02	1.36E-02	1.89E-06	0.00E+00	4.55E-07	2.11E-03	0.00E+00	0.00E+00	1.72E-02
822 ALL	643846.8	4251498 NonCancel	1.28E-02	1.40E-02	6.56E-05	1.34E-04	5.36E-06	1.29E-02	1.61E-02	1.28E-02	1.78E-06	0.00E+00	4.52E-07	1.95E-03	0.00E+00	0.00E+00	1.61E-02
823 ALL	643946.8	4251498 NonCancel	1.16E-02	1.27E-02	5.72E-05	1.31E-04	4.90E-06	1.17E-02	1.46E-02	1.16E-02	1.61E-06	0.00E+00	4.25E-07	1.76E-03	0.00E+00	0.00E+00	1.46E-02
824 ALL	644046.8	4251498 NonCancel	1.02E-02	1.12E-02	4.92E-05	1.19E-04	4.32E-06	1.03E-02	1.28E-02	1.02E-02	1.39E-06	0.00E+00	3.77E-07	1.53E-03	0.00E+00	0.00E+00	1.28E-02
825 ALL	644146.8	4251498 NonCancel	8.54E-03	9.33E-03	4.09E-05	1.01E-04	3.61E-06	8.60E-03	1.07E-02	8.54E-03	1.14E-06	0.00E+00	3.14E-07	1.28E-03	0.00E+00	0.00E+00	1.07E-02
826 ALL	644246.8	4251498 NonCancel	6.85E-03	7.48E-03	3.31E-05	7.95E-05	2.89E-06	6.89E-03	8.60E-03	6.84E-03	9.14E-07	0.00E+00	2.50E-07	1.03E-03	0.00E+00	0.00E+00	8.60E-03
827 ALL	644346.8	4251498 NonCancel	5.41E-03	5.91E-03	2.68E-05	6.01E-05	2.28E-06	5.44E-03	6.81E-03	5.41E-03	7.25E-07	0.00E+00	1.94E-07	8.17E-04	0.00E+00	0.00E+00	6.81E-03
828 ALL	644446.8	4251498 NonCancel	4.30E-03	4.71E-03	2.21E-05	4.48E-05	1.80E-06	4.33E-03	5.43E-03	4.30E-03	5.79E-07	0.00E+00	1.50E-07	6.57E-04	0.00E+00	0.00E+00	5.43E-03
829 ALL	644546.8	4251498 NonCancel	3.51E-03	3.84E-03	1.87E-05	3.37E-05	1.46E-06	3.53E-03	4.43E-03	3.51E-03	4.72E-07	0.00E+00	1.17E-07	5.42E-04	0.00E+00	0.00E+00	4.43E-03
830 ALL	644646.8	4251498 NonCancel	2.92E-03	3.21E-03	1.61E-05	2.60E-05	1.21E-06	2.94E-03	3.70E-03	2.92E-03	3.94E-07	0.00E+00	9.42E-08	4.56E-04	0.00E+00	0.00E+00	3.70E-03

831 ALL	644746.8	4251498 NonCancel	2.49E-03	2.73E-03	1.41E-05	2.07E-05	1.02E-06	2.50E-03	3.15E-03	2.49E-03	3.36E-07	0.00E+00	7.80E-08	3.91E-04	0.00E+00	0.00E+00	3.15E-03
832 ALL	644846.8	4251498 NonCancel	2.16E-03	2.37E-03	1.24E-05	1.72E-05	8.86E-07	2.17E-03	2.73E-03	2.16E-03	2.95E-07	0.00E+00	6.66E-08	3.41E-04	0.00E+00	0.00E+00	2.73E-03
833 ALL	644946.8	4251498 NonCancel	1.89E-03	2.08E-03	1.10E-05	1.47E-05	7.76E-07	1.90E-03	2.40E-03	1.89E-03	2.63E-07	0.00E+00	5.83E-08	3.00E-04	0.00E+00	0.00E+00	2.40E-03
834 ALL	645046.8	4251498 NonCancel	1.68E-03	1.85E-03	9.80E-06	1.29E-05	6.91E-07	1.69E-03	2.13E-03	1.68E-03	2.39E-07	0.00E+00	5.21E-08	2.67E-04	0.00E+00	0.00E+00	2.13E-03
835 ALL	645146.8	4251498 NonCancel	1.51E-03	1.66E-03	8.81E-06	1.16E-05	6.21E-07	1.52E-03	1.92E-03	1.51E-03	2.18E-07	0.00E+00	4.72E-08	2.48E-04	0.00E+00	0.00E+00	1.92E-03
836 ALL	645246.8	4251498 NonCancel	1.37E-03	1.51E-03	8.00E-06	1.06E-05	5.65E-07	1.38E-03	1.74E-03	1.37E-03	2.01E-07	0.00E+00	4.33E-08	2.10E-04	0.00E+00	0.00E+00	1.74E-03
837 ALL	645346.8	4251498 NonCancel	1.26E-03	1.39E-03	7.33E-06	9.81E-06	5.20E-07	1.27E-03	1.60E-03	1.26E-03	1.87E-07	0.00E+00	4.02E-08	2.01E-04	0.00E+00	0.00E+00	1.60E-03
838 ALL	642446.8	4251598 NonCancel	2.78E-03	3.05E-03	1.58E-05	2.27E-05	1.16E-06	2.79E-03	3.53E-03	2.78E-03	4.90E-07	0.00E+00	1.01E-07	4.42E-04	0.00E+00	0.00E+00	3.53E-03
839 ALL	642546.8	4251598 NonCancel	3.17E-03	3.48E-03	1.80E-05	2.63E-05	1.32E-06	3.19E-03	4.03E-03	3.17E-03	5.58E-07	0.00E+00	1.16E-07	5.03E-04	0.00E+00	0.00E+00	4.03E-03
840 ALL	642646.8	4251598 NonCancel	3.63E-03	3.99E-03	2.04E-05	3.10E-05	1.52E-06	3.65E-03	4.62E-03	3.63E-03	6.38E-07	0.00E+00	1.34E-07	5.76E-04	0.00E+00	0.00E+00	4.62E-03
841 ALL	642746.8	4251598 NonCancel	4.28E-03	4.70E-03	2.37E-05	3.79E-05	1.79E-06	4.31E-03	5.44E-03	4.28E-03	7.62E-07	0.00E+00	1.61E-07	6.76E-04	0.00E+00	0.00E+00	5.44E-03
842 ALL	642846.8	4251598 NonCancel	4.86E-03	5.33E-03	2.69E-05	4.30E-05	2.04E-06	4.89E-03	6.18E-03	4.86E-03	8.93E-07	0.00E+00	1.87E-07	7.68E-04	0.00E+00	0.00E+00	6.18E-03
843 ALL	642946.8	4251598 NonCancel	5.62E-03	6.16E-03	3.17E-05	4.73E-05	2.36E-06	5.65E-03	7.18E-03	5.62E-03	1.09E-06	0.00E+00	2.21E-07	8.96E-04	0.00E+00	0.00E+00	7.18E-03
844 ALL	643046.8	4251598 NonCancel	6.89E-03	7.56E-03	4.08E-05	5.02E-05	2.87E-06	6.92E-03	8.82E-03	6.88E-03	1.32E-06	0.00E+00	2.58E-07	1.12E-03	0.00E+00	0.00E+00	8.82E-03
845 ALL	643146.8	4251598 NonCancel	8.38E-03	9.22E-03	5.28E-05	4.83E-05	3.42E-06	8.41E-03	1.07E-02	8.38E-03	1.43E-06	0.00E+00	2.70E-07	1.38E-03	0.00E+00	0.00E+00	1.07E-02
846 ALL	643246.8	4251598 NonCancel	9.51E-03	1.05E-02	6.23E-05	4.58E-05	3.84E-06	9.55E-03	1.21E-02	9.51E-03	1.47E-06	0.00E+00	2.71E-07	1.58E-03	0.00E+00	0.00E+00	1.21E-02
847 ALL	643346.8	4251598 NonCancel	1.01E-02	1.12E-02	6.66E-05	4.80E-05	4.08E-06	1.02E-02	1.29E-02	1.01E-02	1.52E-06	0.00E+00	2.81E-07	1.68E-03	0.00E+00	0.00E+00	1.29E-02
848 ALL	643446.8	4251598 NonCancel	1.07E-02	1.18E-02	6.84E-05	5.87E-05	4.34E-06	1.08E-02	1.37E-02	1.07E-02	1.60E-06	0.00E+00	3.08E-07	1.76E-03	0.00E+00	0.00E+00	1.37E-02
849 ALL	643546.8	4251598 NonCancel	1.14E-02	1.25E-02	6.89E-05	7.74E-05	4.65E-06	1.14E-02	1.45E-02	1.14E-02	1.67E-06	0.00E+00	3.47E-07	1.84E-03	0.00E+00	0.00E+00	1.45E-02
850 ALL	643646.8	4251598 NonCancel	1.18E-02	1.30E-02	6.69E-05	9.81E-05	4.88E-06	1.19E-02	1.49E-02	1.18E-02	1.70E-06	0.00E+00	3.84E-07	1.86E-03	0.00E+00	0.00E+00	1.49E-02
851 ALL	643746.8	4251598 NonCancel	1.17E-02	1.29E-02	6.25E-05	1.13E-04	4.90E-06	1.18E-02	1.48E-02	1.17E-02	1.67E-06	0.00E+00	4.05E-07	1.81E-03	0.00E+00	0.00E+00	1.48E-02
852 ALL	643846.8	4251598 NonCancel	1.12E-02	1.22E-02	5.66E-05	1.20E-04	4.71E-06	1.13E-02	1.41E-02	1.12E-02	1.60E-06	0.00E+00	4.05E-07	1.70E-03	0.00E+00	0.00E+00	1.41E-02
853 ALL	643946.8	4251598 NonCancel	1.03E-02	1.13E-02	5.02E-05	1.19E-04	4.37E-06	1.04E-02	1.30E-02	1.03E-02	1.48E-06	0.00E+00	3.88E-07	1.56E-03	0.00E+00	0.00E+00	1.30E-02
854 ALL	644046.8	4251598 NonCancel	9.36E-03	1.02E-02	4.42E-05	1.13E-04	3.97E-06	9.42E-03	1.17E-02	9.35E-03	1.32E-06	0.00E+00	3.57E-07	1.40E-03	0.00E+00	0.00E+00	1.17E-02
855 ALL	644146.8	4251598 NonCancel	8.18E-03	8.93E-03	3.82E-05	1.00E-04	3.48E-06	8.24E-03	1.03E-02	8.18E-03	1.14E-06	0.00E+00	3.13E-07	1.22E-03	0.00E+00	0.00E+00	1.03E-02
856 ALL	644246.8	4251598 NonCancel	6.86E-03	7.49E-03	3.20E-05	8.42E-05	2.91E-06	6.91E-03	8.60E-03	6.86E-03	9.47E-07	0.00E+00	2.61E-07	1.02E-03	0.00E+00	0.00E+00	8.60E-03
857 ALL	644346.8	4251598 NonCancel	5.60E-03	6.12E-03	2.65E-05	6.73E-05	2.38E-06	5.64E-03	7.03E-03	5.60E-03	7.74E-07	0.00E+00	2.11E-07	8.36E-04	0.00E+00	0.00E+00	7.03E-03
858 ALL	644446.8	4251598 NonCancel	4.54E-03	4.96E-03	2.20E-05	5.21E-05	1.92E-06	4.57E-03	5.71E-03	4.53E-03	6.29E-07	0.00E+00	1.68E-07	6.82E-04	0.00E+00	0.00E+00	5.71E-03
859 ALL	644546.8	4251598 NonCancel	3.70E-03	4.05E-03	1.86E-05	4.00E-05	1.56E-06	3.72E-03	4.66E-03	3.70E-03	5.15E-07	0.00E+00	1.33E-07	5.62E-04	0.00E+00	0.00E+00	4.66E-03
860 ALL	644646.8	4251598 NonCancel	3.07E-03	3.36E-03	1.60E-05	3.09E-05	1.28E-06	3.09E-03	3.88E-03	3.07E-03	4.28E-07	0.00E+00	1.07E-07	4.72E-04	0.00E+00	0.00E+00	3.88E-03
861 ALL	644746.8	4251598 NonCancel	2.60E-03	2.85E-03	1.40E-05	2.44E-05	1.08E-06	2.62E-03	3.29E-03	2.60E-03	3.62E-07	0.00E+00	8.72E-08	4.04E-04	0.00E+00	0.00E+00	3.29E-03
862 ALL	644846.8	4251598 NonCancel	2.25E-03	2.47E-03	1.25E-05	1.99E-05	9.32E-07	2.26E-03	2.85E-03	2.25E-03	3.14E-07	0.00E+00	7.34E-08	3.52E-04	0.00E+00	0.00E+00	2.85E-03
863 ALL	644946.8	4251598 NonCancel	1.97E-03	2.16E-03	1.11E-05	1.67E-05	8.15E-07	1.98E-03	2.50E-03	1.97E-03	2.77E-07	0.00E+00	6.33E-08	3.10E-04	0.00E+00	0.00E+00	2.50E-03
864 ALL	645046.8	4251598 NonCancel	1.75E-03	1.92E-03	9.91E-06	1.44E-05	7.20E-07	1.76E-03	2.21E-03	1.75E-03	2.48E-07	0.00E+00	5.58E-08	2.75E-04	0.00E+00	0.00E+00	2.21E-03
865 ALL	645146.8	4251598 NonCancel	1.56E-03	1.71E-03	8.89E-06	1.28E-05	6.43E-07	1.57E-03	1.97E-03	1.56E-03	2.25E-07	0.00E+00	5.00E-08	2.46E-04	0.00E+00	0.00E+00	1.97E-03
866 ALL	645246.8	4251598 NonCancel	1.40E-03	1.54E-03	7.99E-06	1.15E-05	5.78E-07	1.41E-03	1.77E-03	1.40E-03	2.05E-07	0.00E+00	4.53E-08	2.21E-04	0.00E+00	0.00E+00	1.77E-03
867 ALL	645346.8	4251598 NonCancel	1.28E-03	1.40E-03	7.25E-06	1.05E-05	5.27E-07	1.28E-03	1.61E-03	1.28E-03	1.90E-07	0.00E+00	4.17E-08	2.01E-04	0.00E+00	0.00E+00	1.61E-03
868 ALL	642446.8	4251698 NonCancel	2.88E-03	3.15E-03	1.58E-05	2.59E-05	1.21E-06	2.89E-03	3.65E-03	2.88E-03	5.10E-07	0.00E+00	1.08E-07	4.53E-04	0.00E+00	0.00E+00	3.65E-03
869 ALL	642546.8	4251698 NonCancel	3.28E-03	3.59E-03	1.78E-05	3.01E-05	1.38E-06	3.30E-03	4.15E-03	3.28E-03	5.80E-07	0.00E+00	1.25E-07	5.14E-04	0.00E+00	0.00E+00	4.15E-03
870 ALL	642646.8	4251698 NonCancel	3.68E-03	4.03E-03	1.99E-05	3.43E-05	1.55E-06	3.70E-03	4.66E-03	3.68E-03	6.50E-07	0.00E+00	1.41E-07	5.76E-04	0.00E+00	0.00E+00	4.66E-03
871 ALL	642746.8	4251698 NonCancel	4.16E-03	4.55E-03	2.24E-05	3.90E-05	1.75E-06	4.18E-03	5.28E-03	4.16E-03	7.52E-07	0.00E+00	1.62E-07	6.51E-04	0.00E+00	0.00E+00	5.28E-03
872 ALL	642846.8	4251698 NonCancel	4.73E-03	5.18E-03	2.58E-05	4.32E-05	1.99E-06	4.76E-03	6.02E-03	4.73E-03	8.98E-07	0.00E+00	1.88E-07	7.46E-04	0.00E+00	0.00E+00	6.02E-03
873 ALL	642946.8	4251698 NonCancel	5.53E-03	6.07E-03	3.14E-05	4.56E-05	2.32E-06	5.56E-03	7.07E-03	5.53E-03	1.07E-06	0.00E+00	2.16E-07	8.84E-04	0.00E+00	0.00E+00	7.07E-03
874 ALL	643046.8	4251698 NonCancel	6.81E-03	7.49E-03	4.10E-05	4.72E-05	2.82E-06	6.84E-03	8.69E-03	6.81E-03	1.24E-06	0.00E+00	2.41E-07	1.11E-03	0.00E+00	0.00E+00	8.69E-03
875 ALL	643146.8	4251698 NonCancel	7.90E-03	8.70E-03	5.00E-05	4.50E-05	3.22E-06	7.93E-03	1.01E-02	7.90E-03	1.29E-06	0.00E+00	2.45E-07	1.30E-03	0.00E+00	0.00E+00	1.01E-02
876 ALL	643246.8	4251698 NonCancel	8.56E-03	9.43E-03	5.54E-05	4.38E-05	3.46E-06	8.59E-03	1.09E-02	8.56E-03	1.32E-06	0.00E+00	2.47E-07	1.41E-03	0.00E+00	0.00E+00	1.09E-02
877 ALL	643346.8	4251698 NonCancel	8.97E-03	9.88E-03	5.77E-05	4.73E-05	3.63E-06	9.01E-03	1.14E-02	8.97E-03	1.37E-06	0.00E+00	2.58E-07	1.48E-03	0.00E+00	0.00E+00	1.14E-02
878 ALL	643446.8	4251698 NonCancel	9.45E-03	1.04E-02	5.88E-05	5.77E-05	3.85E-06	9.50E-03	1.20E-02	9.45E-03	1.44E-06	0.00E+00	2.84E-07	1.54E-03	0.00E+00	0.00E+00	1.20E-02
879 ALL	643546.8	4251698 NonCancel	9.99E-03	1.10E-02	5.89E-05	7.37E-05	4.10E-06	1.00E-02	1.27E-02	9.99E-03	1.49E-06	0.00E+00	3.17E-07	1.60E-03	0.00E+00	0.00E+00	1.27E-02
880 ALL	643646.8	4251698 NonCancel	1.03E-02	1.13E-02	5.73E-05	9.07E-05	4.28E-06	1.04E-02	1.31E-02	1.03E-02	1.52E-06	0.00E+00	3.48E-07	1.62E-03	0.00E+00	0.00E+00	1.31E-02
881 ALL	643746.8	4251698 NonCancel	1.03E-02	1.13E-02	5.38E-05	1.03E-04	4.31E-06	1.04E-02	1.30E-02	1.03E-02	1.51E-06	0.00E+00	3.66E-07	1.59E-03	0.00E+00	0.00E+00	1.30E-02
882 ALL	643846.8	4251698 NonCancel	9.92E-03	1.08E-02	4.94E-05	1.09E-04	4.18E-06	9.99E-03	1.25E-02	9.92E-03	1.45E-06	0.00E+00	3.67E-07	1.51E-03	0.00E+00	0.00E+00	1.25E-02

883 ALL	643946.8	4251698	NonCancel	9.27E-03	1.01E-02	4.44E-05	1.09E-04	3.94E-06	9.34E-03	1.17E-02	9.27E-03	1.36E-06	0.00E+00	3.56E-07	1.39E-03	0.00E+00	0.00E+00	1.17E-02
884 ALL	644046.8	4251698	NonCancel	8.53E-03	9.31E-03	3.96E-05	1.05E-04	3.63E-06	8.59E-03	1.07E-02	8.53E-03	1.25E-06	0.00E+00	3.35E-07	1.27E-03	0.00E+00	0.00E+00	1.07E-02
885 ALL	644146.8	4251698	NonCancel	7.69E-03	8.39E-03	3.51E-05	9.74E-05	3.28E-06	7.75E-03	9.64E-03	7.69E-03	1.11E-06	0.00E+00	3.03E-07	1.14E-03	0.00E+00	0.00E+00	9.64E-03
886 ALL	644246.8	4251698	NonCancel	6.70E-03	7.31E-03	3.04E-05	8.56E-05	2.86E-06	6.75E-03	8.40E-03	6.70E-03	9.55E-07	0.00E+00	2.64E-07	9.90E-04	0.00E+00	0.00E+00	8.40E-03
887 ALL	644346.8	4251698	NonCancel	5.66E-03	6.18E-03	2.58E-05	7.18E-05	2.42E-06	5.70E-03	7.10E-03	5.66E-03	8.04E-07	0.00E+00	2.22E-07	8.37E-04	0.00E+00	0.00E+00	7.10E-03
888 ALL	644446.8	4251698	NonCancel	4.70E-03	5.13E-03	2.18E-05	5.81E-05	2.00E-06	4.73E-03	5.90E-03	4.70E-03	6.69E-07	0.00E+00	1.82E-07	6.98E-04	0.00E+00	0.00E+00	5.90E-03
889 ALL	644546.8	4251698	NonCancel	3.87E-03	4.23E-03	1.85E-05	4.59E-05	1.64E-06	3.90E-03	4.87E-03	3.87E-03	5.53E-07	0.00E+00	1.47E-07	5.80E-04	0.00E+00	0.00E+00	4.87E-03
890 ALL	644646.8	4251698	NonCancel	3.22E-03	3.52E-03	1.59E-05	3.61E-05	1.36E-06	3.24E-03	4.06E-03	3.22E-03	4.62E-07	0.00E+00	1.19E-07	4.87E-04	0.00E+00	0.00E+00	4.06E-03
891 ALL	644746.8	4251698	NonCancel	2.72E-03	2.98E-03	1.39E-05	2.86E-05	1.14E-06	2.74E-03	3.44E-03	2.72E-03	3.90E-07	0.00E+00	9.77E-08	4.16E-04	0.00E+00	0.00E+00	3.44E-03
892 ALL	644846.8	4251698	NonCancel	2.34E-03	2.56E-03	1.24E-05	2.30E-05	9.78E-07	2.36E-03	2.96E-03	2.34E-03	3.35E-07	0.00E+00	8.13E-08	3.61E-04	0.00E+00	0.00E+00	2.96E-03
893 ALL	644946.8	4251698	NonCancel	2.05E-03	2.25E-03	1.11E-05	1.91E-05	8.53E-07	2.06E-03	2.59E-03	2.05E-03	2.94E-07	0.00E+00	6.95E-08	3.19E-04	0.00E+00	0.00E+00	2.59E-03
894 ALL	645046.8	4251698	NonCancel	1.81E-03	1.99E-03	9.97E-06	1.62E-05	7.52E-07	1.82E-03	2.29E-03	1.81E-03	2.61E-07	0.00E+00	6.04E-08	2.83E-04	0.00E+00	0.00E+00	2.29E-03
895 ALL	645146.8	4251698	NonCancel	1.61E-03	1.77E-03	8.96E-06	1.41E-05	6.68E-07	1.62E-03	2.04E-03	1.61E-03	2.34E-07	0.00E+00	5.34E-08	2.53E-04	0.00E+00	0.00E+00	2.04E-03
896 ALL	645246.8	4251698	NonCancel	1.45E-03	1.59E-03	8.06E-06	1.25E-05	5.99E-07	1.45E-03	1.83E-03	1.45E-03	2.12E-07	0.00E+00	4.79E-08	2.27E-04	0.00E+00	0.00E+00	1.83E-03
897 ALL	645346.8	4251698	NonCancel	1.31E-03	1.43E-03	7.28E-06	1.13E-05	5.41E-07	1.31E-03	1.65E-03	1.31E-03	1.94E-07	0.00E+00	4.35E-08	2.05E-04	0.00E+00	0.00E+00	1.65E-03
898 ALL	643402.4	4250581	NonCancel	7.60E-03	8.33E-03	4.24E-05	6.57E-05	3.37E-06	7.64E-03	1.15E-02	7.59E-03	1.63E-06	0.00E+00	4.73E-07	1.30E-03	0.00E+00	0.00E+00	1.15E-02
899 ALL	643373.6	4250677	NonCancel	9.29E-03	1.02E-02	5.38E-05	7.28E-05	4.10E-06	9.34E-03	1.40E-02	9.29E-03	1.97E-06	0.00E+00	5.71E-07	1.61E-03	0.00E+00	0.00E+00	1.40E-02
900 ALL	643344.7	4250773	NonCancel	1.17E-02	1.28E-02	6.89E-05	8.66E-05	5.09E-06	1.17E-02	1.67E-02	1.17E-02	2.74E-06	0.00E+00	6.67E-07	2.01E-03	0.00E+00	0.00E+00	1.67E-02
901 ALL	643315.9	4250868	NonCancel	1.40E-02	1.54E-02	8.16E-05	1.08E-04	6.00E-06	1.41E-02	1.90E-02	1.40E-02	3.09E-06	0.00E+00	6.85E-07	2.33E-03	0.00E+00	0.00E+00	1.90E-02
902 ALL	643314.1	4250874	NonCancel	1.41E-02	1.55E-02	8.22E-05	1.08E-04	6.03E-06	1.42E-02	1.91E-02	1.41E-02	3.09E-06	0.00E+00	6.82E-07	2.34E-03	0.00E+00	0.00E+00	1.91E-02
903 ALL	643407.8	4250876	NonCancel	2.33E-02	2.56E-02	1.37E-04	1.74E-04	1.03E-05	2.34E-02	3.28E-02	2.33E-02	6.66E-06	0.00E+00	1.45E-06	4.01E-03	0.00E+00	0.00E+00	3.28E-02
904 ALL	643507.8	4250878	NonCancel	4.63E-02	5.10E-02	3.06E-04	2.10E-04	1.93E-05	4.64E-02	6.34E-02	4.63E-02	1.04E-05	0.00E+00	1.99E-06	8.00E-03	0.00E+00	0.00E+00	6.34E-02
905 ALL	643607.8	4250880	NonCancel	9.16E-02	1.01E-01	5.91E-04	4.74E-04	3.64E-05	9.19E-02	1.20E-01	9.15E-02	8.81E-06	0.00E+00	2.03E-06	1.49E-02	0.00E+00	0.00E+00	1.20E-01
906 ALL	643707.7	4250881	NonCancel	7.69E-02	8.47E-02	4.92E-04	4.15E-04	3.02E-05	7.72E-02	1.00E-01	7.69E-02	4.63E-06	0.00E+00	1.32E-06	1.24E-02	0.00E+00	0.00E+00	1.00E-01
907 ALL	643807.7	4250883	NonCancel	3.12E-02	3.43E-02	1.93E-04	1.96E-04	1.24E-05	3.13E-02	4.35E-02	3.12E-02	2.13E-06	0.00E+00	6.25E-07	4.97E-03	0.00E+00	0.00E+00	4.35E-02
908 ALL	643820.9	4250883	NonCancel	2.75E-02	3.02E-02	1.69E-04	1.76E-04	1.09E-05	2.76E-02	3.84E-02	2.75E-02	1.94E-06	0.00E+00	5.66E-07	4.38E-03	0.00E+00	0.00E+00	3.84E-02
909 ALL	643818.8	4250846	NonCancel	2.45E-02	2.69E-02	1.52E-04	1.49E-04	9.71E-06	2.46E-02	3.47E-02	2.44E-02	1.69E-06	0.00E+00	4.92E-07	3.92E-03	0.00E+00	0.00E+00	3.47E-02
910 ALL	643768.8	4250845	NonCancel	4.29E-02	4.73E-02	2.75E-04	2.30E-04	1.69E-05	4.31E-02	5.72E-02	4.29E-02	2.43E-06	0.00E+00	7.27E-07	6.91E-03	0.00E+00	0.00E+00	5.72E-02
911 ALL	643668.9	4250843	NonCancel	1.19E-01	1.31E-01	7.89E-04	5.18E-04	4.60E-05	1.19E-01	1.52E-01	1.19E-01	5.90E-06	0.00E+00	1.67E-06	1.93E-02	0.00E+00	0.00E+00	1.52E-01
912 ALL	643666.2	4250843	NonCancel	1.20E-01	1.32E-01	7.99E-04	5.25E-04	4.66E-05	1.20E-01	1.54E-01	1.20E-01	6.05E-06	0.00E+00	1.70E-06	1.95E-02	0.00E+00	0.00E+00	1.54E-01
913 ALL	643667.4	4250746	NonCancel	2.31E-01	2.56E-01	1.71E-03	3.51E-04	8.65E-05	2.32E-01	2.86E-01	2.31E-01	3.31E-06	0.00E+00	1.03E-06	3.87E-02	0.00E+00	0.00E+00	2.86E-01
914 ALL	643668.6	4250646	NonCancel	9.47E-02	1.05E-01	6.92E-04	1.72E-04	3.57E-05	9.50E-02	1.30E-01	9.47E-02	2.35E-06	0.00E+00	6.93E-07	1.59E-02	0.00E+00	0.00E+00	1.30E-01
915 ALL	643669.3	4250586	NonCancel	4.94E-02	5.45E-02	3.36E-04	1.87E-04	1.92E-05	4.96E-02	6.75E-02	4.94E-02	2.65E-06	0.00E+00	7.60E-07	8.17E-03	0.00E+00	0.00E+00	6.75E-02
916 ALL	643629	4250586	NonCancel	2.95E-02	3.24E-02	1.75E-04	2.13E-04	1.22E-05	2.96E-02	4.41E-02	2.95E-02	3.57E-06	0.00E+00	9.91E-07	4.80E-03	0.00E+00	0.00E+00	4.41E-02
917 ALL	643529	4250584	NonCancel	1.24E-02	1.37E-02	6.96E-05	1.08E-04	6.06E-06	1.25E-02	2.32E-02	1.24E-02	6.29E-06	0.00E+00	1.31E-06	2.32E-03	0.00E+00	0.00E+00	2.32E-02
918 ALL	643429	4250582	NonCancel	8.11E-03	8.90E-03	4.54E-05	7.00E-05	3.66E-06	8.16E-03	1.29E-02	8.11E-03	1.96E-06	0.00E+00	5.72E-07	1.42E-03	0.00E+00	0.00E+00	1.29E-02



TAYLOR
ENVIRONMENTAL
SERVICES, INC.

CHRONIC RISK WORKER

*HARP - HRACalc v19044 4/4/2021 12:54:03 PM - Chronic Risk - Input File: C:\Users\Modelling Computer\Documents\VMC_Elk\ELKGROVETRUCK\hra\chronicworkerHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE RESP	SKIN	EYE	BONE/TEE ENDO	BLOOD	ODOR	GENERAL	MAXHI			
1	ALL		643605.3	4250526	NonCancel	1.40E-02	1.58E-02	8.19E-05	2.83E-04	6.47E-06	1.41E-02	2.36E-02	1.40E-02	4.91E-06	0.00E+00	1.34E-06	3.22E-03	0.00E+00	0.00E+00	2.36E-02
2	ALL		643728.5	4250904	NonCancel	4.00E-02	4.62E-02	3.88E-04	3.06E-04	1.52E-05	4.02E-02	5.90E-02	4.00E-02	4.13E-06	0.00E+00	1.18E-06	9.93E-03	0.00E+00	0.00E+00	5.90E-02
3	ALL		643912.5	4250829	NonCancel	7.51E-03	8.67E-03	7.24E-05	5.90E-05	2.90E-06	7.55E-03	1.18E-02	7.51E-03	9.85E-07	0.00E+00	2.66E-07	1.88E-03	0.00E+00	0.00E+00	1.18E-02
4	ALL		644105.7	4250735	NonCancel	3.97E-03	4.59E-03	4.01E-05	2.51E-05	1.52E-06	3.98E-03	5.91E-03	3.97E-03	5.61E-07	0.00E+00	1.33E-07	1.01E-03	0.00E+00	0.00E+00	5.91E-03
5	ALL		644093.7	4250516	NonCancel	4.42E-03	5.11E-03	4.47E-05	2.80E-05	1.69E-06	4.44E-03	6.57E-03	4.42E-03	6.19E-07	0.00E+00	1.47E-07	1.12E-03	0.00E+00	0.00E+00	6.57E-03
6	ALL		643217.1	4250857	NonCancel	5.46E-03	6.31E-03	5.32E-05	4.15E-05	2.25E-06	5.49E-03	8.33E-03	5.46E-03	1.52E-06	0.00E+00	3.29E-07	1.42E-03	0.00E+00	0.00E+00	8.33E-03
7	ALL		643115.9	4250756	NonCancel	3.42E-03	3.96E-03	3.45E-05	2.20E-05	1.36E-06	3.43E-03	5.11E-03	3.42E-03	7.18E-07	0.00E+00	1.62E-07	8.88E-04	0.00E+00	0.00E+00	5.11E-03
8	ALL		642446.8	4248798	NonCancel	4.78E-04	5.52E-04	4.66E-06	3.60E-06	1.90E-07	4.80E-04	6.91E-04	4.78E-04	1.15E-07	0.00E+00	2.22E-08	1.21E-04	0.00E+00	0.00E+00	6.91E-04
9	ALL		642546.8	4248798	NonCancel	5.04E-04	5.82E-04	4.92E-06	3.76E-06	2.00E-07	5.07E-04	7.32E-04	5.04E-04	1.19E-07	0.00E+00	2.32E-08	1.28E-04	0.00E+00	0.00E+00	7.32E-04
10	ALL		642646.8	4248798	NonCancel	5.34E-04	6.16E-04	5.22E-06	3.94E-06	2.11E-07	5.36E-04	7.79E-04	5.34E-04	1.25E-07	0.00E+00	2.44E-08	1.36E-04	0.00E+00	0.00E+00	7.79E-04
11	ALL		642746.8	4248798	NonCancel	5.66E-04	6.54E-04	5.54E-06	4.17E-06	2.24E-07	5.69E-04	8.33E-04	5.66E-04	1.31E-07	0.00E+00	2.57E-08	1.44E-04	0.00E+00	0.00E+00	8.33E-04
12	ALL		642846.8	4248798	NonCancel	6.01E-04	6.95E-04	5.88E-06	4.46E-06	2.38E-07	6.04E-04	8.98E-04	6.01E-04	1.39E-07	0.00E+00	2.73E-08	1.53E-04	0.00E+00	0.00E+00	8.98E-04
13	ALL		642946.8	4248798	NonCancel	6.39E-04	7.37E-04	6.22E-06	4.81E-06	2.53E-07	6.42E-04	9.89E-04	6.38E-04	1.47E-07	0.00E+00	2.90E-08	1.62E-04	0.00E+00	0.00E+00	9.89E-04
14	ALL		643046.8	4248798	NonCancel	6.82E-04	7.87E-04	6.61E-06	5.25E-06	2.70E-07	6.85E-04	1.13E-03	6.82E-04	1.56E-07	0.00E+00	3.11E-08	1.72E-04	0.00E+00	0.00E+00	1.13E-03
15	ALL		643146.8	4248798	NonCancel	7.15E-04	8.25E-04	6.89E-06	5.63E-06	2.84E-07	7.18E-04	1.18E-03	7.15E-04	1.62E-07	0.00E+00	3.27E-08	1.80E-04	0.00E+00	0.00E+00	1.18E-03
16	ALL		643246.8	4248798	NonCancel	7.38E-04	8.52E-04	7.06E-06	6.00E-06	2.93E-07	7.42E-04	1.18E-03	7.38E-04	1.65E-07	0.00E+00	3.38E-08	1.86E-04	0.00E+00	0.00E+00	1.18E-03
17	ALL		643346.8	4248798	NonCancel	7.52E-04	8.68E-04	7.12E-06	6.35E-06	2.99E-07	7.56E-04	1.17E-03	7.52E-04	1.66E-07	0.00E+00	3.47E-08	1.89E-04	0.00E+00	0.00E+00	1.17E-03
18	ALL		643446.8	4248798	NonCancel	7.65E-04	8.81E-04	7.15E-06	6.76E-06	3.05E-07	7.69E-04	1.18E-03	7.65E-04	1.69E-07	0.00E+00	3.58E-08	1.91E-04	0.00E+00	0.00E+00	1.18E-03
19	ALL		643546.8	4248798	NonCancel	7.75E-04	8.92E-04	7.09E-06	7.33E-06	3.11E-07	7.79E-04	1.18E-03	7.75E-04	1.74E-07	0.00E+00	3.75E-08	1.92E-04	0.00E+00	0.00E+00	1.18E-03
20	ALL		643646.8	4248798	NonCancel	7.88E-04	9.06E-04	7.00E-06	8.15E-06	3.19E-07	7.93E-04	1.19E-03	7.88E-04	1.83E-07	0.00E+00	4.03E-08	1.94E-04	0.00E+00	0.00E+00	1.19E-03
21	ALL		643746.8	4248798	NonCancel	8.19E-04	9.40E-04	7.02E-06	9.29E-06	3.35E-07	8.24E-04	1.22E-03	8.19E-04	1.96E-07	0.00E+00	4.42E-08	1.99E-04	0.00E+00	0.00E+00	1.22E-03
22	ALL		643846.8	4248798	NonCancel	8.67E-04	9.94E-04	7.15E-06	1.08E-05	3.59E-07	8.73E-04	1.28E-03	8.67E-04	2.12E-07	0.00E+00	4.91E-08	2.09E-04	0.00E+00	0.00E+00	1.28E-03
23	ALL		643946.8	4248798	NonCancel	9.32E-04	1.07E-03	7.35E-06	1.26E-05	3.89E-07	9.38E-04	1.36E-03	9.31E-04	2.33E-07	0.00E+00	5.55E-08	2.22E-04	0.00E+00	0.00E+00	1.36E-03
24	ALL		644046.8	4248798	NonCancel	1.01E-03	1.16E-03	7.63E-06	1.49E-05	4.28E-07	1.02E-03	1.46E-03	1.01E-03	2.59E-07	0.00E+00	6.35E-08	2.38E-04	0.00E+00	0.00E+00	1.46E-03
25	ALL		644146.8	4248798	NonCancel	1.11E-03	1.26E-03	8.00E-06	1.74E-05	4.72E-07	1.12E-03	1.59E-03	1.11E-03	2.87E-07	0.00E+00	7.20E-08	2.57E-04	0.00E+00	0.00E+00	1.59E-03
26	ALL		644246.8	4248798	NonCancel	1.21E-03	1.38E-03	8.47E-06	1.98E-05	5.17E-07	1.22E-03	1.72E-03	1.21E-03	3.13E-07	0.00E+00	8.00E-08	2.78E-04	0.00E+00	0.00E+00	1.72E-03
27	ALL		644346.8	4248798	NonCancel	1.29E-03	1.47E-03	8.89E-06	2.16E-05	5.53E-07	1.30E-03	1.83E-03	1.29E-03	3.32E-07	0.00E+00	8.59E-08	2.96E-04	0.00E+00	0.00E+00	1.83E-03
28	ALL		644446.8	4248798	NonCancel	1.34E-03	1.52E-03	9.16E-06	2.26E-05	5.74E-07	1.35E-03	1.89E-03	1.34E-03	3.40E-07	0.00E+00	8.90E-08	3.06E-04	0.00E+00	0.00E+00	1.89E-03
29	ALL		644546.8	4248798	NonCancel	1.35E-03	1.53E-03	9.25E-06	2.28E-05	5.78E-07	1.36E-03	1.90E-03	1.35E-03	3.39E-07	0.00E+00	8.90E-08	3.08E-04	0.00E+00	0.00E+00	1.90E-03
30	ALL		644646.8	4248798	NonCancel	1.32E-03	1.51E-03	9.13E-06	2.22E-05	5.66E-07	1.33E-03	1.86E-03	1.32E-03	3.29E-07	0.00E+00	8.66E-08	3.03E-04	0.00E+00	0.00E+00	1.86E-03
31	ALL		644746.8	4248798	NonCancel	1.27E-03	1.44E-03	8.80E-06	2.12E-05	5.42E-07	1.28E-03	1.78E-03	1.27E-03	3.13E-07	0.00E+00	8.25E-08	2.91E-04	0.00E+00	0.00E+00	1.78E-03
32	ALL		644846.8	4248798	NonCancel	1.20E-03	1.36E-03	8.34E-06	1.99E-05	5.12E-07	1.21E-03	1.68E-03	1.20E-03	2.95E-07	0.00E+00	7.76E-08	2.75E-04	0.00E+00	0.00E+00	1.68E-03
33	ALL		644946.8	4248798	NonCancel	1.13E-03	1.29E-03	7.89E-06	1.88E-05	4.84E-07	1.14E-03	1.59E-03	1.13E-03	2.80E-07	0.00E+00	7.33E-08	2.60E-04	0.00E+00	0.00E+00	1.59E-03
34	ALL		645046.8	4248798	NonCancel	1.07E-03	1.22E-03	7.48E-06	1.77E-05	4.57E-07	1.08E-03	1.50E-03	1.07E-03	2.65E-07	0.00E+00	6.92E-08	2.46E-04	0.00E+00	0.00E+00	1.50E-03
35	ALL		645146.8	4248798	NonCancel	1.02E-03	1.16E-03	7.16E-06	1.68E-05	4.36E-07	1.03E-03	1.43E-03	1.02E-03	2.54E-07	0.00E+00	6.62E-08	2.35E-04	0.00E+00	0.00E+00	1.43E-03
36	ALL		645246.8	4248798	NonCancel	9.57E-04	1.09E-03	6.76E-06	1.55E-05	4.08E-07	9.64E-04	1.34E-03	9.56E-04	2.37E-07	0.00E+00	6.14E-08	2.20E-04	0.00E+00	0.00E+00	1.34E-03
37	ALL		645346.8	4248798	NonCancel	9.02E-04	1.03E-03	6.43E-06	1.45E-05	3.84E-07	9.09E-04	1.26E-03	9.02E-04	2.24E-07	0.00E+00	5.75E-08	2.08E-04	0.00E+00	0.00E+00	1.26E-03
38	ALL		642446.8	4248898	NonCancel	4.94E-04	5.71E-04	4.85E-06	3.62E-06	1.96E-07	4.97E-04	7.16E-04	4.94E-04	1.18E-07	0.00E+00	2.27E-08	1.26E-04	0.00E+00	0.00E+00	7.16E-04
39	ALL		642546.8	4248898	NonCancel	5.22E-04	6.03E-04	5.13E-06	3.79E-06	2.07E-07	5.24E-04	7.59E-04	5.22E-04	1.23E-07	0.00E+00	2.38E-08	1.33E-04	0.00E+00	0.00E+00	7.59E-04
40	ALL		642646.8	4248898	NonCancel	5.54E-04	6.40E-04	5.45E-06	3.99E-06	2.19E-07	5.56E-04	8.11E-04	5.54E-04	1.29E-07	0.00E+00	2.50E-08	1.41E-04	0.00E+00	0.00E+00	8.11E-04
41	ALL		642746.8	4248898	NonCancel	5.90E-04	6.81E-04	5.81E-06	4.23E-06	2.33E-07	5.92E-04	8.72E-04	5.90E-04	1.35E-07	0.00E+00	2.64E-08	1.50E-04	0.00E+00	0.00E+00	8.72E-04
42	ALL		642846.8	4248898	NonCancel	6.30E-04	7.27E-04	6.20E-06	4.53E-06	2.49E-07	6.32E-04	9.50E-04	6.29E-04	1.44E-07	0.00E+00	2.81E-08	1.60E-04	0.00E+00	0.00E+00	9.50E-04
43	ALL		642946.8	4248898	NonCancel	6.66E-04	7.70E-04	6.54E-06	4.86E-06	2.63E-07	6.69E-04	1.08E-03	6.66E-04	1.51E-07	0.00E+00	2.98E-08	1.69E-04	0.00E+00	0.00E+00	1.08E-03
44	ALL		643046.8	4248898	NonCancel	7.10E-04	8.20E-04	6.93E-06	5.28E-06	2.80E-07	7.13E-04	1.09E-03	7.09E-04	1.59E-07	0.00E+00	3.18E-08	1.80E-04	0.00E+00	0.00E+00	1.09E-03
45	ALL		643146.8	4248898	NonCancel	7.54E-04	8.71E-04	7.32E-06	5.77E-06	2.99E-07	7.58E-04	1.35E-03	7.54E-04	1.69E-07	0.00E+00	3.40E-08	1.91E-04	0.00E+00	0.00E+00	1.35E-03
46	ALL		643246.8	4248898	NonCancel	7.78E-04	8.98E-04	7.49E-06	6.14E-06	3.08E-07	7.82E-04	1.32E-03	7.78E-04	1.71E-07	0.00E+00	3.50E-08	1.96E-04	0.00E+00	0.00E+00	1.32E-03
47	ALL		643346.8	4248898	NonCancel	8.00E-04	9.23E-04	7.63E-06	6.58E-06	3.18E-07	8.05E-04	1.30E-03	8.00E-04	1.74E-07	0.00E+00	3.63E-08	2.01E-04	0.00E+00	0.00E+00	1.30E-03
48	ALL		643446.8	4248898	NonCancel	8.16E-04	9.41E-04	7.68E-06	7.05E-06	3.25E-07	8.20E-04	1.29E-03	8.16E-04	1.77E-07	0.00E+00	3.76E-08	2.04E-04	0.00E+00	0.00E+00	1.29E-03
49	ALL		643546.8	4248898	NonCancel	8.27E-04	9.53E-04	7.62E-06	7.68E-06	3.31E-07	8.32E-04	1.28E-03</								

51 ALL	643746.8	4248898	NonCancel	8.79E-04	1.01E-03	7.56E-06	9.93E-06	3.60E-07	8.85E-04	1.32E-03	8.79E-04	2.09E-07	0.00E+00	4.72E-08	2.14E-04	0.00E+00	0.00E+00	1.32E-03
52 ALL	643846.8	4248898	NonCancel	9.38E-04	1.08E-03	7.73E-06	1.17E-05	3.88E-07	9.44E-04	1.39E-03	9.38E-04	2.29E-07	0.00E+00	5.32E-08	2.26E-04	0.00E+00	0.00E+00	1.39E-03
53 ALL	643946.8	4248898	NonCancel	1.02E-03	1.16E-03	7.99E-06	1.39E-05	4.25E-07	1.02E-03	1.48E-03	1.02E-03	2.54E-07	0.00E+00	6.08E-08	2.42E-04	0.00E+00	0.00E+00	1.48E-03
54 ALL	644046.8	4248898	NonCancel	1.11E-03	1.27E-03	8.34E-06	1.66E-05	4.71E-07	1.12E-03	1.61E-03	1.11E-03	2.85E-07	0.00E+00	7.00E-08	2.61E-04	0.00E+00	0.00E+00	1.61E-03
55 ALL	644146.8	4248898	NonCancel	1.22E-03	1.39E-03	8.80E-06	1.93E-05	5.21E-07	1.23E-03	1.75E-03	1.22E-03	3.16E-07	0.00E+00	7.94E-08	2.84E-04	0.00E+00	0.00E+00	1.75E-03
56 ALL	644246.8	4248898	NonCancel	1.33E-03	1.51E-03	9.34E-06	2.17E-05	5.68E-07	1.34E-03	1.89E-03	1.33E-03	3.42E-07	0.00E+00	8.75E-08	3.06E-04	0.00E+00	0.00E+00	1.89E-03
57 ALL	644346.8	4248898	NonCancel	1.40E-03	1.60E-03	9.76E-06	2.33E-05	6.01E-07	1.41E-03	1.99E-03	1.40E-03	3.58E-07	0.00E+00	9.27E-08	3.23E-04	0.00E+00	0.00E+00	1.99E-03
58 ALL	644446.8	4248898	NonCancel	1.44E-03	1.63E-03	9.98E-06	2.39E-05	6.14E-07	1.45E-03	2.03E-03	1.44E-03	3.61E-07	0.00E+00	9.42E-08	3.30E-04	0.00E+00	0.00E+00	2.03E-03
59 ALL	644546.8	4248898	NonCancel	1.43E-03	1.63E-03	9.97E-06	2.36E-05	6.10E-07	1.44E-03	2.02E-03	1.43E-03	3.54E-07	0.00E+00	9.27E-08	3.28E-04	0.00E+00	0.00E+00	2.02E-03
60 ALL	644646.8	4248898	NonCancel	1.38E-03	1.58E-03	9.72E-06	2.27E-05	5.90E-07	1.40E-03	1.95E-03	1.38E-03	3.40E-07	0.00E+00	8.90E-08	3.18E-04	0.00E+00	0.00E+00	1.95E-03
61 ALL	644746.8	4248898	NonCancel	1.31E-03	1.50E-03	9.27E-06	2.14E-05	5.60E-07	1.33E-03	1.85E-03	1.31E-03	3.22E-07	0.00E+00	8.41E-08	3.03E-04	0.00E+00	0.00E+00	1.85E-03
62 ALL	644846.8	4248898	NonCancel	1.23E-03	1.41E-03	8.73E-06	2.00E-05	5.25E-07	1.24E-03	1.73E-03	1.23E-03	3.02E-07	0.00E+00	7.87E-08	2.84E-04	0.00E+00	0.00E+00	1.73E-03
63 ALL	644946.8	4248898	NonCancel	1.16E-03	1.32E-03	8.23E-06	1.87E-05	4.92E-07	1.17E-03	1.63E-03	1.16E-03	2.84E-07	0.00E+00	7.36E-08	2.67E-04	0.00E+00	0.00E+00	1.63E-03
64 ALL	645046.8	4248898	NonCancel	1.09E-03	1.24E-03	7.79E-06	1.75E-05	4.63E-07	1.10E-03	1.53E-03	1.09E-03	2.68E-07	0.00E+00	6.92E-08	2.52E-04	0.00E+00	0.00E+00	1.53E-03
65 ALL	645146.8	4248898	NonCancel	1.04E-03	1.18E-03	7.43E-06	1.65E-05	4.40E-07	1.04E-03	1.45E-03	1.04E-03	2.55E-07	0.00E+00	6.56E-08	2.40E-04	0.00E+00	0.00E+00	1.45E-03
66 ALL	645246.8	4248898	NonCancel	9.76E-04	1.11E-03	7.06E-06	1.53E-05	4.14E-07	9.83E-04	1.37E-03	9.75E-04	2.41E-07	0.00E+00	6.14E-08	2.26E-04	0.00E+00	0.00E+00	1.37E-03
67 ALL	645346.8	4248898	NonCancel	9.06E-04	1.03E-03	6.64E-06	1.40E-05	3.83E-07	9.13E-04	1.27E-03	9.06E-04	2.23E-07	0.00E+00	5.64E-08	2.11E-04	0.00E+00	0.00E+00	1.27E-03
68 ALL	642446.8	4248998	NonCancel	5.12E-04	5.91E-04	5.05E-06	3.64E-06	2.02E-07	5.14E-04	7.42E-04	5.12E-04	1.21E-07	0.00E+00	2.32E-08	1.30E-04	0.00E+00	0.00E+00	7.42E-04
69 ALL	642546.8	4248998	NonCancel	5.40E-04	6.25E-04	5.34E-06	3.82E-06	2.13E-07	5.43E-04	7.88E-04	5.40E-04	1.26E-07	0.00E+00	2.43E-08	1.38E-04	0.00E+00	0.00E+00	7.88E-04
70 ALL	642646.8	4248998	NonCancel	5.73E-04	6.62E-04	5.67E-06	4.02E-06	2.26E-07	5.75E-04	8.42E-04	5.73E-04	1.32E-07	0.00E+00	2.56E-08	1.46E-04	0.00E+00	0.00E+00	8.42E-04
71 ALL	642746.8	4248998	NonCancel	6.12E-04	7.07E-04	6.07E-06	4.26E-06	2.41E-07	6.14E-04	9.09E-04	6.11E-04	1.39E-07	0.00E+00	2.70E-08	1.56E-04	0.00E+00	0.00E+00	9.09E-04
72 ALL	642846.8	4248998	NonCancel	6.56E-04	7.58E-04	6.50E-06	4.57E-06	2.58E-07	6.59E-04	1.00E-03	6.56E-04	1.47E-07	0.00E+00	2.88E-08	1.67E-04	0.00E+00	0.00E+00	1.00E-03
73 ALL	642946.8	4248998	NonCancel	7.01E-04	8.10E-04	6.94E-06	4.95E-06	2.76E-07	7.04E-04	1.16E-03	7.01E-04	1.57E-07	0.00E+00	3.09E-08	1.79E-04	0.00E+00	0.00E+00	1.16E-03
74 ALL	643046.8	4248998	NonCancel	7.45E-04	8.61E-04	7.34E-06	5.37E-06	2.94E-07	7.49E-04	1.52E-03	7.45E-04	1.65E-07	0.00E+00	3.28E-08	1.89E-04	0.00E+00	0.00E+00	1.52E-03
75 ALL	643146.8	4248998	NonCancel	7.89E-04	9.11E-04	7.72E-06	5.85E-06	3.11E-07	7.93E-04	1.31E-03	7.89E-04	1.72E-07	0.00E+00	3.48E-08	2.00E-04	0.00E+00	0.00E+00	1.31E-03
76 ALL	643246.8	4248998	NonCancel	8.27E-04	9.55E-04	8.03E-06	6.34E-06	3.27E-07	8.31E-04	1.52E-03	8.27E-04	1.79E-07	0.00E+00	3.67E-08	2.09E-04	0.00E+00	0.00E+00	1.52E-03
77 ALL	643346.8	4248998	NonCancel	8.57E-04	9.89E-04	8.23E-06	6.85E-06	3.39E-07	8.61E-04	1.49E-03	8.57E-04	1.83E-07	0.00E+00	3.82E-08	2.16E-04	0.00E+00	0.00E+00	1.49E-03
78 ALL	643446.8	4248998	NonCancel	8.74E-04	1.01E-03	8.28E-06	7.38E-06	3.47E-07	8.79E-04	1.43E-03	8.74E-04	1.87E-07	0.00E+00	3.96E-08	2.19E-04	0.00E+00	0.00E+00	1.43E-03
79 ALL	643546.8	4248998	NonCancel	8.89E-04	1.02E-03	8.23E-06	8.11E-06	3.55E-07	8.94E-04	1.40E-03	8.89E-04	1.94E-07	0.00E+00	4.19E-08	2.21E-04	0.00E+00	0.00E+00	1.40E-03
80 ALL	643646.8	4248998	NonCancel	9.10E-04	1.05E-03	8.15E-06	9.19E-06	3.68E-07	9.15E-04	1.40E-03	9.09E-04	2.07E-07	0.00E+00	4.57E-08	2.24E-04	0.00E+00	0.00E+00	1.40E-03
81 ALL	643746.8	4248998	NonCancel	9.52E-04	1.09E-03	8.19E-06	1.07E-05	3.89E-07	9.58E-04	1.44E-03	9.52E-04	2.25E-07	0.00E+00	5.10E-08	2.32E-04	0.00E+00	0.00E+00	1.44E-03
82 ALL	643846.8	4248998	NonCancel	1.02E-03	1.17E-03	8.39E-06	1.28E-05	4.23E-07	1.03E-03	1.52E-03	1.02E-03	2.48E-07	0.00E+00	5.80E-08	2.46E-04	0.00E+00	0.00E+00	1.52E-03
83 ALL	643946.8	4248998	NonCancel	1.12E-03	1.28E-03	8.73E-06	1.54E-05	4.68E-07	1.13E-03	1.64E-03	1.12E-03	2.79E-07	0.00E+00	6.72E-08	2.65E-04	0.00E+00	0.00E+00	1.64E-03
84 ALL	644046.8	4248998	NonCancel	1.23E-03	1.41E-03	9.17E-06	1.85E-05	5.21E-07	1.24E-03	1.78E-03	1.23E-03	3.15E-07	0.00E+00	7.78E-08	2.89E-04	0.00E+00	0.00E+00	1.78E-03
85 ALL	644146.8	4248998	NonCancel	1.35E-03	1.54E-03	9.73E-06	2.14E-05	5.76E-07	1.36E-03	1.94E-03	1.35E-03	3.47E-07	0.00E+00	8.78E-08	3.14E-04	0.00E+00	0.00E+00	1.94E-03
86 ALL	644246.8	4248998	NonCancel	1.46E-03	1.67E-03	1.03E-05	2.38E-05	6.25E-07	1.47E-03	2.09E-03	1.46E-03	3.73E-07	0.00E+00	9.57E-08	3.38E-04	0.00E+00	0.00E+00	2.09E-03
87 ALL	644346.8	4248998	NonCancel	1.53E-03	1.74E-03	1.07E-05	2.50E-05	6.53E-07	1.54E-03	2.17E-03	1.53E-03	3.84E-07	0.00E+00	9.96E-08	3.52E-04	0.00E+00	0.00E+00	2.17E-03
88 ALL	644446.8	4248998	NonCancel	1.54E-03	1.76E-03	1.09E-05	2.51E-05	6.57E-07	1.55E-03	2.18E-03	1.54E-03	3.81E-07	0.00E+00	9.92E-08	3.55E-04	0.00E+00	0.00E+00	2.18E-03
89 ALL	644546.8	4248998	NonCancel	1.51E-03	1.72E-03	1.07E-05	2.43E-05	6.42E-07	1.52E-03	2.13E-03	1.51E-03	3.68E-07	0.00E+00	9.59E-08	3.48E-04	0.00E+00	0.00E+00	2.13E-03
90 ALL	644646.8	4248998	NonCancel	1.44E-03	1.64E-03	1.03E-05	2.30E-05	6.12E-07	1.45E-03	2.03E-03	1.44E-03	3.49E-07	0.00E+00	9.08E-08	3.33E-04	0.00E+00	0.00E+00	2.03E-03
91 ALL	644746.8	4248998	NonCancel	1.36E-03	1.55E-03	9.75E-06	2.15E-05	5.76E-07	1.37E-03	1.91E-03	1.36E-03	3.29E-07	0.00E+00	8.53E-08	3.14E-04	0.00E+00	0.00E+00	1.91E-03
92 ALL	644846.8	4248998	NonCancel	1.27E-03	1.45E-03	9.16E-06	2.00E-05	5.38E-07	1.28E-03	1.79E-03	1.27E-03	3.09E-07	0.00E+00	7.96E-08	2.94E-04	0.00E+00	0.00E+00	1.79E-03
93 ALL	644946.8	4248998	NonCancel	1.18E-03	1.35E-03	8.59E-06	1.84E-05	5.01E-07	1.19E-03	1.66E-03	1.18E-03	2.87E-07	0.00E+00	7.37E-08	2.74E-04	0.00E+00	0.00E+00	1.66E-03
94 ALL	645046.8	4248998	NonCancel	1.11E-03	1.26E-03	8.12E-06	1.71E-05	4.68E-07	1.12E-03	1.56E-03	1.11E-03	2.69E-07	0.00E+00	6.87E-08	2.58E-04	0.00E+00	0.00E+00	1.56E-03
95 ALL	645146.8	4248998	NonCancel	1.05E-03	1.19E-03	7.72E-06	1.60E-05	4.42E-07	1.05E-03	1.47E-03	1.05E-03	2.55E-07	0.00E+00	6.46E-08	2.44E-04	0.00E+00	0.00E+00	1.47E-03
96 ALL	645246.8	4248998	NonCancel	9.82E-04	1.12E-03	7.31E-06	1.47E-05	4.14E-07	9.89E-04	1.38E-03	9.81E-04	2.40E-07	0.00E+00	6.02E-08	2.29E-04	0.00E+00	0.00E+00	1.38E-03
97 ALL	645346.8	4248998	NonCancel	9.08E-04	1.04E-03	6.85E-06	1.33E-05	3.82E-07	9.15E-04	1.27E-03	9.08E-04	2.21E-07	0.00E+00	5.50E-08	2.13E-04	0.00E+00	0.00E+00	1.27E-03
98 ALL	642446.8	4249098	NonCancel	5.31E-04	6.14E-04	5.27E-06	3.67E-06	2.09E-07	5.33E-04	7.71E-04	5.31E-04	1.24E-07	0.00E+00	2.38E-08	1.36E-04	0.00E+00	0.00E+00	7.71E-04
99 ALL	642546.8	4249098	NonCancel	5.60E-04	6.48E-04	5.58E-06	3.85E-06	2.21E-07	5.63E-04	8.18E-04	5.60E-04	1.29E-07	0.00E+00	2.49E-08	1.43E-04	0.00E+00	0.00E+00	8.18E-04
100 ALL	642646.8	4249098	NonCancel	5.94E-04	6.87E-04	5.92E-06	4.05E-06	2.34E-07	5.97E-04	8.75E-04	5.94E-04	1.35E-07	0.00E+00	2.62E-08	1.52E-04	0.00E+00	0.00E+00	8.75E-04
101 ALL	642746.8	4249098	NonCancel	6.33E-04	7.32E-04	6.31E-06	4.30E-06	2.49E-07	6.36E-04	9.46E-04	6.33E-04	1.42E-07	0.00E+00	2.76E-08	1.62E-04	0.00E+00	0.00E+00	9.46E-04
102 ALL	642846.8	4249098	NonCancel	6.87E-04	7.95E-04	6.86E-06	4.65E-06	2.70E-0										

103	ALL	642946.8	4249098	NonCancel	7.35E-04	8.50E-04	7.32E-06	5.03E-06	2.89E-07	7.38E-04	1.20E-03	7.35E-04	1.62E-07	0.00E+00	3.18E-08	1.88E-04	0.00E+00	0.00E+00	1.20E-03
104	ALL	643046.8	4249098	NonCancel	7.84E-04	9.07E-04	7.77E-06	5.48E-06	3.08E-07	7.88E-04	1.38E-03	7.84E-04	1.71E-07	0.00E+00	3.40E-08	2.00E-04	0.00E+00	0.00E+00	1.38E-03
105	ALL	643146.8	4249098	NonCancel	8.34E-04	9.64E-04	8.22E-06	6.00E-06	3.28E-07	8.38E-04	1.70E-03	8.34E-04	1.79E-07	0.00E+00	3.62E-08	2.12E-04	0.00E+00	0.00E+00	1.70E-03
106	ALL	643246.8	4249098	NonCancel	8.79E-04	1.02E-03	8.59E-06	6.56E-06	3.46E-07	8.83E-04	2.66E-03	8.79E-04	1.86E-07	0.00E+00	3.83E-08	2.23E-04	0.00E+00	0.00E+00	2.66E-03
107	ALL	643346.8	4249098	NonCancel	9.15E-04	1.06E-03	8.84E-06	7.13E-06	3.61E-07	9.19E-04	1.93E-03	9.15E-04	1.92E-07	0.00E+00	4.02E-08	2.31E-04	0.00E+00	0.00E+00	1.93E-03
108	ALL	643446.8	4249098	NonCancel	9.40E-04	1.08E-03	8.96E-06	7.76E-06	3.73E-07	9.45E-04	1.63E-03	9.40E-04	1.97E-07	0.00E+00	4.20E-08	2.36E-04	0.00E+00	0.00E+00	1.63E-03
109	ALL	643546.8	4249098	NonCancel	9.59E-04	1.11E-03	8.93E-06	8.60E-06	3.83E-07	9.65E-04	1.56E-03	9.59E-04	2.06E-07	0.00E+00	4.47E-08	2.39E-04	0.00E+00	0.00E+00	1.56E-03
110	ALL	643646.8	4249098	NonCancel	9.83E-04	1.13E-03	8.83E-06	9.86E-06	3.97E-07	9.89E-04	1.54E-03	9.83E-04	2.21E-07	0.00E+00	4.90E-08	2.43E-04	0.00E+00	0.00E+00	1.54E-03
111	ALL	643746.8	4249098	NonCancel	1.04E-03	1.19E-03	8.90E-06	1.17E-05	4.23E-07	1.04E-03	1.58E-03	1.03E-03	2.43E-07	0.00E+00	5.54E-08	2.52E-04	0.00E+00	0.00E+00	1.58E-03
112	ALL	643846.8	4249098	NonCancel	1.14E-03	1.30E-03	9.30E-06	1.43E-05	4.71E-07	1.14E-03	1.70E-03	1.14E-03	2.77E-07	0.00E+00	6.49E-08	2.73E-04	0.00E+00	0.00E+00	1.70E-03
113	ALL	643946.8	4249098	NonCancel	1.24E-03	1.42E-03	9.62E-06	1.73E-05	5.20E-07	1.25E-03	1.82E-03	1.24E-03	3.10E-07	0.00E+00	7.51E-08	2.94E-04	0.00E+00	0.00E+00	1.82E-03
114	ALL	644046.8	4249098	NonCancel	1.37E-03	1.56E-03	1.02E-05	2.07E-05	5.81E-07	1.38E-03	1.99E-03	1.37E-03	3.49E-07	0.00E+00	8.69E-08	3.21E-04	0.00E+00	0.00E+00	1.99E-03
115	ALL	644146.8	4249098	NonCancel	1.51E-03	1.72E-03	1.08E-05	2.38E-05	6.41E-07	1.52E-03	2.16E-03	1.50E-03	3.83E-07	0.00E+00	9.73E-08	3.49E-04	0.00E+00	0.00E+00	2.16E-03
116	ALL	644246.8	4249098	NonCancel	1.61E-03	1.84E-03	1.15E-05	2.59E-05	6.87E-07	1.62E-03	2.30E-03	1.61E-03	4.05E-07	0.00E+00	1.04E-07	3.73E-04	0.00E+00	0.00E+00	2.30E-03
117	ALL	644346.8	4249098	NonCancel	1.66E-03	1.89E-03	1.18E-05	2.66E-05	7.06E-07	1.67E-03	2.36E-03	1.66E-03	4.11E-07	0.00E+00	1.06E-07	3.84E-04	0.00E+00	0.00E+00	2.36E-03
118	ALL	644446.8	4249098	NonCancel	1.65E-03	1.88E-03	1.18E-05	2.61E-05	6.99E-07	1.66E-03	2.33E-03	1.65E-03	4.00E-07	0.00E+00	1.04E-07	3.81E-04	0.00E+00	0.00E+00	2.33E-03
119	ALL	644546.8	4249098	NonCancel	1.58E-03	1.81E-03	1.15E-05	2.48E-05	6.70E-07	1.60E-03	2.24E-03	1.58E-03	3.80E-07	0.00E+00	9.84E-08	3.67E-04	0.00E+00	0.00E+00	2.24E-03
120	ALL	644646.8	4249098	NonCancel	1.49E-03	1.70E-03	1.09E-05	2.31E-05	6.30E-07	1.50E-03	2.10E-03	1.49E-03	3.57E-07	0.00E+00	9.22E-08	3.46E-04	0.00E+00	0.00E+00	2.10E-03
121	ALL	644746.8	4249098	NonCancel	1.39E-03	1.59E-03	1.02E-05	2.14E-05	5.89E-07	1.40E-03	1.96E-03	1.39E-03	3.35E-07	0.00E+00	8.59E-08	3.24E-04	0.00E+00	0.00E+00	1.96E-03
122	ALL	644846.8	4249098	NonCancel	1.30E-03	1.48E-03	9.60E-06	1.98E-05	5.49E-07	1.31E-03	1.83E-03	1.30E-03	3.13E-07	0.00E+00	7.98E-08	3.03E-04	0.00E+00	0.00E+00	1.83E-03
123	ALL	644946.8	4249098	NonCancel	1.21E-03	1.38E-03	9.02E-06	1.82E-05	5.10E-07	1.22E-03	1.71E-03	1.21E-03	2.92E-07	0.00E+00	7.38E-08	2.83E-04	0.00E+00	0.00E+00	1.71E-03
124	ALL	645046.8	4249098	NonCancel	1.13E-03	1.29E-03	8.49E-06	1.66E-05	4.74E-07	1.14E-03	1.59E-03	1.13E-03	2.71E-07	0.00E+00	6.81E-08	2.64E-04	0.00E+00	0.00E+00	1.59E-03
125	ALL	645146.8	4249098	NonCancel	1.05E-03	1.20E-03	8.00E-06	1.53E-05	4.41E-07	1.06E-03	1.48E-03	1.05E-03	2.54E-07	0.00E+00	6.30E-08	2.47E-04	0.00E+00	0.00E+00	1.48E-03
126	ALL	645246.8	4249098	NonCancel	9.81E-04	1.12E-03	7.54E-06	1.40E-05	4.11E-07	9.88E-04	1.38E-03	9.81E-04	2.37E-07	0.00E+00	5.83E-08	2.31E-04	0.00E+00	0.00E+00	1.38E-03
127	ALL	645346.8	4249098	NonCancel	9.17E-04	1.05E-03	7.11E-06	1.29E-05	3.83E-07	9.24E-04	1.29E-03	9.17E-04	2.22E-07	0.00E+00	5.42E-08	2.16E-04	0.00E+00	0.00E+00	1.29E-03
128	ALL	642446.8	4249198	NonCancel	5.50E-04	6.36E-04	5.50E-06	3.70E-06	2.17E-07	5.52E-04	8.00E-04	5.50E-04	1.28E-07	0.00E+00	2.44E-08	1.41E-04	0.00E+00	0.00E+00	8.00E-04
129	ALL	642546.8	4249198	NonCancel	5.83E-04	6.74E-04	5.84E-06	3.88E-06	2.29E-07	5.86E-04	8.53E-04	5.83E-04	1.33E-07	0.00E+00	2.55E-08	1.49E-04	0.00E+00	0.00E+00	8.53E-04
130	ALL	642646.8	4249198	NonCancel	6.18E-04	7.15E-04	6.20E-06	4.10E-06	2.43E-07	6.21E-04	9.12E-04	6.18E-04	1.39E-07	0.00E+00	2.69E-08	1.58E-04	0.00E+00	0.00E+00	9.12E-04
131	ALL	642746.8	4249198	NonCancel	6.62E-04	7.66E-04	6.64E-06	4.37E-06	2.60E-07	6.65E-04	9.89E-04	6.62E-04	1.47E-07	0.00E+00	2.86E-08	1.70E-04	0.00E+00	0.00E+00	9.89E-04
132	ALL	642846.8	4249198	NonCancel	7.20E-04	8.33E-04	7.23E-06	4.73E-06	2.82E-07	7.23E-04	1.10E-03	7.20E-04	1.58E-07	0.00E+00	3.08E-08	1.84E-04	0.00E+00	0.00E+00	1.10E-03
133	ALL	642946.8	4249198	NonCancel	7.72E-04	8.93E-04	7.74E-06	5.11E-06	3.03E-07	7.75E-04	1.22E-03	7.72E-04	1.67E-07	0.00E+00	3.29E-08	1.97E-04	0.00E+00	0.00E+00	1.22E-03
134	ALL	643046.8	4249198	NonCancel	8.26E-04	9.55E-04	8.24E-06	5.60E-06	3.24E-07	8.29E-04	1.38E-03	8.26E-04	1.76E-07	0.00E+00	3.52E-08	2.11E-04	0.00E+00	0.00E+00	1.38E-03
135	ALL	643146.8	4249198	NonCancel	8.82E-04	1.02E-03	8.74E-06	6.17E-06	3.46E-07	8.86E-04	1.55E-03	8.81E-04	1.86E-07	0.00E+00	3.77E-08	2.25E-04	0.00E+00	0.00E+00	1.55E-03
136	ALL	643246.8	4249198	NonCancel	9.35E-04	1.08E-03	9.19E-06	6.79E-06	3.68E-07	9.40E-04	1.88E-03	9.35E-04	1.94E-07	0.00E+00	4.02E-08	2.37E-04	0.00E+00	0.00E+00	1.88E-03
137	ALL	643346.8	4249198	NonCancel	9.82E-04	1.13E-03	9.55E-06	7.47E-06	3.87E-07	9.87E-04	2.52E-03	9.82E-04	2.02E-07	0.00E+00	4.25E-08	2.48E-04	0.00E+00	0.00E+00	2.52E-03
138	ALL	643446.8	4249198	NonCancel	1.01E-03	1.17E-03	9.72E-06	8.20E-06	4.01E-07	1.02E-03	2.42E-03	1.01E-03	2.09E-07	0.00E+00	4.46E-08	2.55E-04	0.00E+00	0.00E+00	2.42E-03
139	ALL	643546.8	4249198	NonCancel	1.04E-03	1.20E-03	9.74E-06	9.21E-06	4.15E-07	1.05E-03	1.77E-03	1.04E-03	2.21E-07	0.00E+00	4.80E-08	2.60E-04	0.00E+00	0.00E+00	1.77E-03
140	ALL	643646.8	4249198	NonCancel	1.07E-03	1.23E-03	9.64E-06	1.07E-05	4.32E-07	1.08E-03	1.73E-03	1.07E-03	2.38E-07	0.00E+00	5.32E-08	2.65E-04	0.00E+00	0.00E+00	1.73E-03
141	ALL	643746.8	4249198	NonCancel	1.13E-03	1.30E-03	9.71E-06	1.29E-05	4.63E-07	1.14E-03	1.76E-03	1.13E-03	2.64E-07	0.00E+00	6.07E-08	2.76E-04	0.00E+00	0.00E+00	1.76E-03
142	ALL	643846.8	4249198	NonCancel	1.26E-03	1.44E-03	1.02E-05	1.60E-05	5.21E-07	1.26E-03	1.89E-03	1.26E-03	3.06E-07	0.00E+00	7.22E-08	3.01E-04	0.00E+00	0.00E+00	1.89E-03
143	ALL	643946.8	4249198	NonCancel	1.39E-03	1.59E-03	1.07E-05	1.97E-05	5.83E-07	1.40E-03	2.05E-03	1.39E-03	3.48E-07	0.00E+00	8.49E-08	3.28E-04	0.00E+00	0.00E+00	2.05E-03
144	ALL	644046.8	4249198	NonCancel	1.54E-03	1.75E-03	1.13E-05	2.34E-05	6.52E-07	1.55E-03	2.24E-03	1.54E-03	3.90E-07	0.00E+00	9.77E-08	3.59E-04	0.00E+00	0.00E+00	2.24E-03
145	ALL	644146.8	4249198	NonCancel	1.68E-03	1.92E-03	1.21E-05	2.65E-05	7.15E-07	1.69E-03	2.42E-03	1.68E-03	4.23E-07	0.00E+00	1.08E-07	3.90E-04	0.00E+00	0.00E+00	2.42E-03
146	ALL	644246.8	4249198	NonCancel	1.78E-03	2.03E-03	1.28E-05	2.81E-05	7.55E-07	1.79E-03	2.54E-03	1.78E-03	4.40E-07	0.00E+00	1.13E-07	4.12E-04	0.00E+00	0.00E+00	2.54E-03
147	ALL	644346.8	4249198	NonCancel	1.80E-03	2.05E-03	1.31E-05	2.80E-05	7.61E-07	1.81E-03	2.56E-03	1.80E-03	4.35E-07	0.00E+00	1.12E-07	4.17E-04	0.00E+00	0.00E+00	2.56E-03
148	ALL	644446.8	4249198	NonCancel	1.75E-03	1.99E-03	1.28E-05	2.68E-05	7.37E-07	1.76E-03	2.48E-03	1.75E-03	4.16E-07	0.00E+00	1.07E-07	4.06E-04	0.00E+00	0.00E+00	2.48E-03
149	ALL	644546.8	4249198	NonCancel	1.65E-03	1.88E-03	1.22E-05	2.50E-05	6.95E-07	1.66E-03	2.34E-03	1.65E-03	3.91E-07	0.00E+00	1.00E-07	3.85E-04	0.00E+00	0.00E+00	2.34E-03
150	ALL	644646.8	4249198	NonCancel	1.54E-03	1.76E-03	1.15E-05	2.31E-05	6.47E-07	1.55E-03	2.17E-03	1.54E-03	3.64E-07	0.00E+00	9.30E-08	3.59E-04	0.00E+00	0.00E+00	2.17E-03
151	ALL	644746.8	4249198	NonCancel	1.43E-03	1.63E-03	1.07E-05	2.12E-05	6.00E-07	1.44E-03	2.02E-03	1.43E-03	3.39E-07	0.00E+00	8.60E-08	3.34E-04	0.00E+00	0.00E+00	2.02E-03
152	ALL	644846.8	4249198	NonCancel	1.33E-03	1.52E-03	1.01E-05	1.94E-05	5.56E-07	1.34E-03	1.87E-03	1.33E-03	3.15E-07	0.00E+00	7.93E-08	3.11E-04	0.00E+00	0.00E+00	1.87E-03
153	ALL	644946.8	4249198	NonCancel</															

155 ALL	645146.8	4249198	NonCancel	1.06E-03	1.21E-03	8.31E-06	1.45E-05	4.41E-07	1.07E-03	1.49E-03	1.06E-03	2.53E-07	0.00E+00	6.15E-08	2.51E-04	0.00E+00	0.00E+00	1.49E-03
156 ALL	645246.8	4249198	NonCancel	9.83E-04	1.12E-03	7.79E-06	1.32E-05	4.09E-07	9.90E-04	1.38E-03	9.83E-04	2.35E-07	0.00E+00	5.66E-08	2.33E-04	0.00E+00	0.00E+00	1.38E-03
157 ALL	645346.8	4249198	NonCancel	9.15E-04	1.05E-03	7.30E-06	1.21E-05	3.80E-07	9.21E-04	1.29E-03	9.15E-04	2.20E-07	0.00E+00	5.24E-08	2.18E-04	0.00E+00	0.00E+00	1.29E-03
158 ALL	642446.8	4249298	NonCancel	5.70E-04	6.59E-04	5.72E-06	3.74E-06	2.24E-07	5.72E-04	8.31E-04	5.70E-04	1.32E-07	0.00E+00	2.51E-08	1.46E-04	0.00E+00	0.00E+00	8.31E-04
159 ALL	642546.8	4249298	NonCancel	6.07E-04	7.02E-04	6.12E-06	3.92E-06	2.38E-07	6.10E-04	8.89E-04	6.07E-04	1.38E-07	0.00E+00	2.63E-08	1.56E-04	0.00E+00	0.00E+00	8.89E-04
160 ALL	642646.8	4249298	NonCancel	6.47E-04	7.48E-04	6.52E-06	4.16E-06	2.54E-07	6.50E-04	9.54E-04	6.47E-04	1.44E-07	0.00E+00	2.77E-08	1.66E-04	0.00E+00	0.00E+00	9.54E-04
161 ALL	642746.8	4249298	NonCancel	7.01E-04	8.11E-04	7.08E-06	4.48E-06	2.75E-07	7.04E-04	1.05E-03	7.01E-04	1.55E-07	0.00E+00	2.99E-08	1.80E-04	0.00E+00	0.00E+00	1.05E-03
162 ALL	642846.8	4249298	NonCancel	7.52E-04	8.69E-04	7.59E-06	4.80E-06	2.94E-07	7.55E-04	1.14E-03	7.51E-04	1.62E-07	0.00E+00	3.18E-08	1.93E-04	0.00E+00	0.00E+00	1.14E-03
163 ALL	642946.8	4249298	NonCancel	8.08E-04	9.35E-04	8.14E-06	5.21E-06	3.16E-07	8.11E-04	1.26E-03	8.08E-04	1.71E-07	0.00E+00	3.39E-08	2.07E-04	0.00E+00	0.00E+00	1.26E-03
164 ALL	643046.8	4249298	NonCancel	8.68E-04	1.00E-03	8.71E-06	5.72E-06	3.40E-07	8.72E-04	1.40E-03	8.68E-04	1.81E-07	0.00E+00	3.64E-08	2.22E-04	0.00E+00	0.00E+00	1.40E-03
165 ALL	643146.8	4249298	NonCancel	9.35E-04	1.08E-03	9.32E-06	6.36E-06	3.66E-07	9.39E-04	1.56E-03	9.35E-04	1.93E-07	0.00E+00	3.94E-08	2.39E-04	0.00E+00	0.00E+00	1.56E-03
166 ALL	643246.8	4249298	NonCancel	1.00E-03	1.16E-03	9.90E-06	7.08E-06	3.93E-07	1.01E-03	1.76E-03	1.00E-03	2.04E-07	0.00E+00	4.24E-08	2.55E-04	0.00E+00	0.00E+00	1.76E-03
167 ALL	643346.8	4249298	NonCancel	1.06E-03	1.22E-03	1.04E-05	7.86E-06	4.16E-07	1.06E-03	1.99E-03	1.06E-03	2.14E-07	0.00E+00	4.51E-08	2.68E-04	0.00E+00	0.00E+00	1.99E-03
168 ALL	643446.8	4249298	NonCancel	1.10E-03	1.27E-03	1.06E-05	8.72E-06	4.34E-07	1.11E-03	2.27E-03	1.10E-03	2.22E-07	0.00E+00	4.77E-08	2.77E-04	0.00E+00	0.00E+00	2.27E-03
169 ALL	643546.8	4249298	NonCancel	1.14E-03	1.31E-03	1.07E-05	9.93E-06	4.53E-07	1.14E-03	2.74E-03	1.14E-03	2.37E-07	0.00E+00	5.19E-08	2.84E-04	0.00E+00	0.00E+00	2.74E-03
170 ALL	643646.8	4249298	NonCancel	1.18E-03	1.36E-03	1.06E-05	1.18E-05	4.76E-07	1.19E-03	1.98E-03	1.18E-03	2.60E-07	0.00E+00	5.84E-08	2.91E-04	0.00E+00	0.00E+00	1.98E-03
171 ALL	643746.8	4249298	NonCancel	1.25E-03	1.44E-03	1.07E-05	1.44E-05	5.12E-07	1.26E-03	1.99E-03	1.25E-03	2.90E-07	0.00E+00	6.74E-08	3.04E-04	0.00E+00	0.00E+00	1.99E-03
172 ALL	643846.8	4249298	NonCancel	1.40E-03	1.61E-03	1.13E-05	1.82E-05	5.83E-07	1.41E-03	2.14E-03	1.40E-03	3.41E-07	0.00E+00	8.15E-08	3.36E-04	0.00E+00	0.00E+00	2.14E-03
173 ALL	643946.8	4249298	NonCancel	1.57E-03	1.79E-03	1.20E-05	2.26E-05	6.60E-07	1.58E-03	2.33E-03	1.57E-03	3.93E-07	0.00E+00	9.67E-08	3.70E-04	0.00E+00	0.00E+00	2.33E-03
174 ALL	644046.8	4249298	NonCancel	1.74E-03	1.99E-03	1.28E-05	2.67E-05	7.38E-07	1.75E-03	2.54E-03	1.74E-03	4.38E-07	0.00E+00	1.11E-07	4.06E-04	0.00E+00	0.00E+00	2.54E-03
175 ALL	644146.8	4249298	NonCancel	1.88E-03	2.15E-03	1.37E-05	2.93E-05	7.99E-07	1.90E-03	2.72E-03	1.88E-03	4.67E-07	0.00E+00	1.20E-07	4.38E-04	0.00E+00	0.00E+00	2.72E-03
176 ALL	644246.8	4249298	NonCancel	1.95E-03	2.23E-03	1.43E-05	3.01E-05	8.27E-07	1.97E-03	2.80E-03	1.95E-03	4.74E-07	0.00E+00	1.22E-07	4.55E-04	0.00E+00	0.00E+00	2.80E-03
177 ALL	644346.8	4249298	NonCancel	1.93E-03	2.21E-03	1.44E-05	2.92E-05	8.14E-07	1.95E-03	2.75E-03	1.93E-03	4.58E-07	0.00E+00	1.18E-07	4.51E-04	0.00E+00	0.00E+00	2.75E-03
178 ALL	644446.8	4249298	NonCancel	1.84E-03	2.10E-03	1.38E-05	2.72E-05	7.73E-07	1.86E-03	2.61E-03	1.84E-03	4.30E-07	0.00E+00	1.10E-07	4.31E-04	0.00E+00	0.00E+00	2.61E-03
179 ALL	644546.8	4249298	NonCancel	1.71E-03	1.96E-03	1.30E-05	2.50E-05	7.18E-07	1.73E-03	2.43E-03	1.71E-03	3.99E-07	0.00E+00	1.02E-07	4.02E-04	0.00E+00	0.00E+00	2.43E-03
180 ALL	644646.8	4249298	NonCancel	1.58E-03	1.81E-03	1.21E-05	2.28E-05	6.62E-07	1.59E-03	2.24E-03	1.58E-03	3.70E-07	0.00E+00	9.32E-08	3.72E-04	0.00E+00	0.00E+00	2.24E-03
181 ALL	644746.8	4249298	NonCancel	1.46E-03	1.67E-03	1.13E-05	2.07E-05	6.10E-07	1.47E-03	2.06E-03	1.46E-03	3.42E-07	0.00E+00	8.54E-08	3.44E-04	0.00E+00	0.00E+00	2.06E-03
182 ALL	644846.8	4249298	NonCancel	1.35E-03	1.54E-03	1.05E-05	1.86E-05	5.61E-07	1.36E-03	1.90E-03	1.35E-03	3.16E-07	0.00E+00	7.79E-08	3.19E-04	0.00E+00	0.00E+00	1.90E-03
183 ALL	644946.8	4249298	NonCancel	1.24E-03	1.42E-03	9.84E-06	1.68E-05	5.17E-07	1.25E-03	1.75E-03	1.24E-03	2.91E-07	0.00E+00	7.11E-08	2.95E-04	0.00E+00	0.00E+00	1.75E-03
184 ALL	645046.8	4249298	NonCancel	1.15E-03	1.31E-03	9.19E-06	1.51E-05	4.75E-07	1.15E-03	1.62E-03	1.15E-03	2.69E-07	0.00E+00	6.48E-08	2.73E-04	0.00E+00	0.00E+00	1.62E-03
185 ALL	645146.8	4249298	NonCancel	1.06E-03	1.21E-03	8.58E-06	1.37E-05	4.38E-07	1.07E-03	1.49E-03	1.06E-03	2.50E-07	0.00E+00	5.93E-08	2.53E-04	0.00E+00	0.00E+00	1.49E-03
186 ALL	645246.8	4249298	NonCancel	9.81E-04	1.12E-03	8.01E-06	1.24E-05	4.05E-07	9.87E-04	1.38E-03	9.80E-04	2.32E-07	0.00E+00	5.46E-08	2.35E-04	0.00E+00	0.00E+00	1.38E-03
187 ALL	645346.8	4249298	NonCancel	9.11E-04	1.04E-03	7.48E-06	1.14E-05	3.76E-07	9.17E-04	1.28E-03	9.11E-04	2.17E-07	0.00E+00	5.05E-08	2.19E-04	0.00E+00	0.00E+00	1.28E-03
188 ALL	642446.8	4249398	NonCancel	5.89E-04	6.82E-04	5.94E-06	3.79E-06	2.32E-07	5.92E-04	8.60E-04	5.89E-04	1.37E-07	0.00E+00	2.59E-08	1.51E-04	0.00E+00	0.00E+00	8.60E-04
189 ALL	642546.8	4249398	NonCancel	6.34E-04	7.34E-04	6.42E-06	3.99E-06	2.49E-07	6.37E-04	9.29E-04	6.34E-04	1.44E-07	0.00E+00	2.73E-08	1.63E-04	0.00E+00	0.00E+00	9.29E-04
190 ALL	642646.8	4249398	NonCancel	6.78E-04	7.84E-04	6.88E-06	4.22E-06	2.65E-07	6.81E-04	9.99E-04	6.78E-04	1.50E-07	0.00E+00	2.87E-08	1.74E-04	0.00E+00	0.00E+00	9.99E-04
191 ALL	642746.8	4249398	NonCancel	7.24E-04	8.38E-04	7.35E-06	4.51E-06	2.83E-07	7.27E-04	1.08E-03	7.24E-04	1.57E-07	0.00E+00	3.04E-08	1.86E-04	0.00E+00	0.00E+00	1.08E-03
192 ALL	642846.8	4249398	NonCancel	7.79E-04	9.02E-04	7.90E-06	4.86E-06	3.04E-07	7.82E-04	1.18E-03	7.79E-04	1.65E-07	0.00E+00	3.25E-08	2.00E-04	0.00E+00	0.00E+00	1.18E-03
193 ALL	642946.8	4249398	NonCancel	8.46E-04	9.79E-04	8.57E-06	5.31E-06	3.30E-07	8.49E-04	1.30E-03	8.46E-04	1.76E-07	0.00E+00	3.50E-08	2.17E-04	0.00E+00	0.00E+00	1.30E-03
194 ALL	643046.8	4249398	NonCancel	9.19E-04	1.06E-03	9.28E-06	5.89E-06	3.59E-07	9.23E-04	1.44E-03	9.19E-04	1.88E-07	0.00E+00	3.80E-08	2.36E-04	0.00E+00	0.00E+00	1.44E-03
195 ALL	643146.8	4249398	NonCancel	9.96E-04	1.15E-03	9.98E-06	6.60E-06	3.89E-07	1.00E-03	1.60E-03	9.96E-04	2.01E-07	0.00E+00	4.13E-08	2.55E-04	0.00E+00	0.00E+00	1.60E-03
196 ALL	643246.8	4249398	NonCancel	1.07E-03	1.24E-03	1.07E-05	7.42E-06	4.21E-07	1.08E-03	1.77E-03	1.07E-03	2.14E-07	0.00E+00	4.48E-08	2.74E-04	0.00E+00	0.00E+00	1.77E-03
197 ALL	643346.8	4249398	NonCancel	1.14E-03	1.32E-03	1.12E-05	8.33E-06	4.49E-07	1.15E-03	1.95E-03	1.14E-03	2.26E-07	0.00E+00	4.81E-08	2.90E-04	0.00E+00	0.00E+00	1.95E-03
198 ALL	643446.8	4249398	NonCancel	1.20E-03	1.39E-03	1.16E-05	9.37E-06	4.73E-07	1.21E-03	2.12E-03	1.20E-03	2.37E-07	0.00E+00	5.14E-08	3.03E-04	0.00E+00	0.00E+00	2.12E-03
199 ALL	643546.8	4249398	NonCancel	1.25E-03	1.44E-03	1.18E-05	1.08E-05	4.96E-07	1.26E-03	2.41E-03	1.25E-03	2.56E-07	0.00E+00	5.64E-08	3.12E-04	0.00E+00	0.00E+00	2.41E-03
200 ALL	643646.8	4249398	NonCancel	1.31E-03	1.51E-03	1.18E-05	1.31E-05	5.28E-07	1.32E-03	2.15E-03	1.31E-03	2.87E-07	0.00E+00	6.48E-08	3.23E-04	0.00E+00	0.00E+00	2.15E-03
201 ALL	643746.8	4249398	NonCancel	1.41E-03	1.62E-03	1.20E-05	1.65E-05	5.80E-07	1.42E-03	2.34E-03	1.41E-03	3.29E-07	0.00E+00	7.68E-08	3.43E-04	0.00E+00	0.00E+00	2.34E-03
202 ALL	643846.8	4249398	NonCancel	1.58E-03	1.81E-03	1.26E-05	2.11E-05	6.60E-07	1.59E-03	2.47E-03	1.58E-03	3.86E-07	0.00E+00	9.32E-08	3.78E-04	0.00E+00	0.00E+00	2.47E-03
203 ALL	643946.8	4249398	NonCancel	1.78E-03	2.04E-03	1.35E-05	2.62E-05	7.52E-07	1.80E-03	2.67E-03	1.78E-03	4.46E-07	0.00E+00	1.11E-07	4.19E-04	0.00E+00	0.00E+00	2.67E-03
204 ALL	644046.8	4249398	NonCancel	1.98E-03	2.26E-03	1.46E-05	3.03E-05	8.39E-07	1.99E-03	2.90E-03	1.98E-03	4.92E-07	0.00E+00	1.25E-07	4.62E-04	0.00E+00	0.00E+00	2.90E-03
205 ALL	644146.8	4249398	NonCancel	2.11E-03	2.41E-03	1.56E-05	3.23E-05	8.94E-07	2.13E-03	3.06E-03	2.11E-03	5.14E-07	0.00E+00	1.32E-07	4.93E-04	0.00E+00	0.00E+00	3.06E-03
206 ALL	644246.8	4249398	NonCancel	2.14E-03	2.44E-03	1.60E-05	3.20E-05	9.01E-07	2.16									

207 ALL	644346.8	4249398 NonCancel	2.07E-03	2.36E-03	1.57E-05	3.00E-05	8.65E-07	2.08E-03	2.95E-03	2.07E-03	4.77E-07	0.00E+00	1.22E-07	4.85E-04	0.00E+00	0.00E+00	2.95E-03
208 ALL	644446.8	4249398 NonCancel	1.93E-03	2.20E-03	1.48E-05	2.74E-05	8.04E-07	1.94E-03	2.74E-03	1.93E-03	4.41E-07	0.00E+00	1.12E-07	4.54E-04	0.00E+00	0.00E+00	2.74E-03
209 ALL	644546.8	4249398 NonCancel	1.77E-03	2.02E-03	1.38E-05	2.47E-05	7.38E-07	1.78E-03	2.51E-03	1.77E-03	4.06E-07	0.00E+00	1.02E-07	4.18E-04	0.00E+00	0.00E+00	2.51E-03
210 ALL	644646.8	4249398 NonCancel	1.62E-03	1.86E-03	1.28E-05	2.22E-05	6.75E-07	1.64E-03	2.30E-03	1.62E-03	3.73E-07	0.00E+00	9.27E-08	3.84E-04	0.00E+00	0.00E+00	2.30E-03
211 ALL	644746.8	4249398 NonCancel	1.49E-03	1.70E-03	1.18E-05	1.98E-05	6.17E-07	1.50E-03	2.11E-03	1.49E-03	3.42E-07	0.00E+00	8.39E-08	3.54E-04	0.00E+00	0.00E+00	2.11E-03
212 ALL	644846.8	4249398 NonCancel	1.36E-03	1.56E-03	1.10E-05	1.77E-05	5.63E-07	1.37E-03	1.93E-03	1.36E-03	3.14E-07	0.00E+00	7.58E-08	3.25E-04	0.00E+00	0.00E+00	1.93E-03
213 ALL	644946.8	4249398 NonCancel	1.25E-03	1.43E-03	1.02E-05	1.57E-05	5.15E-07	1.26E-03	1.77E-03	1.25E-03	2.88E-07	0.00E+00	6.86E-08	2.99E-04	0.00E+00	0.00E+00	1.77E-03
214 ALL	645046.8	4249398 NonCancel	1.11E-03	1.28E-03	9.19E-06	1.38E-05	4.58E-07	1.12E-03	1.58E-03	1.11E-03	2.56E-07	0.00E+00	6.07E-08	2.68E-04	0.00E+00	0.00E+00	1.58E-03
215 ALL	645146.8	4249398 NonCancel	1.04E-03	1.20E-03	8.70E-06	1.26E-05	4.28E-07	1.05E-03	1.47E-03	1.04E-03	2.41E-07	0.00E+00	5.63E-08	2.51E-04	0.00E+00	0.00E+00	1.47E-03
216 ALL	645246.8	4249398 NonCancel	9.77E-04	1.12E-03	8.21E-06	1.16E-05	4.01E-07	9.83E-04	1.38E-03	9.77E-04	2.28E-07	0.00E+00	5.25E-08	2.36E-04	0.00E+00	0.00E+00	1.38E-03
217 ALL	645346.8	4249398 NonCancel	9.07E-04	1.04E-03	7.64E-06	1.07E-05	3.72E-07	9.13E-04	1.28E-03	9.07E-04	2.13E-07	0.00E+00	4.88E-08	2.19E-04	0.00E+00	0.00E+00	1.28E-03
218 ALL	642446.8	4249498 NonCancel	6.08E-04	7.03E-04	6.15E-06	3.84E-06	2.39E-07	6.11E-04	8.88E-04	6.08E-04	1.41E-07	0.00E+00	2.67E-08	1.56E-04	0.00E+00	0.00E+00	8.88E-04
219 ALL	642546.8	4249498 NonCancel	6.60E-04	7.63E-04	6.71E-06	4.06E-06	2.58E-07	6.62E-04	9.67E-04	6.59E-04	1.50E-07	0.00E+00	2.83E-08	1.70E-04	0.00E+00	0.00E+00	9.67E-04
220 ALL	642646.8	4249498 NonCancel	7.11E-04	8.23E-04	7.25E-06	4.30E-06	2.78E-07	7.14E-04	1.05E-03	7.11E-04	1.57E-07	0.00E+00	2.99E-08	1.83E-04	0.00E+00	0.00E+00	1.05E-03
221 ALL	642746.8	4249498 NonCancel	7.64E-04	8.84E-04	7.79E-06	4.61E-06	2.98E-07	7.67E-04	1.14E-03	7.63E-04	1.63E-07	0.00E+00	3.17E-08	1.97E-04	0.00E+00	0.00E+00	1.14E-03
222 ALL	642846.8	4249498 NonCancel	8.22E-04	9.51E-04	8.38E-06	4.99E-06	3.20E-07	8.25E-04	1.24E-03	8.22E-04	1.72E-07	0.00E+00	3.38E-08	2.12E-04	0.00E+00	0.00E+00	1.24E-03
223 ALL	642946.8	4249498 NonCancel	8.91E-04	1.03E-03	9.07E-06	5.46E-06	3.47E-07	8.95E-04	1.36E-03	8.91E-04	1.82E-07	0.00E+00	3.65E-08	2.29E-04	0.00E+00	0.00E+00	1.36E-03
224 ALL	643046.8	4249498 NonCancel	9.74E-04	1.13E-03	9.87E-06	6.08E-06	3.79E-07	9.78E-04	1.51E-03	9.73E-04	1.95E-07	0.00E+00	3.96E-08	2.50E-04	0.00E+00	0.00E+00	1.51E-03
225 ALL	643146.8	4249498 NonCancel	1.06E-03	1.23E-03	1.07E-05	6.86E-06	4.14E-07	1.07E-03	1.67E-03	1.06E-03	2.10E-07	0.00E+00	4.34E-08	2.72E-04	0.00E+00	0.00E+00	1.67E-03
226 ALL	643246.8	4249498 NonCancel	1.16E-03	1.34E-03	1.15E-05	7.82E-06	4.52E-07	1.16E-03	1.84E-03	1.16E-03	2.26E-07	0.00E+00	4.76E-08	2.95E-04	0.00E+00	0.00E+00	1.84E-03
227 ALL	643346.8	4249498 NonCancel	1.24E-03	1.44E-03	1.23E-05	8.89E-06	4.87E-07	1.25E-03	2.01E-03	1.24E-03	2.40E-07	0.00E+00	5.16E-08	3.16E-04	0.00E+00	0.00E+00	2.01E-03
228 ALL	643446.8	4249498 NonCancel	1.32E-03	1.52E-03	1.28E-05	1.01E-05	5.19E-07	1.33E-03	2.18E-03	1.32E-03	2.55E-07	0.00E+00	5.58E-08	3.33E-04	0.00E+00	0.00E+00	2.18E-03
229 ALL	643546.8	4249498 NonCancel	1.38E-03	1.59E-03	1.30E-05	1.19E-05	5.49E-07	1.39E-03	2.34E-03	1.38E-03	2.78E-07	0.00E+00	6.20E-08	3.46E-04	0.00E+00	0.00E+00	2.34E-03
230 ALL	643646.8	4249498 NonCancel	1.46E-03	1.68E-03	1.31E-05	1.48E-05	5.89E-07	1.47E-03	2.66E-03	1.46E-03	3.17E-07	0.00E+00	7.25E-08	3.60E-04	0.00E+00	0.00E+00	2.66E-03
231 ALL	643746.8	4249498 NonCancel	1.60E-03	1.83E-03	1.34E-05	1.91E-05	6.57E-07	1.61E-03	2.51E-03	1.60E-03	3.72E-07	0.00E+00	8.80E-08	3.86E-04	0.00E+00	0.00E+00	2.51E-03
232 ALL	643846.8	4249498 NonCancel	1.81E-03	2.07E-03	1.42E-05	2.48E-05	7.57E-07	1.82E-03	2.91E-03	1.81E-03	4.42E-07	0.00E+00	1.08E-07	4.30E-04	0.00E+00	0.00E+00	2.91E-03
233 ALL	643946.8	4249498 NonCancel	2.05E-03	2.34E-03	1.54E-05	3.05E-05	8.67E-07	2.07E-03	3.13E-03	2.05E-03	5.10E-07	0.00E+00	1.28E-07	4.81E-04	0.00E+00	0.00E+00	3.13E-03
234 ALL	644046.8	4249498 NonCancel	2.27E-03	2.59E-03	1.67E-05	3.44E-05	9.58E-07	2.28E-03	3.35E-03	2.27E-03	5.55E-07	0.00E+00	1.42E-07	5.29E-04	0.00E+00	0.00E+00	3.35E-03
235 ALL	644146.8	4249498 NonCancel	2.37E-03	2.70E-03	1.77E-05	3.52E-05	9.96E-07	2.38E-03	3.44E-03	2.37E-03	5.61E-07	0.00E+00	1.44E-07	5.54E-04	0.00E+00	0.00E+00	3.44E-03
236 ALL	644246.8	4249498 NonCancel	2.33E-03	2.66E-03	1.78E-05	3.34E-05	9.74E-07	2.35E-03	3.35E-03	2.33E-03	5.34E-07	0.00E+00	1.37E-07	5.48E-04	0.00E+00	0.00E+00	3.35E-03
237 ALL	644346.8	4249498 NonCancel	2.19E-03	2.50E-03	1.71E-05	3.04E-05	9.11E-07	2.21E-03	3.13E-03	2.19E-03	4.93E-07	0.00E+00	1.25E-07	5.17E-04	0.00E+00	0.00E+00	3.13E-03
238 ALL	644446.8	4249498 NonCancel	2.01E-03	2.29E-03	1.58E-05	2.72E-05	8.32E-07	2.02E-03	2.86E-03	2.00E-03	4.51E-07	0.00E+00	1.13E-07	4.75E-04	0.00E+00	0.00E+00	2.86E-03
239 ALL	644546.8	4249498 NonCancel	1.82E-03	2.09E-03	1.46E-05	2.42E-05	7.54E-07	1.84E-03	2.59E-03	1.82E-03	4.11E-07	0.00E+00	1.02E-07	4.34E-04	0.00E+00	0.00E+00	2.59E-03
240 ALL	644646.8	4249498 NonCancel	1.66E-03	1.90E-03	1.35E-05	2.13E-05	6.84E-07	1.67E-03	2.35E-03	1.66E-03	3.74E-07	0.00E+00	9.11E-08	3.96E-04	0.00E+00	0.00E+00	2.35E-03
241 ALL	644746.8	4249498 NonCancel	1.51E-03	1.73E-03	1.24E-05	1.87E-05	6.20E-07	1.52E-03	2.14E-03	1.51E-03	3.40E-07	0.00E+00	8.15E-08	3.62E-04	0.00E+00	0.00E+00	2.14E-03
242 ALL	644846.8	4249498 NonCancel	1.37E-03	1.57E-03	1.15E-05	1.65E-05	5.62E-07	1.38E-03	1.94E-03	1.37E-03	3.10E-07	0.00E+00	7.30E-08	3.31E-04	0.00E+00	0.00E+00	1.94E-03
243 ALL	644946.8	4249498 NonCancel	1.25E-03	1.44E-03	1.06E-05	1.46E-05	5.11E-07	1.26E-03	1.77E-03	1.25E-03	2.84E-07	0.00E+00	6.58E-08	3.03E-04	0.00E+00	0.00E+00	1.77E-03
244 ALL	645046.8	4249498 NonCancel	1.12E-03	1.28E-03	9.54E-06	1.29E-05	4.57E-07	1.13E-03	1.59E-03	1.12E-03	2.53E-07	0.00E+00	5.85E-08	2.71E-04	0.00E+00	0.00E+00	1.59E-03
245 ALL	645146.8	4249498 NonCancel	1.04E-03	1.19E-03	8.93E-06	1.17E-05	4.24E-07	1.05E-03	1.47E-03	1.04E-03	2.37E-07	0.00E+00	5.40E-08	2.53E-04	0.00E+00	0.00E+00	1.47E-03
246 ALL	645246.8	4249498 NonCancel	9.70E-04	1.11E-03	8.36E-06	1.09E-05	3.95E-07	9.76E-04	1.37E-03	9.70E-04	2.24E-07	0.00E+00	5.05E-08	2.36E-04	0.00E+00	0.00E+00	1.37E-03
247 ALL	645346.8	4249498 NonCancel	8.99E-04	1.03E-03	7.73E-06	1.01E-05	3.67E-07	9.05E-04	1.27E-03	8.99E-04	2.09E-07	0.00E+00	4.70E-08	2.19E-04	0.00E+00	0.00E+00	1.27E-03
248 ALL	642446.8	4249598 NonCancel	6.21E-04	7.19E-04	6.30E-06	3.89E-06	2.44E-07	6.24E-04	9.08E-04	6.21E-04	1.44E-07	0.00E+00	2.73E-08	1.60E-04	0.00E+00	0.00E+00	9.08E-04
249 ALL	642546.8	4249598 NonCancel	6.80E-04	7.87E-04	6.93E-06	4.12E-06	2.66E-07	6.83E-04	9.98E-04	6.80E-04	1.54E-07	0.00E+00	2.92E-08	1.75E-04	0.00E+00	0.00E+00	9.98E-04
250 ALL	642646.8	4249598 NonCancel	7.41E-04	8.58E-04	7.59E-06	4.39E-06	2.89E-07	7.44E-04	1.09E-03	7.41E-04	1.63E-07	0.00E+00	3.11E-08	1.91E-04	0.00E+00	0.00E+00	1.09E-03
251 ALL	642746.8	4249598 NonCancel	8.04E-04	9.30E-04	8.24E-06	4.71E-06	3.13E-07	8.07E-04	1.19E-03	8.03E-04	1.71E-07	0.00E+00	3.30E-08	2.07E-04	0.00E+00	0.00E+00	1.19E-03
252 ALL	642846.8	4249598 NonCancel	8.69E-04	1.01E-03	8.90E-06	5.13E-06	3.38E-07	8.72E-04	1.30E-03	8.69E-04	1.79E-07	0.00E+00	3.53E-08	2.24E-04	0.00E+00	0.00E+00	1.30E-03
253 ALL	642946.8	4249598 NonCancel	9.44E-04	1.09E-03	9.64E-06	5.64E-06	3.67E-07	9.47E-04	1.43E-03	9.43E-04	1.89E-07	0.00E+00	3.82E-08	2.43E-04	0.00E+00	0.00E+00	1.43E-03
254 ALL	643046.8	4249598 NonCancel	1.03E-03	1.19E-03	1.05E-05	6.31E-06	4.02E-07	1.04E-03	1.58E-03	1.03E-03	2.02E-07	0.00E+00	4.15E-08	2.66E-04	0.00E+00	0.00E+00	1.58E-03
255 ALL	643146.8	4249598 NonCancel	1.14E-03	1.32E-03	1.15E-05	7.19E-06	4.43E-07	1.14E-03	1.75E-03	1.14E-03	2.19E-07	0.00E+00	4.59E-08	2.92E-04	0.00E+00	0.00E+00	1.75E-03
256 ALL	643246.8	4249598 NonCancel	1.25E-03	1.44E-03	1.25E-05	8.29E-06	4.86E-07	1.25E-03	1.94E-03	1.25E-03	2.37E-07	0.00E+00	5.08E-08	3.19E-04	0.00E+00	0.00E+00	1.94E-03
257 ALL	643346.8	4249598 NonCancel	1.36E-03	1.57E-03	1.34E-05	9.58E-06	5.31E-07	1.36E-03	2.13E-03	1.36E-03	2.55E-07	0.00E+00	5.58E-08	3.45E-04	0.00E+00	0.00E+00	2.13E-03
258 ALL	643446.8	4249598 NonCancel	1.46E-03	1.68E-03	1.42E-05	1.11E-05	5.72E-07	1.46E-03	2.30E-03	1.46E-03	2.75E-07	0.00E+00	6.11E-08	3.68E-04	0.00E+00	0.00E+00	2.30E-03

259	ALL	643546.8	4249598	NonCancel	1.54E-03	1.78E-03	1.45E-05	1.33E-05	6.11E-07	1.55E-03	2.48E-03	1.54E-03	3.04E-07	0.00E+00	6.88E-08	3.85E-04	0.00E+00	0.00E+00	2.48E-03
260	ALL	643646.8	4249598	NonCancel	1.64E-03	1.89E-03	1.46E-05	1.70E-05	6.63E-07	1.65E-03	2.70E-03	1.64E-03	3.54E-07	0.00E+00	8.23E-08	4.03E-04	0.00E+00	0.00E+00	2.70E-03
261	ALL	643746.8	4249598	NonCancel	1.82E-03	2.09E-03	1.50E-05	2.26E-05	7.53E-07	1.83E-03	3.17E-03	1.82E-03	4.26E-07	0.00E+00	1.03E-07	4.40E-04	0.00E+00	0.00E+00	3.17E-03
262	ALL	643846.8	4249598	NonCancel	2.10E-03	2.40E-03	1.62E-05	2.96E-05	8.81E-07	2.11E-03	3.36E-03	2.10E-03	5.14E-07	0.00E+00	1.28E-07	4.96E-04	0.00E+00	0.00E+00	3.36E-03
263	ALL	643946.8	4249598	NonCancel	2.39E-03	2.73E-03	1.78E-05	3.59E-05	1.01E-06	2.41E-03	3.73E-03	2.39E-03	5.88E-07	0.00E+00	1.50E-07	5.59E-04	0.00E+00	0.00E+00	3.73E-03
264	ALL	644046.8	4249598	NonCancel	2.59E-03	2.96E-03	1.94E-05	3.77E-05	1.09E-06	2.61E-03	3.88E-03	2.59E-03	6.20E-07	0.00E+00	1.59E-07	6.08E-04	0.00E+00	0.00E+00	3.88E-03
265	ALL	644146.8	4249598	NonCancel	2.64E-03	3.01E-03	2.02E-05	3.87E-05	1.10E-06	2.65E-03	3.86E-03	2.63E-03	6.03E-07	0.00E+00	1.55E-07	6.20E-04	0.00E+00	0.00E+00	3.86E-03
266	ALL	644246.8	4249598	NonCancel	2.51E-03	2.88E-03	1.98E-05	3.43E-05	1.04E-06	2.53E-03	3.63E-03	2.51E-03	5.58E-07	0.00E+00	1.42E-07	5.95E-04	0.00E+00	0.00E+00	3.63E-03
267	ALL	644346.8	4249598	NonCancel	2.30E-03	2.63E-03	1.84E-05	3.04E-05	9.51E-07	2.32E-03	3.30E-03	2.30E-03	5.06E-07	0.00E+00	1.27E-07	5.47E-04	0.00E+00	0.00E+00	3.30E-03
268	ALL	644446.8	4249598	NonCancel	2.08E-03	2.38E-03	1.69E-05	2.66E-05	8.55E-07	2.09E-03	2.96E-03	2.08E-03	4.57E-07	0.00E+00	1.13E-07	4.96E-04	0.00E+00	0.00E+00	2.96E-03
269	ALL	644546.8	4249598	NonCancel	1.87E-03	2.14E-03	1.54E-05	2.31E-05	7.67E-07	1.88E-03	2.66E-03	1.87E-03	4.12E-07	0.00E+00	9.98E-08	4.49E-04	0.00E+00	0.00E+00	2.66E-03
270	ALL	644646.8	4249598	NonCancel	1.69E-03	1.93E-03	1.42E-05	2.00E-05	6.88E-07	1.70E-03	2.40E-03	1.69E-03	3.71E-07	0.00E+00	8.82E-08	4.07E-04	0.00E+00	0.00E+00	2.40E-03
271	ALL	644746.8	4249598	NonCancel	1.52E-03	1.74E-03	1.30E-05	1.73E-05	6.19E-07	1.53E-03	2.16E-03	1.52E-03	3.35E-07	0.00E+00	7.82E-08	3.69E-04	0.00E+00	0.00E+00	2.16E-03
272	ALL	644846.8	4249598	NonCancel	1.37E-03	1.58E-03	1.19E-05	1.52E-05	5.58E-07	1.38E-03	1.95E-03	1.37E-03	3.04E-07	0.00E+00	6.97E-08	3.35E-04	0.00E+00	0.00E+00	1.95E-03
273	ALL	644946.8	4249598	NonCancel	1.25E-03	1.44E-03	1.09E-05	1.34E-05	5.06E-07	1.26E-03	1.77E-03	1.25E-03	2.78E-07	0.00E+00	6.28E-08	3.05E-04	0.00E+00	0.00E+00	1.77E-03
274	ALL	645046.8	4249598	NonCancel	1.14E-03	1.31E-03	1.00E-05	1.21E-05	4.62E-07	1.15E-03	1.62E-03	1.14E-03	2.56E-07	0.00E+00	5.72E-08	2.79E-04	0.00E+00	0.00E+00	1.62E-03
275	ALL	645146.8	4249598	NonCancel	1.05E-03	1.20E-03	9.21E-06	1.10E-05	4.23E-07	1.05E-03	1.48E-03	1.05E-03	2.36E-07	0.00E+00	5.25E-08	2.56E-04	0.00E+00	0.00E+00	1.48E-03
276	ALL	645246.8	4249598	NonCancel	9.65E-04	1.11E-03	8.49E-06	1.03E-05	3.91E-07	9.71E-04	1.36E-03	9.65E-04	2.20E-07	0.00E+00	4.88E-08	2.36E-04	0.00E+00	0.00E+00	1.36E-03
277	ALL	645346.8	4249598	NonCancel	8.95E-04	1.03E-03	7.83E-06	9.65E-06	3.63E-07	9.01E-04	1.26E-03	8.95E-04	2.06E-07	0.00E+00	4.58E-08	2.19E-04	0.00E+00	0.00E+00	1.26E-03
278	ALL	642446.8	4249698	NonCancel	6.34E-04	7.33E-04	6.43E-06	3.95E-06	2.49E-07	6.36E-04	9.27E-04	6.34E-04	1.46E-07	0.00E+00	2.78E-08	1.63E-04	0.00E+00	0.00E+00	9.27E-04
279	ALL	642546.8	4249698	NonCancel	6.96E-04	8.06E-04	7.11E-06	4.19E-06	2.73E-07	6.99E-04	1.02E-03	6.96E-04	1.57E-07	0.00E+00	3.00E-08	1.80E-04	0.00E+00	0.00E+00	1.02E-03
280	ALL	642646.8	4249698	NonCancel	7.67E-04	8.88E-04	7.87E-06	4.48E-06	2.99E-07	7.70E-04	1.13E-03	7.67E-04	1.68E-07	0.00E+00	3.23E-08	1.98E-04	0.00E+00	0.00E+00	1.13E-03
281	ALL	642746.8	4249698	NonCancel	8.42E-04	9.75E-04	8.67E-06	4.84E-06	3.28E-07	8.46E-04	1.25E-03	8.42E-04	1.78E-07	0.00E+00	3.45E-08	2.18E-04	0.00E+00	0.00E+00	1.25E-03
282	ALL	642846.8	4249698	NonCancel	9.20E-04	1.07E-03	9.47E-06	5.29E-06	3.57E-07	9.24E-04	1.37E-03	9.20E-04	1.87E-07	0.00E+00	3.70E-08	2.38E-04	0.00E+00	0.00E+00	1.37E-03
283	ALL	642946.8	4249698	NonCancel	1.00E-03	1.16E-03	1.03E-05	5.86E-06	3.90E-07	1.01E-03	1.51E-03	1.00E-03	1.98E-07	0.00E+00	4.01E-08	2.59E-04	0.00E+00	0.00E+00	1.51E-03
284	ALL	643046.8	4249698	NonCancel	1.10E-03	1.28E-03	1.13E-05	6.60E-06	4.28E-07	1.11E-03	1.67E-03	1.10E-03	2.11E-07	0.00E+00	4.39E-08	2.84E-04	0.00E+00	0.00E+00	1.67E-03
285	ALL	643146.8	4249698	NonCancel	1.22E-03	1.41E-03	1.24E-05	7.57E-06	4.73E-07	1.22E-03	1.86E-03	1.22E-03	2.28E-07	0.00E+00	4.86E-08	3.13E-04	0.00E+00	0.00E+00	1.86E-03
286	ALL	643246.8	4249698	NonCancel	1.35E-03	1.56E-03	1.35E-05	8.85E-06	5.25E-07	1.35E-03	2.07E-03	1.35E-03	2.49E-07	0.00E+00	5.44E-08	3.45E-04	0.00E+00	0.00E+00	2.07E-03
287	ALL	643346.8	4249698	NonCancel	1.49E-03	1.72E-03	1.47E-05	1.04E-05	5.82E-07	1.50E-03	2.29E-03	1.49E-03	2.73E-07	0.00E+00	6.09E-08	3.79E-04	0.00E+00	0.00E+00	2.29E-03
288	ALL	643446.8	4249698	NonCancel	1.62E-03	1.87E-03	1.57E-05	1.23E-05	6.36E-07	1.63E-03	2.50E-03	1.62E-03	2.98E-07	0.00E+00	6.76E-08	4.10E-04	0.00E+00	0.00E+00	2.50E-03
289	ALL	643546.8	4249698	NonCancel	1.73E-03	2.00E-03	1.63E-05	1.51E-05	6.88E-07	1.74E-03	2.70E-03	1.73E-03	3.37E-07	0.00E+00	7.76E-08	4.33E-04	0.00E+00	0.00E+00	2.70E-03
290	ALL	643646.8	4249698	NonCancel	1.86E-03	2.14E-03	1.64E-05	1.99E-05	7.57E-07	1.88E-03	2.94E-03	1.86E-03	4.02E-07	0.00E+00	9.54E-08	4.57E-04	0.00E+00	0.00E+00	2.94E-03
291	ALL	643746.8	4249698	NonCancel	2.12E-03	2.42E-03	1.71E-05	2.74E-05	8.79E-07	2.13E-03	3.38E-03	2.12E-03	4.99E-07	0.00E+00	1.22E-07	5.07E-04	0.00E+00	0.00E+00	3.38E-03
292	ALL	643846.8	4249698	NonCancel	2.47E-03	2.82E-03	1.87E-05	3.61E-05	1.04E-06	2.49E-03	4.12E-03	2.47E-03	6.06E-07	0.00E+00	1.53E-07	5.82E-04	0.00E+00	0.00E+00	4.12E-03
293	ALL	643946.8	4249698	NonCancel	2.80E-03	3.20E-03	2.09E-05	4.21E-05	1.18E-06	2.82E-03	4.59E-03	2.80E-03	6.78E-07	0.00E+00	1.74E-07	6.56E-04	0.00E+00	0.00E+00	4.59E-03
294	ALL	644046.8	4249698	NonCancel	2.97E-03	3.39E-03	2.26E-05	4.29E-05	1.24E-06	2.99E-03	4.55E-03	2.97E-03	6.85E-07	0.00E+00	1.76E-07	6.99E-04	0.00E+00	0.00E+00	4.55E-03
295	ALL	644146.8	4249698	NonCancel	2.91E-03	3.33E-03	2.30E-05	3.95E-05	1.21E-06	2.93E-03	4.30E-03	2.91E-03	6.40E-07	0.00E+00	1.63E-07	6.90E-04	0.00E+00	0.00E+00	4.30E-03
296	ALL	644246.8	4249698	NonCancel	2.68E-03	3.07E-03	2.17E-05	3.47E-05	1.10E-06	2.70E-03	3.89E-03	2.68E-03	5.76E-07	0.00E+00	1.45E-07	6.40E-04	0.00E+00	0.00E+00	3.89E-03
297	ALL	644346.8	4249698	NonCancel	2.40E-03	2.75E-03	1.98E-05	2.99E-05	9.84E-07	2.42E-03	3.45E-03	2.40E-03	5.14E-07	0.00E+00	1.27E-07	5.76E-04	0.00E+00	0.00E+00	3.45E-03
298	ALL	644446.8	4249698	NonCancel	2.14E-03	2.45E-03	1.80E-05	2.55E-05	8.73E-07	2.15E-03	3.06E-03	2.14E-03	4.58E-07	0.00E+00	1.11E-07	5.16E-04	0.00E+00	0.00E+00	3.06E-03
299	ALL	644546.8	4249698	NonCancel	1.91E-03	2.19E-03	1.64E-05	2.16E-05	7.74E-07	1.92E-03	2.72E-03	1.91E-03	4.08E-07	0.00E+00	9.66E-08	4.62E-04	0.00E+00	0.00E+00	2.72E-03
300	ALL	644646.8	4249698	NonCancel	1.70E-03	1.96E-03	1.49E-05	1.84E-05	6.88E-07	1.71E-03	2.42E-03	1.70E-03	3.65E-07	0.00E+00	8.44E-08	4.15E-04	0.00E+00	0.00E+00	2.42E-03
301	ALL	644746.8	4249698	NonCancel	1.52E-03	1.75E-03	1.35E-05	1.58E-05	6.15E-07	1.53E-03	2.17E-03	1.52E-03	3.28E-07	0.00E+00	7.44E-08	3.74E-04	0.00E+00	0.00E+00	2.17E-03
302	ALL	644846.8	4249698	NonCancel	1.37E-03	1.58E-03	1.23E-05	1.39E-05	5.53E-07	1.38E-03	1.95E-03	1.37E-03	2.98E-07	0.00E+00	6.64E-08	3.38E-04	0.00E+00	0.00E+00	1.95E-03
303	ALL	644946.8	4249698	NonCancel	1.25E-03	1.43E-03	1.12E-05	1.24E-05	5.01E-07	1.25E-03	1.77E-03	1.25E-03	2.72E-07	0.00E+00	6.00E-08	3.07E-04	0.00E+00	0.00E+00	1.77E-03
304	ALL	645046.8	4249698	NonCancel	1.14E-03	1.31E-03	1.03E-05	1.13E-05	4.57E-07	1.14E-03	1.61E-03	1.14E-03	2.51E-07	0.00E+00	5.49E-08	2.80E-04	0.00E+00	0.00E+00	1.61E-03
305	ALL	645146.8	4249698	NonCancel	1.04E-03	1.20E-03	9.36E-06	1.04E-05	4.19E-07	1.05E-03	1.48E-03	1.04E-03	2.33E-07	0.00E+00	5.08E-08	2.56E-04	0.00E+00	0.00E+00	1.48E-03
306	ALL	645246.8	4249698	NonCancel	9.59E-04	1.10E-03	8.56E-06	9.76E-06	3.87E-07	9.64E-04	1.36E-03	9.58E-04	2.17E-07	0.00E+00	4.74E-08	2.36E-04	0.00E+00	0.00E+00	1.36E-03
307	ALL	645346.8	4249698	NonCancel	8.87E-04	1.02E-03	7.86E-06	9.23E-06	3.59E-07	8.93E-04	1.25E-03	8.87E-04	2.03E-07	0.00E+00	4.45E-08	2.18E-04	0.00E+00	0.00E+00	1.25E-03
308	ALL	642446.8	4249798	NonCancel	6.50E-04	7.52E-04	6.60E-06	4.04E-06	2.55E-07	6.53E-04	9.50E-04	6.50E-04	1.48E-07	0.00E+00	2.84E-08	1.67E-04	0.00E+00	0.00E+00	9.50E-04
309	ALL	642546.8	4249798	NonCancel</															

311 ALL	642746.8	4249798 NonCancel	8.77E-04	1.02E-03	9.05E-06	4.98E-06	3.41E-07	8.81E-04	1.30E-03	8.77E-04	1.85E-07	0.00E+00	3.61E-08	2.27E-04	0.00E+00	0.00E+00	1.30E-03
312 ALL	642846.8	4249798 NonCancel	9.73E-04	1.13E-03	1.01E-05	5.48E-06	3.78E-07	9.77E-04	1.45E-03	9.73E-04	1.97E-07	0.00E+00	3.90E-08	2.52E-04	0.00E+00	0.00E+00	1.45E-03
313 ALL	642946.8	4249798 NonCancel	1.07E-03	1.24E-03	1.10E-05	6.12E-06	4.15E-07	1.07E-03	1.60E-03	1.07E-03	2.07E-07	0.00E+00	4.23E-08	2.76E-04	0.00E+00	0.00E+00	1.60E-03
314 ALL	643046.8	4249798 NonCancel	1.18E-03	1.37E-03	1.21E-05	6.95E-06	4.57E-07	1.18E-03	1.78E-03	1.18E-03	2.21E-07	0.00E+00	4.66E-08	3.04E-04	0.00E+00	0.00E+00	1.78E-03
315 ALL	643146.8	4249798 NonCancel	1.31E-03	1.52E-03	1.34E-05	8.05E-06	5.10E-07	1.32E-03	1.99E-03	1.31E-03	2.40E-07	0.00E+00	5.21E-08	3.38E-04	0.00E+00	0.00E+00	1.99E-03
316 ALL	643246.8	4249798 NonCancel	1.47E-03	1.70E-03	1.47E-05	9.55E-06	5.71E-07	1.47E-03	2.23E-03	1.47E-03	2.64E-07	0.00E+00	5.90E-08	3.76E-04	0.00E+00	0.00E+00	2.23E-03
317 ALL	643346.8	4249798 NonCancel	1.64E-03	1.90E-03	1.63E-05	1.15E-05	6.41E-07	1.65E-03	2.50E-03	1.64E-03	2.93E-07	0.00E+00	6.71E-08	4.18E-04	0.00E+00	0.00E+00	2.50E-03
318 ALL	643446.8	4249798 NonCancel	1.82E-03	2.10E-03	1.77E-05	1.40E-05	7.14E-07	1.83E-03	2.77E-03	1.82E-03	3.27E-07	0.00E+00	7.59E-08	4.60E-04	0.00E+00	0.00E+00	2.77E-03
319 ALL	643546.8	4249798 NonCancel	1.97E-03	2.27E-03	1.83E-05	1.76E-05	7.82E-07	1.98E-03	3.00E-03	1.97E-03	3.77E-07	0.00E+00	8.90E-08	4.91E-04	0.00E+00	0.00E+00	3.00E-03
320 ALL	643646.8	4249798 NonCancel	2.15E-03	2.47E-03	1.85E-05	2.42E-05	8.78E-07	2.17E-03	3.31E-03	2.15E-03	4.67E-07	0.00E+00	1.13E-07	5.25E-04	0.00E+00	0.00E+00	3.31E-03
321 ALL	643746.8	4249798 NonCancel	2.51E-03	2.87E-03	1.97E-05	3.43E-05	1.05E-06	2.52E-03	3.87E-03	2.51E-03	5.98E-07	0.00E+00	1.50E-07	5.97E-04	0.00E+00	0.00E+00	3.87E-03
322 ALL	643846.8	4249798 NonCancel	2.96E-03	3.38E-03	2.21E-05	4.45E-05	1.25E-06	2.98E-03	4.61E-03	2.96E-03	7.24E-07	0.00E+00	1.86E-07	6.95E-04	0.00E+00	0.00E+00	4.61E-03
323 ALL	643946.8	4249798 NonCancel	3.31E-03	3.78E-03	2.49E-05	4.89E-05	1.39E-06	3.34E-03	5.38E-03	3.31E-03	7.78E-07	0.00E+00	2.02E-07	7.77E-04	0.00E+00	0.00E+00	5.38E-03
324 ALL	644046.8	4249798 NonCancel	3.38E-03	3.87E-03	2.65E-05	4.65E-05	1.41E-06	3.41E-03	5.74E-03	3.38E-03	7.44E-07	0.00E+00	1.92E-07	8.01E-04	0.00E+00	0.00E+00	5.74E-03
325 ALL	644146.8	4249798 NonCancel	3.18E-03	3.64E-03	2.58E-05	4.06E-05	1.30E-06	3.20E-03	4.76E-03	3.18E-03	6.68E-07	0.00E+00	1.70E-07	7.59E-04	0.00E+00	0.00E+00	4.76E-03
326 ALL	644246.8	4249798 NonCancel	2.83E-03	3.25E-03	2.36E-05	3.43E-05	1.16E-06	2.85E-03	4.12E-03	2.83E-03	5.88E-07	0.00E+00	1.46E-07	6.81E-04	0.00E+00	0.00E+00	4.12E-03
327 ALL	644346.8	4249798 NonCancel	2.49E-03	2.86E-03	2.12E-05	2.86E-05	1.01E-06	2.51E-03	3.59E-03	2.49E-03	5.16E-07	0.00E+00	1.25E-07	6.02E-04	0.00E+00	0.00E+00	3.59E-03
328 ALL	644446.8	4249798 NonCancel	2.19E-03	2.52E-03	1.91E-05	2.37E-05	8.84E-07	2.20E-03	3.14E-03	2.19E-03	4.54E-07	0.00E+00	1.07E-07	5.34E-04	0.00E+00	0.00E+00	3.14E-03
329 ALL	644546.8	4249798 NonCancel	1.93E-03	2.22E-03	1.72E-05	1.97E-05	7.75E-07	1.94E-03	2.76E-03	1.93E-03	4.00E-07	0.00E+00	9.20E-08	4.74E-04	0.00E+00	0.00E+00	2.76E-03
330 ALL	644646.8	4249798 NonCancel	1.71E-03	1.97E-03	1.55E-05	1.67E-05	6.84E-07	1.72E-03	2.44E-03	1.71E-03	3.56E-07	0.00E+00	7.99E-08	4.22E-04	0.00E+00	0.00E+00	2.44E-03
331 ALL	644746.8	4249798 NonCancel	1.53E-03	1.76E-03	1.40E-05	1.44E-05	6.09E-07	1.53E-03	2.17E-03	1.53E-03	3.20E-07	0.00E+00	7.06E-08	3.77E-04	0.00E+00	0.00E+00	2.17E-03
332 ALL	644846.8	4249798 NonCancel	1.37E-03	1.58E-03	1.26E-05	1.27E-05	5.47E-07	1.38E-03	1.95E-03	1.37E-03	2.91E-07	0.00E+00	6.33E-08	3.40E-04	0.00E+00	0.00E+00	1.95E-03
333 ALL	644946.8	4249798 NonCancel	1.24E-03	1.43E-03	1.14E-05	1.15E-05	4.96E-07	1.25E-03	1.76E-03	1.24E-03	2.67E-07	0.00E+00	5.76E-08	3.08E-04	0.00E+00	0.00E+00	1.76E-03
334 ALL	645046.8	4249798 NonCancel	1.13E-03	1.30E-03	1.04E-05	1.06E-05	4.53E-07	1.14E-03	1.61E-03	1.13E-03	2.47E-07	0.00E+00	5.31E-08	2.80E-04	0.00E+00	0.00E+00	1.61E-03
335 ALL	645146.8	4249798 NonCancel	1.04E-03	1.19E-03	9.46E-06	9.91E-06	4.16E-07	1.04E-03	1.47E-03	1.04E-03	2.30E-07	0.00E+00	4.95E-08	2.57E-04	0.00E+00	0.00E+00	1.47E-03
336 ALL	645246.8	4249798 NonCancel	9.55E-04	1.10E-03	8.64E-06	9.35E-06	3.84E-07	9.60E-04	1.35E-03	9.55E-04	2.15E-07	0.00E+00	4.63E-08	2.36E-04	0.00E+00	0.00E+00	1.35E-03
337 ALL	645346.8	4249798 NonCancel	8.86E-04	1.02E-03	7.95E-06	8.88E-06	3.57E-07	8.91E-04	1.25E-03	8.86E-04	2.02E-07	0.00E+00	4.37E-08	2.18E-04	0.00E+00	0.00E+00	1.25E-03
338 ALL	642446.8	4249898 NonCancel	6.73E-04	7.78E-04	6.84E-06	4.15E-06	2.64E-07	6.75E-04	9.83E-04	6.73E-04	1.51E-07	0.00E+00	2.92E-08	1.73E-04	0.00E+00	0.00E+00	9.83E-04
339 ALL	642546.8	4249898 NonCancel	7.35E-04	8.51E-04	7.51E-06	4.41E-06	2.88E-07	7.38E-04	1.08E-03	7.35E-04	1.63E-07	0.00E+00	3.15E-08	1.90E-04	0.00E+00	0.00E+00	1.08E-03
340 ALL	642646.8	4249898 NonCancel	8.11E-04	9.39E-04	8.32E-06	4.73E-06	3.17E-07	8.14E-04	1.20E-03	8.11E-04	1.76E-07	0.00E+00	3.43E-08	2.10E-04	0.00E+00	0.00E+00	1.20E-03
341 ALL	642746.8	4249898 NonCancel	9.07E-04	1.05E-03	9.35E-06	5.16E-06	3.53E-07	9.10E-04	1.34E-03	9.07E-04	1.91E-07	0.00E+00	3.76E-08	2.35E-04	0.00E+00	0.00E+00	1.34E-03
342 ALL	642846.8	4249898 NonCancel	1.02E-03	1.18E-03	1.06E-05	5.71E-06	3.96E-07	1.02E-03	1.52E-03	1.02E-03	2.06E-07	0.00E+00	4.12E-08	2.64E-04	0.00E+00	0.00E+00	1.52E-03
343 ALL	642946.8	4249898 NonCancel	1.14E-03	1.32E-03	1.18E-05	6.42E-06	4.42E-07	1.14E-03	1.70E-03	1.14E-03	2.18E-07	0.00E+00	4.49E-08	2.95E-04	0.00E+00	0.00E+00	1.70E-03
344 ALL	643046.8	4249898 NonCancel	1.27E-03	1.47E-03	1.30E-05	7.37E-06	4.91E-07	1.27E-03	1.90E-03	1.27E-03	2.32E-07	0.00E+00	4.97E-08	3.27E-04	0.00E+00	0.00E+00	1.90E-03
345 ALL	643146.8	4249898 NonCancel	1.42E-03	1.64E-03	1.45E-05	8.64E-06	5.52E-07	1.43E-03	2.14E-03	1.42E-03	2.53E-07	0.00E+00	5.62E-08	3.66E-04	0.00E+00	0.00E+00	2.14E-03
346 ALL	643246.8	4249898 NonCancel	1.61E-03	1.86E-03	1.62E-05	1.04E-05	6.26E-07	1.61E-03	2.43E-03	1.61E-03	2.82E-07	0.00E+00	6.46E-08	4.12E-04	0.00E+00	0.00E+00	2.43E-03
347 ALL	643346.8	4249898 NonCancel	1.83E-03	2.12E-03	1.81E-05	1.29E-05	7.16E-07	1.84E-03	2.77E-03	1.83E-03	3.20E-07	0.00E+00	7.52E-08	4.67E-04	0.00E+00	0.00E+00	2.77E-03
348 ALL	643446.8	4249898 NonCancel	2.06E-03	2.37E-03	1.99E-05	1.61E-05	8.09E-07	2.07E-03	3.11E-03	2.06E-03	3.62E-07	0.00E+00	8.67E-08	5.19E-04	0.00E+00	0.00E+00	3.11E-03
349 ALL	643546.8	4249898 NonCancel	2.26E-03	2.60E-03	2.08E-05	2.10E-05	9.01E-07	2.27E-03	3.41E-03	2.26E-03	4.30E-07	0.00E+00	1.04E-07	5.61E-04	0.00E+00	0.00E+00	3.41E-03
350 ALL	643646.8	4249898 NonCancel	2.53E-03	2.91E-03	2.12E-05	3.03E-05	1.04E-06	2.55E-03	3.84E-03	2.53E-03	5.59E-07	0.00E+00	1.39E-07	6.14E-04	0.00E+00	0.00E+00	3.84E-03
351 ALL	643746.8	4249898 NonCancel	3.04E-03	3.47E-03	2.31E-05	4.42E-05	1.28E-06	3.06E-03	4.60E-03	3.04E-03	7.37E-07	0.00E+00	1.89E-07	7.18E-04	0.00E+00	0.00E+00	4.60E-03
352 ALL	643846.8	4249898 NonCancel	3.61E-03	4.12E-03	2.66E-05	5.50E-05	1.53E-06	3.64E-03	5.50E-03	3.61E-03	8.71E-07	0.00E+00	2.28E-07	8.44E-04	0.00E+00	0.00E+00	5.50E-03
353 ALL	643946.8	4249898 NonCancel	3.92E-03	4.48E-03	3.01E-05	5.57E-05	1.64E-06	3.95E-03	6.14E-03	3.92E-03	8.78E-07	0.00E+00	2.29E-07	9.24E-04	0.00E+00	0.00E+00	6.14E-03
354 ALL	644046.8	4249898 NonCancel	3.82E-03	4.37E-03	3.10E-05	4.90E-05	1.57E-06	3.84E-03	6.43E-03	3.82E-03	7.92E-07	0.00E+00	2.04E-07	9.11E-04	0.00E+00	0.00E+00	6.43E-03
355 ALL	644146.8	4249898 NonCancel	3.42E-03	3.92E-03	2.87E-05	4.06E-05	1.39E-06	3.44E-03	5.15E-03	3.42E-03	6.87E-07	0.00E+00	1.73E-07	8.23E-04	0.00E+00	0.00E+00	5.15E-03
356 ALL	644246.8	4249898 NonCancel	2.96E-03	3.40E-03	2.56E-05	3.29E-05	1.20E-06	2.98E-03	4.32E-03	2.96E-03	5.92E-07	0.00E+00	1.44E-07	7.19E-04	0.00E+00	0.00E+00	4.32E-03
357 ALL	644346.8	4249898 NonCancel	2.56E-03	2.94E-03	2.27E-05	2.65E-05	1.03E-06	2.58E-03	3.70E-03	2.56E-03	5.10E-07	0.00E+00	1.21E-07	6.27E-04	0.00E+00	0.00E+00	3.70E-03
358 ALL	644446.8	4249898 NonCancel	2.22E-03	2.56E-03	2.02E-05	2.14E-05	8.87E-07	2.24E-03	3.19E-03	2.22E-03	4.43E-07	0.00E+00	1.01E-07	5.48E-04	0.00E+00	0.00E+00	3.19E-03
359 ALL	644546.8	4249898 NonCancel	1.94E-03	2.24E-03	1.80E-05	1.77E-05	7.72E-07	1.95E-03	2.78E-03	1.94E-03	3.89E-07	0.00E+00	8.67E-08	4.82E-04	0.00E+00	0.00E+00	2.78E-03
360 ALL	644646.8	4249898 NonCancel	1.71E-03	1.97E-03	1.60E-05	1.51E-05	6.79E-07	1.72E-03	2.45E-03	1.71E-03	3.46E-07	0.00E+00	7.56E-08	4.26E-04	0.00E+00	0.00E+00	2.45E-03
361 ALL	644746.8	4249898 NonCancel	1.52E-03	1.76E-03	1.43E-05	1.32E-05	6.04E-07	1.53E-03	2.17E-03	1.52E-03	3.12E-07	0.00E+00	6.72E-08	3.80E-04	0.00E+00	0.00E+00	2.17E-03
362 ALL	644846.8	4249898 NonCancel	1.37E-03	1.58E-03	1.28E-05	1.18E-05	5.42E-07	1.37E-03	1.95E-03	1.37E-03	2.85E-07	0.00E+00	6.08E-08	3.41E-04	0.00E+00	0.00E+00	1.95E-03

363 ALL	644946.8	4249898	NonCancel	1.24E-03	1.43E-03	1.16E-05	1.08E-05	4.91E-07	1.24E-03	1.76E-03	1.24E-03	2.63E-07	0.00E+00	5.58E-08	3.08E-04	0.00E+00	0.00E+00	1.76E-03
364 ALL	645046.8	4249898	NonCancel	1.13E-03	1.30E-03	1.05E-05	1.01E-05	4.49E-07	1.13E-03	1.60E-03	1.13E-03	2.45E-07	0.00E+00	5.18E-08	2.81E-04	0.00E+00	0.00E+00	1.60E-03
365 ALL	645146.8	4249898	NonCancel	1.04E-03	1.19E-03	9.58E-06	9.48E-06	4.14E-07	1.04E-03	1.47E-03	1.04E-03	2.29E-07	0.00E+00	4.85E-08	2.57E-04	0.00E+00	0.00E+00	1.47E-03
366 ALL	645246.8	4249898	NonCancel	9.56E-04	1.10E-03	8.77E-06	8.98E-06	3.83E-07	9.62E-04	1.35E-03	9.56E-04	2.15E-07	0.00E+00	4.56E-08	2.37E-04	0.00E+00	0.00E+00	1.35E-03
367 ALL	645346.8	4249898	NonCancel	8.87E-04	1.02E-03	8.07E-06	8.53E-06	3.56E-07	8.91E-04	1.25E-03	8.86E-04	2.02E-07	0.00E+00	4.30E-08	2.19E-04	0.00E+00	0.00E+00	1.25E-03
368 ALL	642446.8	4249998	NonCancel	7.03E-04	8.13E-04	7.15E-06	4.30E-06	2.75E-07	7.06E-04	1.03E-03	7.03E-04	1.57E-07	0.00E+00	3.03E-08	1.81E-04	0.00E+00	0.00E+00	1.03E-03
369 ALL	642546.8	4249998	NonCancel	7.66E-04	8.87E-04	7.83E-06	4.58E-06	3.00E-07	7.69E-04	1.12E-03	7.66E-04	1.68E-07	0.00E+00	3.26E-08	1.98E-04	0.00E+00	0.00E+00	1.12E-03
370 ALL	642646.8	4249998	NonCancel	8.43E-04	9.76E-04	8.65E-06	4.93E-06	3.29E-07	8.46E-04	1.24E-03	8.43E-04	1.80E-07	0.00E+00	3.55E-08	2.18E-04	0.00E+00	0.00E+00	1.24E-03
371 ALL	642746.8	4249998	NonCancel	9.36E-04	1.08E-03	9.64E-06	5.38E-06	3.65E-07	9.40E-04	1.39E-03	9.36E-04	1.95E-07	0.00E+00	3.90E-08	2.42E-04	0.00E+00	0.00E+00	1.39E-03
372 ALL	642846.8	4249998	NonCancel	1.06E-03	1.22E-03	1.09E-05	5.97E-06	4.11E-07	1.06E-03	1.57E-03	1.06E-03	2.13E-07	0.00E+00	4.32E-08	2.73E-04	0.00E+00	0.00E+00	1.57E-03
373 ALL	642946.8	4249998	NonCancel	1.20E-03	1.39E-03	1.24E-05	6.78E-06	4.66E-07	1.20E-03	1.79E-03	1.20E-03	2.29E-07	0.00E+00	4.78E-08	3.11E-04	0.00E+00	0.00E+00	1.79E-03
374 ALL	643046.8	4249998	NonCancel	1.36E-03	1.58E-03	1.40E-05	7.88E-06	5.28E-07	1.37E-03	2.04E-03	1.36E-03	2.46E-07	0.00E+00	5.34E-08	3.52E-04	0.00E+00	0.00E+00	2.04E-03
375 ALL	643146.8	4249998	NonCancel	1.54E-03	1.78E-03	1.57E-05	9.37E-06	5.99E-07	1.55E-03	2.32E-03	1.54E-03	2.68E-07	0.00E+00	6.11E-08	3.97E-04	0.00E+00	0.00E+00	2.32E-03
376 ALL	643246.8	4249998	NonCancel	1.77E-03	2.04E-03	1.78E-05	1.15E-05	6.88E-07	1.77E-03	2.67E-03	1.77E-03	3.03E-07	0.00E+00	7.15E-08	4.53E-04	0.00E+00	0.00E+00	2.67E-03
377 ALL	643346.8	4249998	NonCancel	2.05E-03	2.36E-03	2.02E-05	1.46E-05	8.01E-07	2.05E-03	3.09E-03	2.04E-03	3.51E-07	0.00E+00	8.53E-08	5.21E-04	0.00E+00	0.00E+00	3.09E-03
378 ALL	643446.8	4249998	NonCancel	2.34E-03	2.70E-03	2.24E-05	1.89E-05	9.22E-07	2.35E-03	3.53E-03	2.34E-03	4.06E-07	0.00E+00	1.01E-07	5.89E-04	0.00E+00	0.00E+00	3.53E-03
379 ALL	643546.8	4249998	NonCancel	2.63E-03	3.03E-03	2.38E-05	2.58E-05	1.06E-06	2.64E-03	3.96E-03	2.63E-03	5.04E-07	0.00E+00	1.26E-07	6.51E-04	0.00E+00	0.00E+00	3.96E-03
380 ALL	643646.8	4249998	NonCancel	3.06E-03	3.50E-03	2.46E-05	3.99E-05	1.27E-06	3.08E-03	4.60E-03	3.06E-03	6.97E-07	0.00E+00	1.79E-07	7.34E-04	0.00E+00	0.00E+00	4.60E-03
381 ALL	643746.8	4249998	NonCancel	3.79E-03	4.33E-03	2.77E-05	5.87E-05	1.62E-06	3.82E-03	5.70E-03	3.79E-03	9.35E-07	0.00E+00	2.46E-07	8.88E-04	0.00E+00	0.00E+00	5.70E-03
382 ALL	643846.8	4249998	NonCancel	4.45E-03	5.08E-03	3.30E-05	6.74E-05	1.88E-06	4.49E-03	6.77E-03	4.45E-03	1.04E-06	0.00E+00	2.77E-07	1.04E-03	0.00E+00	0.00E+00	6.77E-03
383 ALL	643946.8	4249998	NonCancel	4.62E-03	5.28E-03	3.68E-05	6.14E-05	1.91E-06	4.65E-03	6.99E-03	4.62E-03	9.66E-07	0.00E+00	2.53E-07	1.10E-03	0.00E+00	0.00E+00	6.99E-03
384 ALL	644046.8	4249998	NonCancel	4.23E-03	4.85E-03	3.56E-05	4.99E-05	1.72E-06	4.26E-03	6.68E-03	4.23E-03	8.24E-07	0.00E+00	2.11E-07	1.02E-03	0.00E+00	0.00E+00	6.68E-03
385 ALL	644146.8	4249998	NonCancel	3.62E-03	4.15E-03	3.16E-05	3.91E-05	1.45E-06	3.64E-03	5.42E-03	3.62E-03	6.92E-07	0.00E+00	1.71E-07	8.80E-04	0.00E+00	0.00E+00	5.42E-03
386 ALL	644246.8	4249998	NonCancel	3.06E-03	3.52E-03	2.76E-05	3.03E-05	1.22E-06	3.08E-03	4.47E-03	3.06E-03	5.82E-07	0.00E+00	1.39E-07	7.53E-04	0.00E+00	0.00E+00	4.47E-03
387 ALL	644346.8	4249998	NonCancel	2.61E-03	3.01E-03	2.42E-05	2.37E-05	1.03E-06	2.62E-03	3.78E-03	2.61E-03	4.95E-07	0.00E+00	1.14E-07	6.47E-04	0.00E+00	0.00E+00	3.78E-03
388 ALL	644446.8	4249998	NonCancel	2.24E-03	2.58E-03	2.12E-05	1.91E-05	8.84E-07	2.25E-03	3.23E-03	2.24E-03	4.28E-07	0.00E+00	9.52E-08	5.59E-04	0.00E+00	0.00E+00	3.23E-03
389 ALL	644546.8	4249998	NonCancel	1.95E-03	2.25E-03	1.86E-05	1.60E-05	7.66E-07	1.96E-03	2.79E-03	1.95E-03	3.77E-07	0.00E+00	8.18E-08	4.87E-04	0.00E+00	0.00E+00	2.79E-03
390 ALL	644646.8	4249998	NonCancel	1.71E-03	1.97E-03	1.64E-05	1.38E-05	6.73E-07	1.72E-03	2.45E-03	1.71E-03	3.38E-07	0.00E+00	7.21E-08	4.29E-04	0.00E+00	0.00E+00	2.45E-03
391 ALL	644746.8	4249998	NonCancel	1.52E-03	1.75E-03	1.45E-05	1.23E-05	5.99E-07	1.53E-03	2.17E-03	1.52E-03	3.07E-07	0.00E+00	6.47E-08	3.81E-04	0.00E+00	0.00E+00	2.17E-03
392 ALL	644846.8	4249998	NonCancel	1.36E-03	1.57E-03	1.30E-05	1.12E-05	5.38E-07	1.37E-03	1.94E-03	1.36E-03	2.82E-07	0.00E+00	5.91E-08	3.42E-04	0.00E+00	0.00E+00	1.94E-03
393 ALL	644946.8	4249998	NonCancel	1.24E-03	1.42E-03	1.17E-05	1.03E-05	4.89E-07	1.24E-03	1.76E-03	1.23E-03	2.61E-07	0.00E+00	5.46E-08	3.09E-04	0.00E+00	0.00E+00	1.76E-03
394 ALL	645046.8	4249998	NonCancel	1.13E-03	1.30E-03	1.06E-05	9.63E-06	4.48E-07	1.13E-03	1.60E-03	1.13E-03	2.44E-07	0.00E+00	5.08E-08	2.82E-04	0.00E+00	0.00E+00	1.60E-03
395 ALL	645146.8	4249998	NonCancel	1.04E-03	1.19E-03	9.71E-06	9.06E-06	4.12E-07	1.04E-03	1.47E-03	1.04E-03	2.28E-07	0.00E+00	4.75E-08	2.58E-04	0.00E+00	0.00E+00	1.47E-03
396 ALL	645246.8	4249998	NonCancel	9.59E-04	1.11E-03	8.93E-06	8.58E-06	3.83E-07	9.64E-04	1.36E-03	9.59E-04	2.14E-07	0.00E+00	4.48E-08	2.39E-04	0.00E+00	0.00E+00	1.36E-03
397 ALL	645346.8	4249998	NonCancel	8.93E-04	1.03E-03	8.26E-06	8.17E-06	3.57E-07	8.98E-04	1.26E-03	8.93E-04	2.02E-07	0.00E+00	4.23E-08	2.22E-04	0.00E+00	0.00E+00	1.26E-03
398 ALL	642446.8	4250098	NonCancel	7.43E-04	8.61E-04	7.59E-06	4.48E-06	2.91E-07	7.46E-04	1.08E-03	7.43E-04	1.65E-07	0.00E+00	3.17E-08	1.92E-04	0.00E+00	0.00E+00	1.08E-03
399 ALL	642546.8	4250098	NonCancel	8.08E-04	9.35E-04	8.27E-06	4.79E-06	3.16E-07	8.11E-04	1.18E-03	8.08E-04	1.75E-07	0.00E+00	3.41E-08	2.09E-04	0.00E+00	0.00E+00	1.18E-03
400 ALL	642646.8	4250098	NonCancel	8.85E-04	1.03E-03	9.09E-06	5.17E-06	3.46E-07	8.89E-04	1.30E-03	8.85E-04	1.88E-07	0.00E+00	3.71E-08	2.29E-04	0.00E+00	0.00E+00	1.30E-03
401 ALL	642746.8	4250098	NonCancel	9.81E-04	1.14E-03	1.01E-05	5.67E-06	3.82E-07	9.85E-04	1.45E-03	9.81E-04	2.02E-07	0.00E+00	4.07E-08	2.54E-04	0.00E+00	0.00E+00	1.45E-03
402 ALL	642846.8	4250098	NonCancel	1.10E-03	1.27E-03	1.13E-05	6.33E-06	4.29E-07	1.11E-03	1.63E-03	1.10E-03	2.20E-07	0.00E+00	4.54E-08	2.85E-04	0.00E+00	0.00E+00	1.63E-03
403 ALL	642946.8	4250098	NonCancel	1.26E-03	1.46E-03	1.30E-05	7.23E-06	4.90E-07	1.26E-03	1.88E-03	1.26E-03	2.41E-07	0.00E+00	5.13E-08	3.26E-04	0.00E+00	0.00E+00	1.88E-03
404 ALL	643046.8	4250098	NonCancel	1.46E-03	1.69E-03	1.50E-05	8.50E-06	5.66E-07	1.46E-03	2.18E-03	1.46E-03	2.63E-07	0.00E+00	5.81E-08	3.77E-04	0.00E+00	0.00E+00	2.18E-03
405 ALL	643146.8	4250098	NonCancel	1.69E-03	1.95E-03	1.72E-05	1.03E-05	6.55E-07	1.69E-03	2.53E-03	1.69E-03	2.88E-07	0.00E+00	6.71E-08	4.35E-04	0.00E+00	0.00E+00	2.53E-03
406 ALL	643246.8	4250098	NonCancel	1.94E-03	2.25E-03	1.95E-05	1.29E-05	7.59E-07	1.95E-03	2.94E-03	1.94E-03	3.27E-07	0.00E+00	8.01E-08	4.99E-04	0.00E+00	0.00E+00	2.94E-03
407 ALL	643346.8	4250098	NonCancel	2.27E-03	2.62E-03	2.22E-05	1.68E-05	8.94E-07	2.28E-03	3.45E-03	2.27E-03	3.85E-07	0.00E+00	9.80E-08	5.79E-04	0.00E+00	0.00E+00	3.45E-03
408 ALL	643446.8	4250098	NonCancel	2.67E-03	3.08E-03	2.52E-05	2.29E-05	1.06E-06	2.69E-03	4.05E-03	2.67E-03	4.66E-07	0.00E+00	1.21E-07	6.72E-04	0.00E+00	0.00E+00	4.05E-03
409 ALL	643546.8	4250098	NonCancel	3.12E-03	3.59E-03	2.74E-05	3.32E-05	1.27E-06	3.14E-03	4.70E-03	3.12E-03	6.15E-07	0.00E+00	1.59E-07	7.68E-04	0.00E+00	0.00E+00	4.70E-03
410 ALL	643646.8	4250098	NonCancel	3.83E-03	4.37E-03	2.91E-05	5.55E-05	1.62E-06	3.85E-03	5.74E-03	3.83E-03	9.19E-07	0.00E+00	2.42E-07	9.06E-04	0.00E+00	0.00E+00	5.74E-03
411 ALL	643746.8	4250098	NonCancel	4.88E-03	5.56E-03	3.45E-05	7.94E-05	2.09E-06	4.92E-03	7.32E-03	4.88E-03	1.21E-06	0.00E+00	3.27E-07	1.13E-03	0.00E+00	0.00E+00	7.32E-03
412 ALL	643846.8	4250098	NonCancel	5.54E-03	6.33E-03	4.23E-05	7.99E-05	2.32E-06	5.59E-03	8.89E-03	5.54E-03	1.22E-06	0.00E+00	3.27E-07	1.31E-03	0.00E+00	0.00E+00	8.89E-03
413 ALL	643946.8	4250098	NonCancel	5.36E-03	6.15E-03	4.48E-05	6.45E-05	2.18E-06	5.40E-03	8.39E-03	5.36E-03	1.03E-06	0.00E+00	2.69E-07	1.29E-03	0.00E+00	0.00E+00	8.39E-03
414 ALL	644046.8	4250098	NonCancel	4.57E-03														

415 ALL	644146.8	4250098 NonCancel	3.77E-03	4.34E-03	3.45E-05	3.58E-05	1.50E-06	3.79E-03	5.59E-03	3.77E-03	6.77E-07	0.00E+00	1.64E-07	9.30E-04	0.00E+00	0.00E+00	5.59E-03
416 ALL	644246.8	4250098 NonCancel	3.13E-03	3.61E-03	2.95E-05	2.69E-05	1.23E-06	3.15E-03	4.58E-03	3.13E-03	5.60E-07	0.00E+00	1.30E-07	7.80E-04	0.00E+00	0.00E+00	4.58E-03
417 ALL	644346.8	4250098 NonCancel	2.63E-03	3.04E-03	2.53E-05	2.10E-05	1.03E-06	2.65E-03	3.82E-03	2.63E-03	4.76E-07	0.00E+00	1.06E-07	6.60E-04	0.00E+00	0.00E+00	3.82E-03
418 ALL	644446.8	4250098 NonCancel	2.25E-03	2.60E-03	2.18E-05	1.72E-05	8.78E-07	2.26E-03	3.24E-03	2.25E-03	4.14E-07	0.00E+00	8.98E-08	5.65E-04	0.00E+00	0.00E+00	3.24E-03
419 ALL	644546.8	4250098 NonCancel	1.95E-03	2.25E-03	1.90E-05	1.47E-05	7.61E-07	1.96E-03	2.80E-03	1.95E-03	3.68E-07	0.00E+00	7.82E-08	4.90E-04	0.00E+00	0.00E+00	2.80E-03
420 ALL	644646.8	4250098 NonCancel	1.71E-03	1.97E-03	1.66E-05	1.29E-05	6.69E-07	1.72E-03	2.45E-03	1.71E-03	3.32E-07	0.00E+00	6.97E-08	4.30E-04	0.00E+00	0.00E+00	2.45E-03
421 ALL	644746.8	4250098 NonCancel	1.52E-03	1.75E-03	1.47E-05	1.16E-05	5.96E-07	1.53E-03	2.17E-03	1.52E-03	3.04E-07	0.00E+00	6.31E-08	3.82E-04	0.00E+00	0.00E+00	2.17E-03
422 ALL	644846.8	4250098 NonCancel	1.37E-03	1.58E-03	1.32E-05	1.06E-05	5.37E-07	1.37E-03	1.95E-03	1.37E-03	2.80E-07	0.00E+00	5.79E-08	3.44E-04	0.00E+00	0.00E+00	1.95E-03
423 ALL	644946.8	4250098 NonCancel	1.24E-03	1.43E-03	1.19E-05	9.82E-06	4.89E-07	1.25E-03	1.77E-03	1.24E-03	2.61E-07	0.00E+00	5.36E-08	3.12E-04	0.00E+00	0.00E+00	1.77E-03
424 ALL	645046.8	4250098 NonCancel	1.14E-03	1.31E-03	1.09E-05	9.17E-06	4.49E-07	1.14E-03	1.62E-03	1.14E-03	2.43E-07	0.00E+00	4.99E-08	2.85E-04	0.00E+00	0.00E+00	1.62E-03
425 ALL	645146.8	4250098 NonCancel	1.05E-03	1.21E-03	9.98E-06	8.64E-06	4.15E-07	1.05E-03	1.49E-03	1.05E-03	2.28E-07	0.00E+00	4.67E-08	2.63E-04	0.00E+00	0.00E+00	1.49E-03
426 ALL	645246.8	4250098 NonCancel	9.68E-04	1.12E-03	9.16E-06	8.17E-06	3.84E-07	9.73E-04	1.37E-03	9.67E-04	2.13E-07	0.00E+00	4.39E-08	2.42E-04	0.00E+00	0.00E+00	1.37E-03
427 ALL	645346.8	4250098 NonCancel	8.97E-04	1.03E-03	8.43E-06	7.77E-06	3.57E-07	9.02E-04	1.27E-03	8.97E-04	2.00E-07	0.00E+00	4.13E-08	2.24E-04	0.00E+00	0.00E+00	1.27E-03
428 ALL	642446.8	4250198 NonCancel	7.97E-04	9.23E-04	8.18E-06	4.66E-06	3.11E-07	8.00E-04	1.16E-03	7.97E-04	1.75E-07	0.00E+00	3.34E-08	2.06E-04	0.00E+00	0.00E+00	1.16E-03
429 ALL	642546.8	4250198 NonCancel	8.65E-04	1.00E-03	8.89E-06	5.02E-06	3.37E-07	8.69E-04	1.26E-03	8.65E-04	1.86E-07	0.00E+00	3.59E-08	2.24E-04	0.00E+00	0.00E+00	1.26E-03
430 ALL	642646.8	4250198 NonCancel	9.45E-04	1.09E-03	9.72E-06	5.46E-06	3.68E-07	9.49E-04	1.38E-03	9.45E-04	1.97E-07	0.00E+00	3.91E-08	2.44E-04	0.00E+00	0.00E+00	1.38E-03
431 ALL	642746.8	4250198 NonCancel	1.04E-03	1.21E-03	1.07E-05	4.06E-06	4.06E-07	1.05E-03	1.53E-03	1.04E-03	2.12E-07	0.00E+00	4.30E-08	2.70E-04	0.00E+00	0.00E+00	1.53E-03
432 ALL	642846.8	4250198 NonCancel	1.17E-03	1.35E-03	1.20E-05	6.80E-06	4.54E-07	1.17E-03	1.73E-03	1.17E-03	2.29E-07	0.00E+00	4.81E-08	3.02E-04	0.00E+00	0.00E+00	1.73E-03
433 ALL	642946.8	4250198 NonCancel	1.33E-03	1.53E-03	1.36E-05	7.83E-06	5.17E-07	1.33E-03	1.97E-03	1.33E-03	2.52E-07	0.00E+00	5.49E-08	3.43E-04	0.00E+00	0.00E+00	1.97E-03
434 ALL	643046.8	4250198 NonCancel	1.54E-03	1.79E-03	1.58E-05	9.29E-06	6.02E-07	1.55E-03	2.31E-03	1.54E-03	2.82E-07	0.00E+00	6.38E-08	3.99E-04	0.00E+00	0.00E+00	2.31E-03
435 ALL	643146.8	4250198 NonCancel	1.83E-03	2.12E-03	1.86E-05	1.15E-05	7.14E-07	1.84E-03	2.75E-03	1.83E-03	3.14E-07	0.00E+00	7.51E-08	4.73E-04	0.00E+00	0.00E+00	2.75E-03
436 ALL	643246.8	4250198 NonCancel	2.15E-03	2.49E-03	2.15E-05	1.47E-05	8.44E-07	2.16E-03	3.26E-03	2.15E-03	3.58E-07	0.00E+00	9.14E-08	5.53E-04	0.00E+00	0.00E+00	3.26E-03
437 ALL	643346.8	4250198 NonCancel	2.53E-03	2.92E-03	2.45E-05	1.97E-05	1.00E-06	2.54E-03	3.87E-03	2.53E-03	4.34E-07	0.00E+00	1.16E-07	6.46E-04	0.00E+00	0.00E+00	3.87E-03
438 ALL	643446.8	4250198 NonCancel	3.08E-03	3.55E-03	2.84E-05	2.85E-05	1.24E-06	3.10E-03	4.71E-03	3.08E-03	5.54E-07	0.00E+00	1.50E-07	7.72E-04	0.00E+00	0.00E+00	4.71E-03
439 ALL	643546.8	4250198 NonCancel	3.79E-03	4.35E-03	3.19E-05	4.51E-05	1.56E-06	3.81E-03	5.75E-03	3.79E-03	8.00E-07	0.00E+00	2.13E-07	9.24E-04	0.00E+00	0.00E+00	5.75E-03
440 ALL	643646.8	4250198 NonCancel	5.01E-03	5.71E-03	3.51E-05	8.26E-05	2.17E-06	5.05E-03	7.53E-03	5.01E-03	1.30E-06	0.00E+00	3.51E-07	1.17E-03	0.00E+00	0.00E+00	7.53E-03
441 ALL	643746.8	4250198 NonCancel	6.44E-03	7.34E-03	4.51E-05	1.06E-04	2.77E-06	6.50E-03	9.69E-03	6.44E-03	1.57E-06	0.00E+00	4.33E-07	1.49E-03	0.00E+00	0.00E+00	9.69E-03
442 ALL	643846.8	4250198 NonCancel	6.89E-03	7.89E-03	5.57E-05	8.90E-05	2.83E-06	6.94E-03	1.11E-02	6.89E-03	1.35E-06	0.00E+00	3.66E-07	1.64E-03	0.00E+00	0.00E+00	1.11E-02
443 ALL	643946.8	4250198 NonCancel	6.04E-03	6.94E-03	5.33E-05	6.36E-05	2.41E-06	6.08E-03	9.16E-03	6.04E-03	1.05E-06	0.00E+00	2.72E-07	1.47E-03	0.00E+00	0.00E+00	9.16E-03
444 ALL	644046.8	4250198 NonCancel	4.83E-03	5.56E-03	4.47E-05	4.41E-05	1.90E-06	4.85E-03	7.19E-03	4.83E-03	8.08E-07	0.00E+00	2.00E-07	1.19E-03	0.00E+00	0.00E+00	7.19E-03
445 ALL	644146.8	4250198 NonCancel	3.88E-03	4.47E-03	3.71E-05	3.15E-05	1.51E-06	3.90E-03	5.72E-03	3.88E-03	6.44E-07	0.00E+00	1.52E-07	9.69E-04	0.00E+00	0.00E+00	5.72E-03
446 ALL	644246.8	4250198 NonCancel	3.17E-03	3.66E-03	3.09E-05	2.38E-05	1.23E-06	3.18E-03	4.63E-03	3.17E-03	5.34E-07	0.00E+00	1.21E-07	7.97E-04	0.00E+00	0.00E+00	4.63E-03
447 ALL	644346.8	4250198 NonCancel	2.64E-03	3.05E-03	2.60E-05	1.91E-05	1.03E-06	2.66E-03	3.84E-03	2.64E-03	4.59E-07	0.00E+00	1.00E-07	6.67E-04	0.00E+00	0.00E+00	3.84E-03
448 ALL	644446.8	4250198 NonCancel	2.25E-03	2.60E-03	2.22E-05	1.60E-05	8.73E-07	2.26E-03	3.25E-03	2.25E-03	4.05E-07	0.00E+00	8.63E-08	5.69E-04	0.00E+00	0.00E+00	3.25E-03
449 ALL	644546.8	4250198 NonCancel	1.95E-03	2.25E-03	1.92E-05	1.38E-05	7.58E-07	1.96E-03	2.80E-03	1.95E-03	3.63E-07	0.00E+00	7.60E-08	4.93E-04	0.00E+00	0.00E+00	2.80E-03
450 ALL	644646.8	4250198 NonCancel	1.71E-03	1.98E-03	1.69E-05	1.22E-05	6.67E-07	1.72E-03	2.46E-03	1.71E-03	3.30E-07	0.00E+00	6.82E-08	4.33E-04	0.00E+00	0.00E+00	2.46E-03
451 ALL	644746.8	4250198 NonCancel	1.53E-03	1.77E-03	1.50E-05	1.10E-05	5.97E-07	1.54E-03	2.19E-03	1.53E-03	3.03E-07	0.00E+00	6.19E-08	3.87E-04	0.00E+00	0.00E+00	2.19E-03
452 ALL	644846.8	4250198 NonCancel	1.38E-03	1.59E-03	1.35E-05	1.01E-05	5.38E-07	1.38E-03	1.96E-03	1.37E-03	2.79E-07	0.00E+00	5.67E-08	3.48E-04	0.00E+00	0.00E+00	1.96E-03
453 ALL	644946.8	4250198 NonCancel	1.25E-03	1.45E-03	1.22E-05	9.31E-06	4.91E-07	1.26E-03	1.78E-03	1.25E-03	2.59E-07	0.00E+00	5.24E-08	3.16E-04	0.00E+00	0.00E+00	1.78E-03
454 ALL	645046.8	4250198 NonCancel	1.15E-03	1.32E-03	1.11E-05	8.69E-06	4.50E-07	1.15E-03	1.63E-03	1.15E-03	2.41E-07	0.00E+00	4.87E-08	2.89E-04	0.00E+00	0.00E+00	1.63E-03
455 ALL	645146.8	4250198 NonCancel	1.05E-03	1.21E-03	1.02E-05	8.18E-06	4.15E-07	1.06E-03	1.49E-03	1.05E-03	2.25E-07	0.00E+00	4.55E-08	2.65E-04	0.00E+00	0.00E+00	1.49E-03
456 ALL	645246.8	4250198 NonCancel	9.67E-04	1.12E-03	9.28E-06	7.74E-06	3.82E-07	9.72E-04	1.37E-03	9.67E-04	2.10E-07	0.00E+00	4.26E-08	2.43E-04	0.00E+00	0.00E+00	1.37E-03
457 ALL	645346.8	4250198 NonCancel	8.90E-04	1.03E-03	8.47E-06	7.36E-06	3.53E-07	8.94E-04	1.26E-03	8.90E-04	1.96E-07	0.00E+00	4.00E-08	2.23E-04	0.00E+00	0.00E+00	1.26E-03
458 ALL	642446.8	4250298 NonCancel	8.61E-04	9.98E-04	8.90E-06	4.84E-06	3.35E-07	8.65E-04	1.25E-03	8.61E-04	1.89E-07	0.00E+00	3.56E-08	2.23E-04	0.00E+00	0.00E+00	1.25E-03
459 ALL	642546.8	4250298 NonCancel	9.39E-04	1.09E-03	9.71E-06	5.25E-06	3.65E-07	9.43E-04	1.36E-03	9.39E-04	2.00E-07	0.00E+00	3.84E-08	2.43E-04	0.00E+00	0.00E+00	1.36E-03
460 ALL	642646.8	4250298 NonCancel	1.03E-03	1.19E-03	1.06E-05	5.76E-06	3.99E-07	1.03E-03	1.50E-03	1.03E-03	2.11E-07	0.00E+00	4.16E-08	2.66E-04	0.00E+00	0.00E+00	1.50E-03
461 ALL	642746.8	4250298 NonCancel	1.13E-03	1.31E-03	1.17E-05	6.44E-06	4.39E-07	1.14E-03	1.66E-03	1.13E-03	2.25E-07	0.00E+00	4.57E-08	2.93E-04	0.00E+00	0.00E+00	1.66E-03
462 ALL	642846.8	4250298 NonCancel	1.26E-03	1.46E-03	1.29E-05	7.35E-06	4.91E-07	1.27E-03	1.86E-03	1.26E-03	2.43E-07	0.00E+00	5.14E-08	3.26E-04	0.00E+00	0.00E+00	1.86E-03
463 ALL	642946.8	4250298 NonCancel	1.42E-03	1.65E-03	1.45E-05	8.58E-06	5.55E-07	1.43E-03	2.11E-03	1.42E-03	2.66E-07	0.00E+00	5.90E-08	3.68E-04	0.00E+00	0.00E+00	2.11E-03
464 ALL	643046.8	4250298 NonCancel	1.65E-03	1.91E-03	1.67E-05	1.03E-05	6.45E-07	1.66E-03	2.47E-03	1.65E-03	3.01E-07	0.00E+00	7.01E-08	4.26E-04	0.00E+00	0.00E+00	2.47E-03
465 ALL	643146.8	4250298 NonCancel	1.97E-03	2.28E-03	1.97E-05	1.30E-05	7.73E-07	1.98E-03	2.97E-03	1.97E-03	3.48E-07	0.00E+00	8.56E-08	5.08E-04	0.00E+00	0.00E+00	2.97E-03
466 ALL	643246.8	4250298 NonCancel	2.38E-03	2.75E-03	2.35E-05	1.70E-05	9.41E-07	2.39E-03	3.63E-03	2.38E-03	4.04E-07	0.00E+00	1.07E-07	6.12E-04	0.00E+00	0.00E+00	3.63E-03

467 ALL	643346.8	4250298 NonCancel	2.86E-03	3.29E-03	2.72E-05	2.36E-05	1.15E-06	2.87E-03	4.42E-03	2.86E-03	5.07E-07	0.00E+00	1.42E-07	7.29E-04	0.00E+00	0.00E+00	4.42E-03
468 ALL	643446.8	4250298 NonCancel	3.56E-03	4.09E-03	3.17E-05	3.64E-05	1.46E-06	3.58E-03	5.56E-03	3.56E-03	6.95E-07	0.00E+00	1.96E-07	8.91E-04	0.00E+00	0.00E+00	5.56E-03
469 ALL	643546.8	4250298 NonCancel	4.75E-03	5.44E-03	3.72E-05	6.55E-05	2.01E-06	4.79E-03	7.33E-03	4.75E-03	1.14E-06	0.00E+00	3.09E-07	1.14E-03	0.00E+00	0.00E+00	7.33E-03
470 ALL	643646.8	4250298 NonCancel	6.96E-03	7.90E-03	4.38E-05	1.31E-04	3.09E-06	7.03E-03	1.05E-02	6.96E-03	1.96E-06	0.00E+00	5.45E-07	1.59E-03	0.00E+00	0.00E+00	1.05E-02
471 ALL	643746.8	4250298 NonCancel	8.65E-03	9.87E-03	6.35E-05	1.33E-04	3.66E-06	8.72E-03	1.30E-02	8.65E-03	1.93E-06	0.00E+00	5.41E-07	2.02E-03	0.00E+00	0.00E+00	1.30E-02
472 ALL	643846.8	4250298 NonCancel	8.38E-03	9.63E-03	7.34E-05	9.01E-05	3.35E-06	8.43E-03	1.32E-02	8.38E-03	1.40E-06	0.00E+00	3.79E-07	2.04E-03	0.00E+00	0.00E+00	1.32E-02
473 ALL	643946.8	4250298 NonCancel	6.53E-03	7.52E-03	6.11E-05	5.73E-05	2.56E-06	6.56E-03	9.83E-03	6.53E-03	1.00E-06	0.00E+00	2.57E-07	1.62E-03	0.00E+00	0.00E+00	9.83E-03
474 ALL	644046.8	4250298 NonCancel	4.99E-03	5.77E-03	4.84E-05	3.85E-05	1.94E-06	5.02E-03	7.41E-03	4.99E-03	7.57E-07	0.00E+00	1.84E-07	1.25E-03	0.00E+00	0.00E+00	7.41E-03
475 ALL	644146.8	4250298 NonCancel	3.92E-03	4.53E-03	3.87E-05	2.80E-05	1.51E-06	3.94E-03	5.77E-03	3.92E-03	6.09E-07	0.00E+00	1.41E-07	9.89E-04	0.00E+00	0.00E+00	5.77E-03
476 ALL	644246.8	4250298 NonCancel	3.18E-03	3.67E-03	3.16E-05	2.18E-05	1.23E-06	3.19E-03	4.65E-03	3.17E-03	5.15E-07	0.00E+00	1.15E-07	8.04E-04	0.00E+00	0.00E+00	4.65E-03
477 ALL	644346.8	4250298 NonCancel	2.65E-03	3.06E-03	2.64E-05	1.78E-05	1.02E-06	2.66E-03	3.85E-03	2.64E-03	4.50E-07	0.00E+00	9.71E-08	6.71E-04	0.00E+00	0.00E+00	3.85E-03
478 ALL	644446.8	4250298 NonCancel	2.26E-03	2.61E-03	2.26E-05	1.51E-05	8.73E-07	2.27E-03	3.26E-03	2.26E-03	4.00E-07	0.00E+00	8.42E-08	5.73E-04	0.00E+00	0.00E+00	3.26E-03
479 ALL	644546.8	4250298 NonCancel	1.96E-03	2.27E-03	1.97E-05	1.31E-05	7.60E-07	1.97E-03	2.83E-03	1.96E-03	3.60E-07	0.00E+00	7.44E-08	4.99E-04	0.00E+00	0.00E+00	2.83E-03
480 ALL	644646.8	4250298 NonCancel	1.73E-03	2.00E-03	1.73E-05	1.16E-05	6.71E-07	1.74E-03	2.48E-03	1.73E-03	3.27E-07	0.00E+00	6.66E-08	4.39E-04	0.00E+00	0.00E+00	2.48E-03
481 ALL	644746.8	4250298 NonCancel	1.54E-03	1.78E-03	1.53E-05	1.04E-05	5.98E-07	1.54E-03	2.20E-03	1.54E-03	2.98E-07	0.00E+00	6.02E-08	3.91E-04	0.00E+00	0.00E+00	2.20E-03
482 ALL	644846.8	4250298 NonCancel	1.38E-03	1.60E-03	1.38E-05	9.50E-06	5.39E-07	1.39E-03	1.97E-03	1.38E-03	2.74E-07	0.00E+00	5.51E-08	3.51E-04	0.00E+00	0.00E+00	1.97E-03
483 ALL	644946.8	4250298 NonCancel	1.25E-03	1.45E-03	1.24E-05	8.79E-06	4.89E-07	1.26E-03	1.78E-03	1.25E-03	2.54E-07	0.00E+00	5.08E-08	3.17E-04	0.00E+00	0.00E+00	1.78E-03
484 ALL	645046.8	4250298 NonCancel	1.14E-03	1.32E-03	1.12E-05	8.21E-06	4.46E-07	1.14E-03	1.62E-03	1.14E-03	2.36E-07	0.00E+00	4.72E-08	2.88E-04	0.00E+00	0.00E+00	1.62E-03
485 ALL	645146.8	4250298 NonCancel	1.04E-03	1.20E-03	1.02E-05	7.75E-06	4.09E-07	1.05E-03	1.48E-03	1.04E-03	2.21E-07	0.00E+00	4.41E-08	2.63E-04	0.00E+00	0.00E+00	1.48E-03
486 ALL	645246.8	4250298 NonCancel	9.55E-04	1.10E-03	9.26E-06	7.35E-06	3.76E-07	9.60E-04	1.36E-03	9.55E-04	2.06E-07	0.00E+00	4.13E-08	2.41E-04	0.00E+00	0.00E+00	1.36E-03
487 ALL	645346.8	4250298 NonCancel	8.80E-04	1.02E-03	8.45E-06	7.01E-06	3.48E-07	8.84E-04	1.25E-03	8.79E-04	1.93E-07	0.00E+00	3.89E-08	2.21E-04	0.00E+00	0.00E+00	1.25E-03
488 ALL	642446.8	4250398 NonCancel	9.30E-04	1.08E-03	9.65E-06	5.08E-06	3.62E-07	9.34E-04	1.35E-03	9.30E-04	2.06E-07	0.00E+00	3.83E-08	2.41E-04	0.00E+00	0.00E+00	1.35E-03
489 ALL	642546.8	4250398 NonCancel	1.02E-03	1.18E-03	1.06E-05	5.51E-06	3.96E-07	1.03E-03	1.48E-03	1.02E-03	2.19E-07	0.00E+00	4.14E-08	2.65E-04	0.00E+00	0.00E+00	1.48E-03
490 ALL	642646.8	4250398 NonCancel	1.13E-03	1.31E-03	1.17E-05	6.09E-06	4.37E-07	1.13E-03	1.64E-03	1.13E-03	2.32E-07	0.00E+00	4.51E-08	2.92E-04	0.00E+00	0.00E+00	1.64E-03
491 ALL	642746.8	4250398 NonCancel	1.25E-03	1.45E-03	1.30E-05	6.87E-06	4.85E-07	1.26E-03	1.83E-03	1.25E-03	2.47E-07	0.00E+00	4.97E-08	3.24E-04	0.00E+00	0.00E+00	1.83E-03
492 ALL	642846.8	4250398 NonCancel	1.40E-03	1.62E-03	1.44E-05	7.94E-06	5.43E-07	1.41E-03	2.05E-03	1.40E-03	2.64E-07	0.00E+00	5.57E-08	3.62E-04	0.00E+00	0.00E+00	2.05E-03
493 ALL	642946.8	4250398 NonCancel	1.58E-03	1.83E-03	1.62E-05	9.46E-06	6.16E-07	1.59E-03	2.34E-03	1.58E-03	2.88E-07	0.00E+00	6.42E-08	4.09E-04	0.00E+00	0.00E+00	2.34E-03
494 ALL	643046.8	4250398 NonCancel	1.82E-03	2.10E-03	1.83E-05	1.17E-05	7.12E-07	1.83E-03	2.71E-03	1.82E-03	3.24E-07	0.00E+00	7.72E-08	4.69E-04	0.00E+00	0.00E+00	2.71E-03
495 ALL	643146.8	4250398 NonCancel	2.14E-03	2.47E-03	2.12E-05	1.50E-05	8.46E-07	2.15E-03	3.23E-03	2.14E-03	3.84E-07	0.00E+00	9.77E-08	5.51E-04	0.00E+00	0.00E+00	3.23E-03
496 ALL	643246.8	4250398 NonCancel	2.60E-03	3.00E-03	2.52E-05	2.02E-05	1.04E-06	2.62E-03	4.01E-03	2.60E-03	4.75E-07	0.00E+00	1.29E-07	6.69E-04	0.00E+00	0.00E+00	4.01E-03
497 ALL	643346.8	4250398 NonCancel	3.27E-03	3.76E-03	3.04E-05	2.92E-05	1.33E-06	3.28E-03	5.15E-03	3.27E-03	6.28E-07	0.00E+00	1.82E-07	8.35E-04	0.00E+00	0.00E+00	5.15E-03
498 ALL	643446.8	4250398 NonCancel	4.14E-03	4.75E-03	3.54E-05	4.71E-05	1.74E-06	4.16E-03	6.71E-03	4.14E-03	9.42E-07	0.00E+00	2.73E-07	1.04E-03	0.00E+00	0.00E+00	6.71E-03
499 ALL	643546.8	4250398 NonCancel	6.28E-03	7.16E-03	4.41E-05	1.03E-04	2.78E-06	6.34E-03	9.99E-03	6.28E-03	1.88E-06	0.00E+00	5.01E-07	1.49E-03	0.00E+00	0.00E+00	9.99E-03
500 ALL	643646.8	4250398 NonCancel	1.01E-02	1.15E-02	5.89E-05	2.05E-04	4.56E-06	1.02E-02	1.54E-02	1.01E-02	3.01E-06	0.00E+00	8.51E-07	2.27E-03	0.00E+00	0.00E+00	1.54E-02
501 ALL	643746.8	4250398 NonCancel	1.18E-02	1.36E-02	9.91E-05	1.41E-04	4.80E-06	1.19E-02	1.76E-02	1.18E-02	2.10E-06	0.00E+00	5.91E-07	2.85E-03	0.00E+00	0.00E+00	1.76E-02
502 ALL	643846.8	4250398 NonCancel	9.60E-03	1.11E-02	9.12E-05	8.00E-05	3.73E-06	9.65E-03	1.50E-02	9.60E-03	1.32E-06	0.00E+00	3.54E-07	2.39E-03	0.00E+00	0.00E+00	1.50E-02
503 ALL	643946.8	4250398 NonCancel	6.80E-03	7.86E-03	6.67E-05	4.98E-05	2.62E-06	6.84E-03	1.03E-02	6.80E-03	9.20E-07	0.00E+00	2.35E-07	1.71E-03	0.00E+00	0.00E+00	1.03E-02
504 ALL	644046.8	4250398 NonCancel	5.02E-03	5.81E-03	4.99E-05	3.47E-05	1.93E-06	5.05E-03	7.47E-03	5.02E-03	7.13E-07	0.00E+00	1.72E-07	1.27E-03	0.00E+00	0.00E+00	7.47E-03
505 ALL	644146.8	4250398 NonCancel	3.91E-03	4.52E-03	3.92E-05	2.61E-05	1.50E-06	3.93E-03	5.77E-03	3.91E-03	5.89E-07	0.00E+00	1.36E-07	9.91E-04	0.00E+00	0.00E+00	5.77E-03
506 ALL	644246.8	4250398 NonCancel	3.18E-03	3.68E-03	3.20E-05	2.06E-05	1.22E-06	3.19E-03	4.66E-03	3.18E-03	5.04E-07	0.00E+00	1.12E-07	8.08E-04	0.00E+00	0.00E+00	4.66E-03
507 ALL	644346.8	4250398 NonCancel	2.67E-03	3.08E-03	2.70E-05	1.68E-05	1.02E-06	2.68E-03	3.88E-03	2.67E-03	4.42E-07	0.00E+00	9.46E-08	6.79E-04	0.00E+00	0.00E+00	3.88E-03
508 ALL	644446.8	4250398 NonCancel	2.28E-03	2.64E-03	2.31E-05	1.42E-05	8.78E-07	2.29E-03	3.30E-03	2.28E-03	3.93E-07	0.00E+00	8.20E-08	5.82E-04	0.00E+00	0.00E+00	3.30E-03
509 ALL	644546.8	4250398 NonCancel	1.98E-03	2.29E-03	2.01E-05	1.23E-05	7.63E-07	1.99E-03	2.85E-03	1.98E-03	3.53E-07	0.00E+00	7.23E-08	5.05E-04	0.00E+00	0.00E+00	2.85E-03
510 ALL	644646.8	4250398 NonCancel	1.74E-03	2.01E-03	1.76E-05	1.09E-05	6.71E-07	1.75E-03	2.50E-03	1.74E-03	3.20E-07	0.00E+00	6.47E-08	4.43E-04	0.00E+00	0.00E+00	2.50E-03
511 ALL	644746.8	4250398 NonCancel	1.54E-03	1.78E-03	1.55E-05	9.85E-06	5.96E-07	1.55E-03	2.20E-03	1.54E-03	2.93E-07	0.00E+00	5.86E-08	3.92E-04	0.00E+00	0.00E+00	2.20E-03
512 ALL	644846.8	4250398 NonCancel	1.37E-03	1.58E-03	1.37E-05	9.00E-06	5.31E-07	1.37E-03	1.96E-03	1.37E-03	2.68E-07	0.00E+00	5.33E-08	3.48E-04	0.00E+00	0.00E+00	1.96E-03
513 ALL	644946.8	4250398 NonCancel	1.23E-03	1.43E-03	1.23E-05	8.34E-06	4.80E-07	1.24E-03	1.76E-03	1.23E-03	2.48E-07	0.00E+00	4.92E-08	3.13E-04	0.00E+00	0.00E+00	1.76E-03
514 ALL	645046.8	4250398 NonCancel	1.12E-03	1.29E-03	1.11E-05	7.23E-06	4.38E-07	1.13E-03	1.60E-03	1.12E-03	2.30E-07	0.00E+00	4.57E-08	2.84E-04	0.00E+00	0.00E+00	1.60E-03
515 ALL	645146.8	4250398 NonCancel	1.02E-03	1.18E-03	1.01E-05	7.40E-06	4.01E-07	1.03E-03	1.46E-03	1.02E-03	2.15E-07	0.00E+00	4.28E-08	2.59E-04	0.00E+00	0.00E+00	1.46E-03
516 ALL	645246.8	4250398 NonCancel	9.43E-04	1.09E-03	9.20E-06	7.06E-06	3.71E-07	9.47E-04	1.34E-03	9.43E-04	2.02E-07	0.00E+00	4.03E-08	2.38E-04	0.00E+00	0.00E+00	1.34E-03
517 ALL	645346.8	4250398 NonCancel	8.70E-04	1.00E-03	8.41E-06	6.76E-06	3.43E-07	8.74E-04	1.23E-03	8.70E-04	1.90E-07	0.00E+00	3.81E-08	2.19E-04	0.00E+00	0.00E+00	1.23E-03
518 ALL	642446.8	4250498 NonCancel	1.00E-03	1.16E-03	1.04E-05	5.44E-06	3.89E-07	1.00E-03	1.44E-03	1.00E-03	2.24E-07	0.00E+00	4.14E-08	2.59E-04	0.00E+00	0.00E+00	1.44E-03

519 ALL	642546.8	4250498 NonCancel	1.11E-03	1.28E-03	1.15E-05	5.89E-06	4.29E-07	1.11E-03	1.60E-03	1.11E-03	2.40E-07	0.00E+00	4.50E-08	2.87E-04	0.00E+00	0.00E+00	1.60E-03
520 ALL	642646.8	4250498 NonCancel	1.23E-03	1.43E-03	1.28E-05	6.51E-06	4.77E-07	1.24E-03	1.79E-03	1.23E-03	2.56E-07	0.00E+00	4.93E-08	3.20E-04	0.00E+00	0.00E+00	1.79E-03
521 ALL	642746.8	4250498 NonCancel	1.38E-03	1.60E-03	1.44E-05	7.38E-06	5.36E-07	1.39E-03	2.02E-03	1.38E-03	2.76E-07	0.00E+00	5.49E-08	3.59E-04	0.00E+00	0.00E+00	2.02E-03
522 ALL	642846.8	4250498 NonCancel	1.57E-03	1.82E-03	1.63E-05	8.60E-06	6.07E-07	1.57E-03	2.30E-03	1.57E-03	2.97E-07	0.00E+00	6.19E-08	4.07E-04	0.00E+00	0.00E+00	2.30E-03
523 ALL	642946.8	4250498 NonCancel	1.80E-03	2.08E-03	1.85E-05	1.04E-05	6.98E-07	1.81E-03	2.65E-03	1.80E-03	3.24E-07	0.00E+00	7.17E-08	4.66E-04	0.00E+00	0.00E+00	2.65E-03
524 ALL	643046.8	4250498 NonCancel	2.08E-03	2.41E-03	2.11E-05	1.31E-05	8.13E-07	2.09E-03	3.09E-03	2.08E-03	3.61E-07	0.00E+00	8.63E-08	5.37E-04	0.00E+00	0.00E+00	3.09E-03
525 ALL	643146.8	4250498 NonCancel	2.45E-03	2.83E-03	2.42E-05	1.74E-05	9.68E-07	2.46E-03	3.69E-03	2.45E-03	4.29E-07	0.00E+00	1.11E-07	6.30E-04	0.00E+00	0.00E+00	3.69E-03
526 ALL	643246.8	4250498 NonCancel	2.94E-03	3.39E-03	2.80E-05	2.45E-05	1.19E-06	2.96E-03	4.56E-03	2.94E-03	5.71E-07	0.00E+00	1.59E-07	7.56E-04	0.00E+00	0.00E+00	4.56E-03
527 ALL	643346.8	4250498 NonCancel	3.69E-03	4.25E-03	3.33E-05	3.64E-05	1.55E-06	3.71E-03	5.99E-03	3.69E-03	8.41E-07	0.00E+00	2.46E-07	9.49E-04	0.00E+00	0.00E+00	5.99E-03
528 ALL	643446.8	4250498 NonCancel	4.95E-03	5.68E-03	4.16E-05	5.91E-05	2.18E-06	4.98E-03	8.56E-03	4.95E-03	1.44E-06	0.00E+00	4.16E-07	1.27E-03	0.00E+00	0.00E+00	8.56E-03
529 ALL	643546.8	4250498 NonCancel	8.78E-03	9.96E-03	5.50E-05	1.66E-04	4.13E-06	8.86E-03	1.50E-02	8.78E-03	3.73E-06	0.00E+00	9.27E-07	2.09E-03	0.00E+00	0.00E+00	1.50E-02
530 ALL	643646.8	4250498 NonCancel	1.42E-02	1.62E-02	9.78E-05	2.40E-04	6.21E-06	1.43E-02	2.26E-02	1.42E-02	3.75E-06	0.00E+00	1.06E-06	3.32E-03	0.00E+00	0.00E+00	2.26E-02
531 ALL	643746.8	4250498 NonCancel	1.65E-02	1.91E-02	1.62E-04	1.20E-04	6.32E-06	1.66E-02	2.46E-02	1.65E-02	1.91E-06	0.00E+00	5.37E-07	4.15E-03	0.00E+00	0.00E+00	2.46E-02
532 ALL	643846.8	4250498 NonCancel	1.01E-02	1.17E-02	1.01E-04	6.96E-05	3.87E-06	1.02E-02	1.59E-02	1.01E-02	1.19E-06	0.00E+00	3.22E-07	2.56E-03	0.00E+00	0.00E+00	1.59E-02
533 ALL	643946.8	4250498 NonCancel	6.70E-03	7.75E-03	6.68E-05	4.56E-05	2.56E-06	6.73E-03	1.02E-02	6.70E-03	8.63E-07	0.00E+00	2.21E-07	1.69E-03	0.00E+00	0.00E+00	1.02E-02
534 ALL	644046.8	4250498 NonCancel	4.97E-03	5.74E-03	4.99E-05	3.25E-05	1.90E-06	4.99E-03	7.43E-03	4.96E-03	6.84E-07	0.00E+00	1.66E-07	1.26E-03	0.00E+00	0.00E+00	7.43E-03
535 ALL	644146.8	4250498 NonCancel	3.92E-03	4.53E-03	3.97E-05	2.45E-05	1.50E-06	3.93E-03	5.79E-03	3.92E-03	5.69E-07	0.00E+00	1.31E-07	9.97E-04	0.00E+00	0.00E+00	5.79E-03
536 ALL	644246.8	4250498 NonCancel	3.20E-03	3.70E-03	3.26E-05	1.94E-05	1.22E-06	3.21E-03	4.68E-03	3.20E-03	4.89E-07	0.00E+00	1.08E-07	8.16E-04	0.00E+00	0.00E+00	4.68E-03
537 ALL	644346.8	4250498 NonCancel	2.67E-03	3.09E-03	2.73E-05	1.60E-05	1.02E-06	2.68E-03	3.89E-03	2.67E-03	4.29E-07	0.00E+00	9.16E-08	6.82E-04	0.00E+00	0.00E+00	3.89E-03
538 ALL	644446.8	4250498 NonCancel	2.27E-03	2.63E-03	2.32E-05	1.35E-05	8.71E-07	2.28E-03	3.29E-03	2.27E-03	3.83E-07	0.00E+00	7.95E-08	5.81E-04	0.00E+00	0.00E+00	3.29E-03
539 ALL	644546.8	4250498 NonCancel	1.96E-03	2.27E-03	2.00E-05	1.18E-05	7.54E-07	1.97E-03	2.83E-03	1.96E-03	3.45E-07	0.00E+00	7.03E-08	5.02E-04	0.00E+00	0.00E+00	2.83E-03
540 ALL	644646.8	4250498 NonCancel	1.72E-03	1.99E-03	1.75E-05	1.05E-05	6.62E-07	1.73E-03	2.47E-03	1.72E-03	3.14E-07	0.00E+00	6.30E-08	4.39E-04	0.00E+00	0.00E+00	2.47E-03
541 ALL	644746.8	4250498 NonCancel	1.52E-03	1.76E-03	1.55E-05	9.46E-06	5.88E-07	1.53E-03	2.18E-03	1.52E-03	2.88E-07	0.00E+00	5.72E-08	3.89E-04	0.00E+00	0.00E+00	2.18E-03
542 ALL	644846.8	4250498 NonCancel	1.36E-03	1.58E-03	1.38E-05	8.69E-06	5.28E-07	1.37E-03	1.95E-03	1.36E-03	2.66E-07	0.00E+00	5.25E-08	3.48E-04	0.00E+00	0.00E+00	1.95E-03
543 ALL	644946.8	4250498 NonCancel	1.22E-03	1.41E-03	1.23E-05	8.06E-06	4.76E-07	1.23E-03	1.75E-03	1.22E-03	2.45E-07	0.00E+00	4.83E-08	3.12E-04	0.00E+00	0.00E+00	1.75E-03
544 ALL	645046.8	4250498 NonCancel	1.11E-03	1.28E-03	1.11E-05	7.56E-06	4.33E-07	1.11E-03	1.58E-03	1.11E-03	2.27E-07	0.00E+00	4.49E-08	2.82E-04	0.00E+00	0.00E+00	1.58E-03
545 ALL	645146.8	4250498 NonCancel	1.01E-03	1.17E-03	1.00E-05	7.16E-06	3.97E-07	1.02E-03	1.44E-03	1.01E-03	2.12E-07	0.00E+00	4.20E-08	2.57E-04	0.00E+00	0.00E+00	1.44E-03
546 ALL	645246.8	4250498 NonCancel	9.33E-04	1.08E-03	9.16E-06	6.83E-06	3.67E-07	9.38E-04	1.33E-03	9.33E-04	1.99E-07	0.00E+00	3.96E-08	2.36E-04	0.00E+00	0.00E+00	1.33E-03
547 ALL	645346.8	4250498 NonCancel	8.63E-04	9.97E-04	8.40E-06	6.55E-06	3.40E-07	8.67E-04	1.23E-03	8.63E-04	1.88E-07	0.00E+00	3.74E-08	2.18E-04	0.00E+00	0.00E+00	1.23E-03
548 ALL	642446.8	4250598 NonCancel	1.06E-03	1.22E-03	1.09E-05	5.89E-06	4.12E-07	1.06E-03	1.53E-03	1.06E-03	2.41E-07	0.00E+00	4.46E-08	2.74E-04	0.00E+00	0.00E+00	1.53E-03
549 ALL	642546.8	4250598 NonCancel	1.18E-03	1.37E-03	1.23E-05	6.39E-06	4.59E-07	1.18E-03	1.71E-03	1.18E-03	2.61E-07	0.00E+00	4.89E-08	3.06E-04	0.00E+00	0.00E+00	1.71E-03
550 ALL	642646.8	4250598 NonCancel	1.33E-03	1.54E-03	1.38E-05	7.08E-06	5.15E-07	1.33E-03	1.92E-03	1.33E-03	2.83E-07	0.00E+00	5.41E-08	3.45E-04	0.00E+00	0.00E+00	1.92E-03
551 ALL	642746.8	4250598 NonCancel	1.51E-03	1.75E-03	1.57E-05	8.03E-06	5.85E-07	1.51E-03	2.19E-03	1.51E-03	3.09E-07	0.00E+00	6.08E-08	3.91E-04	0.00E+00	0.00E+00	2.19E-03
552 ALL	642846.8	4250598 NonCancel	1.73E-03	2.01E-03	1.80E-05	9.41E-06	6.73E-07	1.74E-03	2.54E-03	1.73E-03	3.39E-07	0.00E+00	6.96E-08	4.50E-04	0.00E+00	0.00E+00	2.54E-03
553 ALL	642946.8	4250598 NonCancel	2.03E-03	2.35E-03	2.09E-05	1.15E-05	7.87E-07	2.03E-03	2.98E-03	2.02E-03	3.76E-07	0.00E+00	8.19E-08	5.25E-04	0.00E+00	0.00E+00	2.98E-03
554 ALL	643046.8	4250598 NonCancel	2.40E-03	2.78E-03	2.45E-05	1.47E-05	9.39E-07	2.41E-03	3.57E-03	2.40E-03	4.26E-07	0.00E+00	1.00E-07	6.22E-04	0.00E+00	0.00E+00	3.57E-03
555 ALL	643146.8	4250598 NonCancel	2.90E-03	3.36E-03	2.89E-05	2.00E-05	1.15E-06	2.92E-03	4.37E-03	2.90E-03	5.09E-07	0.00E+00	1.32E-07	7.49E-04	0.00E+00	0.00E+00	4.37E-03
556 ALL	643246.8	4250598 NonCancel	3.57E-03	4.12E-03	3.40E-05	2.92E-05	1.45E-06	3.58E-03	5.54E-03	3.57E-03	6.90E-07	0.00E+00	1.93E-07	9.18E-04	0.00E+00	0.00E+00	5.54E-03
557 ALL	643346.8	4250598 NonCancel	4.46E-03	5.13E-03	3.99E-05	4.52E-05	1.92E-06	4.49E-03	7.46E-03	4.46E-03	1.18E-06	0.00E+00	3.42E-07	1.16E-03	0.00E+00	0.00E+00	7.46E-03
558 ALL	643746.8	4250598 NonCancel	1.90E-02	2.20E-02	1.98E-04	1.01E-04	7.09E-06	1.91E-02	2.89E-02	1.90E-02	1.65E-06	0.00E+00	4.77E-07	4.86E-03	0.00E+00	0.00E+00	2.89E-02
559 ALL	643846.8	4250598 NonCancel	9.39E-03	1.09E-02	9.40E-05	6.27E-05	3.58E-06	9.43E-03	1.54E-02	9.39E-03	1.09E-06	0.00E+00	3.01E-07	2.38E-03	0.00E+00	0.00E+00	1.54E-02
560 ALL	643946.8	4250598 NonCancel	6.45E-03	7.46E-03	6.47E-05	4.23E-05	2.46E-06	6.47E-03	9.98E-03	6.45E-03	8.09E-07	0.00E+00	2.10E-07	1.63E-03	0.00E+00	0.00E+00	9.98E-03
561 ALL	644046.8	4250598 NonCancel	4.86E-03	5.63E-03	4.92E-05	3.06E-05	1.86E-06	4.88E-03	7.32E-03	4.86E-03	6.49E-07	0.00E+00	1.59E-07	1.24E-03	0.00E+00	0.00E+00	7.32E-03
562 ALL	644146.8	4250598 NonCancel	3.84E-03	4.44E-03	3.91E-05	2.34E-05	1.47E-06	3.86E-03	5.69E-03	3.84E-03	5.46E-07	0.00E+00	1.26E-07	9.79E-04	0.00E+00	0.00E+00	5.69E-03
563 ALL	644246.8	4250598 NonCancel	3.13E-03	3.62E-03	3.20E-05	1.86E-05	1.20E-06	3.14E-03	4.59E-03	3.13E-03	4.72E-07	0.00E+00	1.05E-07	7.99E-04	0.00E+00	0.00E+00	4.59E-03
564 ALL	644346.8	4250598 NonCancel	2.61E-03	3.03E-03	2.68E-05	1.54E-05	1.00E-06	2.62E-03	3.81E-03	2.61E-03	4.17E-07	0.00E+00	8.91E-08	6.69E-04	0.00E+00	0.00E+00	3.81E-03
565 ALL	644446.8	4250598 NonCancel	2.23E-03	2.58E-03	2.28E-05	1.31E-05	8.53E-07	2.24E-03	3.23E-03	2.23E-03	3.73E-07	0.00E+00	7.75E-08	5.70E-04	0.00E+00	0.00E+00	3.23E-03
566 ALL	644546.8	4250598 NonCancel	1.93E-03	2.23E-03	1.97E-05	1.14E-05	7.40E-07	1.93E-03	2.78E-03	1.93E-03	3.37E-07	0.00E+00	6.86E-08	4.93E-04	0.00E+00	0.00E+00	2.78E-03
567 ALL	644646.8	4250598 NonCancel	1.69E-03	1.95E-03	1.72E-05	1.01E-05	6.50E-07	1.70E-03	2.43E-03	1.69E-03	3.07E-07	0.00E+00	6.16E-08	4.32E-04	0.00E+00	0.00E+00	2.43E-03
568 ALL	644746.8	4250598 NonCancel	1.50E-03	1.73E-03	1.52E-05	9.17E-06	5.78E-07	1.50E-03	2.15E-03	1.50E-03	2.82E-07	0.00E+00	5.60E-08	3.83E-04	0.00E+00	0.00E+00	2.15E-03
569 ALL	644846.8	4250598 NonCancel	1.34E-03	1.55E-03	1.35E-05	8.42E-06	5.18E-07	1.34E-03	1.91E-03	1.34E-03	2.60E-07	0.00E+00	5.13E-08	3.42E-04	0.00E+00	0.00E+00	1.91E-03
570 ALL	644946.8	4250598 NonCancel	1.20E-03	1.39E-03	1.21E-05	7.81E-06	4.67E-07	1.21E-03	1.72E-03	1.20E-03	2.40E-07	0.00E+00	4.72E-08	3.06E-04	0.00E+00	0.00E+00	1.72E-03

571 ALL	645046.8	4250598	NonCancel	1.10E-03	1.27E-03	1.10E-05	7.35E-06	4.28E-07	1.10E-03	1.57E-03	1.10E-03	2.25E-07	0.00E+00	4.42E-08	2.80E-04	0.00E+00	0.00E+00	1.57E-03
572 ALL	645146.8	4250598	NonCancel	1.00E-03	1.16E-03	9.96E-06	6.96E-06	3.92E-07	1.01E-03	1.43E-03	1.00E-03	2.10E-07	0.00E+00	4.13E-08	2.55E-04	0.00E+00	0.00E+00	1.43E-03
573 ALL	645246.8	4250598	NonCancel	9.18E-04	1.06E-03	9.04E-06	6.62E-06	3.60E-07	9.23E-04	1.31E-03	9.18E-04	1.96E-07	0.00E+00	3.87E-08	2.33E-04	0.00E+00	0.00E+00	1.31E-03
574 ALL	645346.8	4250598	NonCancel	8.51E-04	9.83E-04	8.31E-06	6.36E-06	3.35E-07	8.55E-04	1.21E-03	8.51E-04	1.85E-07	0.00E+00	3.67E-08	2.15E-04	0.00E+00	0.00E+00	1.21E-03
575 ALL	642446.8	4250698	NonCancel	1.11E-03	1.28E-03	1.14E-05	6.42E-06	4.33E-07	1.11E-03	1.60E-03	1.11E-03	2.59E-07	0.00E+00	4.80E-08	2.86E-04	0.00E+00	0.00E+00	1.60E-03
576 ALL	642546.8	4250698	NonCancel	1.24E-03	1.44E-03	1.28E-05	6.99E-06	4.85E-07	1.25E-03	1.80E-03	1.24E-03	2.84E-07	0.00E+00	5.30E-08	3.22E-04	0.00E+00	0.00E+00	1.80E-03
577 ALL	642646.8	4250698	NonCancel	1.41E-03	1.63E-03	1.46E-05	7.75E-06	5.49E-07	1.41E-03	2.04E-03	1.41E-03	3.13E-07	0.00E+00	5.92E-08	3.65E-04	0.00E+00	0.00E+00	2.04E-03
578 ALL	642746.8	4250698	NonCancel	1.62E-03	1.87E-03	1.68E-05	8.84E-06	6.29E-07	1.62E-03	2.35E-03	1.61E-03	3.48E-07	0.00E+00	6.75E-08	4.20E-04	0.00E+00	0.00E+00	2.35E-03
579 ALL	642846.8	4250698	NonCancel	1.88E-03	2.18E-03	1.95E-05	1.04E-05	7.34E-07	1.89E-03	2.75E-03	1.88E-03	3.91E-07	0.00E+00	7.85E-08	4.89E-04	0.00E+00	0.00E+00	2.75E-03
580 ALL	642946.8	4250698	NonCancel	2.24E-03	2.59E-03	2.30E-05	1.28E-05	8.73E-07	2.25E-03	3.29E-03	2.24E-03	4.47E-07	0.00E+00	9.43E-08	5.81E-04	0.00E+00	0.00E+00	3.29E-03
581 ALL	643046.8	4250698	NonCancel	2.71E-03	3.14E-03	2.77E-05	1.65E-05	1.07E-06	2.73E-03	4.03E-03	2.71E-03	5.26E-07	0.00E+00	1.19E-07	7.04E-04	0.00E+00	0.00E+00	4.03E-03
582 ALL	643146.8	4250698	NonCancel	3.39E-03	3.92E-03	3.39E-05	2.29E-05	1.35E-06	3.41E-03	5.11E-03	3.39E-03	6.59E-07	0.00E+00	1.61E-07	8.79E-04	0.00E+00	0.00E+00	5.11E-03
583 ALL	643246.8	4250698	NonCancel	4.38E-03	5.06E-03	4.23E-05	3.43E-05	1.79E-06	4.40E-03	6.82E-03	4.38E-03	9.42E-07	0.00E+00	2.49E-07	1.14E-03	0.00E+00	0.00E+00	6.82E-03
584 ALL	643346.8	4250698	NonCancel	5.90E-03	6.80E-03	5.42E-05	5.56E-05	2.58E-06	5.94E-03	1.00E-02	5.90E-03	1.77E-06	0.00E+00	4.92E-07	1.57E-03	0.00E+00	0.00E+00	1.00E-02
585 ALL	643746.8	4250698	NonCancel	1.52E-02	1.76E-02	1.54E-04	9.58E-05	5.76E-06	1.53E-02	2.46E-02	1.52E-02	1.54E-06	0.00E+00	4.57E-07	3.86E-03	0.00E+00	0.00E+00	2.46E-02
586 ALL	643846.8	4250698	NonCancel	8.48E-03	9.79E-03	8.39E-05	5.96E-05	3.25E-06	8.51E-03	1.43E-02	8.47E-03	1.03E-06	0.00E+00	2.87E-07	2.14E-03	0.00E+00	0.00E+00	1.43E-02
587 ALL	643946.8	4250698	NonCancel	6.01E-03	6.95E-03	6.00E-05	4.05E-05	2.30E-06	6.04E-03	9.42E-03	6.01E-03	7.74E-07	0.00E+00	2.02E-07	1.52E-03	0.00E+00	0.00E+00	9.42E-03
588 ALL	644046.8	4250698	NonCancel	4.61E-03	5.33E-03	4.65E-05	2.95E-05	1.76E-06	4.63E-03	6.95E-03	4.60E-03	6.25E-07	0.00E+00	1.53E-07	1.17E-03	0.00E+00	0.00E+00	6.95E-03
589 ALL	644146.8	4250698	NonCancel	3.67E-03	4.24E-03	3.72E-05	2.26E-05	1.40E-06	3.68E-03	5.43E-03	3.66E-03	5.27E-07	0.00E+00	1.22E-07	9.34E-04	0.00E+00	0.00E+00	5.43E-03
590 ALL	644246.8	4250698	NonCancel	3.00E-03	3.47E-03	3.06E-05	1.81E-05	1.15E-06	3.01E-03	4.40E-03	3.00E-03	4.57E-07	0.00E+00	1.01E-07	7.66E-04	0.00E+00	0.00E+00	4.40E-03
591 ALL	644346.8	4250698	NonCancel	2.51E-03	2.91E-03	2.57E-05	1.50E-05	9.62E-07	2.52E-03	3.66E-03	2.51E-03	4.03E-07	0.00E+00	8.63E-08	6.42E-04	0.00E+00	0.00E+00	3.66E-03
592 ALL	644446.8	4250698	NonCancel	2.14E-03	2.48E-03	2.19E-05	1.28E-05	8.23E-07	2.15E-03	3.11E-03	2.14E-03	3.61E-07	0.00E+00	7.52E-08	5.48E-04	0.00E+00	0.00E+00	3.11E-03
593 ALL	644546.8	4250698	NonCancel	1.86E-03	2.15E-03	1.90E-05	1.11E-05	7.14E-07	1.87E-03	2.68E-03	1.86E-03	3.27E-07	0.00E+00	6.66E-08	4.75E-04	0.00E+00	0.00E+00	2.68E-03
594 ALL	644646.8	4250698	NonCancel	1.63E-03	1.89E-03	1.66E-05	9.91E-06	6.28E-07	1.64E-03	2.34E-03	1.63E-03	2.98E-07	0.00E+00	5.98E-08	4.17E-04	0.00E+00	0.00E+00	2.34E-03
595 ALL	644746.8	4250698	NonCancel	1.45E-03	1.67E-03	1.47E-05	8.97E-06	5.59E-07	1.45E-03	2.07E-03	1.45E-03	2.73E-07	0.00E+00	5.44E-08	3.69E-04	0.00E+00	0.00E+00	2.07E-03
596 ALL	644846.8	4250698	NonCancel	1.29E-03	1.49E-03	1.30E-05	8.23E-06	5.00E-07	1.30E-03	1.85E-03	1.29E-03	2.51E-07	0.00E+00	4.97E-08	3.29E-04	0.00E+00	0.00E+00	1.85E-03
597 ALL	644946.8	4250698	NonCancel	1.17E-03	1.35E-03	1.17E-05	7.65E-06	4.54E-07	1.17E-03	1.67E-03	1.17E-03	2.34E-07	0.00E+00	4.61E-08	2.98E-04	0.00E+00	0.00E+00	1.67E-03
598 ALL	645046.8	4250698	NonCancel	1.06E-03	1.23E-03	1.06E-05	7.19E-06	4.15E-07	1.07E-03	1.52E-03	1.06E-03	2.18E-07	0.00E+00	4.29E-08	2.70E-04	0.00E+00	0.00E+00	1.52E-03
599 ALL	645146.8	4250698	NonCancel	9.74E-04	1.13E-03	9.65E-06	6.81E-06	3.81E-07	9.78E-04	1.39E-03	9.73E-04	2.04E-07	0.00E+00	4.02E-08	2.47E-04	0.00E+00	0.00E+00	1.39E-03
600 ALL	645246.8	4250698	NonCancel	8.97E-04	1.04E-03	8.82E-06	6.50E-06	3.52E-07	9.01E-04	1.27E-03	8.97E-04	1.92E-07	0.00E+00	3.79E-08	2.27E-04	0.00E+00	0.00E+00	1.27E-03
601 ALL	645346.8	4250698	NonCancel	8.30E-04	9.59E-04	8.09E-06	6.24E-06	3.27E-07	8.34E-04	1.18E-03	8.30E-04	1.81E-07	0.00E+00	3.59E-08	2.10E-04	0.00E+00	0.00E+00	1.18E-03
602 ALL	642446.8	4250798	NonCancel	1.17E-03	1.35E-03	1.19E-05	7.13E-06	4.59E-07	1.17E-03	1.68E-03	1.17E-03	2.83E-07	0.00E+00	5.23E-08	3.01E-04	0.00E+00	0.00E+00	1.68E-03
603 ALL	642546.8	4250798	NonCancel	1.32E-03	1.52E-03	1.35E-05	7.78E-06	5.17E-07	1.32E-03	1.90E-03	1.32E-03	3.14E-07	0.00E+00	5.82E-08	3.41E-04	0.00E+00	0.00E+00	1.90E-03
604 ALL	642646.8	4250798	NonCancel	1.50E-03	1.74E-03	1.55E-05	8.66E-06	5.89E-07	1.51E-03	2.18E-03	1.50E-03	3.51E-07	0.00E+00	6.58E-08	3.89E-04	0.00E+00	0.00E+00	2.18E-03
605 ALL	642746.8	4250798	NonCancel	1.74E-03	2.01E-03	1.79E-05	9.89E-06	6.81E-07	1.75E-03	2.52E-03	1.74E-03	3.98E-07	0.00E+00	7.58E-08	4.51E-04	0.00E+00	0.00E+00	2.52E-03
606 ALL	642846.8	4250798	NonCancel	2.05E-03	2.37E-03	2.11E-05	1.17E-05	8.03E-07	2.06E-03	2.99E-03	2.05E-03	4.59E-07	0.00E+00	8.96E-08	5.33E-04	0.00E+00	0.00E+00	2.99E-03
607 ALL	642946.8	4250798	NonCancel	2.47E-03	2.86E-03	2.54E-05	1.44E-05	9.70E-07	2.48E-03	3.62E-03	2.47E-03	5.44E-07	0.00E+00	1.10E-07	6.42E-04	0.00E+00	0.00E+00	3.62E-03
608 ALL	643046.8	4250798	NonCancel	3.05E-03	3.53E-03	3.11E-05	1.86E-05	1.21E-06	3.07E-03	4.52E-03	3.05E-03	6.69E-07	0.00E+00	1.41E-07	7.94E-04	0.00E+00	0.00E+00	4.52E-03
609 ALL	643146.8	4250798	NonCancel	3.93E-03	4.55E-03	3.94E-05	2.59E-05	1.57E-06	3.95E-03	5.90E-03	3.93E-03	8.94E-07	0.00E+00	1.98E-07	1.02E-03	0.00E+00	0.00E+00	5.90E-03
610 ALL	643246.8	4250798	NonCancel	5.37E-03	6.21E-03	5.23E-05	4.08E-05	2.21E-06	5.40E-03	8.32E-03	5.37E-03	1.41E-06	0.00E+00	3.27E-07	1.40E-03	0.00E+00	0.00E+00	8.32E-03
611 ALL	643746.8	4250798	NonCancel	3.02E-02	3.50E-02	3.11E-04	1.75E-04	1.12E-05	3.04E-02	4.48E-02	3.02E-02	2.27E-06	0.00E+00	6.88E-07	7.63E-03	0.00E+00	0.00E+00	4.48E-02
612 ALL	643846.8	4250798	NonCancel	9.91E-03	1.14E-02	9.58E-05	7.71E-05	3.82E-06	9.96E-03	1.67E-02	9.91E-03	1.20E-06	0.00E+00	3.40E-07	2.48E-03	0.00E+00	0.00E+00	1.67E-02
613 ALL	643946.8	4250798	NonCancel	6.24E-03	7.20E-03	6.12E-05	4.53E-05	2.40E-06	6.26E-03	9.69E-03	6.23E-03	8.29E-07	0.00E+00	2.16E-07	1.57E-03	0.00E+00	0.00E+00	9.69E-03
614 ALL	644046.8	4250798	NonCancel	4.62E-03	5.35E-03	4.62E-05	3.10E-05	1.77E-06	4.64E-03	6.94E-03	4.62E-03	6.44E-07	0.00E+00	1.57E-07	1.17E-03	0.00E+00	0.00E+00	6.94E-03
615 ALL	644146.8	4250798	NonCancel	3.63E-03	4.20E-03	3.66E-05	2.31E-05	1.39E-06	3.64E-03	5.36E-03	3.63E-03	5.33E-07	0.00E+00	1.23E-07	9.22E-04	0.00E+00	0.00E+00	5.36E-03
616 ALL	644246.8	4250798	NonCancel	2.95E-03	3.41E-03	2.99E-05	1.83E-05	1.13E-06	2.96E-03	4.31E-03	2.95E-03	4.56E-07	0.00E+00	1.01E-07	7.51E-04	0.00E+00	0.00E+00	4.31E-03
617 ALL	644346.8	4250798	NonCancel	2.46E-03	2.84E-03	2.50E-05	1.50E-05	9.42E-07	2.47E-03	3.57E-03	2.46E-03	4.00E-07	0.00E+00	8.56E-08	6.27E-04	0.00E+00	0.00E+00	3.57E-03
618 ALL	644446.8	4250798	NonCancel	2.09E-03	2.42E-03	2.13E-05	1.27E-05	8.03E-07	2.10E-03	3.03E-03	2.09E-03	3.57E-07	0.00E+00	7.43E-08	5.34E-04	0.00E+00	0.00E+00	3.03E-03
619 ALL	644546.8	4250798	NonCancel	1.81E-03	2.09E-03	1.84E-05	1.11E-05	6.96E-07	1.81E-03	2.61E-03	1.81E-03	3.21E-07	0.00E+00	6.56E-08	4.61E-04	0.00E+00	0.00E+00	2.61E-03
620 ALL	644646.8	4250798	NonCancel	1.58E-03	1.83E-03	1.61E-05	9.85E-06	6.11E-07	1.59E-03	2.28E-03	1.58E-03	2.92E-07	0.00E+00	5.88E-08	4.04E-04	0.00E+00	0.00E+00	2.28E-03
621 ALL	644746.8	4250798	NonCancel	1.40E-03	1.62E-03	1.42E-05	8.91E-06	5.43E-07	1.41E-03	2.01E-03	1.40E-03	2.68E-07	0.00E+00	5.34E-08	3.58E-04	0.00E+00	0.00E+00	2.01E-03
622 ALL	644846.8	4250798	NonCancel	1.26E-03														

623 ALL	644946.8	4250798 NonCancel	1.13E-03	1.31E-03	1.13E-05	7.60E-06	4.42E-07	1.14E-03	1.62E-03	1.13E-03	2.29E-07	0.00E+00	4.52E-08	2.89E-04	0.00E+00	0.00E+00	1.62E-03
624 ALL	645046.8	4250798 NonCancel	1.03E-03	1.19E-03	1.03E-05	7.13E-06	4.03E-07	1.04E-03	1.47E-03	1.03E-03	2.13E-07	0.00E+00	4.21E-08	2.62E-04	0.00E+00	0.00E+00	1.47E-03
625 ALL	645146.8	4250798 NonCancel	9.45E-04	1.09E-03	9.32E-06	6.76E-06	3.70E-07	9.50E-04	1.35E-03	9.45E-04	1.99E-07	0.00E+00	3.95E-08	2.40E-04	0.00E+00	0.00E+00	1.35E-03
626 ALL	645246.8	4250798 NonCancel	8.71E-04	1.01E-03	8.52E-06	6.44E-06	3.42E-07	8.75E-04	1.24E-03	8.71E-04	1.87E-07	0.00E+00	3.72E-08	2.20E-04	0.00E+00	0.00E+00	1.24E-03
627 ALL	645346.8	4250798 NonCancel	8.07E-04	9.31E-04	7.83E-06	6.19E-06	3.18E-07	8.10E-04	1.15E-03	8.06E-04	1.77E-07	0.00E+00	3.52E-08	2.03E-04	0.00E+00	0.00E+00	1.15E-03
628 ALL	642446.8	4250898 NonCancel	1.24E-03	1.43E-03	1.24E-05	8.13E-06	4.90E-07	1.24E-03	1.78E-03	1.24E-03	3.09E-07	0.00E+00	5.75E-08	3.19E-04	0.00E+00	0.00E+00	1.78E-03
629 ALL	642546.8	4250898 NonCancel	1.40E-03	1.62E-03	1.42E-05	8.80E-06	5.54E-07	1.41E-03	2.02E-03	1.40E-03	3.45E-07	0.00E+00	6.44E-08	3.61E-04	0.00E+00	0.00E+00	2.02E-03
630 ALL	642646.8	4250898 NonCancel	1.61E-03	1.86E-03	1.63E-05	9.92E-06	6.33E-07	1.61E-03	2.32E-03	1.61E-03	3.91E-07	0.00E+00	7.32E-08	4.15E-04	0.00E+00	0.00E+00	2.32E-03
631 ALL	642746.8	4250898 NonCancel	1.87E-03	2.16E-03	1.91E-05	1.13E-05	7.37E-07	1.88E-03	2.71E-03	1.87E-03	4.50E-07	0.00E+00	8.50E-08	4.84E-04	0.00E+00	0.00E+00	2.71E-03
632 ALL	642846.8	4250898 NonCancel	2.22E-03	2.57E-03	2.26E-05	1.34E-05	8.75E-07	2.23E-03	3.23E-03	2.22E-03	5.31E-07	0.00E+00	1.02E-07	5.75E-04	0.00E+00	0.00E+00	3.23E-03
633 ALL	642946.8	4250898 NonCancel	2.69E-03	3.11E-03	2.74E-05	1.64E-05	1.06E-06	2.70E-03	3.94E-03	2.69E-03	6.46E-07	0.00E+00	1.26E-07	6.98E-04	0.00E+00	0.00E+00	3.94E-03
634 ALL	643046.8	4250898 NonCancel	3.40E-03	3.94E-03	3.44E-05	2.16E-05	1.36E-06	3.42E-03	5.02E-03	3.40E-03	8.43E-07	0.00E+00	1.69E-07	8.84E-04	0.00E+00	0.00E+00	5.02E-03
635 ALL	643146.8	4250898 NonCancel	4.59E-03	5.31E-03	4.55E-05	3.22E-05	1.86E-06	4.61E-03	6.87E-03	4.59E-03	1.22E-06	0.00E+00	2.53E-07	1.19E-03	0.00E+00	0.00E+00	6.87E-03
636 ALL	643246.8	4250898 NonCancel	6.86E-03	7.91E-03	6.47E-05	5.86E-05	2.86E-06	6.90E-03	1.04E-02	6.86E-03	2.05E-06	0.00E+00	4.43E-07	1.77E-03	0.00E+00	0.00E+00	1.04E-02
637 ALL	643346.8	4250898 NonCancel	1.14E-02	1.31E-02	1.02E-04	1.15E-04	4.93E-06	1.14E-02	1.77E-02	1.14E-02	4.22E-06	0.00E+00	9.02E-07	2.94E-03	0.00E+00	0.00E+00	1.77E-02
638 ALL	643446.8	4250898 NonCancel	1.82E-02	2.10E-02	1.79E-04	1.30E-04	7.87E-06	1.83E-02	2.94E-02	1.82E-02	7.43E-06	0.00E+00	1.51E-06	4.92E-03	0.00E+00	0.00E+00	2.94E-02
639 ALL	643546.8	4250898 NonCancel	4.08E-02	4.73E-02	4.22E-04	2.30E-04	1.61E-05	4.10E-02	6.10E-02	4.08E-02	9.39E-06	0.00E+00	1.85E-06	1.06E-02	0.00E+00	0.00E+00	6.10E-02
640 ALL	643646.8	4250898 NonCancel	5.47E-02	6.32E-02	5.39E-04	3.92E-04	2.09E-05	5.50E-02	7.96E-02	5.47E-02	6.96E-06	0.00E+00	1.75E-06	1.37E-02	0.00E+00	0.00E+00	7.96E-02
641 ALL	643746.8	4250898 NonCancel	3.58E-02	4.13E-02	3.48E-04	2.72E-04	1.36E-05	3.59E-02	5.37E-02	3.58E-02	3.56E-06	0.00E+00	1.03E-06	8.88E-03	0.00E+00	0.00E+00	5.37E-02
642 ALL	643846.8	4250898 NonCancel	1.47E-02	1.70E-02	1.38E-04	1.27E-04	5.68E-06	1.48E-02	2.31E-02	1.47E-02	1.73E-06	0.00E+00	4.99E-07	3.63E-03	0.00E+00	0.00E+00	2.31E-02
643 ALL	643946.8	4250898 NonCancel	7.54E-03	8.69E-03	7.13E-05	6.37E-05	2.93E-06	7.58E-03	1.13E-02	7.54E-03	1.02E-06	0.00E+00	2.74E-07	1.87E-03	0.00E+00	0.00E+00	1.13E-02
644 ALL	644046.8	4250898 NonCancel	4.94E-03	5.70E-03	4.78E-05	3.82E-05	1.91E-06	4.96E-03	7.31E-03	4.94E-03	7.24E-07	0.00E+00	1.80E-07	1.24E-03	0.00E+00	0.00E+00	7.31E-03
645 ALL	644146.8	4250898 NonCancel	3.73E-03	4.31E-03	3.69E-05	2.63E-05	1.44E-06	3.75E-03	5.47E-03	3.73E-03	5.73E-07	0.00E+00	1.34E-07	9.42E-04	0.00E+00	0.00E+00	5.47E-03
646 ALL	644246.8	4250898 NonCancel	3.00E-03	3.47E-03	3.01E-05	1.98E-05	1.15E-06	3.01E-03	4.37E-03	3.00E-03	4.79E-07	0.00E+00	1.07E-07	7.61E-04	0.00E+00	0.00E+00	4.37E-03
647 ALL	644346.8	4250898 NonCancel	2.49E-03	2.88E-03	2.51E-05	1.59E-05	9.57E-07	2.50E-03	3.61E-03	2.49E-03	4.14E-07	0.00E+00	8.88E-08	6.33E-04	0.00E+00	0.00E+00	3.61E-03
648 ALL	644446.8	4250898 NonCancel	2.11E-03	2.44E-03	2.14E-05	1.32E-05	8.12E-07	2.12E-03	3.04E-03	2.11E-03	3.65E-07	0.00E+00	7.62E-08	5.37E-04	0.00E+00	0.00E+00	3.04E-03
649 ALL	644546.8	4250898 NonCancel	1.82E-03	2.10E-03	1.84E-05	1.14E-05	7.00E-07	1.82E-03	2.61E-03	1.82E-03	3.26E-07	0.00E+00	6.68E-08	4.63E-04	0.00E+00	0.00E+00	2.61E-03
650 ALL	644646.8	4250898 NonCancel	1.59E-03	1.83E-03	1.60E-05	1.01E-05	6.13E-07	1.59E-03	2.28E-03	1.59E-03	2.95E-07	0.00E+00	5.95E-08	4.04E-04	0.00E+00	0.00E+00	2.28E-03
651 ALL	644746.8	4250898 NonCancel	1.40E-03	1.62E-03	1.41E-05	9.04E-06	5.43E-07	1.41E-03	2.01E-03	1.40E-03	2.69E-07	0.00E+00	5.38E-08	3.57E-04	0.00E+00	0.00E+00	2.01E-03
652 ALL	644846.8	4250898 NonCancel	1.25E-03	1.45E-03	1.25E-05	8.27E-06	4.86E-07	1.26E-03	1.79E-03	1.25E-03	2.47E-07	0.00E+00	4.91E-08	3.19E-04	0.00E+00	0.00E+00	1.79E-03
653 ALL	644946.8	4250898 NonCancel	1.13E-03	1.30E-03	1.12E-05	7.66E-06	4.39E-07	1.13E-03	1.61E-03	1.13E-03	2.28E-07	0.00E+00	4.53E-08	2.87E-04	0.00E+00	0.00E+00	1.61E-03
654 ALL	645046.8	4250898 NonCancel	1.02E-03	1.18E-03	1.01E-05	7.18E-06	4.00E-07	1.03E-03	1.46E-03	1.02E-03	2.12E-07	0.00E+00	4.21E-08	2.60E-04	0.00E+00	0.00E+00	1.46E-03
655 ALL	645146.8	4250898 NonCancel	9.36E-04	1.08E-03	9.20E-06	6.79E-06	3.67E-07	9.41E-04	1.33E-03	9.36E-04	1.98E-07	0.00E+00	3.94E-08	2.37E-04	0.00E+00	0.00E+00	1.33E-03
656 ALL	645246.8	4250898 NonCancel	8.61E-04	9.95E-04	8.40E-06	6.47E-06	3.39E-07	8.65E-04	1.22E-03	8.61E-04	1.86E-07	0.00E+00	3.70E-08	2.18E-04	0.00E+00	0.00E+00	1.22E-03
657 ALL	645346.8	4250898 NonCancel	7.95E-04	9.18E-04	7.69E-06	6.20E-06	3.14E-07	7.99E-04	1.13E-03	7.95E-04	1.75E-07	0.00E+00	3.50E-08	2.00E-04	0.00E+00	0.00E+00	1.13E-03
658 ALL	642446.8	4250998 NonCancel	1.31E-03	1.52E-03	1.29E-05	9.43E-06	5.22E-07	1.32E-03	1.88E-03	1.31E-03	3.35E-07	0.00E+00	6.33E-08	3.35E-04	0.00E+00	0.00E+00	1.88E-03
659 ALL	642546.8	4250998 NonCancel	1.49E-03	1.72E-03	1.47E-05	1.03E-05	5.91E-07	1.49E-03	2.14E-03	1.49E-03	3.77E-07	0.00E+00	7.10E-08	3.81E-04	0.00E+00	0.00E+00	2.14E-03
660 ALL	642646.8	4250998 NonCancel	1.71E-03	1.97E-03	1.71E-05	1.15E-05	6.78E-07	1.71E-03	2.46E-03	1.71E-03	4.32E-07	0.00E+00	8.13E-08	4.39E-04	0.00E+00	0.00E+00	2.46E-03
661 ALL	642746.8	4250998 NonCancel	2.00E-03	2.31E-03	2.01E-05	1.31E-05	7.93E-07	2.01E-03	2.89E-03	2.00E-03	5.07E-07	0.00E+00	9.55E-08	5.15E-04	0.00E+00	0.00E+00	2.89E-03
662 ALL	642846.8	4250998 NonCancel	2.39E-03	2.76E-03	2.41E-05	1.54E-05	9.49E-07	2.40E-03	3.47E-03	2.39E-03	6.13E-07	0.00E+00	1.16E-07	6.17E-04	0.00E+00	0.00E+00	3.47E-03
663 ALL	642946.8	4250998 NonCancel	2.96E-03	3.42E-03	2.98E-05	1.93E-05	1.18E-06	2.97E-03	4.33E-03	2.96E-03	7.74E-07	0.00E+00	1.48E-07	7.66E-04	0.00E+00	0.00E+00	4.33E-03
664 ALL	643046.8	4250998 NonCancel	3.88E-03	4.49E-03	3.85E-05	2.69E-05	1.56E-06	3.90E-03	5.71E-03	3.88E-03	1.04E-06	0.00E+00	2.05E-07	1.00E-03	0.00E+00	0.00E+00	5.71E-03
665 ALL	643146.8	4250998 NonCancel	5.45E-03	6.29E-03	5.25E-05	4.30E-05	2.22E-06	5.48E-03	8.04E-03	5.45E-03	1.51E-06	0.00E+00	3.08E-07	1.40E-03	0.00E+00	0.00E+00	8.04E-03
666 ALL	643246.8	4250998 NonCancel	8.05E-03	9.28E-03	7.46E-05	7.32E-05	3.34E-06	8.09E-03	1.19E-02	8.05E-03	2.41E-06	0.00E+00	5.00E-07	2.05E-03	0.00E+00	0.00E+00	1.19E-02
667 ALL	643346.8	4250998 NonCancel	1.15E-02	1.33E-02	1.09E-04	9.85E-05	4.87E-06	1.16E-02	1.75E-02	1.15E-02	4.01E-06	0.00E+00	8.17E-07	2.99E-03	0.00E+00	0.00E+00	1.75E-02
668 ALL	643446.8	4250998 NonCancel	1.85E-02	2.14E-02	1.94E-04	9.51E-05	7.39E-06	1.85E-02	2.78E-02	1.85E-02	5.13E-06	0.00E+00	9.73E-07	4.90E-03	0.00E+00	0.00E+00	2.78E-02
669 ALL	643546.8	4250998 NonCancel	2.82E-02	3.26E-02	2.92E-04	1.56E-04	1.10E-05	2.83E-02	4.12E-02	2.82E-02	5.89E-06	0.00E+00	1.15E-06	7.30E-03	0.00E+00	0.00E+00	4.12E-02
670 ALL	643646.8	4250998 NonCancel	3.25E-02	3.75E-02	3.11E-04	2.63E-04	1.27E-05	3.27E-02	4.69E-02	3.25E-02	5.43E-06	0.00E+00	1.27E-06	8.12E-03	0.00E+00	0.00E+00	4.69E-02
671 ALL	643746.8	4250998 NonCancel	2.73E-02	3.15E-02	2.49E-04	2.62E-04	1.07E-05	2.75E-02	3.96E-02	2.73E-02	3.88E-06	0.00E+00	1.05E-06	6.69E-03	0.00E+00	0.00E+00	3.96E-02
672 ALL	643846.8	4250998 NonCancel	1.70E-02	1.96E-02	1.53E-04	1.71E-04	6.68E-06	1.71E-02	2.47E-02	1.70E-02	2.30E-06	0.00E+00	6.55E-07	4.14E-03	0.00E+00	0.00E+00	2.47E-02
673 ALL	643946.8	4250998 NonCancel	9.33E-03	1.07E-02	8.38E-05	9.34E-05	3.67E-06	9.38E-03	1.35E-02	9.33E-03	1.34E-06	0.00E+00	3.73E-07	2.28E-03	0.00E+00	0.00E+00	1.35E-02
674 ALL	644046.8	4250998 NonCancel	5.79E-03	6.67E-03	5.35E-05	5.29E-05	2.27E-06	5.82E-03	8.38E-03	5.79E-03	8.74E-07	0.00E+00	2.27E-07	1.43E-03	0.00E+00	0.00E+00	8.38E-03

675 ALL	644146.8	4250998	NonCancel	4.04E-03	4.66E-03	3.85E-05	3.35E-05	1.58E-06	4.06E-03	5.86E-03	4.04E-03	6.43E-07	0.00E+00	1.56E-07	1.01E-03	0.00E+00	0.00E+00	5.86E-03
676 ALL	644246.8	4250998	NonCancel	3.09E-03	3.57E-03	3.01E-05	2.35E-05	1.20E-06	3.11E-03	4.48E-03	3.09E-03	5.16E-07	0.00E+00	1.18E-07	7.77E-04	0.00E+00	0.00E+00	4.48E-03
677 ALL	644346.8	4250998	NonCancel	2.52E-03	2.92E-03	2.49E-05	1.79E-05	9.78E-07	2.53E-03	3.64E-03	2.52E-03	4.36E-07	0.00E+00	9.54E-08	6.38E-04	0.00E+00	0.00E+00	3.64E-03
678 ALL	644446.8	4250998	NonCancel	2.13E-03	2.47E-03	2.13E-05	1.45E-05	8.26E-07	2.14E-03	3.07E-03	2.13E-03	3.80E-07	0.00E+00	8.05E-08	5.41E-04	0.00E+00	0.00E+00	3.07E-03
679 ALL	644546.8	4250998	NonCancel	1.84E-03	2.13E-03	1.84E-05	1.22E-05	7.12E-07	1.85E-03	2.64E-03	1.84E-03	3.38E-07	0.00E+00	6.97E-08	4.67E-04	0.00E+00	0.00E+00	2.64E-03
680 ALL	644646.8	4250998	NonCancel	1.61E-03	1.86E-03	1.61E-05	1.06E-05	6.23E-07	1.61E-03	2.30E-03	1.61E-03	3.04E-07	0.00E+00	6.17E-08	4.09E-04	0.00E+00	0.00E+00	2.30E-03
681 ALL	644746.8	4250998	NonCancel	1.42E-03	1.64E-03	1.42E-05	9.46E-06	5.52E-07	1.43E-03	2.03E-03	1.42E-03	2.76E-07	0.00E+00	5.54E-08	3.61E-04	0.00E+00	0.00E+00	2.03E-03
682 ALL	644846.8	4250998	NonCancel	1.27E-03	1.46E-03	1.26E-05	8.58E-06	4.93E-07	1.27E-03	1.81E-03	1.27E-03	2.52E-07	0.00E+00	5.03E-08	3.22E-04	0.00E+00	0.00E+00	1.81E-03
683 ALL	644946.8	4250998	NonCancel	1.14E-03	1.32E-03	1.13E-05	7.90E-06	4.45E-07	1.14E-03	1.62E-03	1.14E-03	2.32E-07	0.00E+00	4.62E-08	2.89E-04	0.00E+00	0.00E+00	1.62E-03
684 ALL	645046.8	4250998	NonCancel	1.03E-03	1.19E-03	1.02E-05	7.36E-06	4.40E-07	1.04E-03	1.47E-03	1.03E-03	2.15E-07	0.00E+00	4.28E-08	2.62E-04	0.00E+00	0.00E+00	1.47E-03
685 ALL	645146.8	4250998	NonCancel	9.43E-04	1.09E-03	9.24E-06	6.93E-06	3.70E-07	9.47E-04	1.34E-03	9.43E-04	2.01E-07	0.00E+00	3.99E-08	2.38E-04	0.00E+00	0.00E+00	1.34E-03
686 ALL	645246.8	4250998	NonCancel	8.64E-04	9.98E-04	8.40E-06	6.57E-06	3.40E-07	8.68E-04	1.23E-03	8.64E-04	1.87E-07	0.00E+00	3.74E-08	2.18E-04	0.00E+00	0.00E+00	1.23E-03
687 ALL	645346.8	4250998	NonCancel	7.95E-04	9.17E-04	7.65E-06	6.28E-06	3.14E-07	7.98E-04	1.13E-03	7.94E-04	1.75E-07	0.00E+00	3.52E-08	2.00E-04	0.00E+00	0.00E+00	1.13E-03
688 ALL	642446.8	4251098	NonCancel	1.38E-03	1.59E-03	1.33E-05	1.08E-05	5.53E-07	1.39E-03	1.98E-03	1.38E-03	3.62E-07	0.00E+00	6.92E-08	3.50E-04	0.00E+00	0.00E+00	1.98E-03
689 ALL	642546.8	4251098	NonCancel	1.57E-03	1.81E-03	1.53E-05	1.18E-05	6.27E-07	1.57E-03	2.25E-03	1.57E-03	4.12E-07	0.00E+00	7.82E-08	4.00E-04	0.00E+00	0.00E+00	2.25E-03
690 ALL	642646.8	4251098	NonCancel	1.81E-03	2.10E-03	1.79E-05	1.31E-05	7.25E-07	1.82E-03	2.61E-03	1.81E-03	4.80E-07	0.00E+00	9.04E-08	4.64E-04	0.00E+00	0.00E+00	2.61E-03
691 ALL	642746.8	4251098	NonCancel	2.15E-03	2.48E-03	2.13E-05	1.50E-05	8.59E-07	2.16E-03	3.11E-03	2.15E-03	5.74E-07	0.00E+00	1.08E-07	5.52E-04	0.00E+00	0.00E+00	3.11E-03
692 ALL	642846.8	4251098	NonCancel	2.61E-03	3.02E-03	2.60E-05	1.80E-05	1.05E-06	2.62E-03	3.79E-03	2.61E-03	7.00E-07	0.00E+00	1.32E-07	6.73E-04	0.00E+00	0.00E+00	3.79E-03
693 ALL	642946.8	4251098	NonCancel	3.31E-03	3.83E-03	3.27E-05	2.36E-05	1.33E-06	3.33E-03	4.81E-03	3.31E-03	8.90E-07	0.00E+00	1.71E-07	8.52E-04	0.00E+00	0.00E+00	4.81E-03
694 ALL	643046.8	4251098	NonCancel	4.36E-03	5.04E-03	4.21E-05	3.41E-05	1.76E-06	4.38E-03	6.35E-03	4.36E-03	1.18E-06	0.00E+00	2.34E-07	1.12E-03	0.00E+00	0.00E+00	6.35E-03
695 ALL	643146.8	4251098	NonCancel	5.87E-03	6.77E-03	5.50E-05	5.15E-05	2.40E-06	5.90E-03	8.56E-03	5.87E-03	1.63E-06	0.00E+00	3.33E-07	1.49E-03	0.00E+00	0.00E+00	8.56E-03
696 ALL	643246.8	4251098	NonCancel	8.04E-03	9.27E-03	7.48E-05	7.23E-05	3.34E-06	8.09E-03	1.19E-02	8.04E-03	2.55E-06	0.00E+00	5.09E-07	2.05E-03	0.00E+00	0.00E+00	1.19E-02
697 ALL	643346.8	4251098	NonCancel	1.11E-02	1.28E-02	1.10E-04	7.49E-05	4.51E-06	1.11E-02	1.65E-02	1.11E-02	3.34E-06	0.00E+00	6.45E-07	2.89E-03	0.00E+00	0.00E+00	1.65E-02
698 ALL	643446.8	4251098	NonCancel	1.66E-02	1.92E-02	1.77E-04	7.47E-05	6.45E-06	1.66E-02	2.42E-02	1.66E-02	3.82E-06	0.00E+00	7.02E-07	4.37E-03	0.00E+00	0.00E+00	2.42E-02
699 ALL	643546.8	4251098	NonCancel	2.03E-02	2.35E-02	2.09E-04	1.16E-04	7.87E-06	2.04E-02	2.93E-02	2.03E-02	4.18E-06	0.00E+00	8.14E-07	5.24E-03	0.00E+00	0.00E+00	2.93E-02
700 ALL	643646.8	4251098	NonCancel	2.22E-02	2.56E-02	2.10E-04	1.86E-04	8.73E-06	2.23E-02	3.18E-02	2.22E-02	4.10E-06	0.00E+00	9.28E-07	5.54E-03	0.00E+00	0.00E+00	3.18E-02
701 ALL	643746.8	4251098	NonCancel	2.04E-02	2.34E-02	1.80E-04	2.13E-04	8.10E-06	2.05E-02	2.91E-02	2.03E-02	3.50E-06	0.00E+00	8.93E-07	4.95E-03	0.00E+00	0.00E+00	2.91E-02
702 ALL	643846.8	4251098	NonCancel	1.58E-02	1.81E-02	1.35E-04	1.79E-04	6.31E-06	1.59E-02	2.24E-02	1.58E-02	2.52E-06	0.00E+00	6.95E-07	3.80E-03	0.00E+00	0.00E+00	2.24E-02
703 ALL	643946.8	4251098	NonCancel	1.04E-02	1.19E-02	8.89E-05	1.19E-04	4.16E-06	1.05E-02	1.48E-02	1.04E-02	1.65E-06	0.00E+00	4.61E-07	2.50E-03	0.00E+00	0.00E+00	1.48E-02
704 ALL	644046.8	4251098	NonCancel	6.63E-03	7.61E-03	5.77E-05	7.24E-05	2.64E-06	6.67E-03	9.46E-03	6.63E-03	1.08E-06	0.00E+00	2.92E-07	1.60E-03	0.00E+00	0.00E+00	9.46E-03
705 ALL	644146.8	4251098	NonCancel	4.56E-03	5.25E-03	4.12E-05	4.48E-05	1.80E-06	4.59E-03	6.53E-03	4.56E-03	7.57E-07	0.00E+00	1.93E-07	1.12E-03	0.00E+00	0.00E+00	6.53E-03
706 ALL	644246.8	4251098	NonCancel	3.37E-03	3.89E-03	3.15E-05	2.99E-05	1.33E-06	3.39E-03	4.84E-03	3.37E-03	5.75E-07	0.00E+00	1.38E-07	8.36E-04	0.00E+00	0.00E+00	4.84E-03
707 ALL	644346.8	4251098	NonCancel	2.64E-03	3.04E-03	2.52E-05	2.16E-05	1.03E-06	2.65E-03	3.78E-03	2.64E-03	4.68E-07	0.00E+00	1.06E-07	6.59E-04	0.00E+00	0.00E+00	3.78E-03
708 ALL	644446.8	4251098	NonCancel	2.17E-03	2.50E-03	2.10E-05	1.67E-05	8.47E-07	2.18E-03	3.11E-03	2.17E-03	3.99E-07	0.00E+00	8.69E-08	5.45E-04	0.00E+00	0.00E+00	3.11E-03
709 ALL	644546.8	4251098	NonCancel	1.85E-03	2.14E-03	1.81E-05	1.36E-05	7.22E-07	1.86E-03	2.65E-03	1.85E-03	3.50E-07	0.00E+00	7.40E-08	4.67E-04	0.00E+00	0.00E+00	2.65E-03
710 ALL	644646.8	4251098	NonCancel	1.62E-03	1.87E-03	1.59E-05	1.16E-05	6.30E-07	1.62E-03	2.31E-03	1.62E-03	3.13E-07	0.00E+00	6.48E-08	4.09E-04	0.00E+00	0.00E+00	2.31E-03
711 ALL	644746.8	4251098	NonCancel	1.43E-03	1.65E-03	1.41E-05	1.02E-05	5.59E-07	1.44E-03	2.04E-03	1.43E-03	2.84E-07	0.00E+00	5.78E-08	3.63E-04	0.00E+00	0.00E+00	2.04E-03
712 ALL	644846.8	4251098	NonCancel	1.28E-03	1.48E-03	1.26E-05	9.14E-06	5.01E-07	1.29E-03	1.83E-03	1.28E-03	2.59E-07	0.00E+00	5.23E-08	3.24E-04	0.00E+00	0.00E+00	1.83E-03
713 ALL	644946.8	4251098	NonCancel	1.15E-03	1.33E-03	1.14E-05	8.35E-06	4.52E-07	1.16E-03	1.64E-03	1.15E-03	2.38E-07	0.00E+00	4.78E-08	2.92E-04	0.00E+00	0.00E+00	1.64E-03
714 ALL	645046.8	4251098	NonCancel	1.05E-03	1.21E-03	1.02E-05	7.72E-06	4.10E-07	1.05E-03	1.49E-03	1.05E-03	2.20E-07	0.00E+00	4.41E-08	2.64E-04	0.00E+00	0.00E+00	1.49E-03
715 ALL	645146.8	4251098	NonCancel	9.53E-04	1.10E-03	9.28E-06	7.22E-06	3.75E-07	9.58E-04	1.35E-03	9.53E-04	2.04E-07	0.00E+00	4.09E-08	2.41E-04	0.00E+00	0.00E+00	1.35E-03
716 ALL	645246.8	4251098	NonCancel	8.71E-04	1.01E-03	8.42E-06	6.80E-06	3.44E-07	8.75E-04	1.24E-03	8.71E-04	1.90E-07	0.00E+00	3.81E-08	2.19E-04	0.00E+00	0.00E+00	1.24E-03
717 ALL	645346.8	4251098	NonCancel	8.01E-04	9.25E-04	7.68E-06	6.46E-06	3.17E-07	8.05E-04	1.14E-03	8.01E-04	1.77E-07	0.00E+00	3.58E-08	2.01E-04	0.00E+00	0.00E+00	1.14E-03
718 ALL	642446.8	4251198	NonCancel	1.46E-03	1.68E-03	1.38E-05	1.21E-05	5.88E-07	1.46E-03	2.09E-03	1.46E-03	3.94E-07	0.00E+00	7.59E-08	3.68E-04	0.00E+00	0.00E+00	2.09E-03
719 ALL	642546.8	4251198	NonCancel	1.67E-03	1.93E-03	1.61E-05	1.32E-05	6.73E-07	1.68E-03	2.40E-03	1.67E-03	4.54E-07	0.00E+00	8.65E-08	4.24E-04	0.00E+00	0.00E+00	2.40E-03
720 ALL	642646.8	4251198	NonCancel	1.94E-03	2.24E-03	1.89E-05	1.47E-05	7.82E-07	1.95E-03	2.80E-03	1.94E-03	5.29E-07	0.00E+00	1.00E-07	4.96E-04	0.00E+00	0.00E+00	2.80E-03
721 ALL	642746.8	4251198	NonCancel	2.33E-03	2.69E-03	2.28E-05	1.72E-05	9.34E-07	2.34E-03	3.35E-03	2.32E-03	6.31E-07	0.00E+00	1.19E-07	5.95E-04	0.00E+00	0.00E+00	3.35E-03
722 ALL	642846.8	4251198	NonCancel	2.83E-03	3.27E-03	2.76E-05	2.14E-05	1.14E-06	2.84E-03	4.09E-03	2.83E-03	7.61E-07	0.00E+00	1.46E-07	7.24E-04	0.00E+00	0.00E+00	4.09E-03
723 ALL	642946.8	4251198	NonCancel	3.56E-03	4.11E-03	3.41E-05	2.87E-05	1.44E-06	3.58E-03	5.14E-03	3.56E-03	9.53E-07	0.00E+00	1.88E-07	9.06E-04	0.00E+00	0.00E+00	5.14E-03
724 ALL	643046.8	4251198	NonCancel	4.61E-03	5.31E-03	4.32E-05	4.05E-05	1.88E-06	4.63E-03	6.65E-03	4.61E-03	1.25E-06	0.00E+00	2.52E-07	1.16E-03	0.00E+00	0.00E+00	6.65E-03
725 ALL	643146.8	4251198	NonCancel	5.90E-03	6.80E-03	5.45E-05	5.45E-05	2.43E-06	5.94E-03	8.58E-03	5.90E-03	1.74E-06	0.00E+00	3.48E-07	1.49E-03	0.00E+00	0.00E+00	8.58E-03
726 ALL	643246.8	4251198	NonCancel	7.69E-03														

727 ALL	643346.8	4251198 NonCancel	1.07E-02	1.24E-02	1.11E-04	5.89E-05	4.24E-06	1.08E-02	1.57E-02	1.07E-02	2.75E-06	0.00E+00	5.10E-07	2.81E-03	0.00E+00	0.00E+00	1.57E-02
728 ALL	643446.8	4251198 NonCancel	1.37E-02	1.59E-02	1.46E-04	6.28E-05	5.29E-06	1.37E-02	1.97E-02	1.37E-02	3.01E-06	0.00E+00	5.46E-07	3.58E-03	0.00E+00	0.00E+00	1.97E-02
729 ALL	643546.8	4251198 NonCancel	1.54E-02	1.79E-02	1.57E-04	9.43E-05	6.01E-06	1.55E-02	2.22E-02	1.54E-02	3.21E-06	0.00E+00	6.28E-07	3.96E-03	0.00E+00	0.00E+00	2.22E-02
730 ALL	643646.8	4251198 NonCancel	1.65E-02	1.90E-02	1.55E-04	1.43E-04	6.51E-06	1.66E-02	2.35E-02	1.65E-02	3.22E-06	0.00E+00	7.17E-07	4.11E-03	0.00E+00	0.00E+00	2.35E-02
731 ALL	643746.8	4251198 NonCancel	1.57E-02	1.80E-02	1.37E-04	1.70E-04	6.30E-06	1.58E-02	2.23E-02	1.57E-02	2.97E-06	0.00E+00	7.35E-07	3.81E-03	0.00E+00	0.00E+00	2.23E-02
732 ALL	643846.8	4251198 NonCancel	1.34E-02	1.54E-02	1.12E-04	1.64E-04	5.44E-06	1.35E-02	1.90E-02	1.34E-02	2.44E-06	0.00E+00	6.51E-07	3.21E-03	0.00E+00	0.00E+00	1.90E-02
733 ALL	643946.8	4251198 NonCancel	1.03E-02	1.18E-02	8.46E-05	1.30E-04	4.19E-06	1.04E-02	1.45E-02	1.03E-02	1.81E-06	0.00E+00	5.00E-07	2.46E-03	0.00E+00	0.00E+00	1.45E-02
734 ALL	644046.8	4251198 NonCancel	7.23E-03	8.28E-03	5.96E-05	8.97E-05	2.93E-06	7.28E-03	1.02E-02	7.23E-03	1.27E-06	0.00E+00	3.49E-07	1.72E-03	0.00E+00	0.00E+00	1.02E-02
735 ALL	644146.8	4251198 NonCancel	5.03E-03	5.78E-03	4.27E-05	5.85E-05	2.03E-06	5.07E-03	7.14E-03	5.03E-03	8.98E-07	0.00E+00	2.37E-07	1.21E-03	0.00E+00	0.00E+00	7.14E-03
736 ALL	644246.8	4251198 NonCancel	3.70E-03	4.25E-03	3.27E-05	3.88E-05	1.48E-06	3.72E-03	5.26E-03	3.70E-03	6.64E-07	0.00E+00	1.67E-07	9.02E-04	0.00E+00	0.00E+00	5.26E-03
737 ALL	644346.8	4251198 NonCancel	2.86E-03	3.29E-03	2.61E-05	2.71E-05	1.13E-06	2.87E-03	4.07E-03	2.86E-03	5.19E-07	0.00E+00	1.24E-07	7.04E-04	0.00E+00	0.00E+00	4.07E-03
738 ALL	644446.8	4251198 NonCancel	2.29E-03	2.64E-03	2.15E-05	2.01E-05	9.04E-07	2.30E-03	3.27E-03	2.29E-03	4.27E-07	0.00E+00	9.71E-08	5.69E-04	0.00E+00	0.00E+00	3.27E-03
739 ALL	644546.8	4251198 NonCancel	1.90E-03	2.19E-03	1.81E-05	1.59E-05	7.49E-07	1.91E-03	2.72E-03	1.90E-03	3.66E-07	0.00E+00	8.02E-08	4.75E-04	0.00E+00	0.00E+00	2.72E-03
740 ALL	644646.8	4251198 NonCancel	1.63E-03	1.88E-03	1.56E-05	1.31E-05	6.42E-07	1.64E-03	2.33E-03	1.63E-03	3.23E-07	0.00E+00	6.89E-08	4.09E-04	0.00E+00	0.00E+00	2.33E-03
741 ALL	644746.8	4251198 NonCancel	1.43E-03	1.66E-03	1.38E-05	1.12E-05	5.64E-07	1.44E-03	2.04E-03	1.43E-03	2.91E-07	0.00E+00	6.07E-08	3.61E-04	0.00E+00	0.00E+00	2.04E-03
742 ALL	644846.8	4251198 NonCancel	1.28E-03	1.48E-03	1.24E-05	9.93E-06	5.04E-07	1.29E-03	1.83E-03	1.28E-03	2.65E-07	0.00E+00	5.46E-08	3.23E-04	0.00E+00	0.00E+00	1.83E-03
743 ALL	644946.8	4251198 NonCancel	1.16E-03	1.34E-03	1.12E-05	8.97E-06	4.56E-07	1.16E-03	1.65E-03	1.16E-03	2.44E-07	0.00E+00	4.97E-08	2.92E-04	0.00E+00	0.00E+00	1.65E-03
744 ALL	645046.8	4251198 NonCancel	1.05E-03	1.21E-03	1.01E-05	8.22E-06	4.14E-07	1.06E-03	1.49E-03	1.05E-03	2.24E-07	0.00E+00	4.56E-08	2.65E-04	0.00E+00	0.00E+00	1.49E-03
745 ALL	645146.8	4251198 NonCancel	9.62E-04	1.11E-03	9.25E-06	7.64E-06	3.80E-07	9.67E-04	1.37E-03	9.62E-04	2.08E-07	0.00E+00	4.23E-08	2.42E-04	0.00E+00	0.00E+00	1.37E-03
746 ALL	645246.8	4251198 NonCancel	8.80E-04	1.02E-03	8.42E-06	7.16E-06	3.49E-07	8.85E-04	1.25E-03	8.80E-04	1.93E-07	0.00E+00	3.93E-08	2.21E-04	0.00E+00	0.00E+00	1.25E-03
747 ALL	645346.8	4251198 NonCancel	8.11E-04	9.35E-04	7.70E-06	6.77E-06	3.22E-07	8.15E-04	1.15E-03	8.11E-04	1.80E-07	0.00E+00	3.68E-08	2.03E-04	0.00E+00	0.00E+00	1.15E-03
748 ALL	642446.8	4251298 NonCancel	1.55E-03	1.79E-03	1.46E-05	1.35E-05	6.30E-07	1.56E-03	2.22E-03	1.55E-03	4.28E-07	0.00E+00	8.31E-08	3.91E-04	0.00E+00	0.00E+00	2.22E-03
749 ALL	642546.8	4251298 NonCancel	1.79E-03	2.07E-03	1.70E-05	1.49E-05	7.24E-07	1.80E-03	2.57E-03	1.79E-03	4.93E-07	0.00E+00	9.48E-08	4.54E-04	0.00E+00	0.00E+00	2.57E-03
750 ALL	642646.8	4251298 NonCancel	2.06E-03	2.38E-03	1.98E-05	1.66E-05	8.32E-07	2.07E-03	2.96E-03	2.06E-03	5.59E-07	0.00E+00	1.08E-07	5.24E-04	0.00E+00	0.00E+00	2.96E-03
751 ALL	642746.8	4251298 NonCancel	2.47E-03	2.85E-03	2.36E-05	2.00E-05	9.95E-07	2.48E-03	3.54E-03	2.47E-03	6.64E-07	0.00E+00	1.29E-07	6.26E-04	0.00E+00	0.00E+00	3.54E-03
752 ALL	642846.8	4251298 NonCancel	3.01E-03	3.47E-03	2.84E-05	2.56E-05	1.22E-06	3.03E-03	4.32E-03	3.01E-03	8.08E-07	0.00E+00	1.60E-07	7.61E-04	0.00E+00	0.00E+00	4.32E-03
753 ALL	642946.8	4251298 NonCancel	3.71E-03	4.27E-03	3.43E-05	3.37E-05	1.51E-06	3.73E-03	5.32E-03	3.70E-03	9.98E-07	0.00E+00	2.02E-07	9.31E-04	0.00E+00	0.00E+00	5.32E-03
754 ALL	643046.8	4251298 NonCancel	4.62E-03	5.32E-03	4.22E-05	4.41E-05	1.90E-06	4.65E-03	6.65E-03	4.62E-03	1.31E-06	0.00E+00	2.64E-07	1.16E-03	0.00E+00	0.00E+00	6.65E-03
755 ALL	643146.8	4251298 NonCancel	5.78E-03	6.66E-03	5.35E-05	5.29E-05	2.39E-06	5.81E-03	8.41E-03	5.78E-03	1.79E-06	0.00E+00	3.51E-07	1.46E-03	0.00E+00	0.00E+00	8.41E-03
756 ALL	643246.8	4251298 NonCancel	7.53E-03	8.70E-03	7.44E-05	5.33E-05	3.04E-06	7.56E-03	1.10E-02	7.52E-03	2.15E-06	0.00E+00	4.06E-07	1.94E-03	0.00E+00	0.00E+00	1.10E-02
757 ALL	643346.8	4251298 NonCancel	9.81E-03	1.14E-02	1.03E-04	4.94E-05	3.82E-06	9.84E-03	1.41E-02	9.81E-03	2.30E-06	0.00E+00	4.18E-07	2.56E-03	0.00E+00	0.00E+00	1.41E-02
758 ALL	643446.8	4251298 NonCancel	1.12E-02	1.30E-02	1.18E-04	5.59E-05	4.34E-06	1.12E-02	1.61E-02	1.12E-02	2.47E-06	0.00E+00	4.50E-07	2.92E-03	0.00E+00	0.00E+00	1.61E-02
759 ALL	643546.8	4251298 NonCancel	1.23E-02	1.42E-02	1.23E-04	8.15E-05	4.80E-06	1.23E-02	1.76E-02	1.23E-02	2.61E-06	0.00E+00	5.15E-07	3.13E-03	0.00E+00	0.00E+00	1.76E-02
760 ALL	643646.8	4251298 NonCancel	1.29E-02	1.49E-02	1.20E-04	1.17E-04	5.14E-06	1.30E-02	1.84E-02	1.29E-02	2.63E-06	0.00E+00	5.84E-07	3.21E-03	0.00E+00	0.00E+00	1.84E-02
761 ALL	643746.8	4251298 NonCancel	1.25E-02	1.44E-02	1.08E-04	1.40E-04	5.07E-06	1.26E-02	1.77E-02	1.25E-02	2.51E-06	0.00E+00	6.12E-07	3.04E-03	0.00E+00	0.00E+00	1.77E-02
762 ALL	643846.8	4251298 NonCancel	1.13E-02	1.29E-02	9.20E-05	1.43E-04	4.61E-06	1.14E-02	1.59E-02	1.13E-02	2.23E-06	0.00E+00	5.79E-07	2.69E-03	0.00E+00	0.00E+00	1.59E-02
763 ALL	643946.8	4251298 NonCancel	9.51E-03	1.09E-02	7.55E-05	1.27E-04	3.90E-06	9.58E-03	1.33E-02	9.51E-03	1.82E-06	0.00E+00	4.93E-07	2.25E-03	0.00E+00	0.00E+00	1.33E-02
764 ALL	644046.8	4251298 NonCancel	7.36E-03	8.42E-03	5.82E-05	9.95E-05	3.02E-06	7.41E-03	1.03E-02	7.36E-03	1.38E-06	0.00E+00	3.81E-07	1.74E-03	0.00E+00	0.00E+00	1.03E-02
765 ALL	644146.8	4251298 NonCancel	5.42E-03	6.20E-03	4.35E-05	7.10E-05	2.21E-06	5.45E-03	7.62E-03	5.41E-03	1.02E-06	0.00E+00	2.77E-07	1.28E-03	0.00E+00	0.00E+00	7.62E-03
766 ALL	644246.8	4251298 NonCancel	4.00E-03	4.59E-03	3.32E-05	4.90E-05	1.63E-06	4.03E-03	5.66E-03	4.00E-03	7.62E-07	0.00E+00	1.99E-07	9.58E-04	0.00E+00	0.00E+00	5.66E-03
767 ALL	644346.8	4251298 NonCancel	3.08E-03	3.53E-03	2.66E-05	3.41E-05	1.24E-06	3.09E-03	4.36E-03	3.08E-03	5.87E-07	0.00E+00	1.46E-07	7.46E-04	0.00E+00	0.00E+00	4.36E-03
768 ALL	644446.8	4251298 NonCancel	2.46E-03	2.82E-03	2.20E-05	2.48E-05	9.81E-07	2.47E-03	3.49E-03	2.46E-03	4.71E-07	0.00E+00	1.12E-07	6.02E-04	0.00E+00	0.00E+00	3.49E-03
769 ALL	644546.8	4251298 NonCancel	2.02E-03	2.32E-03	1.85E-05	1.89E-05	8.01E-07	2.03E-03	2.86E-03	2.02E-03	3.93E-07	0.00E+00	8.96E-08	4.98E-04	0.00E+00	0.00E+00	2.86E-03
770 ALL	644646.8	4251298 NonCancel	1.70E-03	1.96E-03	1.58E-05	1.52E-05	6.73E-07	1.71E-03	2.41E-03	1.70E-03	3.39E-07	0.00E+00	7.48E-08	4.21E-04	0.00E+00	0.00E+00	2.41E-03
771 ALL	644746.8	4251298 NonCancel	1.46E-03	1.69E-03	1.37E-05	1.27E-05	5.80E-07	1.47E-03	2.08E-03	1.46E-03	3.00E-07	0.00E+00	6.46E-08	3.65E-04	0.00E+00	0.00E+00	2.08E-03
772 ALL	644846.8	4251298 NonCancel	1.29E-03	1.49E-03	1.22E-05	1.10E-05	5.11E-07	1.30E-03	1.83E-03	1.29E-03	2.71E-07	0.00E+00	5.73E-08	3.22E-04	0.00E+00	0.00E+00	1.83E-03
773 ALL	644946.8	4251298 NonCancel	1.16E-03	1.34E-03	1.10E-05	9.78E-06	4.59E-07	1.16E-03	1.65E-03	1.16E-03	2.48E-07	0.00E+00	5.18E-08	2.90E-04	0.00E+00	0.00E+00	1.65E-03
774 ALL	645046.8	4251298 NonCancel	1.05E-03	1.21E-03	9.97E-06	8.87E-06	4.18E-07	1.06E-03	1.49E-03	1.05E-03	2.29E-07	0.00E+00	4.74E-08	2.63E-04	0.00E+00	0.00E+00	1.49E-03
775 ALL	645146.8	4251298 NonCancel	9.62E-04	1.11E-03	9.10E-06	8.17E-06	3.82E-07	9.67E-04	1.37E-03	9.62E-04	2.12E-07	0.00E+00	4.37E-08	2.41E-04	0.00E+00	0.00E+00	1.37E-03
776 ALL	645246.8	4251298 NonCancel	8.84E-04	1.02E-03	8.32E-06	7.61E-06	3.52E-07	8.89E-04	1.25E-03	8.84E-04	1.96E-07	0.00E+00	4.06E-08	2.21E-04	0.00E+00	0.00E+00	1.25E-03
777 ALL	645346.8	4251298 NonCancel	8.16E-04	9.41E-04	7.64E-06	7.16E-06	3.25E-07	8.21E-04	1.16E-03	8.16E-04	1.83E-07	0.00E+00	3.79E-08	2.04E-04	0.00E+00	0.00E+00	1.16E-03
778 ALL	642446.8	4251398 NonCancel	1.65E-03	1.91E-03	1.53E-05	1.51E-05	6.73E-07	1.66E-03	2.36E-03	1.65E-03	4.57E-07	0.00E+00	8.99E-08	4.15E-04	0.00E+00	0.00E+00	2.36E-03

779 ALL	642546.8	4251398 NonCancel	1.89E-03	2.17E-03	1.77E-05	1.66E-05	7.66E-07	1.90E-03	2.70E-03	1.89E-03	5.16E-07	0.00E+00	1.01E-07	4.75E-04	0.00E+00	0.00E+00	2.70E-03
780 ALL	642646.8	4251398 NonCancel	2.19E-03	2.53E-03	2.05E-05	1.93E-05	8.90E-07	2.20E-03	3.14E-03	2.19E-03	5.94E-07	0.00E+00	1.17E-07	5.52E-04	0.00E+00	0.00E+00	3.14E-03
781 ALL	642746.8	4251398 NonCancel	2.60E-03	3.00E-03	2.41E-05	2.37E-05	1.06E-06	2.62E-03	3.72E-03	2.60E-03	7.03E-07	0.00E+00	1.41E-07	6.53E-04	0.00E+00	0.00E+00	3.72E-03
782 ALL	642846.8	4251398 NonCancel	3.15E-03	3.63E-03	2.87E-05	3.03E-05	1.29E-06	3.17E-03	4.50E-03	3.15E-03	8.55E-07	0.00E+00	1.74E-07	7.88E-04	0.00E+00	0.00E+00	4.50E-03
783 ALL	642946.8	4251398 NonCancel	3.78E-03	4.35E-03	3.40E-05	3.78E-05	1.55E-06	3.80E-03	5.41E-03	3.78E-03	1.05E-06	0.00E+00	2.15E-07	9.41E-04	0.00E+00	0.00E+00	5.41E-03
784 ALL	643046.8	4251398 NonCancel	4.52E-03	5.20E-03	4.08E-05	4.47E-05	1.87E-06	4.55E-03	6.51E-03	4.52E-03	1.35E-06	0.00E+00	2.70E-07	1.13E-03	0.00E+00	0.00E+00	6.51E-03
785 ALL	643146.8	4251398 NonCancel	5.65E-03	6.52E-03	5.33E-05	4.83E-05	2.32E-06	5.68E-03	8.19E-03	5.65E-03	1.71E-06	0.00E+00	3.29E-07	1.44E-03	0.00E+00	0.00E+00	8.19E-03
786 ALL	643246.8	4251398 NonCancel	7.27E-03	8.41E-03	7.36E-05	4.59E-05	2.89E-06	7.30E-03	1.05E-02	7.27E-03	1.88E-06	0.00E+00	3.49E-07	1.88E-03	0.00E+00	0.00E+00	1.05E-02
787 ALL	643346.8	4251398 NonCancel	8.60E-03	9.97E-03	9.02E-05	4.40E-05	3.34E-06	8.63E-03	1.23E-02	8.60E-03	1.97E-06	0.00E+00	3.56E-07	2.24E-03	0.00E+00	0.00E+00	1.23E-02
788 ALL	643446.8	4251398 NonCancel	9.34E-03	1.08E-02	9.66E-05	5.20E-05	3.64E-06	9.38E-03	1.34E-02	9.34E-03	2.09E-06	0.00E+00	3.86E-07	2.42E-03	0.00E+00	0.00E+00	1.34E-02
789 ALL	643546.8	4251398 NonCancel	1.01E-02	1.16E-02	9.90E-05	7.33E-05	3.97E-06	1.01E-02	1.44E-02	1.01E-02	2.19E-06	0.00E+00	4.39E-07	2.56E-03	0.00E+00	0.00E+00	1.44E-02
790 ALL	643646.8	4251398 NonCancel	1.05E-02	1.21E-02	9.63E-05	1.00E-04	4.21E-06	1.06E-02	1.49E-02	1.05E-02	2.23E-06	0.00E+00	4.95E-07	2.61E-03	0.00E+00	0.00E+00	1.49E-02
791 ALL	643746.8	4251398 NonCancel	1.03E-02	1.19E-02	8.82E-05	1.19E-04	4.20E-06	1.04E-02	1.46E-02	1.03E-02	2.16E-06	0.00E+00	5.22E-07	2.50E-03	0.00E+00	0.00E+00	1.46E-02
792 ALL	643846.8	4251398 NonCancel	9.56E-03	1.09E-02	7.70E-05	1.25E-04	3.93E-06	9.63E-03	1.34E-02	9.56E-03	1.99E-06	0.00E+00	5.10E-07	2.27E-03	0.00E+00	0.00E+00	1.34E-02
793 ALL	643946.8	4251398 NonCancel	8.47E-03	9.68E-03	6.57E-05	1.18E-04	3.50E-06	8.53E-03	1.19E-02	8.46E-03	1.73E-06	0.00E+00	4.63E-07	1.99E-03	0.00E+00	0.00E+00	1.19E-02
794 ALL	644046.8	4251398 NonCancel	7.09E-03	8.10E-03	5.43E-05	1.01E-04	2.93E-06	7.14E-03	9.91E-03	7.08E-03	1.41E-06	0.00E+00	3.88E-07	1.66E-03	0.00E+00	0.00E+00	9.91E-03
795 ALL	644146.8	4251398 NonCancel	5.57E-03	6.37E-03	4.28E-05	7.94E-05	2.31E-06	5.61E-03	7.80E-03	5.57E-03	1.11E-06	0.00E+00	3.03E-07	1.31E-03	0.00E+00	0.00E+00	7.80E-03
796 ALL	644246.8	4251398 NonCancel	4.27E-03	4.88E-03	3.35E-05	5.84E-05	1.76E-06	4.30E-03	5.99E-03	4.26E-03	8.50E-07	0.00E+00	2.29E-07	1.01E-03	0.00E+00	0.00E+00	5.99E-03
797 ALL	644346.8	4251398 NonCancel	3.29E-03	3.77E-03	2.67E-05	4.20E-05	1.35E-06	3.31E-03	4.64E-03	3.29E-03	6.59E-07	0.00E+00	1.71E-07	7.84E-04	0.00E+00	0.00E+00	4.64E-03
798 ALL	644446.8	4251398 NonCancel	2.61E-03	3.00E-03	2.21E-05	3.06E-05	1.06E-06	2.63E-03	3.69E-03	2.61E-03	5.24E-07	0.00E+00	1.30E-07	6.30E-04	0.00E+00	0.00E+00	3.69E-03
799 ALL	644546.8	4251398 NonCancel	2.14E-03	2.46E-03	1.87E-05	2.29E-05	8.61E-07	2.15E-03	3.03E-03	2.14E-03	4.30E-07	0.00E+00	1.02E-07	5.21E-04	0.00E+00	0.00E+00	3.03E-03
800 ALL	644646.8	4251398 NonCancel	1.79E-03	2.06E-03	1.61E-05	1.80E-05	7.17E-07	1.80E-03	2.54E-03	1.79E-03	3.63E-07	0.00E+00	8.34E-08	4.40E-04	0.00E+00	0.00E+00	2.54E-03
801 ALL	644746.8	4251398 NonCancel	1.53E-03	1.76E-03	1.39E-05	1.46E-05	6.10E-07	1.54E-03	2.17E-03	1.53E-03	3.15E-07	0.00E+00	7.04E-08	3.77E-04	0.00E+00	0.00E+00	2.17E-03
802 ALL	644846.8	4251398 NonCancel	1.33E-03	1.53E-03	1.22E-05	1.24E-05	5.30E-07	1.34E-03	1.88E-03	1.33E-03	2.80E-07	0.00E+00	6.12E-08	3.29E-04	0.00E+00	0.00E+00	1.88E-03
803 ALL	644946.8	4251398 NonCancel	1.18E-03	1.36E-03	1.09E-05	1.08E-05	4.69E-07	1.18E-03	1.67E-03	1.18E-03	2.54E-07	0.00E+00	5.45E-08	2.92E-04	0.00E+00	0.00E+00	1.67E-03
804 ALL	645046.8	4251398 NonCancel	1.06E-03	1.22E-03	9.78E-06	9.66E-06	4.22E-07	1.06E-03	1.50E-03	1.06E-03	2.32E-07	0.00E+00	4.94E-08	2.63E-04	0.00E+00	0.00E+00	1.50E-03
805 ALL	645146.8	4251398 NonCancel	9.62E-04	1.11E-03	8.90E-06	8.79E-06	3.85E-07	9.67E-04	1.36E-03	9.62E-04	2.15E-07	0.00E+00	4.53E-08	2.39E-04	0.00E+00	0.00E+00	1.36E-03
806 ALL	645246.8	4251398 NonCancel	8.82E-04	1.02E-03	8.14E-06	8.12E-06	3.53E-07	8.87E-04	1.25E-03	8.82E-04	1.99E-07	0.00E+00	4.19E-08	2.19E-04	0.00E+00	0.00E+00	1.25E-03
807 ALL	645346.8	4251398 NonCancel	8.16E-04	9.39E-04	7.50E-06	7.59E-06	3.27E-07	8.20E-04	1.15E-03	8.15E-04	1.85E-07	0.00E+00	3.91E-08	2.02E-04	0.00E+00	0.00E+00	1.15E-03
808 ALL	642446.8	4251498 NonCancel	1.72E-03	1.98E-03	1.56E-05	1.65E-05	7.01E-07	1.73E-03	2.45E-03	1.72E-03	4.71E-07	0.00E+00	9.44E-08	4.29E-04	0.00E+00	0.00E+00	2.45E-03
809 ALL	642546.8	4251498 NonCancel	1.97E-03	2.27E-03	1.80E-05	1.90E-05	8.05E-07	1.98E-03	2.81E-03	1.97E-03	5.38E-07	0.00E+00	1.08E-07	4.92E-04	0.00E+00	0.00E+00	2.81E-03
810 ALL	642646.8	4251498 NonCancel	2.31E-03	2.66E-03	2.09E-05	2.28E-05	9.46E-07	2.33E-03	3.29E-03	2.31E-03	6.31E-07	0.00E+00	1.28E-07	5.75E-04	0.00E+00	0.00E+00	3.29E-03
811 ALL	642746.8	4251498 NonCancel	2.73E-03	3.13E-03	2.43E-05	2.80E-05	1.12E-06	2.74E-03	3.88E-03	2.73E-03	7.44E-07	0.00E+00	1.53E-07	6.75E-04	0.00E+00	0.00E+00	3.88E-03
812 ALL	642846.8	4251498 NonCancel	3.15E-03	3.62E-03	2.78E-05	3.32E-05	1.30E-06	3.17E-03	4.49E-03	3.15E-03	8.67E-07	0.00E+00	1.80E-07	7.78E-04	0.00E+00	0.00E+00	4.49E-03
813 ALL	642946.8	4251498 NonCancel	3.71E-03	4.27E-03	3.27E-05	3.93E-05	1.54E-06	3.74E-03	5.31E-03	3.71E-03	1.08E-06	0.00E+00	2.21E-07	9.20E-04	0.00E+00	0.00E+00	5.31E-03
814 ALL	643046.8	4251498 NonCancel	4.47E-03	5.15E-03	4.05E-05	4.38E-05	1.85E-06	4.50E-03	6.44E-03	4.47E-03	1.37E-06	0.00E+00	2.70E-07	1.12E-03	0.00E+00	0.00E+00	6.44E-03
815 ALL	643146.8	4251498 NonCancel	5.57E-03	6.43E-03	5.38E-05	4.36E-05	2.26E-06	5.60E-03	8.03E-03	5.57E-03	1.57E-06	0.00E+00	2.99E-07	1.42E-03	0.00E+00	0.00E+00	8.03E-03
816 ALL	643246.8	4251498 NonCancel	6.76E-03	7.82E-03	6.89E-05	4.09E-05	2.66E-06	6.79E-03	9.67E-03	6.76E-03	1.65E-06	0.00E+00	3.05E-07	1.75E-03	0.00E+00	0.00E+00	9.67E-03
817 ALL	643346.8	4251498 NonCancel	7.47E-03	8.65E-03	7.74E-05	4.11E-05	2.91E-06	7.50E-03	1.07E-02	7.47E-03	1.72E-06	0.00E+00	3.12E-07	1.94E-03	0.00E+00	0.00E+00	1.07E-02
818 ALL	643446.8	4251498 NonCancel	7.96E-03	9.21E-03	8.06E-05	4.98E-05	3.12E-06	7.99E-03	1.14E-02	7.95E-03	1.81E-06	0.00E+00	3.41E-07	2.04E-03	0.00E+00	0.00E+00	1.14E-02
819 ALL	643546.8	4251498 NonCancel	8.51E-03	9.82E-03	8.17E-05	6.78E-05	3.37E-06	8.55E-03	1.21E-02	8.50E-03	1.90E-06	0.00E+00	3.86E-07	2.14E-03	0.00E+00	0.00E+00	1.21E-02
820 ALL	643646.8	4251498 NonCancel	8.85E-03	1.02E-02	7.94E-05	8.89E-05	3.56E-06	8.90E-03	1.25E-02	8.85E-03	1.93E-06	0.00E+00	4.31E-07	2.18E-03	0.00E+00	0.00E+00	1.25E-02
821 ALL	643746.8	4251498 NonCancel	8.75E-03	1.00E-02	7.35E-05	1.04E-04	3.57E-06	8.81E-03	1.23E-02	8.75E-03	1.89E-06	0.00E+00	4.55E-07	2.11E-03	0.00E+00	0.00E+00	1.23E-02
822 ALL	643846.8	4251498 NonCancel	8.24E-03	9.43E-03	6.56E-05	1.10E-04	3.40E-06	8.30E-03	1.16E-02	8.24E-03	1.78E-06	0.00E+00	4.52E-07	1.95E-03	0.00E+00	0.00E+00	1.16E-02
823 ALL	643946.8	4251498 NonCancel	7.49E-03	8.55E-03	5.72E-05	1.08E-04	3.12E-06	7.54E-03	1.05E-02	7.49E-03	1.61E-06	0.00E+00	4.25E-07	1.76E-03	0.00E+00	0.00E+00	1.05E-02
824 ALL	644046.8	4251498 NonCancel	6.59E-03	7.52E-03	4.92E-05	9.82E-05	2.75E-06	6.64E-03	9.20E-03	6.59E-03	1.39E-06	0.00E+00	3.77E-07	1.53E-03	0.00E+00	0.00E+00	9.20E-03
825 ALL	644146.8	4251498 NonCancel	5.50E-03	6.28E-03	4.09E-05	8.28E-05	2.30E-06	5.54E-03	7.68E-03	5.50E-03	1.14E-06	0.00E+00	3.14E-07	1.28E-03	0.00E+00	0.00E+00	7.68E-03
826 ALL	644246.8	4251498 NonCancel	4.41E-03	5.03E-03	3.31E-05	6.54E-05	1.84E-06	4.44E-03	6.17E-03	4.41E-03	9.14E-07	0.00E+00	2.50E-07	1.03E-03	0.00E+00	0.00E+00	6.17E-03
827 ALL	644346.8	4251498 NonCancel	3.48E-03	3.98E-03	2.68E-05	4.95E-05	1.44E-06	3.51E-03	4.88E-03	3.48E-03	7.25E-07	0.00E+00	1.94E-07	8.17E-04	0.00E+00	0.00E+00	4.88E-03
828 ALL	644446.8	4251498 NonCancel	2.77E-03	3.17E-03	2.21E-05	3.69E-05	1.14E-06	2.79E-03	3.90E-03	2.77E-03	5.79E-07	0.00E+00	1.50E-07	6.57E-04	0.00E+00	0.00E+00	3.90E-03
829 ALL	644546.8	4251498 NonCancel	2.26E-03	2.59E-03	1.87E-05	2.77E-05	9.23E-07	2.27E-03	3.18E-03	2.26E-03	4.72E-07	0.00E+00	1.17E-07	5.42E-04	0.00E+00	0.00E+00	3.18E-03
830 ALL	644646.8	4251498 NonCancel	1.88E-03	2.16E-03	1.61E-05	2.14E-05	7.64E-07	1.90E-03	2.66E-03	1.88E-03	3.94E-07	0.00E+00	9.42E-08	4.56E-04	0.00E+00	0.00E+00	2.66E-03

831 ALL	644746.8	4251498 NonCancel	1.60E-03	1.84E-03	1.41E-05	1.71E-05	6.46E-07	1.61E-03	2.27E-03	1.60E-03	3.36E-07	0.00E+00	7.80E-08	3.91E-04	0.00E+00	0.00E+00	2.27E-03
832 ALL	644846.8	4251498 NonCancel	1.39E-03	1.60E-03	1.24E-05	1.42E-05	5.59E-07	1.40E-03	1.96E-03	1.39E-03	2.95E-07	0.00E+00	6.66E-08	3.41E-04	0.00E+00	0.00E+00	1.96E-03
833 ALL	644946.8	4251498 NonCancel	1.22E-03	1.40E-03	1.10E-05	1.21E-05	4.89E-07	1.23E-03	1.72E-03	1.22E-03	2.63E-07	0.00E+00	5.83E-08	3.00E-04	0.00E+00	0.00E+00	1.72E-03
834 ALL	645046.8	4251498 NonCancel	1.08E-03	1.25E-03	9.80E-06	1.07E-05	4.35E-07	1.09E-03	1.53E-03	1.08E-03	2.39E-07	0.00E+00	5.21E-08	2.67E-04	0.00E+00	0.00E+00	1.53E-03
835 ALL	645146.8	4251498 NonCancel	9.74E-04	1.12E-03	8.81E-06	9.55E-06	3.92E-07	9.80E-04	1.38E-03	9.74E-04	2.18E-07	0.00E+00	4.72E-08	2.40E-04	0.00E+00	0.00E+00	1.38E-03
836 ALL	645246.8	4251498 NonCancel	8.85E-04	1.02E-03	8.00E-06	8.72E-06	3.56E-07	8.90E-04	1.25E-03	8.85E-04	2.01E-07	0.00E+00	4.33E-08	2.18E-04	0.00E+00	0.00E+00	1.25E-03
837 ALL	645346.8	4251498 NonCancel	8.14E-04	9.36E-04	7.33E-06	8.08E-06	3.28E-07	8.19E-04	1.15E-03	8.14E-04	1.87E-07	0.00E+00	4.02E-08	2.01E-04	0.00E+00	0.00E+00	1.15E-03
838 ALL	642446.8	4251598 NonCancel	1.79E-03	2.06E-03	1.58E-05	1.87E-05	7.35E-07	1.80E-03	2.54E-03	1.79E-03	4.90E-07	0.00E+00	1.01E-07	4.42E-04	0.00E+00	0.00E+00	2.54E-03
839 ALL	642546.8	4251598 NonCancel	2.04E-03	2.35E-03	1.80E-05	2.17E-05	8.39E-07	2.05E-03	2.90E-03	2.04E-03	5.58E-07	0.00E+00	1.16E-07	5.03E-04	0.00E+00	0.00E+00	2.90E-03
840 ALL	642646.8	4251598 NonCancel	2.34E-03	2.69E-03	2.04E-05	2.56E-05	9.65E-07	2.36E-03	3.32E-03	2.34E-03	6.38E-07	0.00E+00	1.34E-07	5.76E-04	0.00E+00	0.00E+00	3.32E-03
841 ALL	642746.8	4251598 NonCancel	2.76E-03	3.17E-03	2.37E-05	3.12E-05	1.14E-06	2.78E-03	3.91E-03	2.76E-03	7.62E-07	0.00E+00	1.61E-07	6.76E-04	0.00E+00	0.00E+00	3.91E-03
842 ALL	642846.8	4251598 NonCancel	3.13E-03	3.59E-03	2.69E-05	3.54E-05	1.30E-06	3.15E-03	4.45E-03	3.13E-03	8.93E-07	0.00E+00	1.87E-07	7.68E-04	0.00E+00	0.00E+00	4.45E-03
843 ALL	642946.8	4251598 NonCancel	3.62E-03	4.16E-03	3.17E-05	3.89E-05	1.50E-06	3.64E-03	5.18E-03	3.62E-03	1.09E-06	0.00E+00	2.21E-07	8.96E-04	0.00E+00	0.00E+00	5.18E-03
844 ALL	643046.8	4251598 NonCancel	4.43E-03	5.11E-03	4.08E-05	4.14E-05	1.82E-06	4.46E-03	6.37E-03	4.43E-03	1.32E-06	0.00E+00	2.58E-07	1.12E-03	0.00E+00	0.00E+00	6.37E-03
845 ALL	643146.8	4251598 NonCancel	5.40E-03	6.23E-03	5.28E-05	3.98E-05	2.16E-06	5.42E-03	7.72E-03	5.39E-03	1.43E-06	0.00E+00	2.70E-07	1.38E-03	0.00E+00	0.00E+00	7.72E-03
846 ALL	643246.8	4251598 NonCancel	6.13E-03	7.09E-03	6.23E-05	3.78E-05	2.41E-06	6.15E-03	8.74E-03	6.13E-03	1.47E-06	0.00E+00	2.71E-07	1.58E-03	0.00E+00	0.00E+00	8.74E-03
847 ALL	643346.8	4251598 NonCancel	6.53E-03	7.56E-03	6.66E-05	3.96E-05	2.56E-06	6.56E-03	9.32E-03	6.53E-03	1.52E-06	0.00E+00	2.81E-07	1.68E-03	0.00E+00	0.00E+00	9.32E-03
848 ALL	643446.8	4251598 NonCancel	6.91E-03	7.98E-03	6.84E-05	4.84E-05	2.72E-06	6.94E-03	9.84E-03	6.90E-03	1.60E-06	0.00E+00	3.08E-07	1.76E-03	0.00E+00	0.00E+00	9.84E-03
849 ALL	643546.8	4251598 NonCancel	7.33E-03	8.46E-03	6.89E-05	6.38E-05	2.93E-06	7.37E-03	1.04E-02	7.33E-03	1.67E-06	0.00E+00	3.47E-07	1.84E-03	0.00E+00	0.00E+00	1.04E-02
850 ALL	643646.8	4251598 NonCancel	7.60E-03	8.74E-03	6.69E-05	8.08E-05	3.08E-06	7.65E-03	1.07E-02	7.60E-03	1.70E-06	0.00E+00	3.84E-07	1.86E-03	0.00E+00	0.00E+00	1.07E-02
851 ALL	643746.8	4251598 NonCancel	7.56E-03	8.66E-03	6.25E-05	9.34E-05	3.10E-06	7.61E-03	1.06E-02	7.56E-03	1.67E-06	0.00E+00	4.05E-07	1.81E-03	0.00E+00	0.00E+00	1.06E-02
852 ALL	643846.8	4251598 NonCancel	7.21E-03	8.24E-03	5.66E-05	9.86E-05	2.99E-06	7.26E-03	1.01E-02	7.21E-03	1.60E-06	0.00E+00	4.05E-07	1.70E-03	0.00E+00	0.00E+00	1.01E-02
853 ALL	643946.8	4251598 NonCancel	6.66E-03	7.60E-03	5.02E-05	9.81E-05	2.78E-06	6.71E-03	9.32E-03	6.66E-03	1.48E-06	0.00E+00	3.88E-07	1.56E-03	0.00E+00	0.00E+00	9.32E-03
854 ALL	644046.8	4251598 NonCancel	6.03E-03	6.87E-03	4.42E-05	9.27E-05	2.53E-06	6.07E-03	8.42E-03	6.02E-03	1.32E-06	0.00E+00	3.57E-07	1.40E-03	0.00E+00	0.00E+00	8.42E-03
855 ALL	644146.8	4251598 NonCancel	5.27E-03	6.01E-03	3.82E-05	8.26E-05	2.22E-06	5.31E-03	7.35E-03	5.27E-03	1.14E-06	0.00E+00	3.13E-07	1.22E-03	0.00E+00	0.00E+00	7.35E-03
856 ALL	644246.8	4251598 NonCancel	4.42E-03	5.04E-03	3.20E-05	6.93E-05	1.86E-06	4.45E-03	6.16E-03	4.42E-03	9.47E-07	0.00E+00	2.61E-07	1.02E-03	0.00E+00	0.00E+00	6.16E-03
857 ALL	644346.8	4251598 NonCancel	3.61E-03	4.11E-03	2.65E-05	5.53E-05	1.51E-06	3.64E-03	5.04E-03	3.61E-03	7.74E-07	0.00E+00	2.11E-07	8.36E-04	0.00E+00	0.00E+00	5.04E-03
858 ALL	644446.8	4251598 NonCancel	2.92E-03	3.34E-03	2.20E-05	4.29E-05	1.22E-06	2.94E-03	4.09E-03	2.92E-03	6.29E-07	0.00E+00	1.68E-07	6.82E-04	0.00E+00	0.00E+00	4.09E-03
859 ALL	644546.8	4251598 NonCancel	2.38E-03	2.72E-03	1.86E-05	3.29E-05	9.88E-07	2.40E-03	3.35E-03	2.38E-03	5.15E-07	0.00E+00	1.33E-07	5.62E-04	0.00E+00	0.00E+00	3.35E-03
860 ALL	644646.8	4251598 NonCancel	1.98E-03	2.26E-03	1.60E-05	2.54E-05	8.13E-07	1.99E-03	2.78E-03	1.98E-03	4.28E-07	0.00E+00	1.07E-07	4.72E-04	0.00E+00	0.00E+00	2.78E-03
861 ALL	644746.8	4251598 NonCancel	1.68E-03	1.92E-03	1.40E-05	2.01E-05	6.84E-07	1.69E-03	2.36E-03	1.68E-03	3.62E-07	0.00E+00	8.72E-08	4.04E-04	0.00E+00	0.00E+00	2.36E-03
862 ALL	644846.8	4251598 NonCancel	1.45E-03	1.66E-03	1.25E-05	1.64E-05	5.89E-07	1.46E-03	2.05E-03	1.45E-03	3.14E-07	0.00E+00	7.34E-08	3.52E-04	0.00E+00	0.00E+00	2.05E-03
863 ALL	644946.8	4251598 NonCancel	1.27E-03	1.46E-03	1.11E-05	1.38E-05	5.14E-07	1.28E-03	1.79E-03	1.27E-03	2.77E-07	0.00E+00	6.33E-08	3.10E-04	0.00E+00	0.00E+00	1.79E-03
864 ALL	645046.8	4251598 NonCancel	1.12E-03	1.29E-03	9.91E-06	1.19E-05	4.54E-07	1.13E-03	1.59E-03	1.12E-03	2.48E-07	0.00E+00	5.58E-08	2.75E-04	0.00E+00	0.00E+00	1.59E-03
865 ALL	645146.8	4251598 NonCancel	1.01E-03	1.16E-03	8.89E-06	1.05E-05	4.06E-07	1.01E-03	1.42E-03	1.01E-03	2.25E-07	0.00E+00	5.00E-08	2.46E-04	0.00E+00	0.00E+00	1.42E-03
866 ALL	645246.8	4251598 NonCancel	9.03E-04	1.04E-03	7.99E-06	9.45E-06	3.65E-07	9.08E-04	1.28E-03	9.03E-04	2.05E-07	0.00E+00	4.53E-08	2.21E-04	0.00E+00	0.00E+00	1.28E-03
867 ALL	645346.8	4251598 NonCancel	8.22E-04	9.45E-04	7.25E-06	8.66E-06	3.33E-07	8.27E-04	1.16E-03	8.22E-04	1.90E-07	0.00E+00	4.17E-08	2.01E-04	0.00E+00	0.00E+00	1.16E-03
868 ALL	642446.8	4251698 NonCancel	1.85E-03	2.13E-03	1.58E-05	2.13E-05	7.68E-07	1.87E-03	2.63E-03	1.85E-03	5.10E-07	0.00E+00	1.08E-07	4.53E-04	0.00E+00	0.00E+00	2.63E-03
869 ALL	642546.8	4251698 NonCancel	2.11E-03	2.42E-03	1.78E-05	2.48E-05	8.76E-07	2.12E-03	2.99E-03	2.11E-03	5.80E-07	0.00E+00	1.25E-07	5.14E-04	0.00E+00	0.00E+00	2.99E-03
870 ALL	642646.8	4251698 NonCancel	2.37E-03	2.72E-03	1.99E-05	2.82E-05	9.84E-07	2.38E-03	3.35E-03	2.37E-03	6.50E-07	0.00E+00	1.41E-07	5.76E-04	0.00E+00	0.00E+00	3.35E-03
871 ALL	642746.8	4251698 NonCancel	2.68E-03	3.07E-03	2.24E-05	3.21E-05	1.12E-06	2.69E-03	3.80E-03	2.68E-03	7.52E-07	0.00E+00	1.62E-07	6.51E-04	0.00E+00	0.00E+00	3.80E-03
872 ALL	642846.8	4251698 NonCancel	3.05E-03	3.49E-03	2.58E-05	3.55E-05	1.27E-06	3.06E-03	4.34E-03	3.04E-03	8.98E-07	0.00E+00	1.88E-07	7.46E-04	0.00E+00	0.00E+00	4.34E-03
873 ALL	642946.8	4251698 NonCancel	3.56E-03	4.09E-03	3.14E-05	3.76E-05	1.48E-06	3.58E-03	5.10E-03	3.56E-03	1.07E-06	0.00E+00	2.16E-07	8.84E-04	0.00E+00	0.00E+00	5.10E-03
874 ALL	643046.8	4251698 NonCancel	4.39E-03	5.06E-03	4.10E-05	3.89E-05	1.79E-06	4.41E-03	6.27E-03	4.39E-03	1.24E-06	0.00E+00	2.41E-07	1.11E-03	0.00E+00	0.00E+00	6.27E-03
875 ALL	643146.8	4251698 NonCancel	5.09E-03	5.88E-03	5.00E-05	3.71E-05	2.03E-06	5.11E-03	7.25E-03	5.09E-03	1.29E-06	0.00E+00	2.45E-07	1.30E-03	0.00E+00	0.00E+00	7.25E-03
876 ALL	643246.8	4251698 NonCancel	5.51E-03	6.38E-03	5.54E-05	3.61E-05	2.17E-06	5.54E-03	7.85E-03	5.51E-03	1.32E-06	0.00E+00	2.47E-07	1.41E-03	0.00E+00	0.00E+00	7.85E-03
877 ALL	643346.8	4251698 NonCancel	5.78E-03	6.68E-03	5.77E-05	3.90E-05	2.28E-06	5.80E-03	8.23E-03	5.78E-03	1.37E-06	0.00E+00	2.58E-07	1.48E-03	0.00E+00	0.00E+00	8.23E-03
878 ALL	643446.8	4251698 NonCancel	6.09E-03	7.03E-03	5.88E-05	4.76E-05	2.42E-06	6.12E-03	8.66E-03	6.09E-03	1.44E-06	0.00E+00	2.84E-07	1.54E-03	0.00E+00	0.00E+00	8.66E-03
879 ALL	643546.8	4251698 NonCancel	6.43E-03	7.41E-03	5.89E-05	6.08E-05	2.59E-06	6.47E-03	9.11E-03	6.43E-03	1.49E-06	0.00E+00	3.17E-07	1.60E-03	0.00E+00	0.00E+00	9.11E-03
880 ALL	643646.8	4251698 NonCancel	6.65E-03	7.64E-03	5.73E-05	7.47E-05	2.71E-06	6.69E-03	9.38E-03	6.65E-03	1.52E-06	0.00E+00	3.48E-07	1.62E-03	0.00E+00	0.00E+00	9.38E-03
881 ALL	643746.8	4251698 NonCancel	6.63E-03	7.60E-03	5.38E-05	8.52E-05	2.74E-06	6.68E-03	9.32E-03	6.63E-03	1.51E-06	0.00E+00	3.66E-07	1.59E-03	0.00E+00	0.00E+00	9.32E-03
882 ALL	643846.8	4251698 NonCancel	6.39E-03	7.30E-03	4.94E-05	8.99E-05	2.66E-06	6.44E-03	8.95E-03	6.39E-03	1.45E-06	0.00E+00	3.67E-07	1.51E-03	0.00E+00	0.00E+00	8.95E-03

883 ALL	643946.8	4251698	NonCancel	5.97E-03	6.82E-03	4.44E-05	8.99E-05	2.51E-06	6.02E-03	8.35E-03	5.97E-03	1.36E-06	0.00E+00	3.56E-07	1.39E-03	0.00E+00	0.00E+00	8.35E-03
884 ALL	644046.8	4251698	NonCancel	5.49E-03	6.26E-03	3.96E-05	8.67E-05	2.32E-06	5.54E-03	7.67E-03	5.49E-03	1.25E-06	0.00E+00	3.35E-07	1.27E-03	0.00E+00	0.00E+00	7.67E-03
885 ALL	644146.8	4251698	NonCancel	4.95E-03	5.64E-03	3.51E-05	8.01E-05	2.10E-06	4.99E-03	6.90E-03	4.95E-03	1.11E-06	0.00E+00	3.03E-07	1.14E-03	0.00E+00	0.00E+00	6.90E-03
886 ALL	644246.8	4251698	NonCancel	4.32E-03	4.92E-03	3.04E-05	7.04E-05	1.83E-06	4.35E-03	6.01E-03	4.32E-03	9.55E-07	0.00E+00	2.64E-07	9.90E-04	0.00E+00	0.00E+00	6.01E-03
887 ALL	644346.8	4251698	NonCancel	3.65E-03	4.15E-03	2.58E-05	5.91E-05	1.54E-06	3.68E-03	5.08E-03	3.65E-03	8.04E-07	0.00E+00	2.22E-07	8.37E-04	0.00E+00	0.00E+00	5.08E-03
888 ALL	644446.8	4251698	NonCancel	3.03E-03	3.45E-03	2.18E-05	4.78E-05	1.28E-06	3.05E-03	4.22E-03	3.03E-03	6.69E-07	0.00E+00	1.82E-07	6.98E-04	0.00E+00	0.00E+00	4.22E-03
889 ALL	644546.8	4251698	NonCancel	2.50E-03	2.85E-03	1.85E-05	3.78E-05	1.05E-06	2.51E-03	3.49E-03	2.50E-03	5.53E-07	0.00E+00	1.47E-07	5.80E-04	0.00E+00	0.00E+00	3.49E-03
890 ALL	644646.8	4251698	NonCancel	2.08E-03	2.37E-03	1.59E-05	2.97E-05	8.65E-07	2.09E-03	2.91E-03	2.08E-03	4.62E-07	0.00E+00	1.19E-07	4.87E-04	0.00E+00	0.00E+00	2.91E-03
891 ALL	644746.8	4251698	NonCancel	1.75E-03	2.01E-03	1.39E-05	2.35E-05	7.26E-07	1.77E-03	2.47E-03	1.75E-03	3.90E-07	0.00E+00	9.77E-08	4.16E-04	0.00E+00	0.00E+00	2.47E-03
892 ALL	644846.8	4251698	NonCancel	1.51E-03	1.73E-03	1.24E-05	1.90E-05	6.20E-07	1.52E-03	2.12E-03	1.51E-03	3.35E-07	0.00E+00	8.13E-08	3.61E-04	0.00E+00	0.00E+00	2.12E-03
893 ALL	644946.8	4251698	NonCancel	1.32E-03	1.52E-03	1.11E-05	1.57E-05	5.40E-07	1.33E-03	1.86E-03	1.32E-03	2.94E-07	0.00E+00	6.95E-08	3.19E-04	0.00E+00	0.00E+00	1.86E-03
894 ALL	645046.8	4251698	NonCancel	1.17E-03	1.34E-03	9.97E-06	1.34E-05	4.76E-07	1.17E-03	1.65E-03	1.17E-03	2.61E-07	0.00E+00	6.04E-08	2.83E-04	0.00E+00	0.00E+00	1.65E-03
895 ALL	645146.8	4251698	NonCancel	1.04E-03	1.19E-03	8.96E-06	1.16E-05	4.23E-07	1.05E-03	1.46E-03	1.04E-03	2.34E-07	0.00E+00	5.34E-08	2.53E-04	0.00E+00	0.00E+00	1.46E-03
896 ALL	645246.8	4251698	NonCancel	9.32E-04	1.07E-03	8.06E-06	1.03E-05	3.79E-07	9.37E-04	1.31E-03	9.32E-04	2.12E-07	0.00E+00	4.79E-08	2.27E-04	0.00E+00	0.00E+00	1.31E-03
897 ALL	645346.8	4251698	NonCancel	8.41E-04	9.66E-04	7.28E-06	9.34E-06	3.42E-07	8.46E-04	1.19E-03	8.41E-04	1.94E-07	0.00E+00	4.35E-08	2.05E-04	0.00E+00	0.00E+00	1.19E-03
898 ALL	643402.4	4250581	NonCancel	4.89E-03	5.62E-03	4.24E-05	5.41E-05	2.21E-06	4.92E-03	8.83E-03	4.89E-03	1.63E-06	0.00E+00	4.73E-07	1.30E-03	0.00E+00	0.00E+00	8.83E-03
899 ALL	643373.6	4250677	NonCancel	5.98E-03	6.89E-03	5.38E-05	6.00E-05	2.69E-06	6.02E-03	1.07E-02	5.98E-03	1.97E-06	0.00E+00	5.71E-07	1.61E-03	0.00E+00	0.00E+00	1.07E-02
900 ALL	643344.7	4250773	NonCancel	7.53E-03	8.67E-03	6.89E-05	7.14E-05	3.32E-06	7.57E-03	1.26E-02	7.52E-03	2.74E-06	0.00E+00	6.67E-07	2.01E-03	0.00E+00	0.00E+00	1.26E-02
901 ALL	643315.9	4250868	NonCancel	9.02E-03	1.04E-02	8.16E-05	8.87E-05	3.87E-06	9.07E-03	1.40E-02	9.01E-03	3.09E-06	0.00E+00	6.85E-07	2.33E-03	0.00E+00	0.00E+00	1.40E-02
902 ALL	643314.1	4250874	NonCancel	9.08E-03	1.04E-02	8.22E-05	8.91E-05	3.89E-06	9.13E-03	1.41E-02	9.07E-03	3.09E-06	0.00E+00	6.82E-07	2.34E-03	0.00E+00	0.00E+00	1.41E-02
903 ALL	643407.8	4250876	NonCancel	1.50E-02	1.73E-02	1.37E-04	1.44E-04	6.74E-06	1.51E-02	2.45E-02	1.50E-02	6.66E-06	0.00E+00	1.45E-06	4.01E-03	0.00E+00	0.00E+00	2.45E-02
904 ALL	643507.8	4250878	NonCancel	2.98E-02	3.45E-02	3.06E-04	1.73E-04	1.24E-05	2.99E-02	4.70E-02	2.98E-02	1.04E-05	0.00E+00	1.99E-06	8.00E-03	0.00E+00	0.00E+00	4.70E-02
905 ALL	643607.8	4250880	NonCancel	5.90E-02	6.82E-02	5.91E-04	3.91E-04	2.26E-05	5.92E-02	8.72E-02	5.90E-02	8.81E-06	0.00E+00	2.03E-06	1.49E-02	0.00E+00	0.00E+00	8.72E-02
906 ALL	643707.7	4250881	NonCancel	4.95E-02	5.73E-02	4.92E-04	3.43E-04	1.87E-05	4.98E-02	7.30E-02	4.95E-02	4.63E-06	0.00E+00	1.32E-06	1.24E-02	0.00E+00	0.00E+00	7.30E-02
907 ALL	643807.7	4250883	NonCancel	2.01E-02	2.32E-02	1.93E-04	1.62E-04	7.68E-06	2.02E-02	3.24E-02	2.01E-02	2.13E-06	0.00E+00	6.25E-07	4.97E-03	0.00E+00	0.00E+00	3.24E-02
908 ALL	643820.9	4250883	NonCancel	1.77E-02	2.04E-02	1.69E-04	1.45E-04	6.79E-06	1.78E-02	2.86E-02	1.77E-02	1.94E-06	0.00E+00	5.66E-07	4.38E-03	0.00E+00	0.00E+00	2.86E-02
909 ALL	643818.8	4250846	NonCancel	1.58E-02	1.82E-02	1.52E-04	1.23E-04	6.02E-06	1.58E-02	2.60E-02	1.57E-02	1.69E-06	0.00E+00	4.92E-07	3.92E-03	0.00E+00	0.00E+00	2.60E-02
910 ALL	643768.8	4250845	NonCancel	2.76E-02	3.20E-02	2.75E-04	1.90E-04	1.04E-05	2.78E-02	4.20E-02	2.76E-02	2.43E-06	0.00E+00	7.27E-07	6.91E-03	0.00E+00	0.00E+00	4.20E-02
911 ALL	643668.9	4250843	NonCancel	7.64E-02	8.84E-02	7.89E-04	4.28E-04	2.83E-05	7.67E-02	1.10E-01	7.64E-02	5.90E-06	0.00E+00	1.67E-06	1.93E-02	0.00E+00	0.00E+00	1.10E-01
912 ALL	643666.2	4250843	NonCancel	7.73E-02	8.95E-02	7.99E-04	4.34E-04	2.86E-05	7.76E-02	1.11E-01	7.73E-02	6.05E-06	0.00E+00	1.70E-06	1.95E-02	0.00E+00	0.00E+00	1.11E-01
913 ALL	643667.4	4250746	NonCancel	1.49E-01	1.74E-01	1.71E-03	2.92E-04	5.22E-05	1.49E-01	2.04E-01	1.49E-01	3.31E-06	0.00E+00	1.03E-06	3.87E-02	0.00E+00	0.00E+00	2.04E-01
914 ALL	643668.6	4250646	NonCancel	6.10E-02	7.10E-02	6.92E-04	1.43E-04	2.17E-05	6.12E-02	9.63E-02	6.10E-02	2.35E-06	0.00E+00	6.93E-07	1.59E-02	0.00E+00	0.00E+00	9.63E-02
915 ALL	643669.3	4250586	NonCancel	3.18E-02	3.69E-02	3.36E-04	1.54E-04	1.18E-05	3.19E-02	4.99E-02	3.18E-02	2.65E-06	0.00E+00	7.60E-07	8.17E-03	0.00E+00	0.00E+00	4.99E-02
916 ALL	643629	4250586	NonCancel	1.90E-02	2.19E-02	1.75E-04	1.76E-04	7.69E-06	1.91E-02	3.36E-02	1.90E-02	3.57E-06	0.00E+00	9.91E-07	4.80E-03	0.00E+00	0.00E+00	3.36E-02
917 ALL	643529	4250584	NonCancel	8.02E-03	9.22E-03	6.96E-05	8.92E-05	4.16E-06	8.08E-03	1.88E-02	8.02E-03	6.29E-06	0.00E+00	1.31E-06	2.32E-03	0.00E+00	0.00E+00	1.88E-02
918 ALL	643429	4250582	NonCancel	5.23E-03	6.01E-03	4.54E-05	5.77E-05	2.43E-06	5.26E-03	9.99E-03	5.22E-03	1.96E-06	0.00E+00	5.72E-07	1.42E-03	0.00E+00	0.00E+00	9.99E-03



TAYLOR
ENVIRONMENTAL
SERVICES, INC.

8-HOUR CHRONIC RISK WORKER

*HARP - HRACalc v19044 4/4/2021 1:00:09 PM - Chronic 8Hr Risk - Input File: C:\Users\M modeling Computer\Documents\VMC_Elk\ELKGROVETRUCK\hra\chronic8hrworkerHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE RESP	SKIN	EYE	BONE/TEE ENDO	BLOOD	ODOR	GENERAL	MAXHI			
1	ALL		643605.3	4250526	NonCancel	2.07E-03	6.01E-03	2.75E-03	1.13E-04	0.00E+00	2.18E-03	1.54E-02	2.07E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	1.54E-02
2	ALL		643728.5	4250904	NonCancel	5.92E-03	1.95E-02	9.41E-03	1.18E-04	0.00E+00	6.04E-03	2.36E-02	5.92E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.36E-02
3	ALL		643912.5	4250829	NonCancel	1.11E-03	3.65E-03	1.76E-03	2.28E-05	0.00E+00	1.13E-03	4.92E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	4.92E-03
4	ALL		644105.7	4250735	NonCancel	5.87E-04	1.96E-03	9.49E-04	9.57E-06	0.00E+00	5.97E-04	2.57E-03	5.87E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.57E-03
5	ALL		644093.7	4250516	NonCancel	6.54E-04	2.18E-03	1.06E-03	1.07E-05	0.00E+00	6.64E-04	2.85E-03	6.54E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	2.85E-03
6	ALL		643217.1	4250857	NonCancel	8.09E-04	2.66E-03	1.29E-03	1.59E-05	0.00E+00	8.25E-04	4.97E-03	8.09E-04	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	4.97E-03
7	ALL		643115.9	4250756	NonCancel	5.06E-04	1.68E-03	8.17E-04	8.37E-06	0.00E+00	5.14E-04	2.75E-03	5.06E-04	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	2.75E-03
8	ALL		642446.8	4248798	NonCancel	7.08E-05	2.33E-04	1.13E-04	1.39E-06	0.00E+00	7.21E-05	3.39E-04	7.08E-05	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	3.39E-04
9	ALL		642546.8	4248798	NonCancel	7.46E-05	2.46E-04	1.19E-04	1.45E-06	0.00E+00	7.61E-05	3.57E-04	7.46E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	3.57E-04
10	ALL		642646.8	4248798	NonCancel	7.90E-05	2.61E-04	1.26E-04	1.52E-06	0.00E+00	8.05E-05	3.77E-04	7.90E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	3.77E-04
11	ALL		642746.8	4248798	NonCancel	8.38E-05	2.76E-04	1.34E-04	1.61E-06	0.00E+00	8.54E-05	3.99E-04	8.38E-05	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	3.99E-04
12	ALL		642846.8	4248798	NonCancel	8.90E-05	2.94E-04	1.42E-04	1.72E-06	0.00E+00	9.07E-05	4.24E-04	8.90E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	4.24E-04
13	ALL		642946.8	4248798	NonCancel	9.45E-05	3.11E-04	1.50E-04	1.85E-06	0.00E+00	9.64E-05	4.50E-04	9.45E-05	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	4.50E-04
14	ALL		643046.8	4248798	NonCancel	1.01E-04	3.32E-04	1.60E-04	2.02E-06	0.00E+00	1.03E-04	4.80E-04	1.01E-04	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	4.80E-04
15	ALL		643146.8	4248798	NonCancel	1.06E-04	3.47E-04	1.68E-04	2.18E-06	0.00E+00	1.08E-04	5.03E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	5.03E-04
16	ALL		643246.8	4248798	NonCancel	1.09E-04	3.58E-04	1.73E-04	2.32E-06	0.00E+00	1.12E-04	5.20E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	5.20E-04
17	ALL		643346.8	4248798	NonCancel	1.11E-04	3.64E-04	1.75E-04	2.46E-06	0.00E+00	1.14E-04	5.30E-04	1.11E-04	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	5.30E-04
18	ALL		643446.8	4248798	NonCancel	1.13E-04	3.68E-04	1.77E-04	2.63E-06	0.00E+00	1.16E-04	5.39E-04	1.13E-04	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	5.39E-04
19	ALL		643546.8	4248798	NonCancel	1.15E-04	3.71E-04	1.78E-04	2.86E-06	0.00E+00	1.18E-04	5.51E-04	1.15E-04	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	5.51E-04
20	ALL		643646.8	4248798	NonCancel	1.17E-04	3.74E-04	1.79E-04	3.19E-06	0.00E+00	1.20E-04	5.71E-04	1.17E-04	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	5.71E-04
21	ALL		643746.8	4248798	NonCancel	1.21E-04	3.85E-04	1.83E-04	3.65E-06	0.00E+00	1.25E-04	6.05E-04	1.21E-04	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	6.05E-04
22	ALL		643846.8	4248798	NonCancel	1.28E-04	4.04E-04	1.91E-04	4.25E-06	0.00E+00	1.33E-04	6.51E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	6.51E-04
23	ALL		643946.8	4248798	NonCancel	1.38E-04	4.29E-04	2.02E-04	5.00E-06	0.00E+00	1.43E-04	7.11E-04	1.38E-04	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	7.11E-04
24	ALL		644046.8	4248798	NonCancel	1.50E-04	4.61E-04	2.16E-04	5.93E-06	0.00E+00	1.56E-04	7.87E-04	1.50E-04	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	7.87E-04
25	ALL		644146.8	4248798	NonCancel	1.64E-04	4.99E-04	2.33E-04	6.93E-06	0.00E+00	1.71E-04	8.72E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	8.72E-04
26	ALL		644246.8	4248798	NonCancel	1.79E-04	5.40E-04	2.52E-04	7.88E-06	0.00E+00	1.87E-04	9.56E-04	1.79E-04	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	9.56E-04
27	ALL		644346.8	4248798	NonCancel	1.91E-04	5.74E-04	2.67E-04	8.60E-06	0.00E+00	1.99E-04	1.02E-03	1.91E-04	0.00E+00	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	1.02E-03
28	ALL		644446.8	4248798	NonCancel	1.98E-04	5.94E-04	2.76E-04	9.00E-06	0.00E+00	2.07E-04	1.06E-03	1.98E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.06E-03
29	ALL		644546.8	4248798	NonCancel	1.99E-04	5.99E-04	2.79E-04	9.06E-06	0.00E+00	2.08E-04	1.06E-03	1.99E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.06E-03
30	ALL		644646.8	4248798	NonCancel	1.96E-04	5.89E-04	2.74E-04	8.85E-06	0.00E+00	2.05E-04	1.03E-03	1.96E-04	0.00E+00	0.00E+00	0.00E+00	9.72E-05	0.00E+00	0.00E+00	1.03E-03
31	ALL		644746.8	4248798	NonCancel	1.88E-04	5.66E-04	2.63E-04	8.43E-06	0.00E+00	1.96E-04	9.88E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	9.88E-04
32	ALL		644846.8	4248798	NonCancel	1.77E-04	5.35E-04	2.49E-04	7.92E-06	0.00E+00	1.85E-04	9.31E-04	1.77E-04	0.00E+00	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00	9.31E-04
33	ALL		644946.8	4248798	NonCancel	1.68E-04	5.06E-04	2.36E-04	7.47E-06	0.00E+00	1.75E-04	8.80E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	8.80E-04
34	ALL		645046.8	4248798	NonCancel	1.58E-04	4.78E-04	2.23E-04	7.03E-06	0.00E+00	1.65E-04	8.31E-04	1.58E-04	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	8.31E-04
35	ALL		645146.8	4248798	NonCancel	1.51E-04	4.57E-04	2.13E-04	6.70E-06	0.00E+00	1.58E-04	7.94E-04	1.51E-04	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	7.94E-04
36	ALL		645246.8	4248798	NonCancel	1.42E-04	4.29E-04	2.00E-04	6.18E-06	0.00E+00	1.48E-04	7.41E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	7.41E-04
37	ALL		645346.8	4248798	NonCancel	1.33E-04	4.05E-04	1.89E-04	5.75E-06	0.00E+00	1.39E-04	6.97E-04	1.33E-04	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	6.97E-04
38	ALL		642446.8	4248898	NonCancel	7.31E-05	2.41E-04	1.17E-04	1.39E-06	0.00E+00	7.45E-05	3.50E-04	7.31E-05	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	3.50E-04
39	ALL		642546.8	4248898	NonCancel	7.72E-05	2.55E-04	1.23E-04	1.46E-06	0.00E+00	7.87E-05	3.69E-04	7.72E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	3.69E-04
40	ALL		642646.8	4248898	NonCancel	8.20E-05	2.71E-04	1.31E-04	1.53E-06	0.00E+00	8.35E-05	3.91E-04	8.20E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	3.91E-04
41	ALL		642746.8	4248898	NonCancel	8.73E-05	2.89E-04	1.40E-04	1.62E-06	0.00E+00	8.89E-05	4.15E-04	8.73E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	4.15E-04
42	ALL		642846.8	4248898	NonCancel	9.32E-05	3.08E-04	1.49E-04	1.74E-06	0.00E+00	9.49E-05	4.42E-04	9.32E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	4.42E-04
43	ALL		642946.8	4248898	NonCancel	9.86E-05	3.25E-04	1.57E-04	1.87E-06	0.00E+00	1.00E-04	4.68E-04	9.86E-05	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	4.68E-04
44	ALL		643046.8	4248898	NonCancel	1.05E-04	3.46E-04	1.67E-04	2.03E-06	0.00E+00	1.07E-04	4.99E-04	1.05E-04	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	4.99E-04
45	ALL		643146.8	4248898	NonCancel	1.12E-04	3.67E-04	1.77E-04	2.23E-06	0.00E+00	1.14E-04	5.30E-04	1.12E-04	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	5.30E-04
46	ALL		643246.8	4248898	NonCancel	1.15E-04	3.78E-04	1.82E-04	2.37E-06	0.00E+00	1.18E-04	5.46E-04	1.15E-04	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	5.46E-04
47	ALL		643346.8	4248898	NonCancel	1.18E-04	3.88E-04	1.87E-04	2.55E-06	0.00E+00	1.21E-04	5.62E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	5.62E-04
48	ALL		643446.8	4248898	NonCancel	1.21E-04	3.94E-04	1.90E-04	2.74E-06	0.00E+00	1.24E-04	5.74E-04	1.21E-04	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	5.74E-04
49	ALL		643546.8	4248898	NonCancel	1.22E-04	3.97E-04	1.90E-04	2.99E-06	0.00E+00	1.25E-04	5.87E								

51 ALL	643746.8	4248898	NonCancel	1.30E-04	4.14E-04	1.97E-04	3.90E-06	0.00E+00	1.34E-04	6.49E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	6.49E-04
52 ALL	643846.8	4248898	NonCancel	1.39E-04	4.37E-04	2.07E-04	4.60E-06	0.00E+00	1.43E-04	7.05E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	7.05E-04
53 ALL	643946.8	4248898	NonCancel	1.50E-04	4.67E-04	2.20E-04	5.50E-06	0.00E+00	1.56E-04	7.78E-04	1.50E-04	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	7.78E-04
54 ALL	644046.8	4248898	NonCancel	1.65E-04	5.06E-04	2.37E-04	6.57E-06	0.00E+00	1.71E-04	8.67E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	8.67E-04
55 ALL	644146.8	4248898	NonCancel	1.81E-04	5.50E-04	2.57E-04	7.67E-06	0.00E+00	1.88E-04	9.62E-04	1.81E-04	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	9.62E-04
56 ALL	644246.8	4248898	NonCancel	1.96E-04	5.94E-04	2.77E-04	8.64E-06	0.00E+00	2.05E-04	1.05E-03	1.96E-04	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	1.05E-03
57 ALL	644346.8	4248898	NonCancel	2.08E-04	6.26E-04	2.92E-04	9.27E-06	0.00E+00	2.17E-04	1.11E-03	2.08E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.11E-03
58 ALL	644446.8	4248898	NonCancel	2.12E-04	6.41E-04	2.98E-04	9.50E-06	0.00E+00	2.22E-04	1.13E-03	2.12E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.13E-03
59 ALL	644546.8	4248898	NonCancel	2.11E-04	6.38E-04	2.97E-04	9.39E-06	0.00E+00	2.21E-04	1.11E-03	2.11E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.11E-03
60 ALL	644646.8	4248898	NonCancel	2.05E-04	6.19E-04	2.89E-04	9.03E-06	0.00E+00	2.14E-04	1.07E-03	2.05E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.07E-03
61 ALL	644746.8	4248898	NonCancel	1.95E-04	5.88E-04	2.74E-04	8.52E-06	0.00E+00	2.03E-04	1.02E-03	1.95E-04	0.00E+00	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	1.02E-03
62 ALL	644846.8	4248898	NonCancel	1.83E-04	5.53E-04	2.58E-04	7.95E-06	0.00E+00	1.91E-04	9.53E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	9.53E-04
63 ALL	644946.8	4248898	NonCancel	1.71E-04	5.19E-04	2.42E-04	7.42E-06	0.00E+00	1.79E-04	8.94E-04	1.71E-04	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	8.94E-04
64 ALL	645046.8	4248898	NonCancel	1.61E-04	4.90E-04	2.29E-04	6.94E-06	0.00E+00	1.68E-04	8.41E-04	1.61E-04	0.00E+00	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	8.41E-04
65 ALL	645146.8	4248898	NonCancel	1.53E-04	4.66E-04	2.18E-04	6.54E-06	0.00E+00	1.60E-04	7.98E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	7.98E-04
66 ALL	645246.8	4248898	NonCancel	1.44E-04	4.39E-04	2.05E-04	6.09E-06	0.00E+00	1.50E-04	7.50E-04	1.44E-04	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	7.50E-04
67 ALL	645346.8	4248898	NonCancel	1.34E-04	4.09E-04	1.92E-04	5.54E-06	0.00E+00	1.40E-04	6.94E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	6.94E-04
68 ALL	642446.8	4248998	NonCancel	7.57E-05	2.51E-04	1.21E-04	1.40E-06	0.00E+00	7.71E-05	3.61E-04	7.57E-05	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	3.61E-04
69 ALL	642546.8	4248998	NonCancel	8.00E-05	2.65E-04	1.28E-04	1.47E-06	0.00E+00	8.15E-05	3.81E-04	8.00E-05	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	3.81E-04
70 ALL	642646.8	4248998	NonCancel	8.48E-05	2.81E-04	1.36E-04	1.54E-06	0.00E+00	8.63E-05	4.04E-04	8.48E-05	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	4.04E-04
71 ALL	642746.8	4248998	NonCancel	9.05E-05	3.00E-04	1.45E-04	1.63E-06	0.00E+00	9.21E-05	4.30E-04	9.05E-05	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	4.30E-04
72 ALL	642846.8	4248998	NonCancel	9.70E-05	3.21E-04	1.56E-04	1.75E-06	0.00E+00	9.88E-05	4.60E-04	9.70E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	4.60E-04
73 ALL	642946.8	4248998	NonCancel	1.04E-04	3.43E-04	1.66E-04	1.90E-06	0.00E+00	1.06E-04	4.91E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	4.91E-04
74 ALL	643046.8	4248998	NonCancel	1.10E-04	3.64E-04	1.76E-04	2.07E-06	0.00E+00	1.12E-04	5.23E-04	1.10E-04	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	5.23E-04
75 ALL	643146.8	4248998	NonCancel	1.17E-04	3.85E-04	1.86E-04	2.25E-06	0.00E+00	1.19E-04	5.53E-04	1.17E-04	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	5.53E-04
76 ALL	643246.8	4248998	NonCancel	1.22E-04	4.03E-04	1.95E-04	2.45E-06	0.00E+00	1.25E-04	5.80E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	5.80E-04
77 ALL	643346.8	4248998	NonCancel	1.27E-04	4.16E-04	2.01E-04	2.65E-06	0.00E+00	1.29E-04	6.00E-04	1.27E-04	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	6.00E-04
78 ALL	643446.8	4248998	NonCancel	1.29E-04	4.23E-04	2.04E-04	2.86E-06	0.00E+00	1.32E-04	6.13E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	6.13E-04
79 ALL	643546.8	4248998	NonCancel	1.32E-04	4.27E-04	2.05E-04	3.16E-06	0.00E+00	1.35E-04	6.30E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	6.30E-04
80 ALL	643646.8	4248998	NonCancel	1.35E-04	4.33E-04	2.07E-04	3.59E-06	0.00E+00	1.38E-04	6.58E-04	1.35E-04	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	6.58E-04
81 ALL	643746.8	4248998	NonCancel	1.41E-04	4.48E-04	2.14E-04	4.21E-06	0.00E+00	1.45E-04	7.04E-04	1.41E-04	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	7.04E-04
82 ALL	643846.8	4248998	NonCancel	1.51E-04	4.75E-04	2.25E-04	5.04E-06	0.00E+00	1.56E-04	7.69E-04	1.51E-04	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	7.69E-04
83 ALL	643946.8	4248998	NonCancel	1.65E-04	5.13E-04	2.42E-04	6.10E-06	0.00E+00	1.71E-04	8.58E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	8.58E-04
84 ALL	644046.8	4248998	NonCancel	1.82E-04	5.59E-04	2.62E-04	7.33E-06	0.00E+00	1.90E-04	9.62E-04	1.82E-04	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	9.62E-04
85 ALL	644146.8	4248998	NonCancel	2.00E-04	6.08E-04	2.84E-04	8.51E-06	0.00E+00	2.09E-04	1.06E-03	2.00E-04	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	1.06E-03
86 ALL	644246.8	4248998	NonCancel	2.16E-04	6.55E-04	3.06E-04	9.45E-06	0.00E+00	2.26E-04	1.15E-03	2.16E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.15E-03
87 ALL	644346.8	4248998	NonCancel	2.26E-04	6.84E-04	3.19E-04	9.94E-06	0.00E+00	2.36E-04	1.20E-03	2.26E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.20E-03
88 ALL	644446.8	4248998	NonCancel	2.28E-04	6.90E-04	3.22E-04	9.97E-06	0.00E+00	2.38E-04	1.20E-03	2.28E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.20E-03
89 ALL	644546.8	4248998	NonCancel	2.23E-04	6.77E-04	3.16E-04	9.66E-06	0.00E+00	2.33E-04	1.17E-03	2.23E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.17E-03
90 ALL	644646.8	4248998	NonCancel	2.13E-04	6.47E-04	3.02E-04	9.14E-06	0.00E+00	2.22E-04	1.11E-03	2.13E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.11E-03
91 ALL	644746.8	4248998	NonCancel	2.01E-04	6.10E-04	2.85E-04	8.56E-06	0.00E+00	2.09E-04	1.04E-03	2.01E-04	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	1.04E-03
92 ALL	644846.8	4248998	NonCancel	1.88E-04	5.72E-04	2.67E-04	7.96E-06	0.00E+00	1.96E-04	9.75E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	9.75E-04
93 ALL	644946.8	4248998	NonCancel	1.75E-04	5.33E-04	2.49E-04	7.33E-06	0.00E+00	1.82E-04	9.06E-04	1.75E-04	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	9.06E-04
94 ALL	645046.8	4248998	NonCancel	1.64E-04	5.01E-04	2.34E-04	6.78E-06	0.00E+00	1.71E-04	8.48E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	8.48E-04
95 ALL	645146.8	4248998	NonCancel	1.55E-04	4.74E-04	2.22E-04	6.33E-06	0.00E+00	1.61E-04	7.99E-04	1.55E-04	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	7.99E-04
96 ALL	645246.8	4248998	NonCancel	1.45E-04	4.45E-04	2.09E-04	5.85E-06	0.00E+00	1.51E-04	7.47E-04	1.45E-04	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	7.47E-04
97 ALL	645346.8	4248998	NonCancel	1.34E-04	4.13E-04	1.94E-04	5.29E-06	0.00E+00	1.40E-04	6.88E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	6.88E-04
98 ALL	642446.8	4249098	NonCancel	7.86E-05	2.60E-04	1.26E-04	1.41E-06	0.00E+00	8.00E-05	3.73E-04	7.86E-05	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	3.73E-04
99 ALL	642546.8	4249098	NonCancel	8.29E-05	2.75E-04	1.33E-04	1.47E-06	0.00E+00	8.44E-05	3.94E-04	8.29E-05	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	3.94E-04
100 ALL	642646.8	4249098	NonCancel	8.79E-05	2.92E-04	1.41E-04	1.55E-06	0.00E+00	8.95E-05	4.18E-04	8.79E-05	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	4.18E-04
101 ALL	642746.8	4249098	NonCancel	9.37E-05	3.11E-04	1.51E-04	1.65E-06	0.00E+00	9.53E-05	4.45E-04	9.37E-05	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	4.45E-04
102 ALL	642846.8	4249098	NonCancel	1.02E-04	3.38E-04	1.64E-04	1.78E-06	0.00E+0										

103	ALL	642946.8	4249098	NonCancel	1.09E-04	3.61E-04	1.75E-04	1.92E-06	0.00E+00	1.11E-04	5.14E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	5.14E-04
104	ALL	643046.8	4249098	NonCancel	1.16E-04	3.84E-04	1.86E-04	2.10E-06	0.00E+00	1.18E-04	5.49E-04	1.16E-04	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	5.49E-04
105	ALL	643146.8	4249098	NonCancel	1.23E-04	4.08E-04	1.97E-04	2.31E-06	0.00E+00	1.26E-04	5.84E-04	1.23E-04	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	5.84E-04
106	ALL	643246.8	4249098	NonCancel	1.30E-04	4.29E-04	2.07E-04	2.52E-06	0.00E+00	1.33E-04	6.15E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	6.15E-04
107	ALL	643346.8	4249098	NonCancel	1.35E-04	4.45E-04	2.15E-04	2.75E-06	0.00E+00	1.38E-04	6.39E-04	1.35E-04	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	6.39E-04
108	ALL	643446.8	4249098	NonCancel	1.39E-04	4.55E-04	2.19E-04	3.01E-06	0.00E+00	1.42E-04	6.57E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	6.57E-04
109	ALL	643546.8	4249098	NonCancel	1.42E-04	4.62E-04	2.22E-04	3.35E-06	0.00E+00	1.45E-04	6.78E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	6.78E-04
110	ALL	643646.8	4249098	NonCancel	1.46E-04	4.68E-04	2.24E-04	3.86E-06	0.00E+00	1.49E-04	7.11E-04	1.46E-04	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	7.11E-04
111	ALL	643746.8	4249098	NonCancel	1.53E-04	4.87E-04	2.32E-04	4.59E-06	0.00E+00	1.58E-04	7.66E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	7.66E-04
112	ALL	643846.8	4249098	NonCancel	1.68E-04	5.28E-04	2.50E-04	5.65E-06	0.00E+00	1.74E-04	8.58E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	8.58E-04
113	ALL	643946.8	4249098	NonCancel	1.83E-04	5.68E-04	2.68E-04	6.86E-06	0.00E+00	1.90E-04	9.55E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	9.55E-04
114	ALL	644046.8	4249098	NonCancel	2.03E-04	6.21E-04	2.91E-04	8.22E-06	0.00E+00	2.11E-04	1.07E-03	2.03E-04	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	1.07E-03
115	ALL	644146.8	4249098	NonCancel	2.23E-04	6.77E-04	3.17E-04	9.46E-06	0.00E+00	2.32E-04	1.18E-03	2.23E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.18E-03
116	ALL	644246.8	4249098	NonCancel	2.38E-04	7.23E-04	3.38E-04	1.03E-05	0.00E+00	2.49E-04	1.26E-03	2.38E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.26E-03
117	ALL	644346.8	4249098	NonCancel	2.46E-04	7.45E-04	3.48E-04	1.06E-05	0.00E+00	2.56E-04	1.29E-03	2.46E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.29E-03
118	ALL	644446.8	4249098	NonCancel	2.44E-04	7.41E-04	3.46E-04	1.04E-05	0.00E+00	2.54E-04	1.27E-03	2.44E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.27E-03
119	ALL	644546.8	4249098	NonCancel	2.34E-04	7.14E-04	3.34E-04	9.83E-06	0.00E+00	2.44E-04	1.21E-03	2.34E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.21E-03
120	ALL	644646.8	4249098	NonCancel	2.21E-04	6.73E-04	3.15E-04	9.18E-06	0.00E+00	2.30E-04	1.14E-03	2.21E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.14E-03
121	ALL	644746.8	4249098	NonCancel	2.06E-04	6.30E-04	2.95E-04	8.51E-06	0.00E+00	2.15E-04	1.06E-03	2.06E-04	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	1.06E-03
122	ALL	644846.8	4249098	NonCancel	1.93E-04	5.89E-04	2.76E-04	7.87E-06	0.00E+00	2.00E-04	9.91E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	9.91E-04
123	ALL	644946.8	4249098	NonCancel	1.79E-04	5.50E-04	2.58E-04	7.22E-06	0.00E+00	1.87E-04	9.21E-04	1.79E-04	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	9.21E-04
124	ALL	645046.8	4249098	NonCancel	1.67E-04	5.13E-04	2.41E-04	6.60E-06	0.00E+00	1.73E-04	8.54E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	8.54E-04
125	ALL	645146.8	4249098	NonCancel	1.56E-04	4.80E-04	2.26E-04	6.05E-06	0.00E+00	1.62E-04	7.95E-04	1.56E-04	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	7.95E-04
126	ALL	645246.8	4249098	NonCancel	1.45E-04	4.48E-04	2.11E-04	5.54E-06	0.00E+00	1.51E-04	7.39E-04	1.45E-04	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	7.39E-04
127	ALL	645346.8	4249098	NonCancel	1.36E-04	4.20E-04	1.98E-04	5.09E-06	0.00E+00	1.41E-04	6.89E-04	1.36E-04	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	6.89E-04
128	ALL	642446.8	4249198	NonCancel	8.14E-05	2.70E-04	1.31E-04	1.42E-06	0.00E+00	8.28E-05	3.87E-04	8.14E-05	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	3.87E-04
129	ALL	642546.8	4249198	NonCancel	8.63E-05	2.87E-04	1.39E-04	1.48E-06	0.00E+00	8.78E-05	4.09E-04	8.63E-05	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	4.09E-04
130	ALL	642646.8	4249198	NonCancel	9.15E-05	3.04E-04	1.47E-04	1.57E-06	0.00E+00	9.31E-05	4.34E-04	9.15E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	4.34E-04
131	ALL	642746.8	4249198	NonCancel	9.80E-05	3.26E-04	1.58E-04	1.67E-06	0.00E+00	9.96E-05	4.64E-04	9.80E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	4.64E-04
132	ALL	642846.8	4249198	NonCancel	1.07E-04	3.54E-04	1.72E-04	1.81E-06	0.00E+00	1.08E-04	5.03E-04	1.07E-04	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	5.03E-04
133	ALL	642946.8	4249198	NonCancel	1.14E-04	3.80E-04	1.84E-04	1.96E-06	0.00E+00	1.16E-04	5.39E-04	1.14E-04	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	5.39E-04
134	ALL	643046.8	4249198	NonCancel	1.22E-04	4.05E-04	1.96E-04	2.14E-06	0.00E+00	1.24E-04	5.77E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	5.77E-04
135	ALL	643146.8	4249198	NonCancel	1.30E-04	4.32E-04	2.09E-04	2.37E-06	0.00E+00	1.33E-04	6.16E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	6.16E-04
136	ALL	643246.8	4249198	NonCancel	1.38E-04	4.57E-04	2.21E-04	2.61E-06	0.00E+00	1.41E-04	6.53E-04	1.38E-04	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	6.53E-04
137	ALL	643346.8	4249198	NonCancel	1.45E-04	4.79E-04	2.31E-04	2.88E-06	0.00E+00	1.48E-04	6.85E-04	1.45E-04	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	6.85E-04
138	ALL	643446.8	4249198	NonCancel	1.50E-04	4.92E-04	2.37E-04	3.17E-06	0.00E+00	1.53E-04	7.08E-04	1.50E-04	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	7.08E-04
139	ALL	643546.8	4249198	NonCancel	1.54E-04	5.02E-04	2.41E-04	3.58E-06	0.00E+00	1.58E-04	7.35E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	7.35E-04
140	ALL	643646.8	4249198	NonCancel	1.59E-04	5.11E-04	2.44E-04	4.18E-06	0.00E+00	1.63E-04	7.75E-04	1.59E-04	0.00E+00	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00	7.75E-04
141	ALL	643746.8	4249198	NonCancel	1.68E-04	5.33E-04	2.54E-04	5.05E-06	0.00E+00	1.73E-04	8.40E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	8.40E-04
142	ALL	643846.8	4249198	NonCancel	1.86E-04	5.83E-04	2.76E-04	6.33E-06	0.00E+00	1.92E-04	9.52E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	9.52E-04
143	ALL	643946.8	4249198	NonCancel	2.05E-04	6.35E-04	2.99E-04	7.79E-06	0.00E+00	2.13E-04	1.07E-03	2.05E-04	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	1.07E-03
144	ALL	644046.8	4249198	NonCancel	2.28E-04	6.96E-04	3.26E-04	9.30E-06	0.00E+00	2.37E-04	1.21E-03	2.28E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.21E-03
145	ALL	644146.8	4249198	NonCancel	2.49E-04	7.57E-04	3.54E-04	1.05E-05	0.00E+00	2.59E-04	1.32E-03	2.49E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.32E-03
146	ALL	644246.8	4249198	NonCancel	2.63E-04	7.99E-04	3.74E-04	1.12E-05	0.00E+00	2.74E-04	1.38E-03	2.63E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	1.38E-03
147	ALL	644346.8	4249198	NonCancel	2.66E-04	8.10E-04	3.79E-04	1.11E-05	0.00E+00	2.77E-04	1.39E-03	2.66E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	1.39E-03
148	ALL	644446.8	4249198	NonCancel	2.59E-04	7.90E-04	3.70E-04	1.06E-05	0.00E+00	2.69E-04	1.33E-03	2.59E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.33E-03
149	ALL	644546.8	4249198	NonCancel	2.44E-04	7.48E-04	3.51E-04	9.91E-06	0.00E+00	2.54E-04	1.25E-03	2.44E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.25E-03
150	ALL	644646.8	4249198	NonCancel	2.28E-04	6.98E-04	3.28E-04	9.15E-06	0.00E+00	2.37E-04	1.17E-03	2.28E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.17E-03
151	ALL	644746.8	4249198	NonCancel	2.11E-04	6.49E-04	3.05E-04	8.40E-06	0.00E+00	2.20E-04	1.08E-03	2.11E-04	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	1.08E-03
152	ALL	644846.8	4249198	NonCancel	1.96E-04	6.04E-04	2.84E-04	7.67E-06	0.00E+00	2.04E-04	1.00E-03	1.96E-04	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	1.00E-03
153	ALL	644946.8	4249198	NonCancel	1.82E-04	5.63E-04	2.65E-04	6.98E-06	0.										

155	ALL	645146.8	4249198	NonCancel	1.57E-04	4.87E-04	2.29E-04	5.75E-06	0.00E+00	1.63E-04	7.91E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	7.91E-04
156	ALL	645246.8	4249198	NonCancel	1.46E-04	4.53E-04	2.14E-04	5.24E-06	0.00E+00	1.51E-04	7.32E-04	1.46E-04	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	7.32E-04
157	ALL	645346.8	4249198	NonCancel	1.35E-04	4.22E-04	1.99E-04	4.80E-06	0.00E+00	1.40E-04	6.80E-04	1.35E-04	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	6.80E-04
158	ALL	642446.8	4249298	NonCancel	8.44E-05	2.80E-04	1.36E-04	1.43E-06	0.00E+00	8.58E-05	4.01E-04	8.44E-05	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	4.01E-04
159	ALL	642546.8	4249298	NonCancel	8.98E-05	2.99E-04	1.45E-04	1.50E-06	0.00E+00	9.13E-05	4.25E-04	8.98E-05	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	4.25E-04
160	ALL	642646.8	4249298	NonCancel	9.57E-05	3.19E-04	1.55E-04	1.58E-06	0.00E+00	9.73E-05	4.53E-04	9.57E-05	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	4.53E-04
161	ALL	642746.8	4249298	NonCancel	1.04E-04	3.45E-04	1.68E-04	1.71E-06	0.00E+00	1.05E-04	4.90E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	4.90E-04
162	ALL	642846.8	4249298	NonCancel	1.11E-04	3.70E-04	1.80E-04	1.83E-06	0.00E+00	1.13E-04	5.26E-04	1.11E-04	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	5.26E-04
163	ALL	642946.8	4249298	NonCancel	1.20E-04	3.98E-04	1.93E-04	1.99E-06	0.00E+00	1.22E-04	5.64E-04	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	5.64E-04
164	ALL	643046.8	4249298	NonCancel	1.29E-04	4.27E-04	2.07E-04	2.19E-06	0.00E+00	1.31E-04	6.06E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	6.06E-04
165	ALL	643146.8	4249298	NonCancel	1.38E-04	4.59E-04	2.22E-04	2.44E-06	0.00E+00	1.41E-04	6.53E-04	1.38E-04	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	6.53E-04
166	ALL	643246.8	4249298	NonCancel	1.48E-04	4.90E-04	2.37E-04	2.72E-06	0.00E+00	1.51E-04	6.99E-04	1.48E-04	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	6.99E-04
167	ALL	643346.8	4249298	NonCancel	1.57E-04	5.17E-04	2.50E-04	3.03E-06	0.00E+00	1.60E-04	7.38E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	7.38E-04
168	ALL	643446.8	4249298	NonCancel	1.63E-04	5.35E-04	2.58E-04	3.37E-06	0.00E+00	1.66E-04	7.67E-04	1.63E-04	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	7.67E-04
169	ALL	643546.8	4249298	NonCancel	1.69E-04	5.49E-04	2.64E-04	3.86E-06	0.00E+00	1.72E-04	8.02E-04	1.69E-04	0.00E+00	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00	8.02E-04
170	ALL	643646.8	4249298	NonCancel	1.75E-04	5.62E-04	2.69E-04	4.59E-06	0.00E+00	1.79E-04	8.53E-04	1.75E-04	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	8.53E-04
171	ALL	643746.8	4249298	NonCancel	1.85E-04	5.87E-04	2.79E-04	5.65E-06	0.00E+00	1.91E-04	9.31E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	9.31E-04
172	ALL	643846.8	4249298	NonCancel	2.08E-04	6.49E-04	3.07E-04	7.20E-06	0.00E+00	2.15E-04	1.07E-03	2.08E-04	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	1.07E-03
173	ALL	643946.8	4249298	NonCancel	2.32E-04	7.15E-04	3.36E-04	8.96E-06	0.00E+00	2.41E-04	1.22E-03	2.32E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.22E-03
174	ALL	644046.8	4249298	NonCancel	2.58E-04	7.87E-04	3.69E-04	1.06E-05	0.00E+00	2.68E-04	1.36E-03	2.58E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	1.36E-03
175	ALL	644146.8	4249298	NonCancel	2.79E-04	8.49E-04	3.97E-04	1.16E-05	0.00E+00	2.90E-04	1.47E-03	2.79E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	1.47E-03
176	ALL	644246.8	4249298	NonCancel	2.89E-04	8.83E-04	4.13E-04	1.20E-05	0.00E+00	3.01E-04	1.51E-03	2.89E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	1.51E-03
177	ALL	644346.8	4249298	NonCancel	2.86E-04	8.76E-04	4.11E-04	1.16E-05	0.00E+00	2.98E-04	1.47E-03	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	1.47E-03
178	ALL	644446.8	4249298	NonCancel	2.72E-04	8.37E-04	3.93E-04	1.08E-05	0.00E+00	2.83E-04	1.39E-03	2.72E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.39E-03
179	ALL	644546.8	4249298	NonCancel	2.54E-04	7.81E-04	3.67E-04	9.91E-06	0.00E+00	2.64E-04	1.29E-03	2.54E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.29E-03
180	ALL	644646.8	4249298	NonCancel	2.34E-04	7.22E-04	3.40E-04	9.03E-06	0.00E+00	2.43E-04	1.19E-03	2.34E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.19E-03
181	ALL	644746.8	4249298	NonCancel	2.16E-04	6.68E-04	3.15E-04	8.18E-06	0.00E+00	2.24E-04	1.09E-03	2.16E-04	0.00E+00	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	1.09E-03
182	ALL	644846.8	4249298	NonCancel	1.99E-04	6.18E-04	2.91E-04	7.38E-06	0.00E+00	2.07E-04	1.01E-03	1.99E-04	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	1.01E-03
183	ALL	644946.8	4249298	NonCancel	1.84E-04	5.73E-04	2.70E-04	6.64E-06	0.00E+00	1.91E-04	9.24E-04	1.84E-04	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	9.24E-04
184	ALL	645046.8	4249298	NonCancel	1.70E-04	5.30E-04	2.50E-04	5.97E-06	0.00E+00	1.76E-04	8.49E-04	1.70E-04	0.00E+00	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	8.49E-04
185	ALL	645146.8	4249298	NonCancel	1.57E-04	4.91E-04	2.32E-04	5.39E-06	0.00E+00	1.62E-04	7.81E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	7.81E-04
186	ALL	645246.8	4249298	NonCancel	1.45E-04	4.55E-04	2.16E-04	4.90E-06	0.00E+00	1.50E-04	7.22E-04	1.45E-04	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	7.22E-04
187	ALL	645346.8	4249298	NonCancel	1.35E-04	4.24E-04	2.01E-04	4.50E-06	0.00E+00	1.39E-04	6.70E-04	1.35E-04	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	6.70E-04
188	ALL	642446.8	4249398	NonCancel	8.72E-05	2.90E-04	1.41E-04	1.44E-06	0.00E+00	8.87E-05	4.16E-04	8.72E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	4.16E-04
189	ALL	642546.8	4249398	NonCancel	9.39E-05	3.13E-04	1.52E-04	1.52E-06	0.00E+00	9.54E-05	4.45E-04	9.39E-05	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	4.45E-04
190	ALL	642646.8	4249398	NonCancel	1.00E-04	3.34E-04	1.62E-04	1.61E-06	0.00E+00	1.02E-04	4.73E-04	1.00E-04	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	4.73E-04
191	ALL	642746.8	4249398	NonCancel	1.07E-04	3.58E-04	1.74E-04	1.72E-06	0.00E+00	1.09E-04	5.06E-04	1.07E-04	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	5.06E-04
192	ALL	642846.8	4249398	NonCancel	1.15E-04	3.84E-04	1.87E-04	1.85E-06	0.00E+00	1.17E-04	5.45E-04	1.15E-04	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	5.45E-04
193	ALL	642946.8	4249398	NonCancel	1.25E-04	4.17E-04	2.02E-04	2.02E-06	0.00E+00	1.27E-04	5.91E-04	1.25E-04	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	5.91E-04
194	ALL	643046.8	4249398	NonCancel	1.36E-04	4.53E-04	2.20E-04	2.25E-06	0.00E+00	1.38E-04	6.42E-04	1.36E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	6.42E-04
195	ALL	643146.8	4249398	NonCancel	1.47E-04	4.90E-04	2.37E-04	2.52E-06	0.00E+00	1.50E-04	6.96E-04	1.47E-04	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	6.96E-04
196	ALL	643246.8	4249398	NonCancel	1.59E-04	5.27E-04	2.55E-04	2.84E-06	0.00E+00	1.62E-04	7.51E-04	1.59E-04	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	7.51E-04
197	ALL	643346.8	4249398	NonCancel	1.69E-04	5.59E-04	2.71E-04	3.20E-06	0.00E+00	1.73E-04	7.98E-04	1.69E-04	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	7.98E-04
198	ALL	643446.8	4249398	NonCancel	1.78E-04	5.85E-04	2.82E-04	3.62E-06	0.00E+00	1.81E-04	8.37E-04	1.78E-04	0.00E+00	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	8.37E-04
199	ALL	643546.8	4249398	NonCancel	1.85E-04	6.03E-04	2.90E-04	4.20E-06	0.00E+00	1.89E-04	8.81E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00	8.81E-04
200	ALL	643646.8	4249398	NonCancel	1.94E-04	6.24E-04	2.99E-04	5.12E-06	0.00E+00	1.99E-04	9.49E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	9.49E-04
201	ALL	643746.8	4249398	NonCancel	2.09E-04	6.63E-04	3.15E-04	6.48E-06	0.00E+00	2.16E-04	1.06E-03	2.09E-04	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	1.06E-03
202	ALL	643846.8	4249398	NonCancel	2.34E-04	7.30E-04	3.45E-04	8.33E-06	0.00E+00	2.43E-04	1.21E-03	2.34E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.21E-03
203	ALL	643946.8	4249398	NonCancel	2.64E-04	8.12E-04	3.81E-04	1.04E-05	0.00E+00	2.74E-04	1.39E-03	2.64E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	1.39E-03
204	ALL	644046.8	4249398	NonCancel	2.93E-04	8.95E-04	4.19E-04	1.20E-05	0.00E+00	3.05E-04	1.55E-03	2.93E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	1.55E-03
205	ALL	644146.8	4249398	NonCancel	3.13E-04	9.56E-04	4.48E-04	1.28E-05	0.										

207 ALL	644346.8	4249398	NonCancel	3.06E-04	9.42E-04	4.43E-04	1.19E-05	0.00E+00	3.18E-04	1.56E-03	3.06E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	1.56E-03
208 ALL	644446.8	4249398	NonCancel	2.85E-04	8.81E-04	4.15E-04	1.08E-05	0.00E+00	2.96E-04	1.44E-03	2.85E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	1.44E-03
209 ALL	644546.8	4249398	NonCancel	2.62E-04	8.12E-04	3.82E-04	9.80E-06	0.00E+00	2.72E-04	1.32E-03	2.62E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.32E-03
210 ALL	644646.8	4249398	NonCancel	2.40E-04	7.46E-04	3.52E-04	8.79E-06	0.00E+00	2.49E-04	1.21E-03	2.40E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.21E-03
211 ALL	644746.8	4249398	NonCancel	2.20E-04	6.86E-04	3.24E-04	7.85E-06	0.00E+00	2.28E-04	1.10E-03	2.20E-04	0.00E+00	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	1.10E-03
212 ALL	644846.8	4249398	NonCancel	2.02E-04	6.31E-04	2.99E-04	6.98E-06	0.00E+00	2.09E-04	1.00E-03	2.02E-04	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	1.00E-03
213 ALL	644946.8	4249398	NonCancel	1.85E-04	5.81E-04	2.75E-04	6.21E-06	0.00E+00	1.91E-04	9.16E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	9.16E-04
214 ALL	645046.8	4249398	NonCancel	1.65E-04	5.19E-04	2.46E-04	5.46E-06	0.00E+00	1.70E-04	8.16E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	8.16E-04
215 ALL	645146.8	4249398	NonCancel	1.54E-04	4.87E-04	2.31E-04	4.97E-06	0.00E+00	1.59E-04	7.60E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	7.60E-04
216 ALL	645246.8	4249398	NonCancel	1.45E-04	4.57E-04	2.17E-04	4.58E-06	0.00E+00	1.49E-04	7.10E-04	1.45E-04	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	7.10E-04
217 ALL	645346.8	4249398	NonCancel	1.34E-04	4.25E-04	2.02E-04	4.23E-06	0.00E+00	1.38E-04	6.60E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	6.60E-04
218 ALL	642446.8	4249498	NonCancel	9.00E-05	3.00E-04	1.45E-04	1.46E-06	0.00E+00	9.14E-05	4.31E-04	9.00E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	4.31E-04
219 ALL	642546.8	4249498	NonCancel	9.76E-05	3.26E-04	1.58E-04	1.54E-06	0.00E+00	9.92E-05	4.64E-04	9.76E-05	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	4.64E-04
220 ALL	642646.8	4249498	NonCancel	1.05E-04	3.51E-04	1.71E-04	1.63E-06	0.00E+00	1.07E-04	4.97E-04	1.05E-04	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	4.97E-04
221 ALL	642746.8	4249498	NonCancel	1.13E-04	3.78E-04	1.83E-04	1.75E-06	0.00E+00	1.15E-04	5.33E-04	1.13E-04	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	5.33E-04
222 ALL	642846.8	4249498	NonCancel	1.22E-04	4.06E-04	1.97E-04	1.89E-06	0.00E+00	1.24E-04	5.74E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	5.74E-04
223 ALL	642946.8	4249498	NonCancel	1.32E-04	4.40E-04	2.14E-04	2.08E-06	0.00E+00	1.34E-04	6.24E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	6.24E-04
224 ALL	643046.8	4249498	NonCancel	1.44E-04	4.80E-04	2.33E-04	2.31E-06	0.00E+00	1.46E-04	6.80E-04	1.44E-04	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	6.80E-04
225 ALL	643146.8	4249498	NonCancel	1.57E-04	5.23E-04	2.54E-04	2.62E-06	0.00E+00	1.60E-04	7.43E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	7.43E-04
226 ALL	643246.8	4249498	NonCancel	1.71E-04	5.68E-04	2.75E-04	2.99E-06	0.00E+00	1.74E-04	8.10E-04	1.71E-04	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	8.10E-04
227 ALL	643346.8	4249498	NonCancel	1.84E-04	6.09E-04	2.95E-04	3.42E-06	0.00E+00	1.88E-04	8.69E-04	1.84E-04	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	8.69E-04
228 ALL	643446.8	4249498	NonCancel	1.95E-04	6.43E-04	3.10E-04	3.92E-06	0.00E+00	1.99E-04	9.19E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	9.19E-04
229 ALL	643546.8	4249498	NonCancel	2.05E-04	6.67E-04	3.21E-04	4.63E-06	0.00E+00	2.09E-04	9.75E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	9.75E-04
230 ALL	643646.8	4249498	NonCancel	2.16E-04	6.95E-04	3.32E-04	5.78E-06	0.00E+00	2.22E-04	1.06E-03	2.16E-04	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	1.06E-03
231 ALL	643746.8	4249498	NonCancel	2.36E-04	7.46E-04	3.54E-04	7.52E-06	0.00E+00	2.44E-04	1.20E-03	2.36E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.20E-03
232 ALL	643846.8	4249498	NonCancel	2.68E-04	8.31E-04	3.92E-04	9.80E-06	0.00E+00	2.77E-04	1.40E-03	2.68E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	1.40E-03
233 ALL	643946.8	4249498	NonCancel	3.04E-04	9.31E-04	4.37E-04	1.21E-05	0.00E+00	3.16E-04	1.61E-03	3.04E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	1.61E-03
234 ALL	644046.8	4249498	NonCancel	3.35E-04	1.03E-03	4.81E-04	1.37E-05	0.00E+00	3.49E-04	1.77E-03	3.35E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	1.77E-03
235 ALL	644146.8	4249498	NonCancel	3.50E-04	1.07E-03	5.04E-04	1.40E-05	0.00E+00	3.64E-04	1.82E-03	3.50E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	1.82E-03
236 ALL	644246.8	4249498	NonCancel	3.45E-04	1.06E-03	5.01E-04	1.32E-05	0.00E+00	3.58E-04	1.76E-03	3.45E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	1.76E-03
237 ALL	644346.8	4249498	NonCancel	3.24E-04	1.00E-03	4.73E-04	1.20E-05	0.00E+00	3.36E-04	1.63E-03	3.24E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	1.63E-03
238 ALL	644446.8	4249498	NonCancel	2.97E-04	9.23E-04	4.35E-04	1.08E-05	0.00E+00	3.08E-04	1.48E-03	2.97E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	1.48E-03
239 ALL	644546.8	4249498	NonCancel	2.70E-04	8.42E-04	3.98E-04	9.55E-06	0.00E+00	2.79E-04	1.34E-03	2.70E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.34E-03
240 ALL	644646.8	4249498	NonCancel	2.45E-04	7.69E-04	3.64E-04	8.41E-06	0.00E+00	2.54E-04	1.22E-03	2.45E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.22E-03
241 ALL	644746.8	4249498	NonCancel	2.23E-04	7.02E-04	3.33E-04	7.38E-06	0.00E+00	2.31E-04	1.10E-03	2.23E-04	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	1.10E-03
242 ALL	644846.8	4249498	NonCancel	2.03E-04	6.41E-04	3.04E-04	6.49E-06	0.00E+00	2.10E-04	9.95E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	9.95E-04
243 ALL	644946.8	4249498	NonCancel	1.85E-04	5.86E-04	2.79E-04	5.74E-06	0.00E+00	1.91E-04	9.04E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	9.04E-04
244 ALL	645046.8	4249498	NonCancel	1.66E-04	5.26E-04	2.50E-04	5.06E-06	0.00E+00	1.71E-04	8.08E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	8.08E-04
245 ALL	645146.8	4249498	NonCancel	1.54E-04	4.89E-04	2.33E-04	4.61E-06	0.00E+00	1.59E-04	7.48E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	7.48E-04
246 ALL	645246.8	4249498	NonCancel	1.44E-04	4.57E-04	2.18E-04	4.27E-06	0.00E+00	1.48E-04	6.98E-04	1.44E-04	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	6.98E-04
247 ALL	645346.8	4249498	NonCancel	1.33E-04	4.23E-04	2.02E-04	3.98E-06	0.00E+00	1.37E-04	6.48E-04	1.33E-04	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	6.48E-04
248 ALL	642446.8	4249598	NonCancel	9.20E-05	3.07E-04	1.49E-04	1.48E-06	0.00E+00	9.35E-05	4.42E-04	9.20E-05	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	4.42E-04
249 ALL	642546.8	4249598	NonCancel	1.01E-04	3.36E-04	1.63E-04	1.56E-06	0.00E+00	1.02E-04	4.81E-04	1.01E-04	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	4.81E-04
250 ALL	642646.8	4249598	NonCancel	1.10E-04	3.67E-04	1.78E-04	1.66E-06	0.00E+00	1.11E-04	5.20E-04	1.10E-04	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	5.20E-04
251 ALL	642746.8	4249598	NonCancel	1.19E-04	3.98E-04	1.93E-04	1.79E-06	0.00E+00	1.21E-04	5.61E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	5.61E-04
252 ALL	642846.8	4249598	NonCancel	1.29E-04	4.30E-04	2.09E-04	1.94E-06	0.00E+00	1.31E-04	6.06E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	6.06E-04
253 ALL	642946.8	4249598	NonCancel	1.40E-04	4.67E-04	2.27E-04	2.14E-06	0.00E+00	1.42E-04	6.61E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	6.61E-04
254 ALL	643046.8	4249598	NonCancel	1.53E-04	5.10E-04	2.48E-04	2.40E-06	0.00E+00	1.55E-04	7.23E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	7.23E-04
255 ALL	643146.8	4249598	NonCancel	1.68E-04	5.60E-04	2.72E-04	2.74E-06	0.00E+00	1.71E-04	7.97E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	7.97E-04
256 ALL	643246.8	4249598	NonCancel	1.84E-04	6.13E-04	2.97E-04	3.17E-06	0.00E+00	1.88E-04	8.75E-04	1.84E-04	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	8.75E-04
257 ALL	643346.8	4249598	NonCancel	2.01E-04	6.65E-04	3.22E-04	3.68E-06	0.00E+00	2.05E-04	9.51E-04	2.01E-04	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	9.51E-04
258 ALL	643446.8	4249598	NonCancel	2.16E-04														

259	ALL	643546.8	4249598	NonCancel	2.28E-04	7.43E-04	3.58E-04	5.17E-06	0.00E+00	2.33E-04	1.09E-03	2.28E-04	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	1.09E-03
260	ALL	643646.8	4249598	NonCancel	2.43E-04	7.79E-04	3.72E-04	6.64E-06	0.00E+00	2.49E-04	1.20E-03	2.43E-04	0.00E+00	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00	1.20E-03
261	ALL	643746.8	4249598	NonCancel	2.70E-04	8.49E-04	4.02E-04	8.90E-06	0.00E+00	2.79E-04	1.39E-03	2.70E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.39E-03
262	ALL	643846.8	4249598	NonCancel	3.10E-04	9.60E-04	4.52E-04	1.17E-05	0.00E+00	3.22E-04	1.64E-03	3.10E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	1.64E-03
263	ALL	643946.8	4249598	NonCancel	3.53E-04	1.08E-03	5.08E-04	1.42E-05	0.00E+00	3.68E-04	1.87E-03	3.53E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	1.87E-03
264	ALL	644046.8	4249598	NonCancel	3.84E-04	1.18E-03	5.53E-04	1.54E-05	0.00E+00	3.99E-04	2.01E-03	3.84E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	2.01E-03
265	ALL	644146.8	4249598	NonCancel	3.90E-04	1.20E-03	5.66E-04	1.49E-05	0.00E+00	4.05E-04	1.99E-03	3.90E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	1.99E-03
266	ALL	644246.8	4249598	NonCancel	3.72E-04	1.16E-03	5.45E-04	1.36E-05	0.00E+00	3.86E-04	1.87E-03	3.72E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	1.87E-03
267	ALL	644346.8	4249598	NonCancel	3.41E-04	1.06E-03	5.02E-04	1.20E-05	0.00E+00	3.53E-04	1.69E-03	3.41E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	1.69E-03
268	ALL	644446.8	4249598	NonCancel	3.07E-04	9.62E-04	4.56E-04	1.05E-05	0.00E+00	3.18E-04	1.52E-03	3.07E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	1.52E-03
269	ALL	644546.8	4249598	NonCancel	2.77E-04	8.71E-04	4.13E-04	9.12E-06	0.00E+00	2.86E-04	1.36E-03	2.77E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.36E-03
270	ALL	644646.8	4249598	NonCancel	2.49E-04	7.89E-04	3.75E-04	7.87E-06	0.00E+00	2.57E-04	1.22E-03	2.49E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	1.22E-03
271	ALL	644746.8	4249598	NonCancel	2.25E-04	7.14E-04	3.40E-04	6.82E-06	0.00E+00	2.32E-04	1.09E-03	2.25E-04	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	1.09E-03
272	ALL	644846.8	4249598	NonCancel	2.03E-04	6.48E-04	3.09E-04	5.95E-06	0.00E+00	2.09E-04	9.82E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	9.82E-04
273	ALL	644946.8	4249598	NonCancel	1.85E-04	5.91E-04	2.82E-04	5.27E-06	0.00E+00	1.90E-04	8.89E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	8.89E-04
274	ALL	645046.8	4249598	NonCancel	1.69E-04	5.41E-04	2.58E-04	4.74E-06	0.00E+00	1.74E-04	8.11E-04	1.69E-04	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	8.11E-04
275	ALL	645146.8	4249598	NonCancel	1.55E-04	4.95E-04	2.37E-04	4.33E-06	0.00E+00	1.59E-04	7.44E-04	1.55E-04	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	7.44E-04
276	ALL	645246.8	4249598	NonCancel	1.43E-04	4.57E-04	2.18E-04	4.02E-06	0.00E+00	1.47E-04	6.88E-04	1.43E-04	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	6.88E-04
277	ALL	645346.8	4249598	NonCancel	1.33E-04	4.23E-04	2.02E-04	3.79E-06	0.00E+00	1.36E-04	6.40E-04	1.33E-04	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	6.40E-04
278	ALL	642446.8	4249698	NonCancel	9.38E-05	3.13E-04	1.52E-04	1.50E-06	0.00E+00	9.53E-05	4.52E-04	9.38E-05	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	4.52E-04
279	ALL	642546.8	4249698	NonCancel	1.03E-04	3.44E-04	1.67E-04	1.59E-06	0.00E+00	1.05E-04	4.95E-04	1.03E-04	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	4.95E-04
280	ALL	642646.8	4249698	NonCancel	1.14E-04	3.80E-04	1.85E-04	1.70E-06	0.00E+00	1.15E-04	5.41E-04	1.14E-04	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	5.41E-04
281	ALL	642746.8	4249698	NonCancel	1.25E-04	4.17E-04	2.03E-04	1.83E-06	0.00E+00	1.26E-04	5.90E-04	1.25E-04	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	5.90E-04
282	ALL	642846.8	4249698	NonCancel	1.36E-04	4.56E-04	2.22E-04	2.00E-06	0.00E+00	1.38E-04	6.42E-04	1.36E-04	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	6.42E-04
283	ALL	642946.8	4249698	NonCancel	1.48E-04	4.97E-04	2.42E-04	2.22E-06	0.00E+00	1.51E-04	7.03E-04	1.48E-04	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	7.03E-04
284	ALL	643046.8	4249698	NonCancel	1.63E-04	5.45E-04	2.65E-04	2.50E-06	0.00E+00	1.66E-04	7.75E-04	1.63E-04	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	7.75E-04
285	ALL	643146.8	4249698	NonCancel	1.80E-04	6.01E-04	2.92E-04	2.88E-06	0.00E+00	1.83E-04	8.57E-04	1.80E-04	0.00E+00	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	8.57E-04
286	ALL	643246.8	4249698	NonCancel	1.99E-04	6.63E-04	3.21E-04	3.38E-06	0.00E+00	2.03E-04	9.51E-04	1.99E-04	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	9.51E-04
287	ALL	643346.8	4249698	NonCancel	2.20E-04	7.29E-04	3.53E-04	4.00E-06	0.00E+00	2.24E-04	1.05E-03	2.20E-04	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	1.05E-03
288	ALL	643446.8	4249698	NonCancel	2.40E-04	7.90E-04	3.81E-04	4.76E-06	0.00E+00	2.45E-04	1.14E-03	2.40E-04	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	1.14E-03
289	ALL	643546.8	4249698	NonCancel	2.57E-04	8.36E-04	4.02E-04	5.89E-06	0.00E+00	2.63E-04	1.23E-03	2.57E-04	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	1.23E-03
290	ALL	643646.8	4249698	NonCancel	2.76E-04	8.82E-04	4.21E-04	7.82E-06	0.00E+00	2.84E-04	1.38E-03	2.76E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.38E-03
291	ALL	643746.8	4249698	NonCancel	3.13E-04	9.80E-04	4.63E-04	1.08E-05	0.00E+00	3.24E-04	1.63E-03	3.13E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	1.63E-03
292	ALL	643846.8	4249698	NonCancel	3.66E-04	1.13E-03	5.29E-04	1.43E-05	0.00E+00	3.80E-04	1.95E-03	3.66E-04	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.95E-03
293	ALL	643946.8	4249698	NonCancel	4.15E-04	1.27E-03	5.96E-04	1.67E-05	0.00E+00	4.31E-04	2.19E-03	4.15E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	2.19E-03
294	ALL	644046.8	4249698	NonCancel	4.40E-04	1.36E-03	6.37E-04	1.70E-05	0.00E+00	4.57E-04	2.27E-03	4.40E-04	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	2.27E-03
295	ALL	644146.8	4249698	NonCancel	4.31E-04	1.34E-03	6.32E-04	1.56E-05	0.00E+00	4.46E-04	2.16E-03	4.31E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	2.16E-03
296	ALL	644246.8	4249698	NonCancel	3.97E-04	1.24E-03	5.88E-04	1.37E-05	0.00E+00	4.11E-04	1.96E-03	3.97E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	1.96E-03
297	ALL	644346.8	4249698	NonCancel	3.55E-04	1.12E-03	5.30E-04	1.18E-05	0.00E+00	3.67E-04	1.74E-03	3.55E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	1.74E-03
298	ALL	644446.8	4249698	NonCancel	3.17E-04	1.00E-03	4.75E-04	1.00E-05	0.00E+00	3.27E-04	1.54E-03	3.17E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	1.54E-03
299	ALL	644546.8	4249698	NonCancel	2.82E-04	8.97E-04	4.27E-04	8.49E-06	0.00E+00	2.91E-04	1.36E-03	2.82E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.36E-03
300	ALL	644646.8	4249698	NonCancel	2.52E-04	8.05E-04	3.84E-04	7.21E-06	0.00E+00	2.59E-04	1.21E-03	2.52E-04	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	1.21E-03
301	ALL	644746.8	4249698	NonCancel	2.26E-04	7.24E-04	3.46E-04	6.20E-06	0.00E+00	2.32E-04	1.08E-03	2.26E-04	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	1.08E-03
302	ALL	644846.8	4249698	NonCancel	2.03E-04	6.54E-04	3.13E-04	5.42E-06	0.00E+00	2.09E-04	9.66E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	9.66E-04
303	ALL	644946.8	4249698	NonCancel	1.84E-04	5.94E-04	2.84E-04	4.84E-06	0.00E+00	1.89E-04	8.75E-04	1.84E-04	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	8.75E-04
304	ALL	645046.8	4249698	NonCancel	1.68E-04	5.42E-04	2.60E-04	4.41E-06	0.00E+00	1.73E-04	7.99E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	7.99E-04
305	ALL	645146.8	4249698	NonCancel	1.54E-04	4.96E-04	2.38E-04	4.08E-06	0.00E+00	1.58E-04	7.34E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	7.34E-04
306	ALL	645246.8	4249698	NonCancel	1.42E-04	4.56E-04	2.18E-04	3.82E-06	0.00E+00	1.46E-04	6.78E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	6.78E-04
307	ALL	645346.8	4249698	NonCancel	1.31E-04	4.21E-04	2.01E-04	3.62E-06	0.00E+00	1.35E-04	6.31E-04	1.31E-04	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	6.31E-04
308	ALL	642446.8	4249798	NonCancel	9.62E-05	3.21E-04	1.56E-04	1.54E-06	0.00E+00	9.77E-05	4.64E-04	9.62E-05	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	4.64E-04
309	ALL	642546.8	4249798	NonCancel	1.05E-04	3.52E-04	1.71E-04	1.63E-06	0.										

311 ALL	642746.8	4249798	NonCancel	1.30E-04	4.35E-04	2.12E-04	1.88E-06	0.00E+00	1.32E-04	6.19E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	6.19E-04
312 ALL	642846.8	4249798	NonCancel	1.44E-04	4.83E-04	2.35E-04	2.07E-06	0.00E+00	1.46E-04	6.82E-04	1.44E-04	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	6.82E-04
313 ALL	642946.8	4249798	NonCancel	1.58E-04	5.31E-04	2.58E-04	2.31E-06	0.00E+00	1.61E-04	7.50E-04	1.58E-04	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	7.50E-04
314 ALL	643046.8	4249798	NonCancel	1.75E-04	5.84E-04	2.84E-04	2.63E-06	0.00E+00	1.77E-04	8.32E-04	1.75E-04	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	8.32E-04
315 ALL	643146.8	4249798	NonCancel	1.94E-04	6.49E-04	3.15E-04	3.06E-06	0.00E+00	1.97E-04	9.31E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	9.31E-04
316 ALL	643246.8	4249798	NonCancel	2.17E-04	7.22E-04	3.50E-04	3.65E-06	0.00E+00	2.21E-04	1.04E-03	2.17E-04	0.00E+00	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	1.04E-03
317 ALL	643346.8	4249798	NonCancel	2.43E-04	8.04E-04	3.89E-04	4.42E-06	0.00E+00	2.47E-04	1.17E-03	2.43E-04	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	1.17E-03
318 ALL	643446.8	4249798	NonCancel	2.69E-04	8.86E-04	4.28E-04	5.39E-06	0.00E+00	2.75E-04	1.29E-03	2.69E-04	0.00E+00	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	1.29E-03
319 ALL	643546.8	4249798	NonCancel	2.91E-04	9.47E-04	4.55E-04	6.84E-06	0.00E+00	2.98E-04	1.41E-03	2.91E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.41E-03
320 ALL	643646.8	4249798	NonCancel	3.19E-04	1.01E-03	4.83E-04	9.49E-06	0.00E+00	3.28E-04	1.62E-03	3.19E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	1.62E-03
321 ALL	643746.8	4249798	NonCancel	3.71E-04	1.15E-03	5.43E-04	1.35E-05	0.00E+00	3.84E-04	1.96E-03	3.71E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	1.96E-03
322 ALL	643846.8	4249798	NonCancel	4.38E-04	1.34E-03	6.30E-04	1.76E-05	0.00E+00	4.56E-04	2.35E-03	4.38E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	2.35E-03
323 ALL	643946.8	4249798	NonCancel	4.90E-04	1.50E-03	7.07E-04	1.94E-05	0.00E+00	5.09E-04	2.57E-03	4.90E-04	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	2.57E-03
324 ALL	644046.8	4249798	NonCancel	5.01E-04	1.55E-03	7.33E-04	1.84E-05	0.00E+00	5.19E-04	2.54E-03	5.01E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	2.54E-03
325 ALL	644146.8	4249798	NonCancel	4.70E-04	1.47E-03	6.98E-04	1.60E-05	0.00E+00	4.86E-04	2.32E-03	4.70E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	2.32E-03
326 ALL	644246.8	4249798	NonCancel	4.19E-04	1.32E-03	6.28E-04	1.35E-05	0.00E+00	4.33E-04	2.04E-03	4.19E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.04E-03
327 ALL	644346.8	4249798	NonCancel	3.68E-04	1.17E-03	5.56E-04	1.12E-05	0.00E+00	3.80E-04	1.78E-03	3.68E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	1.78E-03
328 ALL	644446.8	4249798	NonCancel	3.24E-04	1.03E-03	4.94E-04	9.29E-06	0.00E+00	3.33E-04	1.55E-03	3.24E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.55E-03
329 ALL	644546.8	4249798	NonCancel	2.86E-04	9.18E-04	4.39E-04	7.72E-06	0.00E+00	2.93E-04	1.35E-03	2.86E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.35E-03
330 ALL	644646.8	4249798	NonCancel	2.53E-04	8.17E-04	3.91E-04	6.51E-06	0.00E+00	2.60E-04	1.19E-03	2.53E-04	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	1.19E-03
331 ALL	644746.8	4249798	NonCancel	2.26E-04	7.31E-04	3.51E-04	5.61E-06	0.00E+00	2.31E-04	1.06E-03	2.26E-04	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	1.06E-03
332 ALL	644846.8	4249798	NonCancel	2.03E-04	6.58E-04	3.16E-04	4.96E-06	0.00E+00	2.08E-04	9.51E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	9.51E-04
333 ALL	644946.8	4249798	NonCancel	1.84E-04	5.96E-04	2.86E-04	4.49E-06	0.00E+00	1.88E-04	8.62E-04	1.84E-04	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	8.62E-04
334 ALL	645046.8	4249798	NonCancel	1.68E-04	5.42E-04	2.60E-04	4.14E-06	0.00E+00	1.72E-04	7.88E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	7.88E-04
335 ALL	645146.8	4249798	NonCancel	1.54E-04	4.96E-04	2.38E-04	3.87E-06	0.00E+00	1.57E-04	7.26E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	7.26E-04
336 ALL	645246.8	4249798	NonCancel	1.41E-04	4.56E-04	2.18E-04	3.65E-06	0.00E+00	1.45E-04	6.72E-04	1.41E-04	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	6.72E-04
337 ALL	645346.8	4249798	NonCancel	1.31E-04	4.22E-04	2.02E-04	3.47E-06	0.00E+00	1.35E-04	6.27E-04	1.31E-04	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	6.27E-04
338 ALL	642446.8	4249898	NonCancel	9.95E-05	3.32E-04	1.61E-04	1.58E-06	0.00E+00	1.01E-04	4.80E-04	9.95E-05	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	4.80E-04
339 ALL	642546.8	4249898	NonCancel	1.09E-04	3.63E-04	1.77E-04	1.67E-06	0.00E+00	1.10E-04	5.24E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	5.24E-04
340 ALL	642646.8	4249898	NonCancel	1.20E-04	4.02E-04	1.95E-04	1.79E-06	0.00E+00	1.22E-04	5.79E-04	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	5.79E-04
341 ALL	642746.8	4249898	NonCancel	1.34E-04	4.50E-04	2.19E-04	1.95E-06	0.00E+00	1.36E-04	6.46E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	6.46E-04
342 ALL	642846.8	4249898	NonCancel	1.51E-04	5.07E-04	2.46E-04	2.16E-06	0.00E+00	1.53E-04	7.23E-04	1.51E-04	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	7.23E-04
343 ALL	642946.8	4249898	NonCancel	1.69E-04	5.66E-04	2.75E-04	2.43E-06	0.00E+00	1.71E-04	8.03E-04	1.69E-04	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	8.03E-04
344 ALL	643046.8	4249898	NonCancel	1.88E-04	6.28E-04	3.05E-04	2.79E-06	0.00E+00	1.90E-04	8.98E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	8.98E-04
345 ALL	643146.8	4249898	NonCancel	2.10E-04	7.02E-04	3.41E-04	3.29E-06	0.00E+00	2.14E-04	1.02E-03	2.10E-04	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	1.02E-03
346 ALL	643246.8	4249898	NonCancel	2.38E-04	7.91E-04	3.84E-04	3.98E-06	0.00E+00	2.42E-04	1.16E-03	2.38E-04	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	1.16E-03
347 ALL	643346.8	4249898	NonCancel	2.71E-04	8.96E-04	4.34E-04	4.95E-06	0.00E+00	2.76E-04	1.32E-03	2.71E-04	0.00E+00	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00	1.32E-03
348 ALL	643446.8	4249898	NonCancel	3.04E-04	1.00E-03	4.83E-04	6.21E-06	0.00E+00	3.11E-04	1.47E-03	3.04E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.47E-03
349 ALL	643546.8	4249898	NonCancel	3.34E-04	1.08E-03	5.20E-04	8.17E-06	0.00E+00	3.42E-04	1.64E-03	3.34E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	1.64E-03
350 ALL	643646.8	4249898	NonCancel	3.75E-04	1.18E-03	5.62E-04	1.19E-05	0.00E+00	3.87E-04	1.94E-03	3.75E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	1.94E-03
351 ALL	643746.8	4249898	NonCancel	4.50E-04	1.39E-03	6.51E-04	1.75E-05	0.00E+00	4.67E-04	2.43E-03	4.50E-04	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	2.43E-03
352 ALL	643846.8	4249898	NonCancel	5.34E-04	1.63E-03	7.65E-04	2.18E-05	0.00E+00	5.56E-04	2.87E-03	5.34E-04	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	2.87E-03
353 ALL	643946.8	4249898	NonCancel	5.80E-04	1.79E-03	8.43E-04	2.21E-05	0.00E+00	6.02E-04	2.99E-03	5.80E-04	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	2.99E-03
354 ALL	644046.8	4249898	NonCancel	5.65E-04	1.77E-03	8.37E-04	1.94E-05	0.00E+00	5.84E-04	2.80E-03	5.65E-04	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	2.80E-03
355 ALL	644146.8	4249898	NonCancel	5.06E-04	1.60E-03	7.60E-04	1.60E-05	0.00E+00	5.22E-04	2.45E-03	5.06E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	2.45E-03
356 ALL	644246.8	4249898	NonCancel	4.38E-04	1.40E-03	6.65E-04	1.29E-05	0.00E+00	4.51E-04	2.10E-03	4.38E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	2.10E-03
357 ALL	644346.8	4249898	NonCancel	3.79E-04	1.22E-03	5.81E-04	1.04E-05	0.00E+00	3.89E-04	1.79E-03	3.79E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	1.79E-03
358 ALL	644446.8	4249898	NonCancel	3.29E-04	1.06E-03	5.09E-04	8.37E-06	0.00E+00	3.37E-04	1.54E-03	3.29E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.54E-03
359 ALL	644546.8	4249898	NonCancel	2.87E-04	9.33E-04	4.48E-04	6.90E-06	0.00E+00	2.94E-04	1.34E-03	2.87E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.34E-03
360 ALL	644646.8	4249898	NonCancel	2.53E-04	8.25E-04	3.97E-04	5.85E-06	0.00E+00	2.59E-04	1.17E-03	2.53E-04	0.00E+00	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00	1.17E-03
361 ALL	644746.8	4249898	NonCancel	2.25E-04	7.35E-04	3.54E-04	5.12E-06	0.00E+00	2.31E-04	1.04E-03	2.25E-04	0.00E+00	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	1.04E-03
362 ALL	644846.8	4249898	NonCancel	2.02E-04														

363 ALL	644946.8	4249898	NonCancel	1.83E-04	5.96E-04	2.87E-04	4.22E-06	0.00E+00	1.87E-04	8.51E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	8.51E-04
364 ALL	645046.8	4249898	NonCancel	1.67E-04	5.43E-04	2.61E-04	3.93E-06	0.00E+00	1.71E-04	7.80E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	7.80E-04
365 ALL	645146.8	4249898	NonCancel	1.53E-04	4.97E-04	2.39E-04	3.69E-06	0.00E+00	1.57E-04	7.21E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	7.21E-04
366 ALL	645246.8	4249898	NonCancel	1.42E-04	4.58E-04	2.20E-04	3.50E-06	0.00E+00	1.45E-04	6.69E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	6.69E-04
367 ALL	645346.8	4249898	NonCancel	1.31E-04	4.24E-04	2.03E-04	3.33E-06	0.00E+00	1.35E-04	6.24E-04	1.31E-04	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	6.24E-04
368 ALL	642446.8	4249998	NonCancel	1.04E-04	3.47E-04	1.69E-04	1.63E-06	0.00E+00	1.06E-04	5.00E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	5.00E-04
369 ALL	642546.8	4249998	NonCancel	1.13E-04	3.79E-04	1.84E-04	1.74E-06	0.00E+00	1.15E-04	5.46E-04	1.13E-04	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	5.46E-04
370 ALL	642646.8	4249998	NonCancel	1.25E-04	4.17E-04	2.03E-04	1.87E-06	0.00E+00	1.27E-04	6.03E-04	1.25E-04	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	6.03E-04
371 ALL	642746.8	4249998	NonCancel	1.39E-04	4.64E-04	2.26E-04	2.03E-06	0.00E+00	1.41E-04	6.72E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	6.72E-04
372 ALL	642846.8	4249998	NonCancel	1.56E-04	5.24E-04	2.55E-04	2.26E-06	0.00E+00	1.58E-04	7.58E-04	1.56E-04	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	7.58E-04
373 ALL	642946.8	4249998	NonCancel	1.78E-04	5.95E-04	2.90E-04	2.56E-06	0.00E+00	1.80E-04	8.57E-04	1.78E-04	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	8.57E-04
374 ALL	643046.8	4249998	NonCancel	2.02E-04	6.76E-04	3.29E-04	2.98E-06	0.00E+00	2.05E-04	9.73E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	9.73E-04
375 ALL	643146.8	4249998	NonCancel	2.28E-04	7.62E-04	3.70E-04	3.56E-06	0.00E+00	2.32E-04	1.11E-03	2.28E-04	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	1.11E-03
376 ALL	643246.8	4249998	NonCancel	2.61E-04	8.69E-04	4.22E-04	4.39E-06	0.00E+00	2.66E-04	1.29E-03	2.61E-04	0.00E+00	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	1.29E-03
377 ALL	643346.8	4249998	NonCancel	3.03E-04	1.00E-03	4.84E-04	5.62E-06	0.00E+00	3.08E-04	1.50E-03	3.03E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.50E-03
378 ALL	643446.8	4249998	NonCancel	3.46E-04	1.13E-03	5.47E-04	7.32E-06	0.00E+00	3.53E-04	1.71E-03	3.46E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	1.71E-03
379 ALL	643546.8	4249998	NonCancel	3.89E-04	1.25E-03	6.01E-04	1.01E-05	0.00E+00	3.99E-04	1.95E-03	3.89E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	1.95E-03
380 ALL	643646.8	4249998	NonCancel	4.53E-04	1.42E-03	6.69E-04	1.58E-05	0.00E+00	4.69E-04	2.42E-03	4.53E-04	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	2.42E-03
381 ALL	643746.8	4249998	NonCancel	5.61E-04	1.71E-03	8.02E-04	2.33E-05	0.00E+00	5.85E-04	3.09E-03	5.61E-04	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	3.09E-03
382 ALL	643846.8	4249998	NonCancel	6.59E-04	2.02E-03	9.46E-04	2.67E-05	0.00E+00	6.86E-04	3.52E-03	6.59E-04	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	3.52E-03
383 ALL	643946.8	4249998	NonCancel	6.83E-04	2.13E-03	1.01E-03	2.43E-05	0.00E+00	7.08E-04	3.44E-03	6.83E-04	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	3.44E-03
384 ALL	644046.8	4249998	NonCancel	6.26E-04	1.98E-03	9.41E-04	1.97E-05	0.00E+00	6.45E-04	3.02E-03	6.26E-04	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	3.02E-03
385 ALL	644146.8	4249998	NonCancel	5.35E-04	1.71E-03	8.16E-04	1.54E-05	0.00E+00	5.51E-04	2.54E-03	5.35E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	2.54E-03
386 ALL	644246.8	4249998	NonCancel	4.53E-04	1.46E-03	7.00E-04	1.19E-05	0.00E+00	4.65E-04	2.12E-03	4.53E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	2.12E-03
387 ALL	644346.8	4249998	NonCancel	3.86E-04	1.25E-03	6.02E-04	9.24E-06	0.00E+00	3.95E-04	1.78E-03	3.86E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	1.78E-03
388 ALL	644446.8	4249998	NonCancel	3.32E-04	1.08E-03	5.21E-04	7.42E-06	0.00E+00	3.39E-04	1.52E-03	3.32E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.52E-03
389 ALL	644546.8	4249998	NonCancel	2.88E-04	9.43E-04	4.55E-04	6.18E-06	0.00E+00	2.94E-04	1.32E-03	2.88E-04	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	1.32E-03
390 ALL	644646.8	4249998	NonCancel	2.53E-04	8.30E-04	4.00E-04	5.34E-06	0.00E+00	2.59E-04	1.16E-03	2.53E-04	0.00E+00	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	1.16E-03
391 ALL	644746.8	4249998	NonCancel	2.25E-04	7.37E-04	3.55E-04	4.75E-06	0.00E+00	2.30E-04	1.03E-03	2.25E-04	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	1.03E-03
392 ALL	644846.8	4249998	NonCancel	2.02E-04	6.61E-04	3.18E-04	4.33E-06	0.00E+00	2.06E-04	9.28E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	9.28E-04
393 ALL	644946.8	4249998	NonCancel	1.83E-04	5.98E-04	2.88E-04	4.00E-06	0.00E+00	1.87E-04	8.45E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	8.45E-04
394 ALL	645046.8	4249998	NonCancel	1.67E-04	5.45E-04	2.62E-04	3.74E-06	0.00E+00	1.71E-04	7.77E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	7.77E-04
395 ALL	645146.8	4249998	NonCancel	1.53E-04	5.00E-04	2.40E-04	3.52E-06	0.00E+00	1.57E-04	7.17E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	7.17E-04
396 ALL	645246.8	4249998	NonCancel	1.42E-04	4.62E-04	2.22E-04	3.34E-06	0.00E+00	1.45E-04	6.68E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	6.68E-04
397 ALL	645346.8	4249998	NonCancel	1.32E-04	4.29E-04	2.06E-04	3.18E-06	0.00E+00	1.35E-04	6.24E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	6.24E-04
398 ALL	642446.8	4250098	NonCancel	1.10E-04	3.68E-04	1.79E-04	1.70E-06	0.00E+00	1.12E-04	5.26E-04	1.10E-04	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	5.26E-04
399 ALL	642546.8	4250098	NonCancel	1.20E-04	4.00E-04	1.94E-04	1.81E-06	0.00E+00	1.21E-04	5.74E-04	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	5.74E-04
400 ALL	642646.8	4250098	NonCancel	1.31E-04	4.39E-04	2.13E-04	1.96E-06	0.00E+00	1.33E-04	6.33E-04	1.31E-04	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	6.33E-04
401 ALL	642746.8	4250098	NonCancel	1.45E-04	4.86E-04	2.36E-04	2.15E-06	0.00E+00	1.47E-04	7.05E-04	1.45E-04	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	7.05E-04
402 ALL	642846.8	4250098	NonCancel	1.63E-04	5.46E-04	2.65E-04	2.40E-06	0.00E+00	1.65E-04	7.97E-04	1.63E-04	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	7.97E-04
403 ALL	642946.8	4250098	NonCancel	1.86E-04	6.24E-04	3.03E-04	2.74E-06	0.00E+00	1.89E-04	9.15E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	9.15E-04
404 ALL	643046.8	4250098	NonCancel	2.16E-04	7.22E-04	3.51E-04	3.22E-06	0.00E+00	2.19E-04	1.06E-03	2.16E-04	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	1.06E-03
405 ALL	643146.8	4250098	NonCancel	2.49E-04	8.33E-04	4.04E-04	3.91E-06	0.00E+00	2.53E-04	1.23E-03	2.49E-04	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	1.23E-03
406 ALL	643246.8	4250098	NonCancel	2.88E-04	9.56E-04	4.63E-04	4.92E-06	0.00E+00	2.93E-04	1.45E-03	2.88E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.45E-03
407 ALL	643346.8	4250098	NonCancel	3.36E-04	1.11E-03	5.36E-04	6.48E-06	0.00E+00	3.43E-04	1.72E-03	3.36E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	1.72E-03
408 ALL	643446.8	4250098	NonCancel	3.96E-04	1.29E-03	6.21E-04	8.87E-06	0.00E+00	4.04E-04	2.02E-03	3.96E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	2.02E-03
409 ALL	643546.8	4250098	NonCancel	4.62E-04	1.48E-03	7.05E-04	1.30E-05	0.00E+00	4.75E-04	2.40E-03	4.62E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	2.40E-03
410 ALL	643646.8	4250098	NonCancel	5.66E-04	1.74E-03	8.20E-04	2.20E-05	0.00E+00	5.88E-04	3.14E-03	5.66E-04	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	3.14E-03
411 ALL	643746.8	4250098	NonCancel	7.22E-04	2.19E-03	1.02E-03	3.15E-05	0.00E+00	7.54E-04	4.04E-03	7.22E-04	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	4.04E-03
412 ALL	643846.8	4250098	NonCancel	8.20E-04	2.53E-03	1.19E-03	3.16E-05	0.00E+00	8.52E-04	4.29E-03	8.20E-04	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	4.29E-03
413 ALL	643946.8	4250098	NonCancel	7.94E-04	2.50E-03	1.19E-03	2.54E-05	0.00E+00	8.19E-04	3.86E-03	7.94E-04	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	3.86E-03
414 ALL	644046.8	4250098	NonCancel	6.77E-04														

415 ALL	644146.8	4250098	NonCancel	5.58E-04	1.81E-03	8.66E-04	1.40E-05	0.00E+00	5.72E-04	2.58E-03	5.58E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	2.58E-03
416 ALL	644246.8	4250098	NonCancel	4.64E-04	1.51E-03	7.28E-04	1.05E-05	0.00E+00	4.74E-04	2.12E-03	4.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.12E-03
417 ALL	644346.8	4250098	NonCancel	3.90E-04	1.28E-03	6.17E-04	8.14E-06	0.00E+00	3.98E-04	1.76E-03	3.90E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	1.76E-03
418 ALL	644446.8	4250098	NonCancel	3.33E-04	1.09E-03	5.29E-04	6.65E-06	0.00E+00	3.39E-04	1.50E-03	3.33E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.50E-03
419 ALL	644546.8	4250098	NonCancel	2.88E-04	9.49E-04	4.59E-04	5.66E-06	0.00E+00	2.94E-04	1.30E-03	2.88E-04	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	1.30E-03
420 ALL	644646.8	4250098	NonCancel	2.53E-04	8.33E-04	4.02E-04	4.98E-06	0.00E+00	2.58E-04	1.14E-03	2.53E-04	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	1.14E-03
421 ALL	644746.8	4250098	NonCancel	2.25E-04	7.40E-04	3.57E-04	4.48E-06	0.00E+00	2.29E-04	1.02E-03	2.25E-04	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	1.02E-03
422 ALL	644846.8	4250098	NonCancel	2.02E-04	6.64E-04	3.21E-04	4.10E-06	0.00E+00	2.06E-04	9.24E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	9.24E-04
423 ALL	644946.8	4250098	NonCancel	1.84E-04	6.03E-04	2.91E-04	3.80E-06	0.00E+00	1.87E-04	8.44E-04	1.84E-04	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	8.44E-04
424 ALL	645046.8	4250098	NonCancel	1.68E-04	5.51E-04	2.66E-04	3.55E-06	0.00E+00	1.72E-04	7.77E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	7.77E-04
425 ALL	645146.8	4250098	NonCancel	1.55E-04	5.07E-04	2.45E-04	3.35E-06	0.00E+00	1.58E-04	7.20E-04	1.55E-04	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	7.20E-04
426 ALL	645246.8	4250098	NonCancel	1.43E-04	4.68E-04	2.25E-04	3.17E-06	0.00E+00	1.46E-04	6.68E-04	1.43E-04	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	6.68E-04
427 ALL	645346.8	4250098	NonCancel	1.33E-04	4.33E-04	2.08E-04	3.02E-06	0.00E+00	1.36E-04	6.22E-04	1.33E-04	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	6.22E-04
428 ALL	642446.8	4250198	NonCancel	1.18E-04	3.95E-04	1.92E-04	1.77E-06	0.00E+00	1.20E-04	5.60E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	5.60E-04
429 ALL	642546.8	4250198	NonCancel	1.28E-04	4.29E-04	2.08E-04	1.90E-06	0.00E+00	1.30E-04	6.10E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	6.10E-04
430 ALL	642646.8	4250198	NonCancel	1.40E-04	4.68E-04	2.28E-04	2.07E-06	0.00E+00	1.42E-04	6.71E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	6.71E-04
431 ALL	642746.8	4250198	NonCancel	1.54E-04	5.17E-04	2.51E-04	2.28E-06	0.00E+00	1.57E-04	7.48E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	7.48E-04
432 ALL	642846.8	4250198	NonCancel	1.72E-04	5.77E-04	2.81E-04	2.57E-06	0.00E+00	1.75E-04	8.46E-04	1.72E-04	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	8.46E-04
433 ALL	642946.8	4250198	NonCancel	1.96E-04	6.56E-04	3.19E-04	2.97E-06	0.00E+00	1.99E-04	9.76E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	9.76E-04
434 ALL	643046.8	4250198	NonCancel	2.28E-04	7.63E-04	3.71E-04	3.53E-06	0.00E+00	2.32E-04	1.15E-03	2.28E-04	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	1.15E-03
435 ALL	643146.8	4250198	NonCancel	2.71E-04	9.04E-04	4.39E-04	4.36E-06	0.00E+00	2.75E-04	1.37E-03	2.71E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.37E-03
436 ALL	643246.8	4250198	NonCancel	3.19E-04	1.06E-03	5.12E-04	5.61E-06	0.00E+00	3.24E-04	1.65E-03	3.19E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	1.65E-03
437 ALL	643346.8	4250198	NonCancel	3.75E-04	1.23E-03	5.95E-04	7.60E-06	0.00E+00	3.82E-04	2.00E-03	3.75E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	2.00E-03
438 ALL	643446.8	4250198	NonCancel	4.56E-04	1.48E-03	7.09E-04	1.11E-05	0.00E+00	4.67E-04	2.44E-03	4.56E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	2.44E-03
439 ALL	643546.8	4250198	NonCancel	5.61E-04	1.77E-03	8.42E-04	1.77E-05	0.00E+00	5.79E-04	3.06E-03	5.61E-04	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	3.06E-03
440 ALL	643646.8	4250198	NonCancel	7.42E-04	2.24E-03	1.04E-03	3.28E-05	0.00E+00	7.75E-04	4.33E-03	7.42E-04	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	4.33E-03
441 ALL	643746.8	4250198	NonCancel	9.54E-04	2.88E-03	1.34E-03	4.23E-05	0.00E+00	9.96E-04	5.35E-03	9.54E-04	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	5.35E-03
442 ALL	643846.8	4250198	NonCancel	1.02E-03	3.19E-03	1.51E-03	3.52E-05	0.00E+00	1.06E-03	5.11E-03	1.02E-03	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	5.11E-03
443 ALL	643946.8	4250198	NonCancel	8.94E-04	2.86E-03	1.37E-03	2.49E-05	0.00E+00	9.19E-04	4.20E-03	8.94E-04	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	4.20E-03
444 ALL	644046.8	4250198	NonCancel	7.15E-04	2.32E-03	1.11E-03	1.72E-05	0.00E+00	7.32E-04	3.27E-03	7.15E-04	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	3.27E-03
445 ALL	644146.8	4250198	NonCancel	5.74E-04	1.88E-03	9.07E-04	1.22E-05	0.00E+00	5.86E-04	2.58E-03	5.74E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	2.58E-03
446 ALL	644246.8	4250198	NonCancel	4.69E-04	1.55E-03	7.47E-04	9.18E-06	0.00E+00	4.78E-04	2.09E-03	4.69E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	2.09E-03
447 ALL	644346.8	4250198	NonCancel	3.91E-04	1.29E-03	6.25E-04	7.33E-06	0.00E+00	3.99E-04	1.74E-03	3.91E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.74E-03
448 ALL	644446.8	4250198	NonCancel	3.33E-04	1.10E-03	5.33E-04	6.14E-06	0.00E+00	3.39E-04	1.48E-03	3.33E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.48E-03
449 ALL	644546.8	4250198	NonCancel	2.88E-04	9.53E-04	4.61E-04	5.31E-06	0.00E+00	2.94E-04	1.29E-03	2.88E-04	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	1.29E-03
450 ALL	644646.8	4250198	NonCancel	2.53E-04	8.38E-04	4.05E-04	4.70E-06	0.00E+00	2.58E-04	1.14E-03	2.53E-04	0.00E+00	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	1.14E-03
451 ALL	644746.8	4250198	NonCancel	2.26E-04	7.47E-04	3.62E-04	4.24E-06	0.00E+00	2.30E-04	1.02E-03	2.26E-04	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	1.02E-03
452 ALL	644846.8	4250198	NonCancel	2.04E-04	6.72E-04	3.25E-04	3.87E-06	0.00E+00	2.07E-04	9.25E-04	2.04E-04	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	9.25E-04
453 ALL	644946.8	4250198	NonCancel	1.85E-04	6.11E-04	2.95E-04	3.59E-06	0.00E+00	1.89E-04	8.45E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	8.45E-04
454 ALL	645046.8	4250198	NonCancel	1.69E-04	5.58E-04	2.70E-04	3.35E-06	0.00E+00	1.73E-04	7.76E-04	1.69E-04	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	7.76E-04
455 ALL	645146.8	4250198	NonCancel	1.56E-04	5.12E-04	2.47E-04	3.16E-06	0.00E+00	1.59E-04	7.16E-04	1.56E-04	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	7.16E-04
456 ALL	645246.8	4250198	NonCancel	1.43E-04	4.69E-04	2.26E-04	2.99E-06	0.00E+00	1.46E-04	6.62E-04	1.43E-04	0.00E+00	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00	6.62E-04
457 ALL	645346.8	4250198	NonCancel	1.32E-04	4.31E-04	2.08E-04	2.85E-06	0.00E+00	1.35E-04	6.12E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	6.12E-04
458 ALL	642446.8	4250298	NonCancel	1.27E-04	4.27E-04	2.08E-04	1.83E-06	0.00E+00	1.29E-04	6.02E-04	1.27E-04	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	6.02E-04
459 ALL	642546.8	4250298	NonCancel	1.39E-04	4.66E-04	2.27E-04	1.98E-06	0.00E+00	1.41E-04	6.58E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	6.58E-04
460 ALL	642646.8	4250298	NonCancel	1.52E-04	5.09E-04	2.48E-04	2.18E-06	0.00E+00	1.54E-04	7.23E-04	1.52E-04	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	7.23E-04
461 ALL	642746.8	4250298	NonCancel	1.67E-04	5.61E-04	2.73E-04	2.44E-06	0.00E+00	1.70E-04	8.04E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	8.04E-04
462 ALL	642846.8	4250298	NonCancel	1.87E-04	6.24E-04	3.04E-04	2.78E-06	0.00E+00	1.89E-04	9.11E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	9.11E-04
463 ALL	642946.8	4250298	NonCancel	2.11E-04	7.04E-04	3.42E-04	3.26E-06	0.00E+00	2.14E-04	1.05E-03	2.11E-04	0.00E+00	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00	1.05E-03
464 ALL	643046.8	4250298	NonCancel	2.44E-04	8.14E-04	3.95E-04	3.94E-06	0.00E+00	2.48E-04	1.25E-03	2.44E-04	0.00E+00	0.00E+00	0.00E+00	9.77E-05	0.00E+00	0.00E+00	1.25E-03
465 ALL	643146.8	4250298	NonCancel	2.91E-04	9.68E-04	4.69E-04	4.95E-06	0.00E+00	2.96E-04	1.53E-03	2.91E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.53E-03
466 ALL	643246.8	4250298	NonCancel	3.53E-04														

467 ALL	643346.8	4250298 NonCancel	4.23E-04	1.38E-03	6.66E-04	9.15E-06	0.00E+00	4.32E-04	2.40E-03	4.23E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	2.40E-03
468 ALL	643446.8	4250298 NonCancel	5.27E-04	1.69E-03	8.09E-04	1.42E-05	0.00E+00	5.41E-04	3.06E-03	5.27E-04	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	3.06E-03
469 ALL	643546.8	4250298 NonCancel	7.04E-04	2.18E-03	1.03E-03	2.59E-05	0.00E+00	7.30E-04	4.15E-03	7.04E-04	0.00E+00	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	4.15E-03
470 ALL	643646.8	4250298 NonCancel	1.03E-03	3.04E-03	1.40E-03	5.21E-05	0.00E+00	1.08E-03	6.37E-03	1.03E-03	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	6.37E-03
471 ALL	643746.8	4250298 NonCancel	1.28E-03	3.91E-03	1.83E-03	5.28E-05	0.00E+00	1.33E-03	6.98E-03	1.28E-03	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	6.98E-03
472 ALL	643846.8	4250298 NonCancel	1.24E-03	3.96E-03	1.89E-03	3.53E-05	0.00E+00	1.28E-03	5.88E-03	1.24E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	5.88E-03
473 ALL	643946.8	4250298 NonCancel	9.66E-04	3.15E-03	1.51E-03	2.23E-05	0.00E+00	9.89E-04	4.37E-03	9.66E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	4.37E-03
474 ALL	644046.8	4250298 NonCancel	7.39E-04	2.43E-03	1.17E-03	1.49E-05	0.00E+00	7.54E-04	3.28E-03	7.39E-04	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	3.28E-03
475 ALL	644146.8	4250298 NonCancel	5.80E-04	1.92E-03	9.28E-04	1.08E-05	0.00E+00	5.91E-04	2.56E-03	5.80E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	2.56E-03
476 ALL	644246.8	4250298 NonCancel	4.70E-04	1.56E-03	7.54E-04	8.38E-06	0.00E+00	4.78E-04	2.07E-03	4.70E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	2.07E-03
477 ALL	644346.8	4250298 NonCancel	3.91E-04	1.30E-03	6.29E-04	6.84E-06	0.00E+00	3.98E-04	1.73E-03	3.91E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.73E-03
478 ALL	644446.8	4250298 NonCancel	3.34E-04	1.11E-03	5.37E-04	5.77E-06	0.00E+00	3.40E-04	1.48E-03	3.34E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	1.48E-03
479 ALL	644546.8	4250298 NonCancel	2.90E-04	9.65E-04	4.68E-04	5.00E-06	0.00E+00	2.95E-04	1.29E-03	2.90E-04	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	1.29E-03
480 ALL	644646.8	4250298 NonCancel	2.56E-04	8.49E-04	4.12E-04	4.42E-06	0.00E+00	2.60E-04	1.14E-03	2.56E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	1.14E-03
481 ALL	644746.8	4250298 NonCancel	2.28E-04	7.55E-04	3.66E-04	3.98E-06	0.00E+00	2.32E-04	1.02E-03	2.28E-04	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	1.02E-03
482 ALL	644846.8	4250298 NonCancel	2.05E-04	6.78E-04	3.29E-04	3.64E-06	0.00E+00	2.08E-04	9.21E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	9.21E-04
483 ALL	644946.8	4250298 NonCancel	1.85E-04	6.13E-04	2.97E-04	3.37E-06	0.00E+00	1.89E-04	8.38E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	8.38E-04
484 ALL	645046.8	4250298 NonCancel	1.69E-04	5.57E-04	2.69E-04	3.16E-06	0.00E+00	1.72E-04	7.66E-04	1.69E-04	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	7.66E-04
485 ALL	645146.8	4250298 NonCancel	1.54E-04	5.09E-04	2.46E-04	2.98E-06	0.00E+00	1.57E-04	7.05E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	7.05E-04
486 ALL	645246.8	4250298 NonCancel	1.41E-04	4.65E-04	2.25E-04	2.84E-06	0.00E+00	1.44E-04	6.50E-04	1.41E-04	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	6.50E-04
487 ALL	645346.8	4250298 NonCancel	1.30E-04	4.27E-04	2.06E-04	2.71E-06	0.00E+00	1.33E-04	6.02E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	6.02E-04
488 ALL	642446.8	4250398 NonCancel	1.38E-04	4.62E-04	2.25E-04	1.91E-06	0.00E+00	1.40E-04	6.49E-04	1.38E-04	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	6.49E-04
489 ALL	642546.8	4250398 NonCancel	1.51E-04	5.08E-04	2.47E-04	2.07E-06	0.00E+00	1.53E-04	7.14E-04	1.51E-04	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	7.14E-04
490 ALL	642646.8	4250398 NonCancel	1.67E-04	5.60E-04	2.73E-04	2.29E-06	0.00E+00	1.69E-04	7.90E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	7.90E-04
491 ALL	642746.8	4250398 NonCancel	1.85E-04	6.22E-04	3.03E-04	2.59E-06	0.00E+00	1.88E-04	8.83E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	8.83E-04
492 ALL	642846.8	4250398 NonCancel	2.07E-04	6.94E-04	3.38E-04	3.00E-06	0.00E+00	2.10E-04	1.00E-03	2.07E-04	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	1.00E-03
493 ALL	642946.8	4250398 NonCancel	2.34E-04	7.83E-04	3.80E-04	3.59E-06	0.00E+00	2.38E-04	1.16E-03	2.34E-04	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	1.16E-03
494 ALL	643046.8	4250398 NonCancel	2.69E-04	8.96E-04	4.35E-04	4.45E-06	0.00E+00	2.74E-04	1.38E-03	2.69E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.38E-03
495 ALL	643146.8	4250398 NonCancel	3.16E-04	1.05E-03	5.07E-04	5.75E-06	0.00E+00	3.22E-04	1.71E-03	3.16E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	1.71E-03
496 ALL	643246.8	4250398 NonCancel	3.85E-04	1.27E-03	6.11E-04	7.80E-06	0.00E+00	3.93E-04	2.21E-03	3.85E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	2.21E-03
497 ALL	643346.8	4250398 NonCancel	4.83E-04	1.57E-03	7.55E-04	1.13E-05	0.00E+00	4.95E-04	2.98E-03	4.83E-04	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	2.98E-03
498 ALL	643446.8	4250398 NonCancel	6.12E-04	1.95E-03	9.26E-04	1.85E-05	0.00E+00	6.31E-04	4.06E-03	6.12E-04	0.00E+00	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	4.06E-03
499 ALL	643546.8	4250398 NonCancel	9.30E-04	2.81E-03	1.31E-03	4.10E-05	0.00E+00	9.71E-04	6.20E-03	9.30E-04	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	6.20E-03
500 ALL	643646.8	4250398 NonCancel	1.50E-03	4.35E-03	1.99E-03	8.21E-05	0.00E+00	1.58E-03	9.68E-03	1.50E-03	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	9.68E-03
501 ALL	643746.8	4250398 NonCancel	1.75E-03	5.52E-03	2.62E-03	5.57E-05	0.00E+00	1.80E-03	8.73E-03	1.75E-03	0.00E+00	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	8.73E-03
502 ALL	643846.8	4250398 NonCancel	1.42E-03	4.65E-03	2.24E-03	3.10E-05	0.00E+00	1.45E-03	6.35E-03	1.42E-03	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	6.35E-03
503 ALL	643946.8	4250398 NonCancel	1.01E-03	3.32E-03	1.61E-03	1.92E-05	0.00E+00	1.03E-03	4.41E-03	1.01E-03	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	4.41E-03
504 ALL	644046.8	4250398 NonCancel	7.43E-04	2.46E-03	1.19E-03	1.33E-05	0.00E+00	7.57E-04	3.25E-03	7.43E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	3.25E-03
505 ALL	644146.8	4250398 NonCancel	5.79E-04	1.92E-03	9.32E-04	9.98E-06	0.00E+00	5.89E-04	2.53E-03	5.79E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	2.53E-03
506 ALL	644246.8	4250398 NonCancel	4.71E-04	1.57E-03	7.59E-04	7.85E-06	0.00E+00	4.78E-04	2.06E-03	4.71E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	2.06E-03
507 ALL	644346.8	4250398 NonCancel	3.95E-04	1.31E-03	6.38E-04	6.43E-06	0.00E+00	4.01E-04	1.73E-03	3.95E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.73E-03
508 ALL	644446.8	4250398 NonCancel	3.38E-04	1.13E-03	5.46E-04	5.42E-06	0.00E+00	3.43E-04	1.49E-03	3.38E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	1.49E-03
509 ALL	644546.8	4250398 NonCancel	2.93E-04	9.77E-04	4.74E-04	4.70E-06	0.00E+00	2.98E-04	1.29E-03	2.93E-04	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	1.29E-03
510 ALL	644646.8	4250398 NonCancel	2.57E-04	8.57E-04	4.16E-04	4.17E-06	0.00E+00	2.61E-04	1.14E-03	2.57E-04	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	1.14E-03
511 ALL	644746.8	4250398 NonCancel	2.28E-04	7.58E-04	3.68E-04	3.76E-06	0.00E+00	2.31E-04	1.01E-03	2.28E-04	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	1.01E-03
512 ALL	644846.8	4250398 NonCancel	2.03E-04	6.73E-04	3.26E-04	3.44E-06	0.00E+00	2.06E-04	9.07E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	9.07E-04
513 ALL	644946.8	4250398 NonCancel	1.83E-04	6.06E-04	2.93E-04	3.20E-06	0.00E+00	1.86E-04	8.22E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	8.22E-04
514 ALL	645046.8	4250398 NonCancel	1.66E-04	5.49E-04	2.66E-04	3.00E-06	0.00E+00	1.69E-04	7.51E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	7.51E-04
515 ALL	645146.8	4250398 NonCancel	1.52E-04	5.01E-04	2.42E-04	2.85E-06	0.00E+00	1.54E-04	6.91E-04	1.52E-04	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	6.91E-04
516 ALL	645246.8	4250398 NonCancel	1.40E-04	4.60E-04	2.22E-04	2.72E-06	0.00E+00	1.42E-04	6.40E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	6.40E-04
517 ALL	645346.8	4250398 NonCancel	1.29E-04	4.23E-04	2.04E-04	2.61E-06	0.00E+00	1.31E-04	5.94E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	5.94E-04
518 ALL	642446.8	4250498 NonCancel	1.48E-04	4.97E-04	2.42E-04	2.05E-06	0.00E+00	1.50E-04	7.00E-04	1.48E-04	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	7.00E-04

519 ALL	642546.8	4250498	NonCancel	1.64E-04	5.50E-04	2.68E-04	2.22E-06	0.00E+00	1.66E-04	7.74E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	7.74E-04
520 ALL	642646.8	4250498	NonCancel	1.82E-04	6.12E-04	2.98E-04	2.45E-06	0.00E+00	1.85E-04	8.64E-04	1.82E-04	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	8.64E-04
521 ALL	642746.8	4250498	NonCancel	2.05E-04	6.89E-04	3.35E-04	2.77E-06	0.00E+00	2.08E-04	9.78E-04	2.05E-04	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	9.78E-04
522 ALL	642846.8	4250498	NonCancel	2.32E-04	7.79E-04	3.79E-04	3.24E-06	0.00E+00	2.35E-04	1.12E-03	2.32E-04	0.00E+00	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	1.12E-03
523 ALL	642946.8	4250498	NonCancel	2.66E-04	8.91E-04	4.33E-04	3.93E-06	0.00E+00	2.70E-04	1.31E-03	2.66E-04	0.00E+00	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	1.31E-03
524 ALL	643046.8	4250498	NonCancel	3.08E-04	1.03E-03	4.98E-04	4.99E-06	0.00E+00	3.13E-04	1.57E-03	3.08E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.57E-03
525 ALL	643146.8	4250498	NonCancel	3.62E-04	1.20E-03	5.80E-04	6.68E-06	0.00E+00	3.69E-04	1.96E-03	3.62E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	1.96E-03
526 ALL	643246.8	4250498	NonCancel	4.35E-04	1.42E-03	6.86E-04	9.48E-06	0.00E+00	4.45E-04	2.64E-03	4.35E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	2.64E-03
527 ALL	643346.8	4250498	NonCancel	5.46E-04	1.76E-03	8.44E-04	1.42E-05	0.00E+00	5.61E-04	3.82E-03	5.46E-04	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	3.82E-03
528 ALL	643446.8	4250498	NonCancel	7.32E-04	2.31E-03	1.10E-03	2.32E-05	0.00E+00	7.56E-04	5.96E-03	7.32E-04	0.00E+00	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	5.96E-03
529 ALL	643546.8	4250498	NonCancel	1.30E-03	3.83E-03	1.76E-03	6.61E-05	0.00E+00	1.37E-03	1.06E-02	1.30E-03	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.06E-02
530 ALL	643646.8	4250498	NonCancel	2.10E-03	6.33E-03	2.94E-03	9.55E-05	0.00E+00	2.20E-03	1.32E-02	2.10E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	1.32E-02
531 ALL	643746.8	4250498	NonCancel	2.44E-03	8.07E-03	3.90E-03	4.64E-05	0.00E+00	2.49E-03	1.06E-02	2.44E-03	0.00E+00	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	1.06E-02
532 ALL	643846.8	4250498	NonCancel	1.50E-03	4.98E-03	2.41E-03	2.67E-05	0.00E+00	1.53E-03	6.46E-03	1.50E-03	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	6.46E-03
533 ALL	643946.8	4250498	NonCancel	9.92E-04	3.29E-03	1.59E-03	1.75E-05	0.00E+00	1.01E-03	4.32E-03	9.92E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	4.32E-03
534 ALL	644046.8	4250498	NonCancel	7.35E-04	2.44E-03	1.18E-03	1.24E-05	0.00E+00	7.47E-04	3.21E-03	7.35E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	3.21E-03
535 ALL	644146.8	4250498	NonCancel	5.80E-04	1.93E-03	9.38E-04	9.36E-06	0.00E+00	5.89E-04	2.53E-03	5.80E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.53E-03
536 ALL	644246.8	4250498	NonCancel	4.73E-04	1.58E-03	7.68E-04	7.39E-06	0.00E+00	4.81E-04	2.06E-03	4.73E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	2.06E-03
537 ALL	644346.8	4250498	NonCancel	3.95E-04	1.32E-03	6.42E-04	6.07E-06	0.00E+00	4.01E-04	1.72E-03	3.95E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.72E-03
538 ALL	644446.8	4250498	NonCancel	3.36E-04	1.12E-03	5.46E-04	5.14E-06	0.00E+00	3.41E-04	1.47E-03	3.36E-04	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	1.47E-03
539 ALL	644546.8	4250498	NonCancel	2.91E-04	9.71E-04	4.72E-04	4.47E-06	0.00E+00	2.95E-04	1.28E-03	2.91E-04	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	1.28E-03
540 ALL	644646.8	4250498	NonCancel	2.54E-04	8.49E-04	4.12E-04	3.98E-06	0.00E+00	2.58E-04	1.12E-03	2.54E-04	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	1.12E-03
541 ALL	644746.8	4250498	NonCancel	2.25E-04	7.52E-04	3.65E-04	3.60E-06	0.00E+00	2.29E-04	1.00E-03	2.25E-04	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	1.00E-03
542 ALL	644846.8	4250498	NonCancel	2.02E-04	6.72E-04	3.26E-04	3.31E-06	0.00E+00	2.05E-04	9.00E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	9.00E-04
543 ALL	644946.8	4250498	NonCancel	1.81E-04	6.02E-04	2.92E-04	3.08E-06	0.00E+00	1.84E-04	8.14E-04	1.81E-04	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	8.14E-04
544 ALL	645046.8	4250498	NonCancel	1.64E-04	5.44E-04	2.64E-04	2.90E-06	0.00E+00	1.67E-04	7.42E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	7.42E-04
545 ALL	645146.8	4250498	NonCancel	1.50E-04	4.96E-04	2.40E-04	2.75E-06	0.00E+00	1.53E-04	6.83E-04	1.50E-04	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	6.83E-04
546 ALL	645246.8	4250498	NonCancel	1.38E-04	4.56E-04	2.21E-04	2.63E-06	0.00E+00	1.41E-04	6.33E-04	1.38E-04	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	6.33E-04
547 ALL	645346.8	4250498	NonCancel	1.28E-04	4.21E-04	2.03E-04	2.52E-06	0.00E+00	1.30E-04	5.89E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	5.89E-04
548 ALL	642446.8	4250598	NonCancel	1.56E-04	5.25E-04	2.55E-04	2.22E-06	0.00E+00	1.59E-04	7.44E-04	1.56E-04	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	7.44E-04
549 ALL	642546.8	4250598	NonCancel	1.75E-04	5.86E-04	2.85E-04	2.41E-06	0.00E+00	1.77E-04	8.31E-04	1.75E-04	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	8.31E-04
550 ALL	642646.8	4250598	NonCancel	1.96E-04	6.60E-04	3.21E-04	2.66E-06	0.00E+00	1.99E-04	9.37E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	7.01E-05	0.00E+00	0.00E+00	9.37E-04
551 ALL	642746.8	4250598	NonCancel	2.23E-04	7.50E-04	3.65E-04	3.02E-06	0.00E+00	2.26E-04	1.07E-03	2.23E-04	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	1.07E-03
552 ALL	642846.8	4250598	NonCancel	2.57E-04	8.62E-04	4.20E-04	3.54E-06	0.00E+00	2.60E-04	1.25E-03	2.57E-04	0.00E+00	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	1.25E-03
553 ALL	642946.8	4250598	NonCancel	3.00E-04	1.00E-03	4.89E-04	4.34E-06	0.00E+00	3.04E-04	1.48E-03	3.00E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.48E-03
554 ALL	643046.8	4250598	NonCancel	3.56E-04	1.19E-03	5.77E-04	5.59E-06	0.00E+00	3.61E-04	1.82E-03	3.56E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	1.82E-03
555 ALL	643146.8	4250598	NonCancel	4.30E-04	1.42E-03	6.89E-04	7.67E-06	0.00E+00	4.37E-04	2.33E-03	4.30E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	2.33E-03
556 ALL	643246.8	4250598	NonCancel	5.28E-04	1.73E-03	8.33E-04	1.13E-05	0.00E+00	5.39E-04	3.22E-03	5.28E-04	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	3.22E-03
557 ALL	643346.8	4250598	NonCancel	6.60E-04	2.12E-03	1.02E-03	1.76E-05	0.00E+00	6.78E-04	5.17E-03	6.60E-04	0.00E+00	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	5.17E-03
558 ALL	643746.8	4250598	NonCancel	2.82E-03	9.47E-03	4.61E-03	3.82E-05	0.00E+00	2.85E-03	1.15E-02	2.82E-03	0.00E+00	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	1.15E-02
559 ALL	643846.8	4250598	NonCancel	1.39E-03	4.62E-03	2.24E-03	2.40E-05	0.00E+00	1.41E-03	6.11E-03	1.39E-03	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	6.11E-03
560 ALL	643946.8	4250598	NonCancel	9.54E-04	3.17E-03	1.54E-03	1.62E-05	0.00E+00	9.70E-04	4.19E-03	9.54E-04	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	4.19E-03
561 ALL	644046.8	4250598	NonCancel	7.20E-04	2.40E-03	1.16E-03	1.17E-05	0.00E+00	7.32E-04	3.14E-03	7.20E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	3.14E-03
562 ALL	644146.8	4250598	NonCancel	5.68E-04	1.90E-03	9.21E-04	8.89E-06	0.00E+00	5.77E-04	2.47E-03	5.68E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	2.47E-03
563 ALL	644246.8	4250598	NonCancel	4.63E-04	1.55E-03	7.52E-04	7.07E-06	0.00E+00	4.70E-04	2.02E-03	4.63E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.02E-03
564 ALL	644346.8	4250598	NonCancel	3.87E-04	1.29E-03	6.29E-04	5.83E-06	0.00E+00	3.93E-04	1.69E-03	3.87E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.69E-03
565 ALL	644446.8	4250598	NonCancel	3.30E-04	1.10E-03	5.36E-04	4.96E-06	0.00E+00	3.35E-04	1.44E-03	3.30E-04	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	1.44E-03
566 ALL	644546.8	4250598	NonCancel	2.85E-04	9.53E-04	4.63E-04	4.32E-06	0.00E+00	2.89E-04	1.25E-03	2.85E-04	0.00E+00	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	1.25E-03
567 ALL	644646.8	4250598	NonCancel	2.50E-04	8.35E-04	4.06E-04	3.85E-06	0.00E+00	2.54E-04	1.10E-03	2.50E-04	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	1.10E-03
568 ALL	644746.8	4250598	NonCancel	2.22E-04	7.39E-04	3.59E-04	3.49E-06	0.00E+00	2.25E-04	9.83E-04	2.22E-04	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	9.83E-04
569 ALL	644846.8	4250598	NonCancel	1.98E-04	6.60E-04	3.20E-04	3.21E-06	0.00E+00	2.01E-04	8.84E-04	1.98E-04	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	8.84E-04
570 ALL	644946.8	4250598	NonCancel	1.78E-04														

571 ALL	645046.8	4250598	NonCancel	1.63E-04	5.40E-04	2.62E-04	2.81E-06	0.00E+00	1.65E-04	7.34E-04	1.63E-04	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	7.34E-04
572 ALL	645146.8	4250598	NonCancel	1.49E-04	4.92E-04	2.38E-04	2.67E-06	0.00E+00	1.51E-04	6.75E-04	1.49E-04	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	6.75E-04
573 ALL	645246.8	4250598	NonCancel	1.36E-04	4.49E-04	2.17E-04	2.55E-06	0.00E+00	1.38E-04	6.22E-04	1.36E-04	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	6.22E-04
574 ALL	645346.8	4250598	NonCancel	1.26E-04	4.15E-04	2.01E-04	2.45E-06	0.00E+00	1.28E-04	5.79E-04	1.26E-04	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	5.79E-04
575 ALL	642446.8	4250698	NonCancel	1.64E-04	5.48E-04	2.66E-04	2.43E-06	0.00E+00	1.66E-04	7.85E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	7.85E-04
576 ALL	642546.8	4250698	NonCancel	1.84E-04	6.16E-04	3.00E-04	2.64E-06	0.00E+00	1.86E-04	8.82E-04	1.84E-04	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	8.82E-04
577 ALL	642646.8	4250698	NonCancel	2.08E-04	6.99E-04	3.40E-04	2.92E-06	0.00E+00	2.11E-04	1.00E-03	2.08E-04	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	1.00E-03
578 ALL	642746.8	4250698	NonCancel	2.39E-04	8.03E-04	3.91E-04	3.33E-06	0.00E+00	2.42E-04	1.16E-03	2.39E-04	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	1.16E-03
579 ALL	642846.8	4250698	NonCancel	2.79E-04	9.35E-04	4.55E-04	3.92E-06	0.00E+00	2.83E-04	1.37E-03	2.79E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.37E-03
580 ALL	642946.8	4250698	NonCancel	3.31E-04	1.11E-03	5.39E-04	4.83E-06	0.00E+00	3.36E-04	1.66E-03	3.31E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	1.66E-03
581 ALL	643046.8	4250698	NonCancel	4.02E-04	1.34E-03	6.51E-04	6.28E-06	0.00E+00	4.08E-04	2.09E-03	4.02E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.09E-03
582 ALL	643146.8	4250698	NonCancel	5.02E-04	1.67E-03	8.07E-04	8.75E-06	0.00E+00	5.11E-04	2.78E-03	5.02E-04	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	2.78E-03
583 ALL	643246.8	4250698	NonCancel	6.48E-04	2.13E-03	1.03E-03	1.32E-05	0.00E+00	6.62E-04	4.09E-03	6.48E-04	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	4.09E-03
584 ALL	643346.8	4250698	NonCancel	8.74E-04	2.83E-03	1.36E-03	2.16E-05	0.00E+00	8.95E-04	7.38E-03	8.74E-04	0.00E+00	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	7.38E-03
585 ALL	643746.8	4250698	NonCancel	2.25E-03	7.49E-03	3.64E-03	3.66E-05	0.00E+00	2.29E-03	9.80E-03	2.25E-03	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	9.80E-03
586 ALL	643846.8	4250698	NonCancel	1.25E-03	4.15E-03	2.01E-03	2.29E-05	0.00E+00	1.28E-03	5.65E-03	1.25E-03	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	5.65E-03
587 ALL	643946.8	4250698	NonCancel	8.90E-04	2.95E-03	1.43E-03	1.55E-05	0.00E+00	9.05E-04	3.95E-03	8.90E-04	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	3.95E-03
588 ALL	644046.8	4250698	NonCancel	6.82E-04	2.27E-03	1.10E-03	1.13E-05	0.00E+00	6.93E-04	2.99E-03	6.82E-04	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	2.99E-03
589 ALL	644146.8	4250698	NonCancel	5.42E-04	1.81E-03	8.79E-04	8.61E-06	0.00E+00	5.51E-04	2.37E-03	5.42E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.37E-03
590 ALL	644246.8	4250698	NonCancel	4.44E-04	1.48E-03	7.21E-04	6.88E-06	0.00E+00	4.51E-04	1.94E-03	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	1.94E-03
591 ALL	644346.8	4250698	NonCancel	3.72E-04	1.24E-03	6.04E-04	5.69E-06	0.00E+00	3.78E-04	1.63E-03	3.72E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	1.63E-03
592 ALL	644446.8	4250698	NonCancel	3.17E-04	1.06E-03	5.16E-04	4.85E-06	0.00E+00	3.22E-04	1.39E-03	3.17E-04	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	1.39E-03
593 ALL	644546.8	4250698	NonCancel	2.75E-04	9.19E-04	4.46E-04	4.23E-06	0.00E+00	2.79E-04	1.21E-03	2.75E-04	0.00E+00	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00	1.21E-03
594 ALL	644646.8	4250698	NonCancel	2.41E-04	8.05E-04	3.91E-04	3.77E-06	0.00E+00	2.45E-04	1.07E-03	2.41E-04	0.00E+00	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00	1.07E-03
595 ALL	644746.8	4250698	NonCancel	2.14E-04	7.14E-04	3.46E-04	3.41E-06	0.00E+00	2.17E-04	9.51E-04	2.14E-04	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	9.51E-04
596 ALL	644846.8	4250698	NonCancel	1.91E-04	6.36E-04	3.08E-04	3.14E-06	0.00E+00	1.94E-04	8.54E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	8.54E-04
597 ALL	644946.8	4250698	NonCancel	1.73E-04	5.75E-04	2.79E-04	2.93E-06	0.00E+00	1.76E-04	7.77E-04	1.73E-04	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	7.77E-04
598 ALL	645046.8	4250698	NonCancel	1.57E-04	5.22E-04	2.53E-04	2.75E-06	0.00E+00	1.60E-04	7.11E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	7.11E-04
599 ALL	645146.8	4250698	NonCancel	1.44E-04	4.77E-04	2.31E-04	2.61E-06	0.00E+00	1.47E-04	6.55E-04	1.44E-04	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	6.55E-04
600 ALL	645246.8	4250698	NonCancel	1.33E-04	4.38E-04	2.12E-04	2.50E-06	0.00E+00	1.35E-04	6.07E-04	1.33E-04	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	6.07E-04
601 ALL	645346.8	4250698	NonCancel	1.23E-04	4.05E-04	1.96E-04	2.40E-06	0.00E+00	1.25E-04	5.65E-04	1.23E-04	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	5.65E-04
602 ALL	642446.8	4250798	NonCancel	1.73E-04	5.77E-04	2.80E-04	2.71E-06	0.00E+00	1.75E-04	8.35E-04	1.73E-04	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	8.35E-04
603 ALL	642546.8	4250798	NonCancel	1.95E-04	6.52E-04	3.17E-04	2.95E-06	0.00E+00	1.98E-04	9.44E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	9.44E-04
604 ALL	642646.8	4250798	NonCancel	2.22E-04	7.45E-04	3.62E-04	3.28E-06	0.00E+00	2.26E-04	1.08E-03	2.22E-04	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	1.08E-03
605 ALL	642746.8	4250798	NonCancel	2.57E-04	8.62E-04	4.19E-04	3.73E-06	0.00E+00	2.61E-04	1.26E-03	2.57E-04	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	1.26E-03
606 ALL	642846.8	4250798	NonCancel	3.03E-04	1.02E-03	4.94E-04	4.41E-06	0.00E+00	3.08E-04	1.51E-03	3.03E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.51E-03
607 ALL	642946.8	4250798	NonCancel	3.66E-04	1.22E-03	5.95E-04	5.43E-06	0.00E+00	3.71E-04	1.85E-03	3.66E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	1.85E-03
608 ALL	643046.8	4250798	NonCancel	4.52E-04	1.51E-03	7.33E-04	7.06E-06	0.00E+00	4.59E-04	2.37E-03	4.52E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	2.37E-03
609 ALL	643146.8	4250798	NonCancel	5.82E-04	1.93E-03	9.37E-04	9.89E-06	0.00E+00	5.92E-04	3.25E-03	5.82E-04	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	3.25E-03
610 ALL	643246.8	4250798	NonCancel	7.95E-04	2.62E-03	1.26E-03	1.57E-05	0.00E+00	8.11E-04	5.05E-03	7.95E-04	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	5.05E-03
611 ALL	643746.8	4250798	NonCancel	4.48E-03	1.50E-02	7.28E-03	6.66E-05	0.00E+00	4.54E-03	1.70E-02	4.48E-03	0.00E+00	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	1.70E-02
612 ALL	643846.8	4250798	NonCancel	1.47E-03	4.82E-03	2.33E-03	2.98E-05	0.00E+00	1.50E-03	6.46E-03	1.47E-03	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	6.46E-03
613 ALL	643946.8	4250798	NonCancel	9.23E-04	3.05E-03	1.47E-03	1.74E-05	0.00E+00	9.40E-04	4.09E-03	9.23E-04	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	4.09E-03
614 ALL	644046.8	4250798	NonCancel	6.84E-04	2.27E-03	1.10E-03	1.19E-05	0.00E+00	6.96E-04	3.01E-03	6.84E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	3.01E-03
615 ALL	644146.8	4250798	NonCancel	5.37E-04	1.79E-03	8.67E-04	8.83E-06	0.00E+00	5.46E-04	2.35E-03	5.37E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	2.35E-03
616 ALL	644246.8	4250798	NonCancel	4.36E-04	1.45E-03	7.06E-04	6.96E-06	0.00E+00	4.43E-04	1.91E-03	4.36E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	1.91E-03
617 ALL	644346.8	4250798	NonCancel	3.64E-04	1.21E-03	5.89E-04	5.72E-06	0.00E+00	3.69E-04	1.59E-03	3.64E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.59E-03
618 ALL	644446.8	4250798	NonCancel	3.09E-04	1.03E-03	5.01E-04	4.85E-06	0.00E+00	3.14E-04	1.36E-03	3.09E-04	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	1.36E-03
619 ALL	644546.8	4250798	NonCancel	2.67E-04	8.92E-04	4.33E-04	4.22E-06	0.00E+00	2.72E-04	1.18E-03	2.67E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	1.18E-03
620 ALL	644646.8	4250798	NonCancel	2.34E-04	7.81E-04	3.79E-04	3.75E-06	0.00E+00	2.38E-04	1.04E-03	2.34E-04	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	1.04E-03
621 ALL	644746.8	4250798	NonCancel	2.08E-04	6.92E-04	3.36E-04	3.40E-06	0.00E+00	2.11E-04	9.25E-04	2.08E-04	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	9.25E-04
622 ALL	644846.8	4250798	NonCancel	1.86E-04														

623	ALL	644946.8	4250798	NonCancel	1.68E-04	5.58E-04	2.70E-04	2.91E-06	0.00E+00	1.71E-04	7.56E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	7.56E-04
624	ALL	645046.8	4250798	NonCancel	1.53E-04	5.06E-04	2.45E-04	2.74E-06	0.00E+00	1.56E-04	6.92E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	6.92E-04
625	ALL	645146.8	4250798	NonCancel	1.40E-04	4.63E-04	2.24E-04	2.60E-06	0.00E+00	1.43E-04	6.38E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	6.38E-04
626	ALL	645246.8	4250798	NonCancel	1.29E-04	4.25E-04	2.06E-04	2.48E-06	0.00E+00	1.31E-04	5.91E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	5.91E-04
627	ALL	645346.8	4250798	NonCancel	1.19E-04	3.93E-04	1.90E-04	2.39E-06	0.00E+00	1.22E-04	5.51E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	5.51E-04
628	ALL	642446.8	4250898	NonCancel	1.83E-04	6.10E-04	2.96E-04	3.10E-06	0.00E+00	1.86E-04	8.94E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	8.94E-04
629	ALL	642546.8	4250898	NonCancel	2.07E-04	6.91E-04	3.35E-04	3.39E-06	0.00E+00	2.11E-04	1.01E-03	2.07E-04	0.00E+00	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	1.01E-03
630	ALL	642646.8	4250898	NonCancel	2.38E-04	7.93E-04	3.85E-04	3.77E-06	0.00E+00	2.41E-04	1.17E-03	2.38E-04	0.00E+00	0.00E+00	0.00E+00	9.22E-05	0.00E+00	0.00E+00	1.17E-03
631	ALL	642746.8	4250898	NonCancel	2.77E-04	9.24E-04	4.49E-04	4.31E-06	0.00E+00	2.81E-04	1.37E-03	2.77E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	1.37E-03
632	ALL	642846.8	4250898	NonCancel	3.28E-04	1.10E-03	5.33E-04	5.07E-06	0.00E+00	3.33E-04	1.65E-03	3.28E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	1.65E-03
633	ALL	642946.8	4250898	NonCancel	3.98E-04	1.33E-03	6.46E-04	6.22E-06	0.00E+00	4.04E-04	2.04E-03	3.98E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	2.04E-03
634	ALL	643046.8	4250898	NonCancel	5.03E-04	1.68E-03	8.14E-04	8.21E-06	0.00E+00	5.12E-04	2.69E-03	5.03E-04	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	2.69E-03
635	ALL	643146.8	4250898	NonCancel	6.79E-04	2.25E-03	1.09E-03	1.23E-05	0.00E+00	6.92E-04	3.89E-03	6.79E-04	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	3.89E-03
636	ALL	643246.8	4250898	NonCancel	1.02E-03	3.31E-03	1.59E-03	2.27E-05	0.00E+00	1.04E-03	6.37E-03	1.02E-03	0.00E+00	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	6.37E-03
637	ALL	643346.8	4250898	NonCancel	1.68E-03	5.41E-03	2.59E-03	4.48E-05	0.00E+00	1.73E-03	1.20E-02	1.68E-03	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	1.20E-02
638	ALL	643446.8	4250898	NonCancel	2.69E-03	8.89E-03	4.30E-03	4.97E-05	0.00E+00	2.74E-03	2.10E-02	2.69E-03	0.00E+00	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	2.10E-02
639	ALL	643546.8	4250898	NonCancel	6.04E-03	2.03E-02	9.86E-03	8.66E-05	0.00E+00	6.13E-03	3.10E-02	6.04E-03	0.00E+00	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	3.10E-02
640	ALL	643646.8	4250898	NonCancel	8.10E-03	2.68E-02	1.30E-02	1.51E-04	0.00E+00	8.25E-03	3.37E-02	8.10E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.37E-02
641	ALL	643746.8	4250898	NonCancel	5.30E-03	1.74E-02	8.42E-03	1.05E-04	0.00E+00	5.40E-03	2.10E-02	5.30E-03	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.10E-02
642	ALL	643846.8	4250898	NonCancel	2.18E-03	7.10E-03	3.42E-03	4.93E-05	0.00E+00	2.23E-03	9.21E-03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	9.21E-03
643	ALL	643946.8	4250898	NonCancel	1.12E-03	3.64E-03	1.75E-03	2.47E-05	0.00E+00	1.14E-03	4.90E-03	1.12E-03	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	4.90E-03
644	ALL	644046.8	4250898	NonCancel	7.31E-04	2.40E-03	1.16E-03	1.48E-05	0.00E+00	7.46E-04	3.25E-03	7.31E-04	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	3.25E-03
645	ALL	644146.8	4250898	NonCancel	5.52E-04	1.83E-03	8.84E-04	1.01E-05	0.00E+00	5.62E-04	2.44E-03	5.52E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	2.44E-03
646	ALL	644246.8	4250898	NonCancel	4.44E-04	1.48E-03	7.15E-04	7.58E-06	0.00E+00	4.51E-04	1.95E-03	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	1.95E-03
647	ALL	644346.8	4250898	NonCancel	3.68E-04	1.23E-03	5.95E-04	6.05E-06	0.00E+00	3.74E-04	1.62E-03	3.68E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	1.62E-03
648	ALL	644446.8	4250898	NonCancel	3.12E-04	1.04E-03	5.05E-04	5.04E-06	0.00E+00	3.17E-04	1.37E-03	3.12E-04	0.00E+00	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	1.37E-03
649	ALL	644546.8	4250898	NonCancel	2.69E-04	8.96E-04	4.35E-04	4.34E-06	0.00E+00	2.73E-04	1.19E-03	2.69E-04	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	1.19E-03
650	ALL	644646.8	4250898	NonCancel	2.35E-04	7.82E-04	3.79E-04	3.83E-06	0.00E+00	2.39E-04	1.04E-03	2.35E-04	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	1.04E-03
651	ALL	644746.8	4250898	NonCancel	2.07E-04	6.90E-04	3.35E-04	3.45E-06	0.00E+00	2.11E-04	9.25E-04	2.07E-04	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	9.25E-04
652	ALL	644846.8	4250898	NonCancel	1.85E-04	6.15E-04	2.98E-04	3.16E-06	0.00E+00	1.88E-04	8.31E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	8.31E-04
653	ALL	644946.8	4250898	NonCancel	1.67E-04	5.53E-04	2.68E-04	2.94E-06	0.00E+00	1.70E-04	7.53E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	7.53E-04
654	ALL	645046.8	4250898	NonCancel	1.52E-04	5.02E-04	2.43E-04	2.76E-06	0.00E+00	1.54E-04	6.88E-04	1.52E-04	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	6.88E-04
655	ALL	645146.8	4250898	NonCancel	1.39E-04	4.58E-04	2.21E-04	2.61E-06	0.00E+00	1.41E-04	6.33E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	6.33E-04
656	ALL	645246.8	4250898	NonCancel	1.27E-04	4.20E-04	2.03E-04	2.49E-06	0.00E+00	1.30E-04	5.86E-04	1.27E-04	0.00E+00	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00	5.86E-04
657	ALL	645346.8	4250898	NonCancel	1.18E-04	3.87E-04	1.87E-04	2.39E-06	0.00E+00	1.20E-04	5.44E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	5.44E-04
658	ALL	642446.8	4250998	NonCancel	1.94E-04	6.41E-04	3.10E-04	3.62E-06	0.00E+00	1.98E-04	9.56E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	9.56E-04
659	ALL	642546.8	4250998	NonCancel	2.20E-04	7.28E-04	3.53E-04	3.95E-06	0.00E+00	2.24E-04	1.09E-03	2.20E-04	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	1.09E-03
660	ALL	642646.8	4250998	NonCancel	2.53E-04	8.39E-04	4.06E-04	4.39E-06	0.00E+00	2.57E-04	1.25E-03	2.53E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	1.25E-03
661	ALL	642746.8	4250998	NonCancel	2.96E-04	9.83E-04	4.77E-04	4.99E-06	0.00E+00	3.01E-04	1.48E-03	2.96E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.48E-03
662	ALL	642846.8	4250998	NonCancel	3.53E-04	1.18E-03	5.70E-04	5.86E-06	0.00E+00	3.59E-04	1.80E-03	3.53E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	1.80E-03
663	ALL	642946.8	4250998	NonCancel	4.38E-04	1.46E-03	7.06E-04	7.34E-06	0.00E+00	4.45E-04	2.29E-03	4.38E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	2.29E-03
664	ALL	643046.8	4250998	NonCancel	5.74E-04	1.90E-03	9.21E-04	1.03E-05	0.00E+00	5.84E-04	3.11E-03	5.74E-04	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	3.11E-03
665	ALL	643146.8	4250998	NonCancel	8.07E-04	2.65E-03	1.28E-03	1.66E-05	0.00E+00	8.23E-04	4.52E-03	8.07E-04	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	4.52E-03
666	ALL	643246.8	4250998	NonCancel	1.19E-03	3.87E-03	1.86E-03	2.85E-05	0.00E+00	1.22E-03	6.98E-03	1.19E-03	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	6.98E-03
667	ALL	643346.8	4250998	NonCancel	1.70E-03	5.56E-03	2.68E-03	3.81E-05	0.00E+00	1.74E-03	1.12E-02	1.70E-03	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	1.12E-02
668	ALL	643446.8	4250998	NonCancel	2.73E-03	9.21E-03	4.49E-03	3.55E-05	0.00E+00	2.77E-03	1.55E-02	2.73E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	1.55E-02
669	ALL	643546.8	4250998	NonCancel	4.17E-03	1.40E-02	6.81E-03	5.87E-05	0.00E+00	4.23E-03	2.00E-02	4.17E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.00E-02
670	ALL	643646.8	4250998	NonCancel	4.81E-03	1.58E-02	7.60E-03	1.02E-04	0.00E+00	4.91E-03	2.16E-02	4.81E-03	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.16E-02
671	ALL	643746.8	4250998	NonCancel	4.05E-03	1.31E-02	6.27E-03	1.02E-04	0.00E+00	4.15E-03	1.76E-02	4.05E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	1.76E-02
672	ALL	643846.8	4250998	NonCancel	2.52E-03	8.11E-03	3.88E-03	6.69E-05	0.00E+00	2.59E-03	1.10E-02	2.52E-03	0.00E+00	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	1.10E-02
673	ALL	643946.8	4250998	NonCancel															

675 ALL	644146.8	4250998	NonCancel	5.98E-04	1.96E-03	9.43E-04	1.30E-05	0.00E+00	6.11E-04	2.67E-03	5.98E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	2.67E-03
676 ALL	644246.8	4250998	NonCancel	4.58E-04	1.51E-03	7.28E-04	9.07E-06	0.00E+00	4.67E-04	2.05E-03	4.58E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.05E-03
677 ALL	644346.8	4250998	NonCancel	3.73E-04	1.23E-03	5.98E-04	6.89E-06	0.00E+00	3.80E-04	1.67E-03	3.73E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.67E-03
678 ALL	644446.8	4250998	NonCancel	3.16E-04	1.05E-03	5.07E-04	5.55E-06	0.00E+00	3.21E-04	1.41E-03	3.16E-04	0.00E+00	0.00E+00	0.00E+00	9.86E-05	0.00E+00	0.00E+00	1.41E-03
679 ALL	644546.8	4250998	NonCancel	2.72E-04	9.04E-04	4.38E-04	4.67E-06	0.00E+00	2.77E-04	1.21E-03	2.72E-04	0.00E+00	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	1.21E-03
680 ALL	644646.8	4250998	NonCancel	2.38E-04	7.90E-04	3.83E-04	4.06E-06	0.00E+00	2.42E-04	1.06E-03	2.38E-04	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	1.06E-03
681 ALL	644746.8	4250998	NonCancel	2.10E-04	6.98E-04	3.38E-04	3.62E-06	0.00E+00	2.14E-04	9.41E-04	2.10E-04	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	9.41E-04
682 ALL	644846.8	4250998	NonCancel	1.87E-04	6.22E-04	3.01E-04	3.29E-06	0.00E+00	1.91E-04	8.43E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	8.43E-04
683 ALL	644946.8	4250998	NonCancel	1.69E-04	5.59E-04	2.70E-04	3.03E-06	0.00E+00	1.72E-04	7.63E-04	1.69E-04	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	7.63E-04
684 ALL	645046.8	4250998	NonCancel	1.53E-04	5.05E-04	2.45E-04	2.83E-06	0.00E+00	1.56E-04	6.95E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	6.95E-04
685 ALL	645146.8	4250998	NonCancel	1.40E-04	4.60E-04	2.23E-04	2.67E-06	0.00E+00	1.42E-04	6.38E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	6.38E-04
686 ALL	645246.8	4250998	NonCancel	1.28E-04	4.21E-04	2.03E-04	2.54E-06	0.00E+00	1.30E-04	5.89E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	5.89E-04
687 ALL	645346.8	4250998	NonCancel	1.18E-04	3.86E-04	1.86E-04	2.43E-06	0.00E+00	1.20E-04	5.45E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	5.45E-04
688 ALL	642446.8	4251098	NonCancel	2.04E-04	6.71E-04	3.24E-04	4.17E-06	0.00E+00	2.08E-04	1.02E-03	2.04E-04	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	1.02E-03
689 ALL	642546.8	4251098	NonCancel	2.32E-04	7.64E-04	3.69E-04	4.52E-06	0.00E+00	2.36E-04	1.16E-03	2.32E-04	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	1.16E-03
690 ALL	642646.8	4251098	NonCancel	2.68E-04	8.87E-04	4.29E-04	5.01E-06	0.00E+00	2.73E-04	1.35E-03	2.68E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.35E-03
691 ALL	642746.8	4251098	NonCancel	3.18E-04	1.05E-03	5.10E-04	5.73E-06	0.00E+00	3.24E-04	1.62E-03	3.18E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	1.62E-03
692 ALL	642846.8	4251098	NonCancel	3.86E-04	1.28E-03	6.20E-04	6.87E-06	0.00E+00	3.93E-04	1.99E-03	3.86E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	1.99E-03
693 ALL	642946.8	4251098	NonCancel	4.90E-04	1.62E-03	7.84E-04	9.05E-06	0.00E+00	4.99E-04	2.57E-03	4.90E-04	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	2.57E-03
694 ALL	643046.8	4251098	NonCancel	6.46E-04	2.12E-03	1.02E-03	1.32E-05	0.00E+00	6.59E-04	3.44E-03	6.46E-04	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	3.44E-03
695 ALL	643146.8	4251098	NonCancel	8.69E-04	2.83E-03	1.36E-03	2.00E-05	0.00E+00	8.89E-04	4.74E-03	8.69E-04	0.00E+00	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	4.74E-03
696 ALL	643246.8	4251098	NonCancel	1.19E-03	3.87E-03	1.86E-03	2.81E-05	0.00E+00	1.22E-03	6.97E-03	1.19E-03	0.00E+00	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	6.97E-03
697 ALL	643346.8	4251098	NonCancel	1.64E-03	5.43E-03	2.63E-03	2.86E-05	0.00E+00	1.67E-03	9.50E-03	1.64E-03	0.00E+00	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	9.50E-03
698 ALL	643446.8	4251098	NonCancel	2.45E-03	8.32E-03	4.06E-03	2.76E-05	0.00E+00	2.48E-03	1.22E-02	2.45E-03	0.00E+00	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	1.22E-02
699 ALL	643546.8	4251098	NonCancel	3.00E-03	1.01E-02	4.89E-03	4.39E-05	0.00E+00	3.04E-03	1.41E-02	3.00E-03	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.41E-02
700 ALL	643646.8	4251098	NonCancel	3.28E-03	1.07E-02	5.17E-03	7.21E-05	0.00E+00	3.36E-03	1.51E-02	3.28E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	1.51E-02
701 ALL	643746.8	4251098	NonCancel	3.01E-03	9.65E-03	4.61E-03	8.35E-05	0.00E+00	3.10E-03	1.38E-02	3.01E-03	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	1.38E-02
702 ALL	643846.8	4251098	NonCancel	2.34E-03	7.43E-03	3.54E-03	7.05E-05	0.00E+00	2.41E-03	1.06E-02	2.34E-03	0.00E+00	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	1.06E-02
703 ALL	643946.8	4251098	NonCancel	1.54E-03	4.89E-03	2.33E-03	4.70E-05	0.00E+00	1.59E-03	7.03E-03	1.54E-03	0.00E+00	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	7.03E-03
704 ALL	644046.8	4251098	NonCancel	9.81E-04	3.13E-03	1.49E-03	2.84E-05	0.00E+00	1.01E-03	4.50E-03	9.81E-04	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	4.50E-03
705 ALL	644146.8	4251098	NonCancel	6.75E-04	2.18E-03	1.04E-03	1.75E-05	0.00E+00	6.92E-04	3.07E-03	6.75E-04	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	3.07E-03
706 ALL	644246.8	4251098	NonCancel	4.99E-04	1.62E-03	7.81E-04	1.16E-05	0.00E+00	5.11E-04	2.26E-03	4.99E-04	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	2.26E-03
707 ALL	644346.8	4251098	NonCancel	3.90E-04	1.28E-03	6.16E-04	8.37E-06	0.00E+00	3.99E-04	1.76E-03	3.90E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	1.76E-03
708 ALL	644446.8	4251098	NonCancel	3.21E-04	1.06E-03	5.10E-04	6.45E-06	0.00E+00	3.27E-04	1.45E-03	3.21E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.45E-03
709 ALL	644546.8	4251098	NonCancel	2.74E-04	9.03E-04	4.36E-04	5.25E-06	0.00E+00	2.79E-04	1.24E-03	2.74E-04	0.00E+00	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00	1.24E-03
710 ALL	644646.8	4251098	NonCancel	2.39E-04	7.90E-04	3.82E-04	4.46E-06	0.00E+00	2.44E-04	1.08E-03	2.39E-04	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	1.08E-03
711 ALL	644746.8	4251098	NonCancel	2.12E-04	7.01E-04	3.39E-04	3.91E-06	0.00E+00	2.16E-04	9.58E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	9.58E-04
712 ALL	644846.8	4251098	NonCancel	1.90E-04	6.27E-04	3.03E-04	3.51E-06	0.00E+00	1.93E-04	8.59E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	8.59E-04
713 ALL	644946.8	4251098	NonCancel	1.71E-04	5.64E-04	2.73E-04	3.21E-06	0.00E+00	1.74E-04	7.77E-04	1.71E-04	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	7.77E-04
714 ALL	645046.8	4251098	NonCancel	1.55E-04	5.10E-04	2.47E-04	2.97E-06	0.00E+00	1.58E-04	7.07E-04	1.55E-04	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	7.07E-04
715 ALL	645146.8	4251098	NonCancel	1.41E-04	4.65E-04	2.24E-04	2.78E-06	0.00E+00	1.44E-04	6.48E-04	1.41E-04	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	6.48E-04
716 ALL	645246.8	4251098	NonCancel	1.29E-04	4.24E-04	2.05E-04	2.63E-06	0.00E+00	1.32E-04	5.96E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	5.96E-04
717 ALL	645346.8	4251098	NonCancel	1.19E-04	3.89E-04	1.87E-04	2.50E-06	0.00E+00	1.21E-04	5.51E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	5.51E-04
718 ALL	642446.8	4251198	NonCancel	2.16E-04	7.05E-04	3.40E-04	4.70E-06	0.00E+00	2.20E-04	1.09E-03	2.16E-04	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	1.09E-03
719 ALL	642546.8	4251198	NonCancel	2.47E-04	8.11E-04	3.91E-04	5.11E-06	0.00E+00	2.52E-04	1.25E-03	2.47E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	1.25E-03
720 ALL	642646.8	4251198	NonCancel	2.88E-04	9.47E-04	4.58E-04	5.67E-06	0.00E+00	2.93E-04	1.46E-03	2.88E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.46E-03
721 ALL	642746.8	4251198	NonCancel	3.44E-04	1.14E-03	5.49E-04	6.63E-06	0.00E+00	3.51E-04	1.76E-03	3.44E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	1.76E-03
722 ALL	642846.8	4251198	NonCancel	4.19E-04	1.38E-03	6.67E-04	8.22E-06	0.00E+00	4.27E-04	2.16E-03	4.19E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.16E-03
723 ALL	642946.8	4251198	NonCancel	5.27E-04	1.73E-03	8.33E-04	1.11E-05	0.00E+00	5.38E-04	2.74E-03	5.27E-04	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	2.74E-03
724 ALL	643046.8	4251198	NonCancel	6.82E-04	2.22E-03	1.07E-03	1.57E-05	0.00E+00	6.98E-04	3.60E-03	6.82E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	3.60E-03
725 ALL	643146.8	4251198	NonCancel	8.74E-04	2.83E-03	1.36E-03	2.12E-05	0.00E+00	8.95E-04	4.80E-03	8.74E-04	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	4.80E-03
726 ALL	643246.8	4251198	NonCancel	1.14E-03														

727 ALL	643346.8	4251198 NonCancel	1.59E-03	5.33E-03	2.60E-03	2.22E-05	0.00E+00	1.61E-03	8.19E-03	1.59E-03	0.00E+00	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	8.19E-03
728 ALL	643446.8	4251198 NonCancel	2.02E-03	6.85E-03	3.34E-03	2.33E-05	0.00E+00	2.05E-03	9.60E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	9.60E-03
729 ALL	643546.8	4251198 NonCancel	2.28E-03	7.62E-03	3.70E-03	3.59E-05	0.00E+00	2.32E-03	1.06E-02	2.28E-03	0.00E+00	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	1.06E-02
730 ALL	643646.8	4251198 NonCancel	2.44E-03	7.94E-03	3.82E-03	5.54E-05	0.00E+00	2.49E-03	1.13E-02	2.44E-03	0.00E+00	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	1.13E-02
731 ALL	643746.8	4251198 NonCancel	2.32E-03	7.41E-03	3.54E-03	6.68E-05	0.00E+00	2.39E-03	1.09E-02	2.32E-03	0.00E+00	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.09E-02
732 ALL	643846.8	4251198 NonCancel	1.99E-03	6.27E-03	2.97E-03	6.46E-05	0.00E+00	2.05E-03	9.36E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	9.36E-03
733 ALL	643946.8	4251198 NonCancel	1.53E-03	4.80E-03	2.27E-03	5.14E-05	0.00E+00	1.58E-03	7.17E-03	1.53E-03	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	7.17E-03
734 ALL	644046.8	4251198 NonCancel	1.07E-03	3.36E-03	1.60E-03	3.54E-05	0.00E+00	1.11E-03	5.03E-03	1.07E-03	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	5.03E-03
735 ALL	644146.8	4251198 NonCancel	7.45E-04	2.36E-03	1.12E-03	2.30E-05	0.00E+00	7.68E-04	3.50E-03	7.45E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	3.50E-03
736 ALL	644246.8	4251198 NonCancel	5.47E-04	1.75E-03	8.38E-04	1.52E-05	0.00E+00	5.63E-04	2.54E-03	5.47E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	2.54E-03
737 ALL	644346.8	4251198 NonCancel	4.23E-04	1.37E-03	6.56E-04	1.06E-05	0.00E+00	4.34E-04	1.94E-03	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	1.94E-03
738 ALL	644446.8	4251198 NonCancel	3.39E-04	1.10E-03	5.31E-04	7.83E-06	0.00E+00	3.47E-04	1.55E-03	3.39E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.55E-03
739 ALL	644546.8	4251198 NonCancel	2.82E-04	9.21E-04	4.44E-04	6.15E-06	0.00E+00	2.88E-04	1.29E-03	2.82E-04	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	1.29E-03
740 ALL	644646.8	4251198 NonCancel	2.41E-04	7.92E-04	3.82E-04	5.07E-06	0.00E+00	2.46E-04	1.10E-03	2.41E-04	0.00E+00	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	1.10E-03
741 ALL	644746.8	4251198 NonCancel	2.12E-04	6.97E-04	3.36E-04	4.34E-06	0.00E+00	2.17E-04	9.72E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	9.72E-04
742 ALL	644846.8	4251198 NonCancel	1.90E-04	6.24E-04	3.01E-04	3.84E-06	0.00E+00	1.94E-04	8.70E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00	8.70E-04
743 ALL	644946.8	4251198 NonCancel	1.72E-04	5.64E-04	2.72E-04	3.47E-06	0.00E+00	1.75E-04	7.88E-04	1.72E-04	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	7.88E-04
744 ALL	645046.8	4251198 NonCancel	1.56E-04	5.11E-04	2.47E-04	3.18E-06	0.00E+00	1.59E-04	7.17E-04	1.56E-04	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	7.17E-04
745 ALL	645146.8	4251198 NonCancel	1.42E-04	4.67E-04	2.25E-04	2.95E-06	0.00E+00	1.45E-04	6.58E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	6.58E-04
746 ALL	645246.8	4251198 NonCancel	1.30E-04	4.27E-04	2.06E-04	2.77E-06	0.00E+00	1.33E-04	6.05E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	6.05E-04
747 ALL	645346.8	4251198 NonCancel	1.20E-04	3.92E-04	1.89E-04	2.62E-06	0.00E+00	1.23E-04	5.60E-04	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	5.60E-04
748 ALL	642446.8	4251298 NonCancel	2.30E-04	7.49E-04	3.60E-04	5.25E-06	0.00E+00	2.35E-04	1.17E-03	2.30E-04	0.00E+00	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00	1.17E-03
749 ALL	642546.8	4251298 NonCancel	2.65E-04	8.67E-04	4.18E-04	5.76E-06	0.00E+00	2.71E-04	1.35E-03	2.65E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	1.35E-03
750 ALL	642646.8	4251298 NonCancel	3.05E-04	1.00E-03	4.82E-04	6.41E-06	0.00E+00	3.12E-04	1.56E-03	3.05E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	1.56E-03
751 ALL	642746.8	4251298 NonCancel	3.65E-04	1.20E-03	5.77E-04	7.74E-06	0.00E+00	3.73E-04	1.87E-03	3.65E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	1.87E-03
752 ALL	642846.8	4251298 NonCancel	4.46E-04	1.45E-03	7.00E-04	9.93E-06	0.00E+00	4.55E-04	2.29E-03	4.46E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	2.29E-03
753 ALL	642946.8	4251298 NonCancel	5.48E-04	1.78E-03	8.55E-04	1.31E-05	0.00E+00	5.62E-04	2.85E-03	5.48E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	2.85E-03
754 ALL	643046.8	4251298 NonCancel	6.84E-04	2.21E-03	1.06E-03	1.72E-05	0.00E+00	7.01E-04	3.63E-03	6.84E-04	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	3.63E-03
755 ALL	643146.8	4251298 NonCancel	8.56E-04	2.78E-03	1.33E-03	2.06E-05	0.00E+00	8.76E-04	4.76E-03	8.56E-04	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	4.76E-03
756 ALL	643246.8	4251298 NonCancel	1.11E-03	3.69E-03	1.78E-03	2.04E-05	0.00E+00	1.13E-03	5.97E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	5.97E-03
757 ALL	643346.8	4251298 NonCancel	1.45E-03	4.89E-03	2.39E-03	1.85E-05	0.00E+00	1.47E-03	7.03E-03	1.45E-03	0.00E+00	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	7.03E-03
758 ALL	643446.8	4251298 NonCancel	1.66E-03	5.59E-03	2.72E-03	2.09E-05	0.00E+00	1.68E-03	7.77E-03	1.66E-03	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	7.77E-03
759 ALL	643546.8	4251298 NonCancel	1.81E-03	6.03E-03	2.92E-03	3.12E-05	0.00E+00	1.85E-03	8.47E-03	1.81E-03	0.00E+00	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	8.47E-03
760 ALL	643646.8	4251298 NonCancel	1.91E-03	6.21E-03	2.98E-03	4.54E-05	0.00E+00	1.96E-03	8.99E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	8.99E-03
761 ALL	643746.8	4251298 NonCancel	1.86E-03	5.91E-03	2.82E-03	5.50E-05	0.00E+00	1.91E-03	8.86E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	8.86E-03
762 ALL	643846.8	4251298 NonCancel	1.67E-03	5.23E-03	2.48E-03	5.65E-05	0.00E+00	1.73E-03	8.05E-03	1.67E-03	0.00E+00	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	8.05E-03
763 ALL	643946.8	4251298 NonCancel	1.41E-03	4.38E-03	2.07E-03	5.04E-05	0.00E+00	1.46E-03	6.77E-03	1.41E-03	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	6.77E-03
764 ALL	644046.8	4251298 NonCancel	1.09E-03	3.39E-03	1.60E-03	3.94E-05	0.00E+00	1.13E-03	5.24E-03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	5.24E-03
765 ALL	644146.8	4251298 NonCancel	8.01E-04	2.50E-03	1.18E-03	2.81E-05	0.00E+00	8.29E-04	3.85E-03	8.01E-04	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	3.85E-03
766 ALL	644246.8	4251298 NonCancel	5.92E-04	1.87E-03	8.85E-04	1.93E-05	0.00E+00	6.12E-04	2.83E-03	5.92E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	2.83E-03
767 ALL	644346.8	4251298 NonCancel	4.55E-04	1.45E-03	6.91E-04	1.34E-05	0.00E+00	4.69E-04	2.15E-03	4.55E-04	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.15E-03
768 ALL	644446.8	4251298 NonCancel	3.64E-04	1.17E-03	5.59E-04	9.71E-06	0.00E+00	3.73E-04	1.69E-03	3.64E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	1.69E-03
769 ALL	644546.8	4251298 NonCancel	2.98E-04	9.66E-04	4.64E-04	7.39E-06	0.00E+00	3.06E-04	1.38E-03	2.98E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	1.38E-03
770 ALL	644646.8	4251298 NonCancel	2.51E-04	8.16E-04	3.92E-04	5.91E-06	0.00E+00	2.57E-04	1.16E-03	2.51E-04	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	1.16E-03
771 ALL	644746.8	4251298 NonCancel	2.17E-04	7.06E-04	3.40E-04	4.93E-06	0.00E+00	2.21E-04	1.00E-03	2.17E-04	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	1.00E-03
772 ALL	644846.8	4251298 NonCancel	1.91E-04	6.23E-04	3.00E-04	4.27E-06	0.00E+00	1.95E-04	8.86E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	8.86E-04
773 ALL	644946.8	4251298 NonCancel	1.72E-04	5.60E-04	2.70E-04	3.79E-06	0.00E+00	1.75E-04	7.97E-04	1.72E-04	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	7.97E-04
774 ALL	645046.8	4251298 NonCancel	1.56E-04	5.09E-04	2.45E-04	3.44E-06	0.00E+00	1.59E-04	7.26E-04	1.56E-04	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	7.26E-04
775 ALL	645146.8	4251298 NonCancel	1.42E-04	4.65E-04	2.24E-04	3.17E-06	0.00E+00	1.46E-04	6.65E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	6.65E-04
776 ALL	645246.8	4251298 NonCancel	1.31E-04	4.27E-04	2.05E-04	2.95E-06	0.00E+00	1.34E-04	6.13E-04	1.31E-04	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	6.13E-04
777 ALL	645346.8	4251298 NonCancel	1.21E-04	3.93E-04	1.89E-04	2.78E-06	0.00E+00	1.24E-04	5.68E-04	1.21E-04	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	5.68E-04
778 ALL	642446.8	4251398 NonCancel	2.45E-04	7.94E-04	3.82E-04	5.86E-06	0.00E+00	2.51E-04	1.25E-03	2.45E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.25E-03

779 ALL	642546.8	4251398 NonCancel	2.79E-04	9.09E-04	4.37E-04	6.45E-06	0.00E+00	2.86E-04	1.42E-03	2.79E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.42E-03
780 ALL	642646.8	4251398 NonCancel	3.25E-04	1.06E-03	5.08E-04	7.51E-06	0.00E+00	3.32E-04	1.66E-03	3.25E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	1.66E-03
781 ALL	642746.8	4251398 NonCancel	3.85E-04	1.25E-03	6.01E-04	9.23E-06	0.00E+00	3.94E-04	1.97E-03	3.85E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	1.97E-03
782 ALL	642846.8	4251398 NonCancel	4.67E-04	1.51E-03	7.23E-04	1.18E-05	0.00E+00	4.79E-04	2.41E-03	4.67E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	2.41E-03
783 ALL	642946.8	4251398 NonCancel	5.60E-04	1.80E-03	8.62E-04	1.48E-05	0.00E+00	5.74E-04	2.92E-03	5.60E-04	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	2.92E-03
784 ALL	643046.8	4251398 NonCancel	6.69E-04	2.16E-03	1.03E-03	1.75E-05	0.00E+00	6.87E-04	3.62E-03	6.69E-04	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	3.62E-03
785 ALL	643146.8	4251398 NonCancel	8.36E-04	2.73E-03	1.31E-03	1.87E-05	0.00E+00	8.55E-04	4.55E-03	8.36E-04	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	4.55E-03
786 ALL	643246.8	4251398 NonCancel	1.08E-03	3.58E-03	1.74E-03	1.75E-05	0.00E+00	1.09E-03	5.41E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	5.41E-03
787 ALL	643346.8	4251398 NonCancel	1.27E-03	4.29E-03	2.09E-03	1.65E-05	0.00E+00	1.29E-03	6.01E-03	1.27E-03	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	6.01E-03
788 ALL	643446.8	4251398 NonCancel	1.38E-03	4.64E-03	2.26E-03	1.96E-05	0.00E+00	1.40E-03	6.47E-03	1.38E-03	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	6.47E-03
789 ALL	643546.8	4251398 NonCancel	1.49E-03	4.92E-03	2.38E-03	2.82E-05	0.00E+00	1.52E-03	7.01E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	7.01E-03
790 ALL	643646.8	4251398 NonCancel	1.56E-03	5.04E-03	2.42E-03	3.14E-05	0.00E+00	1.60E-03	7.41E-03	1.56E-03	0.00E+00	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	7.41E-03
791 ALL	643746.8	4251398 NonCancel	1.53E-03	4.86E-03	2.31E-03	4.68E-05	0.00E+00	1.58E-03	7.39E-03	1.53E-03	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	7.39E-03
792 ALL	643846.8	4251398 NonCancel	1.42E-03	4.42E-03	2.09E-03	4.92E-05	0.00E+00	1.46E-03	6.93E-03	1.42E-03	0.00E+00	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	6.93E-03
793 ALL	643946.8	4251398 NonCancel	1.25E-03	3.88E-03	1.83E-03	4.68E-05	0.00E+00	1.30E-03	6.16E-03	1.25E-03	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	6.16E-03
794 ALL	644046.8	4251398 NonCancel	1.05E-03	3.24E-03	1.52E-03	4.02E-05	0.00E+00	1.09E-03	5.14E-03	1.05E-03	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	5.14E-03
795 ALL	644146.8	4251398 NonCancel	8.25E-04	2.55E-03	1.20E-03	3.14E-05	0.00E+00	8.56E-04	4.04E-03	8.25E-04	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	4.04E-03
796 ALL	644246.8	4251398 NonCancel	6.31E-04	1.96E-03	9.24E-04	2.31E-05	0.00E+00	6.54E-04	3.09E-03	6.31E-04	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	3.09E-03
797 ALL	644346.8	4251398 NonCancel	4.87E-04	1.53E-03	7.22E-04	1.66E-05	0.00E+00	5.03E-04	2.36E-03	4.87E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	2.36E-03
798 ALL	644446.8	4251398 NonCancel	3.87E-04	1.22E-03	5.82E-04	1.20E-05	0.00E+00	3.99E-04	1.85E-03	3.87E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	1.85E-03
799 ALL	644546.8	4251398 NonCancel	3.17E-04	1.01E-03	4.83E-04	9.00E-06	0.00E+00	3.26E-04	1.50E-03	3.17E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.50E-03
800 ALL	644646.8	4251398 NonCancel	2.65E-04	8.54E-04	4.09E-04	7.02E-06	0.00E+00	2.72E-04	1.24E-03	2.65E-04	0.00E+00	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	1.24E-03
801 ALL	644746.8	4251398 NonCancel	2.26E-04	7.31E-04	3.51E-04	5.72E-06	0.00E+00	2.32E-04	1.06E-03	2.26E-04	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	1.06E-03
802 ALL	644846.8	4251398 NonCancel	1.97E-04	6.37E-04	3.06E-04	4.83E-06	0.00E+00	2.02E-04	9.20E-04	1.97E-04	0.00E+00	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	9.20E-04
803 ALL	644946.8	4251398 NonCancel	1.74E-04	5.65E-04	2.71E-04	4.21E-06	0.00E+00	1.78E-04	8.16E-04	1.74E-04	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	8.16E-04
804 ALL	645046.8	4251398 NonCancel	1.56E-04	5.08E-04	2.44E-04	3.76E-06	0.00E+00	1.60E-04	7.36E-04	1.56E-04	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	7.36E-04
805 ALL	645146.8	4251398 NonCancel	1.42E-04	4.62E-04	2.22E-04	3.42E-06	0.00E+00	1.46E-04	6.72E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	6.72E-04
806 ALL	645246.8	4251398 NonCancel	1.31E-04	4.23E-04	2.03E-04	3.16E-06	0.00E+00	1.34E-04	6.18E-04	1.31E-04	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	6.18E-04
807 ALL	645346.8	4251398 NonCancel	1.21E-04	3.91E-04	1.88E-04	2.96E-06	0.00E+00	1.24E-04	5.73E-04	1.21E-04	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	5.73E-04
808 ALL	642446.8	4251498 NonCancel	2.54E-04	8.21E-04	3.94E-04	6.45E-06	0.00E+00	2.61E-04	1.30E-03	2.54E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.30E-03
809 ALL	642546.8	4251498 NonCancel	2.92E-04	9.44E-04	4.52E-04	7.39E-06	0.00E+00	2.99E-04	1.49E-03	2.92E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	1.49E-03
810 ALL	642646.8	4251498 NonCancel	3.42E-04	1.10E-03	5.28E-04	8.91E-06	0.00E+00	3.51E-04	1.75E-03	3.42E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	1.75E-03
811 ALL	642746.8	4251498 NonCancel	4.03E-04	1.30E-03	6.19E-04	1.09E-05	0.00E+00	4.14E-04	2.08E-03	4.03E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	2.08E-03
812 ALL	642846.8	4251498 NonCancel	4.66E-04	1.49E-03	7.13E-04	1.30E-05	0.00E+00	4.79E-04	2.42E-03	4.66E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	2.42E-03
813 ALL	642946.8	4251498 NonCancel	5.50E-04	1.76E-03	8.40E-04	1.54E-05	0.00E+00	5.65E-04	2.92E-03	5.50E-04	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	2.92E-03
814 ALL	643046.8	4251498 NonCancel	6.62E-04	2.13E-03	1.02E-03	1.71E-05	0.00E+00	6.79E-04	3.60E-03	6.62E-04	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	3.60E-03
815 ALL	643146.8	4251498 NonCancel	8.25E-04	2.71E-03	1.31E-03	1.68E-05	0.00E+00	8.42E-04	4.30E-03	8.25E-04	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	4.30E-03
816 ALL	643246.8	4251498 NonCancel	1.00E-03	3.34E-03	1.62E-03	1.55E-05	0.00E+00	1.02E-03	4.85E-03	1.00E-03	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	4.85E-03
817 ALL	643346.8	4251498 NonCancel	1.11E-03	3.71E-03	1.81E-03	1.55E-05	0.00E+00	1.12E-03	5.19E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	5.19E-03
818 ALL	643446.8	4251498 NonCancel	1.18E-03	3.93E-03	1.91E-03	1.90E-05	0.00E+00	1.20E-03	5.54E-03	1.18E-03	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	5.54E-03
819 ALL	643546.8	4251498 NonCancel	1.26E-03	4.13E-03	1.99E-03	2.62E-05	0.00E+00	1.29E-03	5.97E-03	1.26E-03	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	5.97E-03
820 ALL	643646.8	4251498 NonCancel	1.31E-03	4.21E-03	2.02E-03	3.48E-05	0.00E+00	1.34E-03	6.29E-03	1.31E-03	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	6.29E-03
821 ALL	643746.8	4251498 NonCancel	1.30E-03	4.09E-03	1.95E-03	4.10E-05	0.00E+00	1.34E-03	6.32E-03	1.30E-03	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	6.32E-03
822 ALL	643846.8	4251498 NonCancel	1.22E-03	3.80E-03	1.79E-03	4.35E-05	0.00E+00	1.26E-03	6.04E-03	1.22E-03	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	6.04E-03
823 ALL	643946.8	4251498 NonCancel	1.11E-03	3.42E-03	1.61E-03	4.27E-05	0.00E+00	1.15E-03	5.54E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	5.54E-03
824 ALL	644046.8	4251498 NonCancel	9.75E-04	2.99E-03	1.40E-03	3.90E-05	0.00E+00	1.01E-03	4.87E-03	9.75E-04	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	4.87E-03
825 ALL	644146.8	4251498 NonCancel	8.14E-04	2.49E-03	1.17E-03	3.29E-05	0.00E+00	8.47E-04	4.06E-03	8.14E-04	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	4.06E-03
826 ALL	644246.8	4251498 NonCancel	6.53E-04	2.00E-03	9.40E-04	2.59E-05	0.00E+00	6.78E-04	3.25E-03	6.53E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	3.25E-03
827 ALL	644346.8	4251498 NonCancel	5.15E-04	1.59E-03	7.49E-04	1.96E-05	0.00E+00	5.35E-04	2.55E-03	5.15E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	2.55E-03
828 ALL	644446.8	4251498 NonCancel	4.10E-04	1.28E-03	6.04E-04	1.46E-05	0.00E+00	4.25E-04	2.02E-03	4.10E-04	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	2.02E-03
829 ALL	644546.8	4251498 NonCancel	3.34E-04	1.05E-03	4.99E-04	1.09E-05	0.00E+00	3.45E-04	1.62E-03	3.34E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	1.62E-03
830 ALL	644646.8	4251498 NonCancel	2.79E-04	8.86E-04	4.22E-04	8.41E-06	0.00E+00	2.87E-04	1.34E-03	2.79E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	1.34E-03

831 ALL	644746.8	4251498	NonCancel	2.37E-04	7.59E-04	3.62E-04	6.70E-06	0.00E+00	2.44E-04	1.13E-03	2.37E-04	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	1.13E-03
832 ALL	644846.8	4251498	NonCancel	2.06E-04	6.61E-04	3.16E-04	5.55E-06	0.00E+00	2.11E-04	9.73E-04	2.06E-04	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	9.73E-04
833 ALL	644946.8	4251498	NonCancel	1.80E-04	5.81E-04	2.78E-04	4.74E-06	0.00E+00	1.85E-04	8.52E-04	1.80E-04	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	8.52E-04
834 ALL	645046.8	4251498	NonCancel	1.60E-04	5.17E-04	2.48E-04	4.16E-06	0.00E+00	1.65E-04	7.60E-04	1.60E-04	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	7.60E-04
835 ALL	645146.8	4251498	NonCancel	1.44E-04	4.65E-04	2.23E-04	3.73E-06	0.00E+00	1.48E-04	6.86E-04	1.44E-04	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	6.86E-04
836 ALL	645246.8	4251498	NonCancel	1.31E-04	4.22E-04	2.02E-04	3.41E-06	0.00E+00	1.34E-04	6.26E-04	1.31E-04	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	6.26E-04
837 ALL	645346.8	4251498	NonCancel	1.20E-04	3.88E-04	1.86E-04	3.16E-06	0.00E+00	1.24E-04	5.77E-04	1.20E-04	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	5.77E-04
838 ALL	642446.8	4251598	NonCancel	2.65E-04	8.49E-04	4.06E-04	7.33E-06	0.00E+00	2.72E-04	1.36E-03	2.65E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	1.36E-03
839 ALL	642546.8	4251598	NonCancel	3.02E-04	9.66E-04	4.61E-04	8.50E-06	0.00E+00	3.11E-04	1.55E-03	3.02E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	1.55E-03
840 ALL	642646.8	4251598	NonCancel	3.46E-04	1.11E-03	5.27E-04	1.00E-05	0.00E+00	3.56E-04	1.79E-03	3.46E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	1.79E-03
841 ALL	642746.8	4251598	NonCancel	4.08E-04	1.30E-03	6.18E-04	1.23E-05	0.00E+00	4.20E-04	2.12E-03	4.08E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	2.12E-03
842 ALL	642846.8	4251598	NonCancel	4.63E-04	1.47E-03	7.01E-04	1.39E-05	0.00E+00	4.77E-04	2.44E-03	4.63E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	2.44E-03
843 ALL	642946.8	4251598	NonCancel	5.35E-04	1.71E-03	8.17E-04	1.53E-05	0.00E+00	5.51E-04	2.89E-03	5.35E-04	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	2.89E-03
844 ALL	643046.8	4251598	NonCancel	6.56E-04	2.13E-03	1.02E-03	1.61E-05	0.00E+00	6.72E-04	3.50E-03	6.56E-04	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	3.50E-03
845 ALL	643146.8	4251598	NonCancel	7.99E-04	2.63E-03	1.27E-03	1.53E-05	0.00E+00	8.14E-04	4.00E-03	7.99E-04	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	4.00E-03
846 ALL	643246.8	4251598	NonCancel	9.07E-04	3.03E-03	1.47E-03	1.44E-05	0.00E+00	9.21E-04	4.33E-03	9.07E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	4.33E-03
847 ALL	643346.8	4251598	NonCancel	9.66E-04	3.23E-03	1.57E-03	1.50E-05	0.00E+00	9.81E-04	4.55E-03	9.66E-04	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	4.55E-03
848 ALL	643446.8	4251598	NonCancel	1.02E-03	3.38E-03	1.64E-03	1.86E-05	0.00E+00	1.04E-03	4.85E-03	1.02E-03	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	4.85E-03
849 ALL	643546.8	4251598	NonCancel	1.09E-03	3.54E-03	1.70E-03	2.48E-05	0.00E+00	1.11E-03	5.20E-03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	5.20E-03
850 ALL	643646.8	4251598	NonCancel	1.13E-03	3.60E-03	1.72E-03	3.17E-05	0.00E+00	1.16E-03	5.46E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	5.46E-03
851 ALL	643746.8	4251598	NonCancel	1.12E-03	3.52E-03	1.67E-03	3.68E-05	0.00E+00	1.16E-03	5.51E-03	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	5.51E-03
852 ALL	643846.8	4251598	NonCancel	1.07E-03	3.31E-03	1.56E-03	3.90E-05	0.00E+00	1.11E-03	5.33E-03	1.07E-03	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	5.33E-03
853 ALL	643946.8	4251598	NonCancel	9.85E-04	3.03E-03	1.42E-03	3.89E-05	0.00E+00	1.02E-03	4.98E-03	9.85E-04	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	4.98E-03
854 ALL	644046.8	4251598	NonCancel	8.92E-04	2.72E-03	1.28E-03	3.68E-05	0.00E+00	9.29E-04	4.52E-03	8.92E-04	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	4.52E-03
855 ALL	644146.8	4251598	NonCancel	7.80E-04	2.37E-03	1.11E-03	3.28E-05	0.00E+00	8.13E-04	3.94E-03	7.80E-04	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	3.94E-03
856 ALL	644246.8	4251598	NonCancel	6.54E-04	1.99E-03	9.31E-04	2.75E-05	0.00E+00	6.81E-04	3.30E-03	6.54E-04	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	3.30E-03
857 ALL	644346.8	4251598	NonCancel	5.34E-04	1.63E-03	7.64E-04	2.20E-05	0.00E+00	5.56E-04	2.69E-03	5.34E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	2.69E-03
858 ALL	644446.8	4251598	NonCancel	4.32E-04	1.33E-03	6.24E-04	1.70E-05	0.00E+00	4.49E-04	2.17E-03	4.32E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	2.17E-03
859 ALL	644546.8	4251598	NonCancel	3.53E-04	1.09E-03	5.16E-04	1.30E-05	0.00E+00	3.66E-04	1.75E-03	3.53E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	1.75E-03
860 ALL	644646.8	4251598	NonCancel	2.93E-04	9.16E-04	4.34E-04	1.00E-05	0.00E+00	3.03E-04	1.44E-03	2.93E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.44E-03
861 ALL	644746.8	4251598	NonCancel	2.48E-04	7.83E-04	3.72E-04	7.91E-06	0.00E+00	2.56E-04	1.21E-03	2.48E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	1.21E-03
862 ALL	644846.8	4251598	NonCancel	2.15E-04	6.82E-04	3.25E-04	6.43E-06	0.00E+00	2.21E-04	1.03E-03	2.15E-04	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	1.03E-03
863 ALL	644946.8	4251598	NonCancel	1.88E-04	6.01E-04	2.87E-04	5.40E-06	0.00E+00	1.94E-04	9.01E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	9.01E-04
864 ALL	645046.8	4251598	NonCancel	1.66E-04	5.33E-04	2.54E-04	4.66E-06	0.00E+00	1.71E-04	7.96E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	7.96E-04
865 ALL	645146.8	4251598	NonCancel	1.49E-04	4.77E-04	2.28E-04	4.12E-06	0.00E+00	1.53E-04	7.12E-04	1.49E-04	0.00E+00	0.00E+00	0.00E+00	5.79E-05	0.00E+00	0.00E+00	7.12E-04
866 ALL	645246.8	4251598	NonCancel	1.34E-04	4.28E-04	2.05E-04	3.70E-06	0.00E+00	1.37E-04	6.42E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	6.42E-04
867 ALL	645346.8	4251598	NonCancel	1.22E-04	3.90E-04	1.86E-04	3.39E-06	0.00E+00	1.25E-04	5.87E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	5.87E-04
868 ALL	642446.8	4251698	NonCancel	2.74E-04	8.71E-04	4.14E-04	8.37E-06	0.00E+00	2.83E-04	1.42E-03	2.74E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	1.42E-03
869 ALL	642546.8	4251698	NonCancel	3.12E-04	9.88E-04	4.70E-04	9.76E-06	0.00E+00	3.22E-04	1.62E-03	3.12E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	1.62E-03
870 ALL	642646.8	4251698	NonCancel	3.51E-04	1.11E-03	5.26E-04	1.11E-05	0.00E+00	3.62E-04	1.83E-03	3.51E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	1.83E-03
871 ALL	642746.8	4251698	NonCancel	3.96E-04	1.25E-03	5.94E-04	1.26E-05	0.00E+00	4.09E-04	2.08E-03	3.96E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	2.08E-03
872 ALL	642846.8	4251698	NonCancel	4.51E-04	1.43E-03	6.79E-04	1.40E-05	0.00E+00	4.65E-04	2.41E-03	4.51E-04	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	2.41E-03
873 ALL	642946.8	4251698	NonCancel	5.27E-04	1.69E-03	8.06E-04	1.47E-05	0.00E+00	5.42E-04	2.84E-03	5.27E-04	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	2.84E-03
874 ALL	643046.8	4251698	NonCancel	6.49E-04	2.11E-03	1.02E-03	1.51E-05	0.00E+00	6.64E-04	3.36E-03	6.49E-04	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	3.36E-03
875 ALL	643146.8	4251698	NonCancel	7.53E-04	2.49E-03	1.20E-03	1.43E-05	0.00E+00	7.67E-04	3.69E-03	7.53E-04	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	3.69E-03
876 ALL	643246.8	4251698	NonCancel	8.16E-04	2.71E-03	1.32E-03	1.38E-05	0.00E+00	8.30E-04	3.88E-03	8.16E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	3.88E-03
877 ALL	643346.8	4251698	NonCancel	8.55E-04	2.84E-03	1.37E-03	1.49E-05	0.00E+00	8.70E-04	4.05E-03	8.55E-04	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	4.05E-03
878 ALL	643446.8	4251698	NonCancel	9.01E-04	2.96E-03	1.43E-03	1.84E-05	0.00E+00	9.19E-04	4.31E-03	9.01E-04	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	4.31E-03
879 ALL	643546.8	4251698	NonCancel	9.52E-04	3.08E-03	1.48E-03	2.37E-05	0.00E+00	9.76E-04	4.61E-03	9.52E-04	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	4.61E-03
880 ALL	643646.8	4251698	NonCancel	9.85E-04	3.13E-03	1.49E-03	2.94E-05	0.00E+00	1.01E-03	4.83E-03	9.85E-04	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	4.83E-03
881 ALL	643746.8	4251698	NonCancel	9.82E-04	3.07E-03	1.46E-03	3.36E-05	0.00E+00	1.02E-03	4.89E-03	9.82E-04	0.00E+00	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	4.89E-03
882 ALL	643846.8	4251698	NonCancel	9.46E-04	2.93E-03	1.38E-03	3.56E-05	0.00E+00	9.81									

883 ALL	643946.8	4251698	NonCancel	8.84E-04	2.71E-03	1.27E-03	3.57E-05	0.00E+00	9.20E-04	4.50E-03	8.84E-04	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	4.50E-03
884 ALL	644046.8	4251698	NonCancel	8.13E-04	2.47E-03	1.16E-03	3.44E-05	0.00E+00	8.47E-04	4.17E-03	8.13E-04	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	4.17E-03
885 ALL	644146.8	4251698	NonCancel	7.33E-04	2.22E-03	1.04E-03	3.19E-05	0.00E+00	7.65E-04	3.76E-03	7.33E-04	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	3.76E-03
886 ALL	644246.8	4251698	NonCancel	6.39E-04	1.93E-03	9.01E-04	2.80E-05	0.00E+00	6.67E-04	3.27E-03	6.39E-04	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	3.27E-03
887 ALL	644346.8	4251698	NonCancel	5.40E-04	1.63E-03	7.62E-04	2.35E-05	0.00E+00	5.63E-04	2.76E-03	5.40E-04	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	2.76E-03
888 ALL	644446.8	4251698	NonCancel	4.48E-04	1.36E-03	6.37E-04	1.90E-05	0.00E+00	4.67E-04	2.28E-03	4.48E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	2.28E-03
889 ALL	644546.8	4251698	NonCancel	3.69E-04	1.13E-03	5.30E-04	1.50E-05	0.00E+00	3.84E-04	1.87E-03	3.69E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	1.87E-03
890 ALL	644646.8	4251698	NonCancel	3.07E-04	9.48E-04	4.46E-04	1.18E-05	0.00E+00	3.19E-04	1.54E-03	3.07E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	1.54E-03
891 ALL	644746.8	4251698	NonCancel	2.60E-04	8.08E-04	3.82E-04	9.30E-06	0.00E+00	2.69E-04	1.29E-03	2.60E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.29E-03
892 ALL	644846.8	4251698	NonCancel	2.23E-04	7.01E-04	3.32E-04	7.48E-06	0.00E+00	2.31E-04	1.10E-03	2.23E-04	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	1.10E-03
893 ALL	644946.8	4251698	NonCancel	1.96E-04	6.18E-04	2.94E-04	6.20E-06	0.00E+00	2.02E-04	9.54E-04	1.96E-04	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	9.54E-04
894 ALL	645046.8	4251698	NonCancel	1.73E-04	5.49E-04	2.61E-04	5.26E-06	0.00E+00	1.78E-04	8.38E-04	1.73E-04	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	8.38E-04
895 ALL	645146.8	4251698	NonCancel	1.54E-04	4.90E-04	2.33E-04	4.57E-06	0.00E+00	1.58E-04	7.44E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	7.44E-04
896 ALL	645246.8	4251698	NonCancel	1.38E-04	4.39E-04	2.09E-04	4.06E-06	0.00E+00	1.42E-04	6.67E-04	1.38E-04	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	6.67E-04
897 ALL	645346.8	4251698	NonCancel	1.24E-04	3.97E-04	1.89E-04	3.67E-06	0.00E+00	1.28E-04	6.04E-04	1.24E-04	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	6.04E-04
898 ALL	643402.4	4250581	NonCancel	7.24E-04	2.31E-03	1.10E-03	2.12E-05	0.00E+00	7.45E-04	6.84E-03	7.24E-04	0.00E+00	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00	6.84E-03
899 ALL	643373.6	4250677	NonCancel	8.85E-04	2.85E-03	1.36E-03	2.34E-05	0.00E+00	9.09E-04	8.44E-03	8.85E-04	0.00E+00	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	8.44E-03
900 ALL	643344.7	4250773	NonCancel	1.11E-03	3.60E-03	1.73E-03	2.77E-05	0.00E+00	1.14E-03	9.42E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	9.42E-03
901 ALL	643315.9	4250868	NonCancel	1.33E-03	4.30E-03	2.06E-03	3.45E-05	0.00E+00	1.37E-03	9.37E-03	1.33E-03	0.00E+00	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	9.37E-03
902 ALL	643314.1	4250874	NonCancel	1.34E-03	4.33E-03	2.08E-03	3.47E-05	0.00E+00	1.38E-03	9.32E-03	1.34E-03	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	9.32E-03
903 ALL	643407.8	4250876	NonCancel	2.22E-03	7.17E-03	3.44E-03	5.58E-05	0.00E+00	2.27E-03	1.91E-02	2.22E-03	0.00E+00	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.91E-02
904 ALL	643507.8	4250878	NonCancel	4.41E-03	1.48E-02	7.18E-03	6.53E-05	0.00E+00	4.47E-03	2.90E-02	4.41E-03	0.00E+00	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	2.90E-02
905 ALL	643607.8	4250880	NonCancel	8.73E-03	2.90E-02	1.41E-02	1.50E-04	0.00E+00	8.88E-03	3.81E-02	8.73E-03	0.00E+00	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	3.81E-02
906 ALL	643707.7	4250881	NonCancel	7.33E-03	2.43E-02	1.18E-02	1.32E-04	0.00E+00	7.46E-03	2.85E-02	7.33E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.85E-02
907 ALL	643807.7	4250883	NonCancel	2.97E-03	9.75E-03	4.70E-03	6.27E-05	0.00E+00	3.04E-03	1.22E-02	2.97E-03	0.00E+00	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	1.22E-02
908 ALL	643820.9	4250883	NonCancel	2.62E-03	8.58E-03	4.13E-03	5.64E-05	0.00E+00	2.68E-03	1.09E-02	2.62E-03	0.00E+00	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.09E-02
909 ALL	643818.8	4250846	NonCancel	2.33E-03	7.66E-03	3.70E-03	4.75E-05	0.00E+00	2.38E-03	9.69E-03	2.33E-03	0.00E+00	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	9.69E-03
910 ALL	643768.8	4250845	NonCancel	4.09E-03	1.36E-02	6.57E-03	7.29E-05	0.00E+00	4.16E-03	1.60E-02	4.09E-03	0.00E+00	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.60E-02
911 ALL	643668.9	4250843	NonCancel	1.13E-02	3.79E-02	1.84E-02	1.62E-04	0.00E+00	1.15E-02	4.18E-02	1.13E-02	0.00E+00	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	4.18E-02
912 ALL	643666.2	4250843	NonCancel	1.14E-02	3.84E-02	1.87E-02	1.64E-04	0.00E+00	1.16E-02	4.25E-02	1.14E-02	0.00E+00	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	4.25E-02
913 ALL	643667.4	4250746	NonCancel	2.21E-02	7.64E-02	3.76E-02	9.51E-05	0.00E+00	2.21E-02	6.80E-02	2.21E-02	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.64E-02
914 ALL	643668.6	4250646	NonCancel	9.03E-03	3.12E-02	1.53E-02	4.83E-05	0.00E+00	9.08E-03	3.08E-02	9.03E-03	0.00E+00	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	3.12E-02
915 ALL	643669.3	4250586	NonCancel	4.71E-03	1.59E-02	7.76E-03	5.78E-05	0.00E+00	4.77E-03	1.91E-02	4.71E-03	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-02
916 ALL	643629	4250586	NonCancel	2.81E-03	9.12E-03	4.38E-03	6.85E-05	0.00E+00	2.88E-03	1.60E-02	2.81E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	1.60E-02
917 ALL	643529	4250584	NonCancel	1.19E-03	3.78E-03	1.80E-03	3.47E-05	0.00E+00	1.22E-03	1.58E-02	1.19E-03	0.00E+00	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.58E-02
918 ALL	643429	4250582	NonCancel	7.73E-04	2.47E-03	1.18E-03	2.25E-05	0.00E+00	7.96E-04	8.20E-03	7.73E-04	0.00E+00	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	8.20E-03



TAYLOR
ENVIRONMENTAL
SERVICES, INC.

ACUTE RISK

*HARP - HRACalc v19044 4/4/2021 1:05:46 PM - Acute Risk - Input File: C:\Users\Modeling Computer\Documents\VMC_Elk\ELKGROVETRUCK\hra\acuteHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE RESP	SKIN	EYE	BONE/TEE ENDO	BLOOD	ODOR	GENERAL	MAXHI			
1	ALL		643605.3	4250526	NonCancel	4.36E-02	4.49E-02	3.00E-01	0.00E+00	0.00E+00	6.76E-02	4.93E-04	0.00E+00	1.73E-01	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	3.00E-01
2	ALL		643728.5	4250904	NonCancel	3.05E-02	3.12E-02	2.11E-01	0.00E+00	0.00E+00	4.36E-02	2.94E-04	0.00E+00	9.45E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.11E-01
3	ALL		643912.5	4250829	NonCancel	1.45E-02	1.50E-02	9.88E-02	0.00E+00	0.00E+00	2.23E-02	1.65E-04	0.00E+00	5.67E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	9.88E-02
4	ALL		644105.7	4250735	NonCancel	9.55E-03	9.87E-03	6.50E-02	0.00E+00	0.00E+00	1.48E-02	1.08E-04	0.00E+00	3.78E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	6.50E-02
5	ALL		644093.7	4250516	NonCancel	9.80E-03	1.02E-02	6.62E-02	0.00E+00	0.00E+00	1.53E-02	1.12E-04	0.00E+00	4.04E-02	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	6.62E-02
6	ALL		643217.1	4250857	NonCancel	8.85E-03	9.40E-03	6.01E-02	0.00E+00	0.00E+00	1.85E-02	2.09E-04	0.00E+00	6.96E-02	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	6.96E-02
7	ALL		643115.9	4250756	NonCancel	6.50E-03	6.90E-03	4.37E-02	0.00E+00	0.00E+00	1.31E-02	1.41E-04	0.00E+00	4.79E-02	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	4.79E-02
8	ALL		642446.8	4248798	NonCancel	2.31E-03	2.50E-03	1.41E-02	0.00E+00	0.00E+00	4.64E-03	3.82E-05	0.00E+00	1.74E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.74E-02
9	ALL		642546.8	4248798	NonCancel	2.44E-03	2.64E-03	1.51E-02	0.00E+00	0.00E+00	4.87E-03	4.09E-05	0.00E+00	1.81E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.81E-02
10	ALL		642646.8	4248798	NonCancel	2.57E-03	2.76E-03	1.60E-02	0.00E+00	0.00E+00	5.03E-03	4.16E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.84E-02
11	ALL		642746.8	4248798	NonCancel	2.60E-03	2.82E-03	1.62E-02	0.00E+00	0.00E+00	5.33E-03	4.42E-05	0.00E+00	2.02E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	2.02E-02
12	ALL		642846.8	4248798	NonCancel	2.76E-03	2.98E-03	1.73E-02	0.00E+00	0.00E+00	5.65E-03	4.68E-05	0.00E+00	2.14E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.14E-02
13	ALL		642946.8	4248798	NonCancel	2.98E-03	3.21E-03	1.86E-02	0.00E+00	0.00E+00	5.82E-03	4.60E-05	0.00E+00	2.11E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	2.11E-02
14	ALL		643046.8	4248798	NonCancel	2.87E-03	3.08E-03	1.81E-02	0.00E+00	0.00E+00	5.49E-03	4.36E-05	0.00E+00	1.94E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.94E-02
15	ALL		643146.8	4248798	NonCancel	2.63E-03	2.83E-03	1.64E-02	0.00E+00	0.00E+00	5.13E-03	4.31E-05	0.00E+00	1.86E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.86E-02
16	ALL		643246.8	4248798	NonCancel	3.09E-03	3.33E-03	1.93E-02	0.00E+00	0.00E+00	5.95E-03	4.70E-05	0.00E+00	2.13E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	2.13E-02
17	ALL		643346.8	4248798	NonCancel	2.89E-03	3.13E-03	1.77E-02	0.00E+00	0.00E+00	5.79E-03	4.79E-05	0.00E+00	2.16E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	2.16E-02
18	ALL		643446.8	4248798	NonCancel	2.84E-03	3.07E-03	1.77E-02	0.00E+00	0.00E+00	5.70E-03	4.75E-05	0.00E+00	2.12E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	2.12E-02
19	ALL		643546.8	4248798	NonCancel	2.63E-03	2.82E-03	1.65E-02	0.00E+00	0.00E+00	5.10E-03	4.15E-05	0.00E+00	1.83E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.83E-02
20	ALL		643646.8	4248798	NonCancel	2.71E-03	2.92E-03	1.68E-02	0.00E+00	0.00E+00	5.25E-03	4.23E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.89E-02
21	ALL		643746.8	4248798	NonCancel	2.72E-03	2.94E-03	1.67E-02	0.00E+00	0.00E+00	5.41E-03	4.41E-05	0.00E+00	2.01E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	2.01E-02
22	ALL		643846.8	4248798	NonCancel	2.87E-03	3.09E-03	1.79E-02	0.00E+00	0.00E+00	5.55E-03	4.42E-05	0.00E+00	1.99E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.99E-02
23	ALL		643946.8	4248798	NonCancel	2.70E-03	2.90E-03	1.69E-02	0.00E+00	0.00E+00	5.16E-03	4.06E-05	0.00E+00	1.83E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.83E-02
24	ALL		644046.8	4248798	NonCancel	2.53E-03	2.73E-03	1.58E-02	0.00E+00	0.00E+00	5.07E-03	4.09E-05	0.00E+00	1.88E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.88E-02
25	ALL		644146.8	4248798	NonCancel	2.47E-03	2.67E-03	1.54E-02	0.00E+00	0.00E+00	4.90E-03	3.94E-05	0.00E+00	1.80E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.80E-02
26	ALL		644246.8	4248798	NonCancel	2.36E-03	2.55E-03	1.48E-02	0.00E+00	0.00E+00	4.64E-03	3.83E-05	0.00E+00	1.69E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.69E-02
27	ALL		644346.8	4248798	NonCancel	2.36E-03	2.53E-03	1.50E-02	0.00E+00	0.00E+00	4.46E-03	3.53E-05	0.00E+00	1.55E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.55E-02
28	ALL		644446.8	4248798	NonCancel	2.36E-03	2.54E-03	1.47E-02	0.00E+00	0.00E+00	4.60E-03	3.67E-05	0.00E+00	1.66E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.66E-02
29	ALL		644546.8	4248798	NonCancel	2.49E-03	2.68E-03	1.55E-02	0.00E+00	0.00E+00	4.87E-03	3.92E-05	0.00E+00	1.77E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.77E-02
30	ALL		644646.8	4248798	NonCancel	2.58E-03	2.77E-03	1.60E-02	0.00E+00	0.00E+00	4.92E-03	3.76E-05	0.00E+00	1.74E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.74E-02
31	ALL		644746.8	4248798	NonCancel	2.46E-03	2.65E-03	1.53E-02	0.00E+00	0.00E+00	4.74E-03	3.57E-05	0.00E+00	1.70E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.70E-02
32	ALL		644846.8	4248798	NonCancel	2.20E-03	2.38E-03	1.36E-02	0.00E+00	0.00E+00	4.29E-03	3.28E-05	0.00E+00	1.56E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.56E-02
33	ALL		644946.8	4248798	NonCancel	2.09E-03	2.26E-03	1.29E-02	0.00E+00	0.00E+00	4.16E-03	3.24E-05	0.00E+00	1.54E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.54E-02
34	ALL		645046.8	4248798	NonCancel	2.09E-03	2.26E-03	1.28E-02	0.00E+00	0.00E+00	4.13E-03	3.18E-05	0.00E+00	1.53E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.53E-02
35	ALL		645146.8	4248798	NonCancel	2.01E-03	2.18E-03	1.24E-02	0.00E+00	0.00E+00	4.01E-03	3.10E-05	0.00E+00	1.48E-02	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.48E-02
36	ALL		645246.8	4248798	NonCancel	1.86E-03	2.01E-03	1.15E-02	0.00E+00	0.00E+00	3.69E-03	2.89E-05	0.00E+00	1.36E-02	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	1.36E-02
37	ALL		645346.8	4248798	NonCancel	1.73E-03	1.86E-03	1.09E-02	0.00E+00	0.00E+00	3.37E-03	2.62E-05	0.00E+00	1.21E-02	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	1.21E-02
38	ALL		642446.8	4248898	NonCancel	2.37E-03	2.56E-03	1.46E-02	0.00E+00	0.00E+00	4.68E-03	3.81E-05	0.00E+00	1.72E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.72E-02
39	ALL		642546.8	4248898	NonCancel	2.46E-03	2.66E-03	1.51E-02	0.00E+00	0.00E+00	4.97E-03	4.12E-05	0.00E+00	1.87E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.87E-02
40	ALL		642646.8	4248898	NonCancel	2.56E-03	2.76E-03	1.60E-02	0.00E+00	0.00E+00	5.09E-03	4.31E-05	0.00E+00	1.87E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.87E-02
41	ALL		642746.8	4248898	NonCancel	2.75E-03	2.97E-03	1.71E-02	0.00E+00	0.00E+00	5.46E-03	4.47E-05	0.00E+00	2.01E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	2.01E-02
42	ALL		642846.8	4248898	NonCancel	2.81E-03	3.04E-03	1.76E-02	0.00E+00	0.00E+00	5.79E-03	4.85E-05	0.00E+00	2.20E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	2.20E-02
43	ALL		642946.8	4248898	NonCancel	3.03E-03	3.26E-03	1.91E-02	0.00E+00	0.00E+00	6.00E-03	4.85E-05	0.00E+00	2.20E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	2.20E-02
44	ALL		643046.8	4248898	NonCancel	3.01E-03	3.23E-03	1.90E-02	0.00E+00	0.00E+00	5.73E-03	4.55E-05	0.00E+00	2.02E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	2.02E-02
45	ALL		643146.8	4248898	NonCancel	2.73E-03	2.93E-03	1.72E-02	0.00E+00	0.00E+00	5.29E-03	4.48E-05	0.00E+00	1.90E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.90E-02
46	ALL		643246.8	4248898	NonCancel	3.26E-03	3.49E-03	2.04E-02	0.00E+00	0.00E+00	6.15E-03	4.81E-05	0.00E+00	2.15E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	2.15E-02
47	ALL		643346.8	4248898	NonCancel	3.01E-03	3.26E-03	1.85E-02	0.00E+00	0.00E+00	6.02E-03	5.00E-05	0.00E+00	2.24E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	2.24E-02
48	ALL		643446.8	4248898	NonCancel	2.99E-03	3.22E-03	1.87E-02	0.00E+00	0.00E+00	5.96E-03	4.94E-05	0.00E+00	2.20E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	2.20E-02
49	ALL		643546.8	4248898	NonCancel	2.75E-03	2.94E-03	1.74E-02	0.00E+00	0.00E+00	5.29E-03	4.33E-05								

51 ALL	643746.8	4248898	NonCancel	2.87E-03	3.10E-03	1.77E-02	0.00E+00	0.00E+00	5.70E-03	4.69E-05	0.00E+00	2.11E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	2.11E-02
52 ALL	643846.8	4248898	NonCancel	3.00E-03	3.22E-03	1.87E-02	0.00E+00	0.00E+00	5.76E-03	4.58E-05	0.00E+00	2.06E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.06E-02
53 ALL	643946.8	4248898	NonCancel	2.84E-03	3.04E-03	1.79E-02	0.00E+00	0.00E+00	5.39E-03	4.27E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.89E-02
54 ALL	644046.8	4248898	NonCancel	2.65E-03	2.86E-03	1.66E-02	0.00E+00	0.00E+00	5.30E-03	4.32E-05	0.00E+00	1.96E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.96E-02
55 ALL	644146.8	4248898	NonCancel	2.55E-03	2.75E-03	1.59E-02	0.00E+00	0.00E+00	5.04E-03	4.14E-05	0.00E+00	1.85E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.85E-02
56 ALL	644246.8	4248898	NonCancel	2.51E-03	2.69E-03	1.58E-02	0.00E+00	0.00E+00	4.80E-03	3.88E-05	0.00E+00	1.70E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.70E-02
57 ALL	644346.8	4248898	NonCancel	2.50E-03	2.68E-03	1.58E-02	0.00E+00	0.00E+00	4.74E-03	3.79E-05	0.00E+00	1.66E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.66E-02
58 ALL	644446.8	4248898	NonCancel	2.54E-03	2.73E-03	1.58E-02	0.00E+00	0.00E+00	4.96E-03	4.04E-05	0.00E+00	1.80E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.80E-02
59 ALL	644546.8	4248898	NonCancel	2.66E-03	2.87E-03	1.66E-02	0.00E+00	0.00E+00	5.11E-03	4.03E-05	0.00E+00	1.82E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.82E-02
60 ALL	644646.8	4248898	NonCancel	2.66E-03	2.86E-03	1.66E-02	0.00E+00	0.00E+00	5.07E-03	3.79E-05	0.00E+00	1.79E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.79E-02
61 ALL	644746.8	4248898	NonCancel	2.40E-03	2.59E-03	1.48E-02	0.00E+00	0.00E+00	4.65E-03	3.56E-05	0.00E+00	1.68E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.68E-02
62 ALL	644846.8	4248898	NonCancel	2.20E-03	2.37E-03	1.37E-02	0.00E+00	0.00E+00	4.30E-03	3.35E-05	0.00E+00	1.56E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.56E-02
63 ALL	644946.8	4248898	NonCancel	2.18E-03	2.35E-03	1.34E-02	0.00E+00	0.00E+00	4.28E-03	3.32E-05	0.00E+00	1.57E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.57E-02
64 ALL	645046.8	4248898	NonCancel	2.09E-03	2.26E-03	1.29E-02	0.00E+00	0.00E+00	4.13E-03	3.22E-05	0.00E+00	1.52E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.52E-02
65 ALL	645146.8	4248898	NonCancel	1.97E-03	2.13E-03	1.22E-02	0.00E+00	0.00E+00	3.88E-03	3.05E-05	0.00E+00	1.41E-02	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	1.41E-02
66 ALL	645246.8	4248898	NonCancel	1.84E-03	1.97E-03	1.16E-02	0.00E+00	0.00E+00	3.55E-03	2.78E-05	0.00E+00	1.27E-02	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	1.27E-02
67 ALL	645346.8	4248898	NonCancel	1.72E-03	1.85E-03	1.08E-02	0.00E+00	0.00E+00	3.35E-03	2.69E-05	0.00E+00	1.20E-02	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	1.20E-02
68 ALL	642446.8	4248998	NonCancel	2.38E-03	2.57E-03	1.47E-02	0.00E+00	0.00E+00	4.70E-03	3.75E-05	0.00E+00	1.72E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.72E-02
69 ALL	642546.8	4248998	NonCancel	2.48E-03	2.69E-03	1.53E-02	0.00E+00	0.00E+00	4.96E-03	4.15E-05	0.00E+00	1.85E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.85E-02
70 ALL	642646.8	4248998	NonCancel	2.65E-03	2.86E-03	1.65E-02	0.00E+00	0.00E+00	5.28E-03	4.46E-05	0.00E+00	1.96E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.96E-02
71 ALL	642746.8	4248998	NonCancel	2.80E-03	3.02E-03	1.75E-02	0.00E+00	0.00E+00	5.50E-03	4.63E-05	0.00E+00	2.00E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	2.00E-02
72 ALL	642846.8	4248998	NonCancel	2.90E-03	3.13E-03	1.82E-02	0.00E+00	0.00E+00	5.95E-03	4.99E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	2.25E-02
73 ALL	642946.8	4248998	NonCancel	2.99E-03	3.22E-03	1.90E-02	0.00E+00	0.00E+00	6.06E-03	5.09E-05	0.00E+00	2.26E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	2.26E-02
74 ALL	643046.8	4248998	NonCancel	3.19E-03	3.42E-03	2.02E-02	0.00E+00	0.00E+00	5.99E-03	4.75E-05	0.00E+00	2.08E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	2.08E-02
75 ALL	643146.8	4248998	NonCancel	2.87E-03	3.06E-03	1.83E-02	0.00E+00	0.00E+00	5.45E-03	4.57E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.91E-02
76 ALL	643246.8	4248998	NonCancel	3.38E-03	3.61E-03	2.12E-02	0.00E+00	0.00E+00	6.30E-03	4.99E-05	0.00E+00	2.18E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	2.18E-02
77 ALL	643346.8	4248998	NonCancel	3.14E-03	3.39E-03	1.94E-02	0.00E+00	0.00E+00	6.27E-03	5.22E-05	0.00E+00	2.33E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	2.33E-02
78 ALL	643446.8	4248998	NonCancel	3.15E-03	3.39E-03	1.98E-02	0.00E+00	0.00E+00	6.25E-03	5.19E-05	0.00E+00	2.30E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	2.30E-02
79 ALL	643546.8	4248998	NonCancel	2.87E-03	3.08E-03	1.83E-02	0.00E+00	0.00E+00	5.49E-03	4.53E-05	0.00E+00	1.93E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.93E-02
80 ALL	643646.8	4248998	NonCancel	3.04E-03	3.27E-03	1.89E-02	0.00E+00	0.00E+00	5.82E-03	4.68E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	2.07E-02
81 ALL	643746.8	4248998	NonCancel	3.04E-03	3.29E-03	1.89E-02	0.00E+00	0.00E+00	6.04E-03	5.03E-05	0.00E+00	2.23E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	2.23E-02
82 ALL	643846.8	4248998	NonCancel	3.12E-03	3.35E-03	1.95E-02	0.00E+00	0.00E+00	5.96E-03	4.71E-05	0.00E+00	2.12E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	2.12E-02
83 ALL	643946.8	4248998	NonCancel	3.00E-03	3.21E-03	1.89E-02	0.00E+00	0.00E+00	5.74E-03	4.59E-05	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	2.03E-02
84 ALL	644046.8	4248998	NonCancel	2.77E-03	2.98E-03	1.73E-02	0.00E+00	0.00E+00	5.52E-03	4.52E-05	0.00E+00	2.04E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.04E-02
85 ALL	644146.8	4248998	NonCancel	2.67E-03	2.87E-03	1.67E-02	0.00E+00	0.00E+00	5.22E-03	4.34E-05	0.00E+00	1.90E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.90E-02
86 ALL	644246.8	4248998	NonCancel	2.63E-03	2.81E-03	1.68E-02	0.00E+00	0.00E+00	4.95E-03	3.96E-05	0.00E+00	1.71E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.71E-02
87 ALL	644346.8	4248998	NonCancel	2.64E-03	2.83E-03	1.66E-02	0.00E+00	0.00E+00	5.05E-03	4.05E-05	0.00E+00	1.79E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.79E-02
88 ALL	644446.8	4248998	NonCancel	2.72E-03	2.93E-03	1.70E-02	0.00E+00	0.00E+00	5.28E-03	4.30E-05	0.00E+00	1.90E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.90E-02
89 ALL	644546.8	4248998	NonCancel	2.85E-03	3.05E-03	1.78E-02	0.00E+00	0.00E+00	5.39E-03	4.12E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.89E-02
90 ALL	644646.8	4248998	NonCancel	2.66E-03	2.86E-03	1.66E-02	0.00E+00	0.00E+00	5.08E-03	3.84E-05	0.00E+00	1.80E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.80E-02
91 ALL	644746.8	4248998	NonCancel	2.38E-03	2.56E-03	1.49E-02	0.00E+00	0.00E+00	4.60E-03	3.57E-05	0.00E+00	1.65E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.65E-02
92 ALL	644846.8	4248998	NonCancel	2.28E-03	2.46E-03	1.41E-02	0.00E+00	0.00E+00	4.46E-03	3.50E-05	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.62E-02
93 ALL	644946.8	4248998	NonCancel	2.18E-03	2.36E-03	1.35E-02	0.00E+00	0.00E+00	4.29E-03	3.35E-05	0.00E+00	1.57E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.57E-02
94 ALL	645046.8	4248998	NonCancel	2.05E-03	2.21E-03	1.28E-02	0.00E+00	0.00E+00	4.01E-03	3.18E-05	0.00E+00	1.45E-02	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.45E-02
95 ALL	645146.8	4248998	NonCancel	1.94E-03	2.08E-03	1.23E-02	0.00E+00	0.00E+00	3.72E-03	2.92E-05	0.00E+00	1.31E-02	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	1.31E-02
96 ALL	645246.8	4248998	NonCancel	1.82E-03	1.95E-03	1.15E-02	0.00E+00	0.00E+00	3.51E-03	2.84E-05	0.00E+00	1.25E-02	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	1.25E-02
97 ALL	645346.8	4248998	NonCancel	1.84E-03	1.97E-03	1.18E-02	0.00E+00	0.00E+00	3.45E-03	2.72E-05	0.00E+00	1.19E-02	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	1.19E-02
98 ALL	642446.8	4249098	NonCancel	2.45E-03	2.66E-03	1.51E-02	0.00E+00	0.00E+00	4.93E-03	3.93E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.84E-02
99 ALL	642546.8	4249098	NonCancel	2.50E-03	2.70E-03	1.55E-02	0.00E+00	0.00E+00	4.93E-03	4.10E-05	0.00E+00	1.81E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.81E-02
100 ALL	642646.8	4249098	NonCancel	2.63E-03	2.85E-03	1.63E-02	0.00E+00	0.00E+00	5.32E-03	4.53E-05	0.00E+00	2.00E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	2.00E-02
101 ALL	642746.8	4249098	NonCancel	2.77E-03	2.99E-03	1.74E-02	0.00E+00	0.00E+00	5.50E-03	4.78E-05	0.00E+00	2.02E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	2.02E-02
102 ALL	642846.8	4249098	NonCancel	3.03E-03	3.27E-03	1.90E-02	0.00E+00	0.00E+00	6.08E-03	5.11E-05	0.00E+00	2.26E-02	0					

103	ALL	642946.8	4249098	NonCancel	3.12E-03	3.36E-03	1.98E-02	0.00E+00	0.00E+00	6.37E-03	5.45E-05	0.00E+00	2.39E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	2.39E-02
104	ALL	643046.8	4249098	NonCancel	3.33E-03	3.56E-03	2.12E-02	0.00E+00	0.00E+00	6.28E-03	5.04E-05	0.00E+00	2.18E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	2.18E-02
105	ALL	643146.8	4249098	NonCancel	3.05E-03	3.24E-03	1.97E-02	0.00E+00	0.00E+00	5.69E-03	4.72E-05	0.00E+00	1.94E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.97E-02
106	ALL	643246.8	4249098	NonCancel	3.41E-03	3.64E-03	2.15E-02	0.00E+00	0.00E+00	6.35E-03	5.17E-05	0.00E+00	2.19E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	2.19E-02
107	ALL	643346.8	4249098	NonCancel	3.40E-03	3.66E-03	2.12E-02	0.00E+00	0.00E+00	6.63E-03	5.45E-05	0.00E+00	2.40E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	2.40E-02
108	ALL	643446.8	4249098	NonCancel	3.32E-03	3.57E-03	2.09E-02	0.00E+00	0.00E+00	6.56E-03	5.48E-05	0.00E+00	2.40E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	2.40E-02
109	ALL	643546.8	4249098	NonCancel	3.07E-03	3.28E-03	1.96E-02	0.00E+00	0.00E+00	5.84E-03	4.84E-05	0.00E+00	2.04E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	2.04E-02
110	ALL	643646.8	4249098	NonCancel	3.24E-03	3.48E-03	2.02E-02	0.00E+00	0.00E+00	6.19E-03	4.98E-05	0.00E+00	2.20E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	2.20E-02
111	ALL	643746.8	4249098	NonCancel	3.22E-03	3.48E-03	2.01E-02	0.00E+00	0.00E+00	6.40E-03	5.38E-05	0.00E+00	2.36E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	2.36E-02
112	ALL	643846.8	4249098	NonCancel	3.29E-03	3.53E-03	2.06E-02	0.00E+00	0.00E+00	6.22E-03	4.88E-05	0.00E+00	2.19E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	2.19E-02
113	ALL	643946.8	4249098	NonCancel	3.11E-03	3.34E-03	1.97E-02	0.00E+00	0.00E+00	6.05E-03	4.90E-05	0.00E+00	2.17E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	2.17E-02
114	ALL	644046.8	4249098	NonCancel	2.91E-03	3.13E-03	1.82E-02	0.00E+00	0.00E+00	5.72E-03	4.68E-05	0.00E+00	2.08E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	2.08E-02
115	ALL	644146.8	4249098	NonCancel	2.75E-03	2.96E-03	1.73E-02	0.00E+00	0.00E+00	5.33E-03	4.44E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.91E-02
116	ALL	644246.8	4249098	NonCancel	2.80E-03	2.99E-03	1.79E-02	0.00E+00	0.00E+00	5.25E-03	4.24E-05	0.00E+00	1.81E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.81E-02
117	ALL	644346.8	4249098	NonCancel	2.82E-03	3.03E-03	1.77E-02	0.00E+00	0.00E+00	5.44E-03	4.48E-05	0.00E+00	1.95E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.95E-02
118	ALL	644446.8	4249098	NonCancel	2.97E-03	3.18E-03	1.86E-02	0.00E+00	0.00E+00	5.63E-03	4.46E-05	0.00E+00	1.98E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.98E-02
119	ALL	644546.8	4249098	NonCancel	2.91E-03	3.12E-03	1.83E-02	0.00E+00	0.00E+00	5.48E-03	4.14E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.91E-02
120	ALL	644646.8	4249098	NonCancel	2.57E-03	2.76E-03	1.60E-02	0.00E+00	0.00E+00	4.92E-03	3.82E-05	0.00E+00	1.75E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.75E-02
121	ALL	644746.8	4249098	NonCancel	2.37E-03	2.55E-03	1.48E-02	0.00E+00	0.00E+00	4.62E-03	3.68E-05	0.00E+00	1.67E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.67E-02
122	ALL	644846.8	4249098	NonCancel	2.29E-03	2.47E-03	1.43E-02	0.00E+00	0.00E+00	4.47E-03	3.52E-05	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.62E-02
123	ALL	644946.8	4249098	NonCancel	2.17E-03	2.33E-03	1.36E-02	0.00E+00	0.00E+00	4.21E-03	3.36E-05	0.00E+00	1.51E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.51E-02
124	ALL	645046.8	4249098	NonCancel	2.05E-03	2.19E-03	1.31E-02	0.00E+00	0.00E+00	3.89E-03	3.06E-05	0.00E+00	1.36E-02	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	1.36E-02
125	ALL	645146.8	4249098	NonCancel	1.88E-03	2.01E-03	1.20E-02	0.00E+00	0.00E+00	3.57E-03	2.91E-05	0.00E+00	1.25E-02	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	1.25E-02
126	ALL	645246.8	4249098	NonCancel	1.93E-03	2.05E-03	1.24E-02	0.00E+00	0.00E+00	3.58E-03	2.85E-05	0.00E+00	1.22E-02	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	1.24E-02
127	ALL	645346.8	4249098	NonCancel	1.88E-03	1.99E-03	1.22E-02	0.00E+00	0.00E+00	3.41E-03	2.62E-05	0.00E+00	1.13E-02	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	1.22E-02
128	ALL	642446.8	4249198	NonCancel	2.62E-03	2.83E-03	1.61E-02	0.00E+00	0.00E+00	5.21E-03	4.22E-05	0.00E+00	1.93E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.93E-02
129	ALL	642546.8	4249198	NonCancel	2.58E-03	2.79E-03	1.60E-02	0.00E+00	0.00E+00	5.17E-03	4.18E-05	0.00E+00	1.92E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.92E-02
130	ALL	642646.8	4249198	NonCancel	2.65E-03	2.87E-03	1.64E-02	0.00E+00	0.00E+00	5.27E-03	4.53E-05	0.00E+00	1.95E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.95E-02
131	ALL	642746.8	4249198	NonCancel	2.89E-03	3.11E-03	1.81E-02	0.00E+00	0.00E+00	5.74E-03	4.97E-05	0.00E+00	2.11E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	2.11E-02
132	ALL	642846.8	4249198	NonCancel	3.09E-03	3.33E-03	1.94E-02	0.00E+00	0.00E+00	6.05E-03	5.19E-05	0.00E+00	2.19E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	2.19E-02
133	ALL	642946.8	4249198	NonCancel	3.23E-03	3.47E-03	2.05E-02	0.00E+00	0.00E+00	6.60E-03	5.67E-05	0.00E+00	2.48E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	2.48E-02
134	ALL	643046.8	4249198	NonCancel	3.39E-03	3.63E-03	2.18E-02	0.00E+00	0.00E+00	6.54E-03	5.43E-05	0.00E+00	2.31E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	2.31E-02
135	ALL	643146.8	4249198	NonCancel	3.30E-03	3.50E-03	2.14E-02	0.00E+00	0.00E+00	6.07E-03	4.99E-05	0.00E+00	2.04E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.14E-02
136	ALL	643246.8	4249198	NonCancel	3.30E-03	3.53E-03	2.08E-02	0.00E+00	0.00E+00	6.23E-03	5.33E-05	0.00E+00	2.18E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	2.18E-02
137	ALL	643346.8	4249198	NonCancel	3.75E-03	4.02E-03	2.37E-02	0.00E+00	0.00E+00	7.06E-03	5.68E-05	0.00E+00	2.45E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	2.45E-02
138	ALL	643446.8	4249198	NonCancel	3.45E-03	3.71E-03	2.19E-02	0.00E+00	0.00E+00	6.80E-03	5.75E-05	0.00E+00	2.47E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	2.47E-02
139	ALL	643546.8	4249198	NonCancel	3.29E-03	3.51E-03	2.10E-02	0.00E+00	0.00E+00	6.22E-03	5.18E-05	0.00E+00	2.16E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	2.16E-02
140	ALL	643646.8	4249198	NonCancel	3.46E-03	3.72E-03	2.16E-02	0.00E+00	0.00E+00	6.61E-03	5.31E-05	0.00E+00	2.34E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	2.34E-02
141	ALL	643746.8	4249198	NonCancel	3.42E-03	3.68E-03	2.14E-02	0.00E+00	0.00E+00	6.77E-03	5.73E-05	0.00E+00	2.48E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	2.48E-02
142	ALL	643846.8	4249198	NonCancel	3.40E-03	3.64E-03	2.14E-02	0.00E+00	0.00E+00	6.48E-03	5.24E-05	0.00E+00	2.29E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	2.29E-02
143	ALL	643946.8	4249198	NonCancel	3.25E-03	3.49E-03	2.06E-02	0.00E+00	0.00E+00	6.38E-03	5.22E-05	0.00E+00	2.31E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	2.31E-02
144	ALL	644046.8	4249198	NonCancel	3.05E-03	3.28E-03	1.92E-02	0.00E+00	0.00E+00	5.95E-03	4.98E-05	0.00E+00	2.15E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	2.15E-02
145	ALL	644146.8	4249198	NonCancel	2.95E-03	3.15E-03	1.88E-02	0.00E+00	0.00E+00	5.57E-03	4.52E-05	0.00E+00	1.94E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.94E-02
146	ALL	644246.8	4249198	NonCancel	3.00E-03	3.21E-03	1.89E-02	0.00E+00	0.00E+00	5.62E-03	4.51E-05	0.00E+00	1.95E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.95E-02
147	ALL	644346.8	4249198	NonCancel	3.01E-03	3.23E-03	1.88E-02	0.00E+00	0.00E+00	5.78E-03	4.78E-05	0.00E+00	2.06E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	2.06E-02
148	ALL	644446.8	4249198	NonCancel	3.16E-03	3.38E-03	1.99E-02	0.00E+00	0.00E+00	5.91E-03	4.51E-05	0.00E+00	2.05E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.05E-02
149	ALL	644546.8	4249198	NonCancel	2.84E-03	3.04E-03	1.78E-02	0.00E+00	0.00E+00	5.33E-03	4.10E-05	0.00E+00	1.86E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.86E-02
150	ALL	644646.8	4249198	NonCancel	2.60E-03	2.80E-03	1.64E-02	0.00E+00	0.00E+00	5.00E-03	3.94E-05	0.00E+00	1.78E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.78E-02
151	ALL	644746.8	4249198	NonCancel	2.41E-03	2.59E-03	1.51E-02	0.00E+00	0.00E+00	4.66E-03	3.70E-05	0.00E+00	1.67E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.67E-02
152	ALL	644846.8	4249198	NonCancel	2.28E-03	2.45E-03	1.44E-02	0.00E+00	0.00E+00	4.39E-03	3.53E-05	0.00E+00	1.56E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.56E-02
153	ALL	644946.8	4249198	NonCancel	2.														

155 ALL	645146.8	4249198	NonCancel	1.98E-03	2.10E-03	1.28E-02	0.00E+00	0.00E+00	3.64E-03	2.94E-05	0.00E+00	1.22E-02	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	1.28E-02
156 ALL	645246.8	4249198	NonCancel	1.91E-03	2.02E-03	1.25E-02	0.00E+00	0.00E+00	3.44E-03	2.67E-05	0.00E+00	1.12E-02	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	1.25E-02
157 ALL	645346.8	4249198	NonCancel	1.76E-03	1.87E-03	1.15E-02	0.00E+00	0.00E+00	3.21E-03	2.57E-05	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	1.15E-02
158 ALL	642446.8	4249298	NonCancel	2.68E-03	2.90E-03	1.65E-02	0.00E+00	0.00E+00	5.33E-03	4.41E-05	0.00E+00	1.98E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.98E-02
159 ALL	642546.8	4249298	NonCancel	2.75E-03	2.97E-03	1.70E-02	0.00E+00	0.00E+00	5.50E-03	4.46E-05	0.00E+00	2.05E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	2.05E-02
160 ALL	642646.8	4249298	NonCancel	2.72E-03	2.93E-03	1.70E-02	0.00E+00	0.00E+00	5.42E-03	4.60E-05	0.00E+00	2.01E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	2.01E-02
161 ALL	642746.8	4249298	NonCancel	2.84E-03	3.07E-03	1.77E-02	0.00E+00	0.00E+00	5.75E-03	5.07E-05	0.00E+00	2.16E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	2.16E-02
162 ALL	642846.8	4249298	NonCancel	3.09E-03	3.31E-03	1.96E-02	0.00E+00	0.00E+00	6.06E-03	5.39E-05	0.00E+00	2.19E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	2.19E-02
163 ALL	642946.8	4249298	NonCancel	3.33E-03	3.58E-03	2.12E-02	0.00E+00	0.00E+00	6.69E-03	5.80E-05	0.00E+00	2.48E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	2.48E-02
164 ALL	643046.8	4249298	NonCancel	3.38E-03	3.63E-03	2.17E-02	0.00E+00	0.00E+00	6.78E-03	5.92E-05	0.00E+00	2.49E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	2.49E-02
165 ALL	643146.8	4249298	NonCancel	3.53E-03	3.74E-03	2.30E-02	0.00E+00	0.00E+00	6.38E-03	5.24E-05	0.00E+00	2.09E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	2.30E-02
166 ALL	643246.8	4249298	NonCancel	3.34E-03	3.56E-03	2.14E-02	0.00E+00	0.00E+00	6.33E-03	5.58E-05	0.00E+00	2.21E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	2.21E-02
167 ALL	643346.8	4249298	NonCancel	4.08E-03	4.33E-03	2.61E-02	0.00E+00	0.00E+00	7.41E-03	5.88E-05	0.00E+00	2.47E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	2.61E-02
168 ALL	643446.8	4249298	NonCancel	3.57E-03	3.82E-03	2.28E-02	0.00E+00	0.00E+00	6.99E-03	6.02E-05	0.00E+00	2.52E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	2.52E-02
169 ALL	643546.8	4249298	NonCancel	3.53E-03	3.76E-03	2.26E-02	0.00E+00	0.00E+00	6.63E-03	5.57E-05	0.00E+00	2.29E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	2.29E-02
170 ALL	643646.8	4249298	NonCancel	3.72E-03	3.99E-03	2.33E-02	0.00E+00	0.00E+00	7.07E-03	5.72E-05	0.00E+00	2.49E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	2.49E-02
171 ALL	643746.8	4249298	NonCancel	3.62E-03	3.89E-03	2.27E-02	0.00E+00	0.00E+00	7.14E-03	6.08E-05	0.00E+00	2.61E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	2.61E-02
172 ALL	643846.8	4249298	NonCancel	3.69E-03	3.94E-03	2.36E-02	0.00E+00	0.00E+00	6.94E-03	5.63E-05	0.00E+00	2.40E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	2.40E-02
173 ALL	643946.8	4249298	NonCancel	3.42E-03	3.67E-03	2.17E-02	0.00E+00	0.00E+00	6.71E-03	5.55E-05	0.00E+00	2.42E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	2.42E-02
174 ALL	644046.8	4249298	NonCancel	3.26E-03	3.49E-03	2.06E-02	0.00E+00	0.00E+00	6.22E-03	5.23E-05	0.00E+00	2.20E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	2.20E-02
175 ALL	644146.8	4249298	NonCancel	3.14E-03	3.34E-03	2.01E-02	0.00E+00	0.00E+00	5.82E-03	4.79E-05	0.00E+00	1.98E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	2.01E-02
176 ALL	644246.8	4249298	NonCancel	3.18E-03	3.41E-03	2.00E-02	0.00E+00	0.00E+00	6.01E-03	5.00E-05	0.00E+00	2.10E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	2.10E-02
177 ALL	644346.8	4249298	NonCancel	3.32E-03	3.56E-03	2.10E-02	0.00E+00	0.00E+00	6.25E-03	4.99E-05	0.00E+00	2.18E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	2.18E-02
178 ALL	644446.8	4249298	NonCancel	3.19E-03	3.40E-03	2.01E-02	0.00E+00	0.00E+00	5.91E-03	4.50E-05	0.00E+00	2.02E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	2.02E-02
179 ALL	644546.8	4249298	NonCancel	2.85E-03	3.05E-03	1.80E-02	0.00E+00	0.00E+00	5.39E-03	4.23E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.89E-02
180 ALL	644646.8	4249298	NonCancel	2.59E-03	2.78E-03	1.63E-02	0.00E+00	0.00E+00	4.98E-03	3.99E-05	0.00E+00	1.78E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.78E-02
181 ALL	644746.8	4249298	NonCancel	2.45E-03	2.62E-03	1.55E-02	0.00E+00	0.00E+00	4.68E-03	3.80E-05	0.00E+00	1.65E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.65E-02
182 ALL	644846.8	4249298	NonCancel	2.33E-03	2.48E-03	1.50E-02	0.00E+00	0.00E+00	4.35E-03	3.47E-05	0.00E+00	1.49E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.50E-02
183 ALL	644946.8	4249298	NonCancel	2.05E-03	2.18E-03	1.33E-02	0.00E+00	0.00E+00	3.80E-03	3.18E-05	0.00E+00	1.29E-02	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	1.33E-02
184 ALL	645046.8	4249298	NonCancel	2.04E-03	2.16E-03	1.33E-02	0.00E+00	0.00E+00	3.73E-03	3.06E-05	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	1.33E-02
185 ALL	645146.8	4249298	NonCancel	1.99E-03	2.11E-03	1.31E-02	0.00E+00	0.00E+00	3.58E-03	2.81E-05	0.00E+00	1.16E-02	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	1.31E-02
186 ALL	645246.8	4249298	NonCancel	1.80E-03	1.91E-03	1.18E-02	0.00E+00	0.00E+00	3.29E-03	2.69E-05	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	1.18E-02
187 ALL	645346.8	4249298	NonCancel	1.79E-03	1.90E-03	1.16E-02	0.00E+00	0.00E+00	3.31E-03	2.64E-05	0.00E+00	1.12E-02	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	1.16E-02
188 ALL	642446.8	4249398	NonCancel	2.71E-03	2.92E-03	1.69E-02	0.00E+00	0.00E+00	5.41E-03	4.43E-05	0.00E+00	2.00E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	2.00E-02
189 ALL	642546.8	4249398	NonCancel	2.88E-03	3.11E-03	1.78E-02	0.00E+00	0.00E+00	5.70E-03	4.69E-05	0.00E+00	2.10E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	2.10E-02
190 ALL	642646.8	4249398	NonCancel	2.88E-03	3.11E-03	1.79E-02	0.00E+00	0.00E+00	5.79E-03	4.79E-05	0.00E+00	2.16E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.16E-02
191 ALL	642746.8	4249398	NonCancel	2.91E-03	3.13E-03	1.83E-02	0.00E+00	0.00E+00	5.71E-03	5.02E-05	0.00E+00	2.08E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	2.08E-02
192 ALL	642846.8	4249398	NonCancel	3.12E-03	3.35E-03	1.97E-02	0.00E+00	0.00E+00	6.18E-03	5.55E-05	0.00E+00	2.26E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	2.26E-02
193 ALL	642946.8	4249398	NonCancel	3.38E-03	3.62E-03	2.15E-02	0.00E+00	0.00E+00	6.60E-03	5.82E-05	0.00E+00	2.38E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	2.38E-02
194 ALL	643046.8	4249398	NonCancel	3.53E-03	3.78E-03	2.28E-02	0.00E+00	0.00E+00	7.12E-03	6.36E-05	0.00E+00	2.63E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	2.63E-02
195 ALL	643146.8	4249398	NonCancel	3.89E-03	4.11E-03	2.54E-02	0.00E+00	0.00E+00	6.92E-03	5.65E-05	0.00E+00	2.23E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	2.54E-02
196 ALL	643246.8	4249398	NonCancel	3.55E-03	3.76E-03	2.33E-02	0.00E+00	0.00E+00	6.57E-03	5.79E-05	0.00E+00	2.21E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	2.33E-02
197 ALL	643346.8	4249398	NonCancel	4.31E-03	4.56E-03	2.79E-02	0.00E+00	0.00E+00	7.62E-03	6.06E-05	0.00E+00	2.45E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	2.79E-02
198 ALL	643446.8	4249398	NonCancel	3.66E-03	3.91E-03	2.37E-02	0.00E+00	0.00E+00	7.14E-03	6.29E-05	0.00E+00	2.56E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	2.56E-02
199 ALL	643546.8	4249398	NonCancel	3.79E-03	4.03E-03	2.44E-02	0.00E+00	0.00E+00	7.10E-03	6.03E-05	0.00E+00	2.45E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	2.45E-02
200 ALL	643646.8	4249398	NonCancel	4.01E-03	4.30E-03	2.53E-02	0.00E+00	0.00E+00	7.62E-03	6.24E-05	0.00E+00	2.68E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	2.68E-02
201 ALL	643746.8	4249398	NonCancel	3.88E-03	4.17E-03	2.45E-02	0.00E+00	0.00E+00	7.57E-03	6.44E-05	0.00E+00	2.73E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	2.73E-02
202 ALL	643846.8	4249398	NonCancel	4.06E-03	4.33E-03	2.62E-02	0.00E+00	0.00E+00	7.58E-03	6.10E-05	0.00E+00	2.59E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	2.62E-02
203 ALL	643946.8	4249398	NonCancel	3.54E-03	3.80E-03	2.24E-02	0.00E+00	0.00E+00	6.91E-03	5.80E-05	0.00E+00	2.49E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	2.49E-02
204 ALL	644046.8	4249398	NonCancel	3.39E-03	3.63E-03	2.16E-02	0.00E+00	0.00E+00	6.40E-03	5.35E-05	0.00E+00	2.23E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	2.23E-02
205 ALL	644146.8	4249398	NonCancel	3.42E-03	3.64E-03	2.17E-02	0.00E+00	0.00E+00	6.30E-03	5.13E-05	0.00E+00	2.14E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	2.17E-02
206 ALL	644246.8	4249398	NonCancel	3.35E-03														

207 ALL	644346.8	4249398 NonCancel	3.52E-03	3.75E-03	2.23E-02	0.00E+00	0.00E+00	6.48E-03	4.97E-05	0.00E+00	2.20E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	2.23E-02
208 ALL	644446.8	4249398 NonCancel	3.08E-03	3.29E-03	1.95E-02	0.00E+00	0.00E+00	5.77E-03	4.56E-05	0.00E+00	2.00E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	2.00E-02
209 ALL	644546.8	4249398 NonCancel	2.83E-03	3.04E-03	1.79E-02	0.00E+00	0.00E+00	5.40E-03	4.35E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.91E-02
210 ALL	644646.8	4249398 NonCancel	2.65E-03	2.84E-03	1.68E-02	0.00E+00	0.00E+00	5.05E-03	4.11E-05	0.00E+00	1.77E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.77E-02
211 ALL	644746.8	4249398 NonCancel	2.52E-03	2.68E-03	1.63E-02	0.00E+00	0.00E+00	4.70E-03	3.76E-05	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.63E-02
212 ALL	644846.8	4249398 NonCancel	2.26E-03	2.39E-03	1.47E-02	0.00E+00	0.00E+00	4.13E-03	3.44E-05	0.00E+00	1.38E-02	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	1.47E-02
213 ALL	644946.8	4249398 NonCancel	2.14E-03	2.27E-03	1.40E-02	0.00E+00	0.00E+00	3.92E-03	3.27E-05	0.00E+00	1.31E-02	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	1.40E-02
214 ALL	645046.8	4249398 NonCancel	2.09E-03	2.21E-03	1.38E-02	0.00E+00	0.00E+00	3.80E-03	3.31E-05	0.00E+00	1.25E-02	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	1.38E-02
215 ALL	645146.8	4249398 NonCancel	1.89E-03	2.00E-03	1.24E-02	0.00E+00	0.00E+00	3.49E-03	3.02E-05	0.00E+00	1.17E-02	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	1.24E-02
216 ALL	645246.8	4249398 NonCancel	1.89E-03	2.01E-03	1.23E-02	0.00E+00	0.00E+00	3.51E-03	2.84E-05	0.00E+00	1.19E-02	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	1.23E-02
217 ALL	645346.8	4249398 NonCancel	1.93E-03	2.06E-03	1.23E-02	0.00E+00	0.00E+00	3.67E-03	2.93E-05	0.00E+00	1.28E-02	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	1.28E-02
218 ALL	642446.8	4249498 NonCancel	2.58E-03	2.78E-03	1.62E-02	0.00E+00	0.00E+00	5.18E-03	4.39E-05	0.00E+00	1.93E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.93E-02
219 ALL	642546.8	4249498 NonCancel	2.95E-03	3.17E-03	1.85E-02	0.00E+00	0.00E+00	5.86E-03	4.83E-05	0.00E+00	2.16E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	2.16E-02
220 ALL	642646.8	4249498 NonCancel	3.07E-03	3.32E-03	1.92E-02	0.00E+00	0.00E+00	6.11E-03	5.11E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	2.25E-02
221 ALL	642746.8	4249498 NonCancel	3.05E-03	3.28E-03	1.91E-02	0.00E+00	0.00E+00	6.09E-03	5.22E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	2.25E-02
222 ALL	642846.8	4249498 NonCancel	3.14E-03	3.38E-03	1.99E-02	0.00E+00	0.00E+00	6.19E-03	5.60E-05	0.00E+00	2.26E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	2.26E-02
223 ALL	642946.8	4249498 NonCancel	3.36E-03	3.59E-03	2.16E-02	0.00E+00	0.00E+00	6.50E-03	6.02E-05	0.00E+00	2.32E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	2.32E-02
224 ALL	643046.8	4249498 NonCancel	3.69E-03	3.95E-03	2.40E-02	0.00E+00	0.00E+00	7.33E-03	6.52E-05	0.00E+00	2.66E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	2.66E-02
225 ALL	643146.8	4249498 NonCancel	3.91E-03	4.14E-03	2.56E-02	0.00E+00	0.00E+00	7.28E-03	6.28E-05	0.00E+00	2.47E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	2.56E-02
226 ALL	643246.8	4249498 NonCancel	3.97E-03	4.18E-03	2.64E-02	0.00E+00	0.00E+00	7.19E-03	6.23E-05	0.00E+00	2.34E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	2.64E-02
227 ALL	643346.8	4249498 NonCancel	4.37E-03	4.61E-03	2.87E-02	0.00E+00	0.00E+00	7.61E-03	6.23E-05	0.00E+00	2.38E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	2.87E-02
228 ALL	643446.8	4249498 NonCancel	3.70E-03	3.94E-03	2.42E-02	0.00E+00	0.00E+00	7.21E-03	6.56E-05	0.00E+00	2.56E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	2.56E-02
229 ALL	643546.8	4249498 NonCancel	4.07E-03	4.33E-03	2.63E-02	0.00E+00	0.00E+00	7.61E-03	6.56E-05	0.00E+00	2.61E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	2.63E-02
230 ALL	643646.8	4249498 NonCancel	4.32E-03	4.62E-03	2.74E-02	0.00E+00	0.00E+00	8.22E-03	6.90E-05	0.00E+00	2.89E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.89E-02
231 ALL	643746.8	4249498 NonCancel	4.11E-03	4.40E-03	2.61E-02	0.00E+00	0.00E+00	7.91E-03	6.69E-05	0.00E+00	2.81E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	2.81E-02
232 ALL	643846.8	4249498 NonCancel	4.44E-03	4.72E-03	2.87E-02	0.00E+00	0.00E+00	8.25E-03	6.57E-05	0.00E+00	2.80E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	2.87E-02
233 ALL	643946.8	4249498 NonCancel	3.81E-03	4.07E-03	2.42E-02	0.00E+00	0.00E+00	7.26E-03	6.20E-05	0.00E+00	2.56E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	2.56E-02
234 ALL	644046.8	4249498 NonCancel	3.57E-03	3.80E-03	2.30E-02	0.00E+00	0.00E+00	6.61E-03	5.59E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	2.30E-02
235 ALL	644146.8	4249498 NonCancel	3.60E-03	3.84E-03	2.28E-02	0.00E+00	0.00E+00	6.75E-03	5.77E-05	0.00E+00	2.34E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	2.34E-02
236 ALL	644246.8	4249498 NonCancel	3.74E-03	3.99E-03	2.38E-02	0.00E+00	0.00E+00	6.95E-03	5.58E-05	0.00E+00	2.38E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	2.38E-02
237 ALL	644346.8	4249498 NonCancel	3.47E-03	3.70E-03	2.21E-02	0.00E+00	0.00E+00	6.34E-03	4.94E-05	0.00E+00	2.13E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	2.21E-02
238 ALL	644446.8	4249498 NonCancel	3.19E-03	3.41E-03	2.02E-02	0.00E+00	0.00E+00	5.96E-03	4.77E-05	0.00E+00	2.06E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	2.06E-02
239 ALL	644546.8	4249498 NonCancel	2.88E-03	3.08E-03	1.83E-02	0.00E+00	0.00E+00	5.46E-03	4.48E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.91E-02
240 ALL	644646.8	4249498 NonCancel	2.73E-03	2.91E-03	1.77E-02	0.00E+00	0.00E+00	5.08E-03	4.10E-05	0.00E+00	1.73E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.77E-02
241 ALL	644746.8	4249498 NonCancel	2.51E-03	2.65E-03	1.64E-02	0.00E+00	0.00E+00	4.52E-03	3.75E-05	0.00E+00	1.48E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.64E-02
242 ALL	644846.8	4249498 NonCancel	2.29E-03	2.42E-03	1.51E-02	0.00E+00	0.00E+00	4.17E-03	3.51E-05	0.00E+00	1.38E-02	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	1.51E-02
243 ALL	644946.8	4249498 NonCancel	2.21E-03	2.33E-03	1.45E-02	0.00E+00	0.00E+00	4.00E-03	3.29E-05	0.00E+00	1.31E-02	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	1.45E-02
244 ALL	645046.8	4249498 NonCancel	2.06E-03	2.18E-03	1.36E-02	0.00E+00	0.00E+00	3.81E-03	3.37E-05	0.00E+00	1.28E-02	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	1.36E-02
245 ALL	645146.8	4249498 NonCancel	2.08E-03	2.21E-03	1.34E-02	0.00E+00	0.00E+00	3.89E-03	3.29E-05	0.00E+00	1.34E-02	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	1.34E-02
246 ALL	645246.8	4249498 NonCancel	2.11E-03	2.25E-03	1.34E-02	0.00E+00	0.00E+00	4.04E-03	3.29E-05	0.00E+00	1.43E-02	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.43E-02
247 ALL	645346.8	4249498 NonCancel	2.20E-03	2.36E-03	1.39E-02	0.00E+00	0.00E+00	4.21E-03	3.43E-05	0.00E+00	1.49E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.49E-02
248 ALL	642446.8	4249598 NonCancel	2.68E-03	2.87E-03	1.70E-02	0.00E+00	0.00E+00	5.16E-03	4.33E-05	0.00E+00	1.83E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.83E-02
249 ALL	642546.8	4249598 NonCancel	2.80E-03	3.01E-03	1.77E-02	0.00E+00	0.00E+00	5.61E-03	4.82E-05	0.00E+00	2.08E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	2.08E-02
250 ALL	642646.8	4249598 NonCancel	3.17E-03	3.41E-03	2.00E-02	0.00E+00	0.00E+00	6.24E-03	5.22E-05	0.00E+00	2.27E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	2.27E-02
251 ALL	642746.8	4249598 NonCancel	3.24E-03	3.48E-03	2.04E-02	0.00E+00	0.00E+00	6.44E-03	5.48E-05	0.00E+00	2.37E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	2.37E-02
252 ALL	642846.8	4249598 NonCancel	3.22E-03	3.45E-03	2.06E-02	0.00E+00	0.00E+00	6.32E-03	5.74E-05	0.00E+00	2.29E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	2.29E-02
253 ALL	642946.8	4249598 NonCancel	3.34E-03	3.58E-03	2.14E-02	0.00E+00	0.00E+00	6.60E-03	6.28E-05	0.00E+00	2.41E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	2.41E-02
254 ALL	643046.8	4249598 NonCancel	3.74E-03	3.98E-03	2.44E-02	0.00E+00	0.00E+00	7.23E-03	6.60E-05	0.00E+00	2.56E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	2.56E-02
255 ALL	643146.8	4249598 NonCancel	3.84E-03	4.08E-03	2.53E-02	0.00E+00	0.00E+00	7.49E-03	6.95E-05	0.00E+00	2.66E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	2.66E-02
256 ALL	643246.8	4249598 NonCancel	4.45E-03	4.67E-03	2.98E-02	0.00E+00	0.00E+00	7.90E-03	6.70E-05	0.00E+00	2.51E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	2.98E-02
257 ALL	643346.8	4249598 NonCancel	4.20E-03	4.41E-03	2.78E-02	0.00E+00	0.00E+00	7.32E-03	6.40E-05	0.00E+00	2.29E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	2.78E-02
258 ALL	643446.8	4249598 NonCancel	4.07E-03	4.29E-03	2.72E-02	0.00E+00	0.00E+00	7.54E-03	6.82E-05	0.00E+00	2.52E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	2.72E-02

259	ALL	643546.8	4249598	NonCancel	4.37E-03	4.64E-03	2.84E-02	0.00E+00	0.00E+00	8.17E-03	7.16E-05	0.00E+00	2.79E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	2.84E-02
260	ALL	643646.8	4249598	NonCancel	4.66E-03	4.97E-03	2.99E-02	0.00E+00	0.00E+00	8.86E-03	7.62E-05	0.00E+00	3.10E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	3.10E-02
261	ALL	643746.8	4249598	NonCancel	4.32E-03	4.61E-03	2.76E-02	0.00E+00	0.00E+00	8.26E-03	7.08E-05	0.00E+00	2.92E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.92E-02
262	ALL	643846.8	4249598	NonCancel	4.72E-03	5.01E-03	3.06E-02	0.00E+00	0.00E+00	8.76E-03	7.08E-05	0.00E+00	2.97E-02	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	3.06E-02
263	ALL	643946.8	4249598	NonCancel	4.14E-03	4.41E-03	2.65E-02	0.00E+00	0.00E+00	7.63E-03	6.46E-05	0.00E+00	2.58E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	2.65E-02
264	ALL	644046.8	4249598	NonCancel	3.90E-03	4.14E-03	2.51E-02	0.00E+00	0.00E+00	7.06E-03	5.90E-05	0.00E+00	2.34E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	2.51E-02
265	ALL	644146.8	4249598	NonCancel	3.84E-03	4.11E-03	2.45E-02	0.00E+00	0.00E+00	7.26E-03	6.25E-05	0.00E+00	2.53E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	2.53E-02
266	ALL	644246.8	4249598	NonCancel	3.91E-03	4.15E-03	2.51E-02	0.00E+00	0.00E+00	7.03E-03	5.46E-05	0.00E+00	2.32E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	2.51E-02
267	ALL	644346.8	4249598	NonCancel	3.56E-03	3.79E-03	2.27E-02	0.00E+00	0.00E+00	6.55E-03	5.22E-05	0.00E+00	2.22E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	2.27E-02
268	ALL	644446.8	4249598	NonCancel	3.13E-03	3.34E-03	1.99E-02	0.00E+00	0.00E+00	5.92E-03	4.90E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	2.07E-02
269	ALL	644546.8	4249598	NonCancel	2.96E-03	3.15E-03	1.92E-02	0.00E+00	0.00E+00	5.51E-03	4.51E-05	0.00E+00	1.87E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.92E-02
270	ALL	644646.8	4249598	NonCancel	2.81E-03	2.96E-03	1.85E-02	0.00E+00	0.00E+00	5.00E-03	4.13E-05	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.85E-02
271	ALL	644746.8	4249598	NonCancel	2.51E-03	2.65E-03	1.66E-02	0.00E+00	0.00E+00	4.50E-03	3.77E-05	0.00E+00	1.45E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.66E-02
272	ALL	644846.8	4249598	NonCancel	2.33E-03	2.47E-03	1.53E-02	0.00E+00	0.00E+00	4.27E-03	3.61E-05	0.00E+00	1.42E-02	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.53E-02
273	ALL	644946.8	4249598	NonCancel	2.23E-03	2.36E-03	1.46E-02	0.00E+00	0.00E+00	4.13E-03	3.43E-05	0.00E+00	1.39E-02	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	1.46E-02
274	ALL	645046.8	4249598	NonCancel	2.28E-03	2.43E-03	1.46E-02	0.00E+00	0.00E+00	4.31E-03	3.51E-05	0.00E+00	1.50E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.50E-02
275	ALL	645146.8	4249598	NonCancel	2.37E-03	2.54E-03	1.50E-02	0.00E+00	0.00E+00	4.52E-03	3.71E-05	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.59E-02
276	ALL	645246.8	4249598	NonCancel	2.38E-03	2.56E-03	1.49E-02	0.00E+00	0.00E+00	4.61E-03	3.79E-05	0.00E+00	1.65E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.65E-02
277	ALL	645346.8	4249598	NonCancel	2.42E-03	2.61E-03	1.50E-02	0.00E+00	0.00E+00	4.68E-03	3.75E-05	0.00E+00	1.68E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.68E-02
278	ALL	642446.8	4249698	NonCancel	2.58E-03	2.75E-03	1.66E-02	0.00E+00	0.00E+00	4.96E-03	4.36E-05	0.00E+00	1.75E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.75E-02
279	ALL	642546.8	4249698	NonCancel	2.87E-03	3.06E-03	1.83E-02	0.00E+00	0.00E+00	5.49E-03	4.69E-05	0.00E+00	1.93E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.93E-02
280	ALL	642646.8	4249698	NonCancel	3.02E-03	3.24E-03	1.93E-02	0.00E+00	0.00E+00	6.03E-03	5.28E-05	0.00E+00	2.21E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	2.21E-02
281	ALL	642746.8	4249698	NonCancel	3.39E-03	3.63E-03	2.16E-02	0.00E+00	0.00E+00	6.59E-03	5.66E-05	0.00E+00	2.37E-02	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	2.37E-02
282	ALL	642846.8	4249698	NonCancel	3.40E-03	3.64E-03	2.17E-02	0.00E+00	0.00E+00	6.70E-03	5.85E-05	0.00E+00	2.43E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	2.43E-02
283	ALL	642946.8	4249698	NonCancel	3.48E-03	3.71E-03	2.25E-02	0.00E+00	0.00E+00	6.63E-03	6.26E-05	0.00E+00	2.33E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	2.33E-02
284	ALL	643046.8	4249698	NonCancel	3.66E-03	3.89E-03	2.40E-02	0.00E+00	0.00E+00	6.98E-03	6.83E-05	0.00E+00	2.43E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	2.43E-02
285	ALL	643146.8	4249698	NonCancel	4.10E-03	4.33E-03	2.74E-02	0.00E+00	0.00E+00	7.89E-03	7.48E-05	0.00E+00	2.75E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.75E-02
286	ALL	643246.8	4249698	NonCancel	4.92E-03	5.15E-03	3.31E-02	0.00E+00	0.00E+00	8.60E-03	7.31E-05	0.00E+00	2.67E-02	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	3.31E-02
287	ALL	643346.8	4249698	NonCancel	4.44E-03	4.66E-03	2.96E-02	0.00E+00	0.00E+00	7.79E-03	7.13E-05	0.00E+00	2.45E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	2.96E-02
288	ALL	643446.8	4249698	NonCancel	4.97E-03	5.20E-03	3.35E-02	0.00E+00	0.00E+00	8.64E-03	7.45E-05	0.00E+00	2.66E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	3.35E-02
289	ALL	643546.8	4249698	NonCancel	4.75E-03	5.03E-03	3.11E-02	0.00E+00	0.00E+00	8.81E-03	7.86E-05	0.00E+00	2.98E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	3.11E-02
290	ALL	643646.8	4249698	NonCancel	5.05E-03	5.38E-03	3.27E-02	0.00E+00	0.00E+00	9.55E-03	8.38E-05	0.00E+00	3.31E-02	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	3.31E-02
291	ALL	643746.8	4249698	NonCancel	4.57E-03	4.88E-03	2.96E-02	0.00E+00	0.00E+00	8.85E-03	7.87E-05	0.00E+00	3.14E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	3.14E-02
292	ALL	643846.8	4249698	NonCancel	4.95E-03	5.26E-03	3.20E-02	0.00E+00	0.00E+00	9.10E-03	7.54E-05	0.00E+00	3.06E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	3.20E-02
293	ALL	643946.8	4249698	NonCancel	4.40E-03	4.67E-03	2.85E-02	0.00E+00	0.00E+00	7.95E-03	6.72E-05	0.00E+00	2.62E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	2.85E-02
294	ALL	644046.8	4249698	NonCancel	4.12E-03	4.38E-03	2.65E-02	0.00E+00	0.00E+00	7.62E-03	6.75E-05	0.00E+00	2.59E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	2.65E-02
295	ALL	644146.8	4249698	NonCancel	4.21E-03	4.47E-03	2.71E-02	0.00E+00	0.00E+00	7.66E-03	6.18E-05	0.00E+00	2.54E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	2.71E-02
296	ALL	644246.8	4249698	NonCancel	3.92E-03	4.16E-03	2.51E-02	0.00E+00	0.00E+00	7.13E-03	5.73E-05	0.00E+00	2.38E-02	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	2.51E-02
297	ALL	644346.8	4249698	NonCancel	3.48E-03	3.71E-03	2.23E-02	0.00E+00	0.00E+00	6.56E-03	5.44E-05	0.00E+00	2.27E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	2.27E-02
298	ALL	644446.8	4249698	NonCancel	3.20E-03	3.40E-03	2.08E-02	0.00E+00	0.00E+00	5.97E-03	5.00E-05	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.08E-02
299	ALL	644546.8	4249698	NonCancel	3.17E-03	3.33E-03	2.10E-02	0.00E+00	0.00E+00	5.57E-03	4.60E-05	0.00E+00	1.76E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	2.10E-02
300	ALL	644646.8	4249698	NonCancel	2.82E-03	2.97E-03	1.87E-02	0.00E+00	0.00E+00	4.98E-03	4.14E-05	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.87E-02
301	ALL	644746.8	4249698	NonCancel	2.49E-03	2.63E-03	1.64E-02	0.00E+00	0.00E+00	4.58E-03	3.95E-05	0.00E+00	1.53E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.64E-02
302	ALL	644846.8	4249698	NonCancel	2.48E-03	2.63E-03	1.61E-02	0.00E+00	0.00E+00	4.61E-03	3.84E-05	0.00E+00	1.57E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.61E-02
303	ALL	644946.8	4249698	NonCancel	2.59E-03	2.76E-03	1.66E-02	0.00E+00	0.00E+00	4.88E-03	3.97E-05	0.00E+00	1.69E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.69E-02
304	ALL	645046.8	4249698	NonCancel	2.61E-03	2.80E-03	1.65E-02	0.00E+00	0.00E+00	5.02E-03	4.15E-05	0.00E+00	1.78E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.78E-02
305	ALL	645146.8	4249698	NonCancel	2.62E-03	2.82E-03	1.63E-02	0.00E+00	0.00E+00	5.07E-03	4.14E-05	0.00E+00	1.82E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.82E-02
306	ALL	645246.8	4249698	NonCancel	2.60E-03	2.81E-03	1.61E-02	0.00E+00	0.00E+00	5.07E-03	4.04E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.84E-02
307	ALL	645346.8	4249698	NonCancel	2.51E-03	2.72E-03	1.54E-02	0.00E+00	0.00E+00	4.95E-03	3.85E-05	0.00E+00	1.82E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.82E-02
308	ALL	642446.8	4249798	NonCancel	2.66E-03	2.84E-03	1.71E-02	0.00E+00	0.00E+00	5.13E-03	4.54E-05	0.00E+00	1.82E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.82E-02
309	ALL	642546.8	4249798	NonCancel</															

311 ALL	642746.8	4249798	NonCancel	3.26E-03	3.48E-03	2.11E-02	0.00E+00	0.00E+00	6.46E-03	5.79E-05	0.00E+00	2.35E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	2.35E-02
312 ALL	642846.8	4249798	NonCancel	3.61E-03	3.85E-03	2.33E-02	0.00E+00	0.00E+00	6.96E-03	6.20E-05	0.00E+00	2.46E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	2.46E-02
313 ALL	642946.8	4249798	NonCancel	3.49E-03	3.72E-03	2.28E-02	0.00E+00	0.00E+00	6.86E-03	6.55E-05	0.00E+00	2.47E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	2.47E-02
314 ALL	643046.8	4249798	NonCancel	3.73E-03	3.96E-03	2.45E-02	0.00E+00	0.00E+00	7.13E-03	7.16E-05	0.00E+00	2.50E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	2.50E-02
315 ALL	643146.8	4249798	NonCancel	4.37E-03	4.63E-03	2.92E-02	0.00E+00	0.00E+00	8.42E-03	8.07E-05	0.00E+00	2.94E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.94E-02
316 ALL	643246.8	4249798	NonCancel	4.62E-03	4.86E-03	3.09E-02	0.00E+00	0.00E+00	8.47E-03	7.92E-05	0.00E+00	2.80E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	3.09E-02
317 ALL	643346.8	4249798	NonCancel	5.27E-03	5.52E-03	3.55E-02	0.00E+00	0.00E+00	9.24E-03	8.40E-05	0.00E+00	2.89E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	3.55E-02
318 ALL	643446.8	4249798	NonCancel	6.05E-03	6.31E-03	4.09E-02	0.00E+00	0.00E+00	1.01E-02	8.40E-05	0.00E+00	2.95E-02	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	4.09E-02
319 ALL	643546.8	4249798	NonCancel	5.21E-03	5.51E-03	3.44E-02	0.00E+00	0.00E+00	9.57E-03	8.66E-05	0.00E+00	3.18E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	3.44E-02
320 ALL	643646.8	4249798	NonCancel	5.48E-03	5.82E-03	3.59E-02	0.00E+00	0.00E+00	1.03E-02	9.17E-05	0.00E+00	3.50E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	3.59E-02
321 ALL	643746.8	4249798	NonCancel	5.56E-03	5.89E-03	3.65E-02	0.00E+00	0.00E+00	1.03E-02	8.82E-05	0.00E+00	3.49E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	3.65E-02
322 ALL	643846.8	4249798	NonCancel	5.13E-03	5.44E-03	3.32E-02	0.00E+00	0.00E+00	9.30E-03	8.04E-05	0.00E+00	3.08E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	3.32E-02
323 ALL	643946.8	4249798	NonCancel	4.51E-03	4.78E-03	2.93E-02	0.00E+00	0.00E+00	8.05E-03	7.02E-05	0.00E+00	2.61E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	2.93E-02
324 ALL	644046.8	4249798	NonCancel	4.47E-03	4.74E-03	2.90E-02	0.00E+00	0.00E+00	8.17E-03	7.16E-05	0.00E+00	2.73E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	2.90E-02
325 ALL	644146.8	4249798	NonCancel	4.46E-03	4.72E-03	2.88E-02	0.00E+00	0.00E+00	7.99E-03	6.46E-05	0.00E+00	2.61E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	2.88E-02
326 ALL	644246.8	4249798	NonCancel	4.05E-03	4.30E-03	2.62E-02	0.00E+00	0.00E+00	7.46E-03	6.15E-05	0.00E+00	2.51E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	2.62E-02
327 ALL	644346.8	4249798	NonCancel	3.56E-03	3.78E-03	2.32E-02	0.00E+00	0.00E+00	6.58E-03	5.59E-05	0.00E+00	2.22E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	2.32E-02
328 ALL	644446.8	4249798	NonCancel	3.62E-03	3.80E-03	2.42E-02	0.00E+00	0.00E+00	6.28E-03	5.17E-05	0.00E+00	1.93E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	2.42E-02
329 ALL	644546.8	4249798	NonCancel	3.20E-03	3.35E-03	2.13E-02	0.00E+00	0.00E+00	5.57E-03	4.59E-05	0.00E+00	1.73E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	2.13E-02
330 ALL	644646.8	4249798	NonCancel	2.74E-03	2.90E-03	1.82E-02	0.00E+00	0.00E+00	5.02E-03	4.35E-05	0.00E+00	1.66E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.82E-02
331 ALL	644746.8	4249798	NonCancel	2.81E-03	2.99E-03	1.82E-02	0.00E+00	0.00E+00	5.21E-03	4.32E-05	0.00E+00	1.76E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.82E-02
332 ALL	644846.8	4249798	NonCancel	3.01E-03	3.20E-03	1.92E-02	0.00E+00	0.00E+00	5.60E-03	4.57E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.92E-02
333 ALL	644946.8	4249798	NonCancel	2.93E-03	3.15E-03	1.85E-02	0.00E+00	0.00E+00	5.62E-03	4.65E-05	0.00E+00	1.99E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.99E-02
334 ALL	645046.8	4249798	NonCancel	2.85E-03	3.07E-03	1.77E-02	0.00E+00	0.00E+00	5.54E-03	4.49E-05	0.00E+00	2.00E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	2.00E-02
335 ALL	645146.8	4249798	NonCancel	2.75E-03	2.97E-03	1.69E-02	0.00E+00	0.00E+00	5.41E-03	4.24E-05	0.00E+00	1.98E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.98E-02
336 ALL	645246.8	4249798	NonCancel	2.75E-03	2.97E-03	1.69E-02	0.00E+00	0.00E+00	5.37E-03	4.10E-05	0.00E+00	1.96E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.96E-02
337 ALL	645346.8	4249798	NonCancel	2.62E-03	2.83E-03	1.60E-02	0.00E+00	0.00E+00	5.17E-03	4.03E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.91E-02
338 ALL	642446.8	4249898	NonCancel	2.81E-03	3.00E-03	1.82E-02	0.00E+00	0.00E+00	5.43E-03	4.77E-05	0.00E+00	1.93E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.93E-02
339 ALL	642546.8	4249898	NonCancel	2.90E-03	3.09E-03	1.88E-02	0.00E+00	0.00E+00	5.55E-03	5.00E-05	0.00E+00	1.94E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.94E-02
340 ALL	642646.8	4249898	NonCancel	3.00E-03	3.18E-03	1.96E-02	0.00E+00	0.00E+00	5.70E-03	5.27E-05	0.00E+00	1.98E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.98E-02
341 ALL	642746.8	4249898	NonCancel	3.41E-03	3.62E-03	2.24E-02	0.00E+00	0.00E+00	6.48E-03	5.81E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	2.25E-02
342 ALL	642846.8	4249898	NonCancel	3.56E-03	3.79E-03	2.34E-02	0.00E+00	0.00E+00	7.01E-03	6.47E-05	0.00E+00	2.52E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	2.52E-02
343 ALL	642946.8	4249898	NonCancel	3.77E-03	3.99E-03	2.49E-02	0.00E+00	0.00E+00	7.21E-03	6.72E-05	0.00E+00	2.51E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	2.51E-02
344 ALL	643046.8	4249898	NonCancel	3.83E-03	4.05E-03	2.54E-02	0.00E+00	0.00E+00	7.28E-03	7.45E-05	0.00E+00	2.53E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	2.54E-02
345 ALL	643146.8	4249898	NonCancel	4.30E-03	4.57E-03	2.86E-02	0.00E+00	0.00E+00	8.44E-03	8.77E-05	0.00E+00	3.01E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	3.01E-02
346 ALL	643246.8	4249898	NonCancel	5.12E-03	5.39E-03	3.44E-02	0.00E+00	0.00E+00	9.50E-03	9.23E-05	0.00E+00	3.18E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	3.44E-02
347 ALL	643346.8	4249898	NonCancel	6.62E-03	6.91E-03	4.50E-02	0.00E+00	0.00E+00	1.14E-02	9.94E-05	0.00E+00	3.46E-02	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	4.50E-02
348 ALL	643446.8	4249898	NonCancel	7.05E-03	7.34E-03	4.77E-02	0.00E+00	0.00E+00	1.16E-02	9.59E-05	0.00E+00	3.32E-02	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	4.77E-02
349 ALL	643546.8	4249898	NonCancel	5.71E-03	6.01E-03	3.81E-02	0.00E+00	0.00E+00	1.04E-02	9.59E-05	0.00E+00	3.39E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	3.81E-02
350 ALL	643646.8	4249898	NonCancel	5.97E-03	6.30E-03	3.95E-02	0.00E+00	0.00E+00	1.09E-02	9.91E-05	0.00E+00	3.63E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	3.95E-02
351 ALL	643746.8	4249898	NonCancel	6.73E-03	7.09E-03	4.46E-02	0.00E+00	0.00E+00	1.19E-02	9.64E-05	0.00E+00	3.77E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	4.46E-02
352 ALL	643846.8	4249898	NonCancel	5.59E-03	5.90E-03	3.64E-02	0.00E+00	0.00E+00	9.74E-03	8.27E-05	0.00E+00	3.07E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	3.64E-02
353 ALL	643946.8	4249898	NonCancel	4.87E-03	5.13E-03	3.21E-02	0.00E+00	0.00E+00	8.68E-03	7.99E-05	0.00E+00	2.79E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	3.21E-02
354 ALL	644046.8	4249898	NonCancel	4.85E-03	5.14E-03	3.17E-02	0.00E+00	0.00E+00	8.80E-03	7.39E-05	0.00E+00	2.90E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	3.17E-02
355 ALL	644146.8	4249898	NonCancel	4.64E-03	4.91E-03	3.03E-02	0.00E+00	0.00E+00	8.43E-03	7.01E-05	0.00E+00	2.78E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	3.03E-02
356 ALL	644246.8	4249898	NonCancel	3.99E-03	4.22E-03	2.61E-02	0.00E+00	0.00E+00	7.30E-03	6.30E-05	0.00E+00	2.43E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	2.61E-02
357 ALL	644346.8	4249898	NonCancel	4.19E-03	4.37E-03	2.82E-02	0.00E+00	0.00E+00	7.14E-03	5.87E-05	0.00E+00	2.15E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	2.82E-02
358 ALL	644446.8	4249898	NonCancel	3.65E-03	3.82E-03	2.45E-02	0.00E+00	0.00E+00	6.26E-03	5.12E-05	0.00E+00	1.90E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	2.45E-02
359 ALL	644546.8	4249898	NonCancel	3.09E-03	3.26E-03	2.05E-02	0.00E+00	0.00E+00	5.67E-03	4.91E-05	0.00E+00	1.88E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	2.05E-02
360 ALL	644646.8	4249898	NonCancel	3.23E-03	3.43E-03	2.09E-02	0.00E+00	0.00E+00	5.97E-03	4.96E-05	0.00E+00	2.02E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	2.09E-02
361 ALL	644746.8	4249898	NonCancel	3.41E-03	3.64E-03	2.19E-02	0.00E+00	0.00E+00	6.35E-03	5.24E-05	0.00E+00	2.17E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	2.19E-02
362 ALL	644846.8	4249898	NonCancel	3.25E-03	3.49E-03	2.04E-02	0.00E+00	0.00E+00	6.20									

363 ALL	644946.8	4249898	NonCancel	3.07E-03	3.31E-03	1.89E-02	0.00E+00	0.00E+00	5.98E-03	4.78E-05	0.00E+00	2.17E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	2.17E-02
364 ALL	645046.8	4249898	NonCancel	3.12E-03	3.37E-03	1.93E-02	0.00E+00	0.00E+00	5.99E-03	4.53E-05	0.00E+00	2.14E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	2.14E-02
365 ALL	645146.8	4249898	NonCancel	2.90E-03	3.14E-03	1.78E-02	0.00E+00	0.00E+00	5.68E-03	4.39E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	2.07E-02
366 ALL	645246.8	4249898	NonCancel	2.81E-03	3.04E-03	1.73E-02	0.00E+00	0.00E+00	5.48E-03	4.24E-05	0.00E+00	1.99E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.99E-02
367 ALL	645346.8	4249898	NonCancel	2.65E-03	2.86E-03	1.63E-02	0.00E+00	0.00E+00	5.16E-03	3.97E-05	0.00E+00	1.88E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.88E-02
368 ALL	642446.8	4249998	NonCancel	2.80E-03	2.99E-03	1.82E-02	0.00E+00	0.00E+00	5.48E-03	5.12E-05	0.00E+00	1.97E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.97E-02
369 ALL	642546.8	4249998	NonCancel	2.98E-03	3.17E-03	1.94E-02	0.00E+00	0.00E+00	5.78E-03	5.35E-05	0.00E+00	2.05E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	2.05E-02
370 ALL	642646.8	4249998	NonCancel	3.23E-03	3.43E-03	2.13E-02	0.00E+00	0.00E+00	6.10E-03	5.58E-05	0.00E+00	2.10E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.13E-02
371 ALL	642746.8	4249998	NonCancel	3.33E-03	3.52E-03	2.20E-02	0.00E+00	0.00E+00	6.22E-03	5.88E-05	0.00E+00	2.11E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	2.20E-02
372 ALL	642846.8	4249998	NonCancel	3.78E-03	3.99E-03	2.52E-02	0.00E+00	0.00E+00	7.13E-03	6.58E-05	0.00E+00	2.43E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	2.52E-02
373 ALL	642946.8	4249998	NonCancel	3.97E-03	4.20E-03	2.66E-02	0.00E+00	0.00E+00	7.66E-03	7.25E-05	0.00E+00	2.67E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	2.67E-02
374 ALL	643046.8	4249998	NonCancel	4.07E-03	4.28E-03	2.75E-02	0.00E+00	0.00E+00	7.64E-03	7.43E-05	0.00E+00	2.59E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	2.75E-02
375 ALL	643146.8	4249998	NonCancel	4.59E-03	4.85E-03	3.05E-02	0.00E+00	0.00E+00	8.70E-03	9.16E-05	0.00E+00	3.00E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	3.05E-02
376 ALL	643246.8	4249998	NonCancel	5.49E-03	5.79E-03	3.74E-02	0.00E+00	0.00E+00	1.07E-02	1.10E-04	0.00E+00	3.78E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	3.78E-02
377 ALL	643346.8	4249998	NonCancel	7.21E-03	7.52E-03	4.95E-02	0.00E+00	0.00E+00	1.28E-02	1.15E-04	0.00E+00	4.01E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	4.95E-02
378 ALL	643446.8	4249998	NonCancel	7.53E-03	7.86E-03	5.08E-02	0.00E+00	0.00E+00	1.28E-02	1.12E-04	0.00E+00	3.84E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	5.08E-02
379 ALL	643546.8	4249998	NonCancel	6.45E-03	6.78E-03	4.32E-02	0.00E+00	0.00E+00	1.17E-02	1.11E-04	0.00E+00	3.83E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	4.32E-02
380 ALL	643646.8	4249998	NonCancel	6.63E-03	6.97E-03	4.42E-02	0.00E+00	0.00E+00	1.18E-02	1.07E-04	0.00E+00	3.79E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	4.42E-02
381 ALL	643746.8	4249998	NonCancel	7.97E-03	8.33E-03	5.30E-02	0.00E+00	0.00E+00	1.32E-02	1.05E-04	0.00E+00	3.84E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	5.30E-02
382 ALL	643846.8	4249998	NonCancel	6.20E-03	6.50E-03	4.11E-02	0.00E+00	0.00E+00	1.05E-02	9.08E-05	0.00E+00	3.18E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	4.11E-02
383 ALL	643946.8	4249998	NonCancel	5.45E-03	5.74E-03	3.63E-02	0.00E+00	0.00E+00	9.85E-03	8.79E-05	0.00E+00	3.21E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	3.63E-02
384 ALL	644046.8	4249998	NonCancel	5.79E-03	6.08E-03	3.83E-02	0.00E+00	0.00E+00	1.00E-02	8.09E-05	0.00E+00	3.09E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	3.83E-02
385 ALL	644146.8	4249998	NonCancel	4.51E-03	4.76E-03	2.97E-02	0.00E+00	0.00E+00	8.26E-03	7.33E-05	0.00E+00	2.74E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	2.97E-02
386 ALL	644246.8	4249998	NonCancel	5.00E-03	5.22E-03	3.38E-02	0.00E+00	0.00E+00	8.45E-03	6.90E-05	0.00E+00	2.50E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	3.38E-02
387 ALL	644346.8	4249998	NonCancel	4.27E-03	4.46E-03	2.88E-02	0.00E+00	0.00E+00	7.24E-03	5.95E-05	0.00E+00	2.16E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	2.88E-02
388 ALL	644446.8	4249998	NonCancel	3.53E-03	3.72E-03	2.34E-02	0.00E+00	0.00E+00	6.47E-03	5.61E-05	0.00E+00	2.15E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	2.34E-02
389 ALL	644546.8	4249998	NonCancel	3.91E-03	4.14E-03	2.54E-02	0.00E+00	0.00E+00	7.07E-03	5.87E-05	0.00E+00	2.33E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	2.54E-02
390 ALL	644646.8	4249998	NonCancel	3.74E-03	3.99E-03	2.38E-02	0.00E+00	0.00E+00	6.99E-03	5.88E-05	0.00E+00	2.41E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	2.41E-02
391 ALL	644746.8	4249998	NonCancel	3.54E-03	3.80E-03	2.22E-02	0.00E+00	0.00E+00	6.73E-03	5.47E-05	0.00E+00	2.37E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	2.37E-02
392 ALL	644846.8	4249998	NonCancel	3.58E-03	3.85E-03	2.24E-02	0.00E+00	0.00E+00	6.71E-03	5.07E-05	0.00E+00	2.33E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	2.33E-02
393 ALL	644946.8	4249998	NonCancel	3.35E-03	3.61E-03	2.08E-02	0.00E+00	0.00E+00	6.41E-03	4.90E-05	0.00E+00	2.28E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	2.28E-02
394 ALL	645046.8	4249998	NonCancel	3.15E-03	3.39E-03	1.95E-02	0.00E+00	0.00E+00	6.06E-03	4.63E-05	0.00E+00	2.17E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.17E-02
395 ALL	645146.8	4249998	NonCancel	2.92E-03	3.15E-03	1.81E-02	0.00E+00	0.00E+00	5.67E-03	4.37E-05	0.00E+00	2.05E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	2.05E-02
396 ALL	645246.8	4249998	NonCancel	2.66E-03	2.87E-03	1.65E-02	0.00E+00	0.00E+00	5.26E-03	4.11E-05	0.00E+00	1.93E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.93E-02
397 ALL	645346.8	4249998	NonCancel	2.51E-03	2.70E-03	1.56E-02	0.00E+00	0.00E+00	4.93E-03	3.86E-05	0.00E+00	1.80E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.80E-02
398 ALL	642446.8	4250098	NonCancel	2.61E-03	2.79E-03	1.69E-02	0.00E+00	0.00E+00	5.19E-03	4.92E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.89E-02
399 ALL	642546.8	4250098	NonCancel	2.91E-03	3.10E-03	1.91E-02	0.00E+00	0.00E+00	5.78E-03	5.59E-05	0.00E+00	2.09E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.09E-02
400 ALL	642646.8	4250098	NonCancel	3.16E-03	3.35E-03	2.09E-02	0.00E+00	0.00E+00	6.13E-03	5.99E-05	0.00E+00	2.16E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	2.16E-02
401 ALL	642746.8	4250098	NonCancel	3.56E-03	3.76E-03	2.37E-02	0.00E+00	0.00E+00	6.65E-03	6.26E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	2.37E-02
402 ALL	642846.8	4250098	NonCancel	3.67E-03	3.87E-03	2.47E-02	0.00E+00	0.00E+00	6.88E-03	6.80E-05	0.00E+00	2.33E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	2.47E-02
403 ALL	642946.8	4250098	NonCancel	4.21E-03	4.42E-03	2.87E-02	0.00E+00	0.00E+00	7.87E-03	7.58E-05	0.00E+00	2.64E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	2.87E-02
404 ALL	643046.8	4250098	NonCancel	4.54E-03	4.76E-03	3.10E-02	0.00E+00	0.00E+00	8.48E-03	8.42E-05	0.00E+00	2.84E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	3.10E-02
405 ALL	643146.8	4250098	NonCancel	5.13E-03	5.40E-03	3.44E-02	0.00E+00	0.00E+00	9.59E-03	1.00E-04	0.00E+00	3.25E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	3.44E-02
406 ALL	643246.8	4250098	NonCancel	5.45E-03	5.76E-03	3.74E-02	0.00E+00	0.00E+00	1.12E-02	1.24E-04	0.00E+00	4.14E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	4.14E-02
407 ALL	643346.8	4250098	NonCancel	6.90E-03	7.23E-03	4.78E-02	0.00E+00	0.00E+00	1.32E-02	1.34E-04	0.00E+00	4.53E-02	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	4.78E-02
408 ALL	643446.8	4250098	NonCancel	9.10E-03	9.50E-03	6.13E-02	0.00E+00	0.00E+00	1.54E-02	1.35E-04	0.00E+00	4.62E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	6.13E-02
409 ALL	643546.8	4250098	NonCancel	8.13E-03	8.53E-03	5.45E-02	0.00E+00	0.00E+00	1.44E-02	1.32E-04	0.00E+00	4.56E-02	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	5.45E-02
410 ALL	643646.8	4250098	NonCancel	7.75E-03	8.14E-03	5.20E-02	0.00E+00	0.00E+00	1.40E-02	1.28E-04	0.00E+00	4.52E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	5.20E-02
411 ALL	643746.8	4250098	NonCancel	8.98E-03	9.34E-03	6.00E-02	0.00E+00	0.00E+00	1.42E-02	1.14E-04	0.00E+00	3.83E-02	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	6.00E-02
412 ALL	643846.8	4250098	NonCancel	6.85E-03	7.19E-03	4.58E-02	0.00E+00	0.00E+00	1.21E-02	1.12E-04	0.00E+00	3.82E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	4.58E-02
413 ALL	643946.8	4250098	NonCancel	6.18E-03	6.48E-03	4.12E-02	0.00E+00	0.00E+00	1.08E-02	9.38E-05	0.00E+00	3.40E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	4.12E-02
414 ALL	644046.8	4250098	NonCancel	5.32E-03	5.60E-03	3.56E-02	0.00E+00	0.00E+00	9.64									

415 ALL	644146.8	4250098	NonCancel	6.10E-03	6.35E-03	4.13E-02	0.00E+00	0.00E+00	1.02E-02	8.31E-05	0.00E+00	2.98E-02	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	4.13E-02
416 ALL	644246.8	4250098	NonCancel	5.23E-03	5.45E-03	3.54E-02	0.00E+00	0.00E+00	8.82E-03	7.20E-05	0.00E+00	2.60E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	3.54E-02
417 ALL	644346.8	4250098	NonCancel	4.20E-03	4.42E-03	2.78E-02	0.00E+00	0.00E+00	7.51E-03	6.45E-05	0.00E+00	2.42E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	2.78E-02
418 ALL	644446.8	4250098	NonCancel	4.69E-03	4.95E-03	3.07E-02	0.00E+00	0.00E+00	8.26E-03	6.81E-05	0.00E+00	2.62E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	3.07E-02
419 ALL	644546.8	4250098	NonCancel	4.12E-03	4.39E-03	2.62E-02	0.00E+00	0.00E+00	7.63E-03	6.38E-05	0.00E+00	2.61E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	2.62E-02
420 ALL	644646.8	4250098	NonCancel	4.14E-03	4.42E-03	2.62E-02	0.00E+00	0.00E+00	7.57E-03	5.79E-05	0.00E+00	2.55E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	2.62E-02
421 ALL	644746.8	4250098	NonCancel	3.93E-03	4.21E-03	2.47E-02	0.00E+00	0.00E+00	7.27E-03	5.53E-05	0.00E+00	2.49E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	2.49E-02
422 ALL	644846.8	4250098	NonCancel	3.55E-03	3.81E-03	2.22E-02	0.00E+00	0.00E+00	6.73E-03	5.19E-05	0.00E+00	2.37E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	2.37E-02
423 ALL	644946.8	4250098	NonCancel	3.25E-03	3.49E-03	2.03E-02	0.00E+00	0.00E+00	6.28E-03	4.90E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	2.25E-02
424 ALL	645046.8	4250098	NonCancel	2.96E-03	3.18E-03	1.85E-02	0.00E+00	0.00E+00	5.78E-03	4.56E-05	0.00E+00	2.09E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	2.09E-02
425 ALL	645146.8	4250098	NonCancel	2.74E-03	2.94E-03	1.72E-02	0.00E+00	0.00E+00	5.33E-03	4.20E-05	0.00E+00	1.92E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.92E-02
426 ALL	645246.8	4250098	NonCancel	2.63E-03	2.83E-03	1.65E-02	0.00E+00	0.00E+00	5.08E-03	3.97E-05	0.00E+00	1.81E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.81E-02
427 ALL	645346.8	4250098	NonCancel	2.51E-03	2.70E-03	1.56E-02	0.00E+00	0.00E+00	4.85E-03	3.80E-05	0.00E+00	1.74E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.74E-02
428 ALL	642446.8	4250198	NonCancel	2.53E-03	2.70E-03	1.68E-02	0.00E+00	0.00E+00	5.12E-03	4.56E-05	0.00E+00	1.87E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.87E-02
429 ALL	642546.8	4250198	NonCancel	2.75E-03	2.93E-03	1.83E-02	0.00E+00	0.00E+00	5.55E-03	5.29E-05	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	2.03E-02
430 ALL	642646.8	4250198	NonCancel	3.01E-03	3.20E-03	1.99E-02	0.00E+00	0.00E+00	5.96E-03	6.02E-05	0.00E+00	2.15E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	2.15E-02
431 ALL	642746.8	4250198	NonCancel	3.53E-03	3.74E-03	2.36E-02	0.00E+00	0.00E+00	6.91E-03	7.00E-05	0.00E+00	2.46E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	2.46E-02
432 ALL	642846.8	4250198	NonCancel	3.98E-03	4.20E-03	2.66E-02	0.00E+00	0.00E+00	7.50E-03	7.32E-05	0.00E+00	2.56E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	2.66E-02
433 ALL	642946.8	4250198	NonCancel	4.48E-03	4.70E-03	3.04E-02	0.00E+00	0.00E+00	8.32E-03	8.31E-05	0.00E+00	2.78E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	3.04E-02
434 ALL	643046.8	4250198	NonCancel	4.86E-03	5.08E-03	3.38E-02	0.00E+00	0.00E+00	9.11E-03	9.19E-05	0.00E+00	3.04E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	3.38E-02
435 ALL	643146.8	4250198	NonCancel	6.05E-03	6.36E-03	4.08E-02	0.00E+00	0.00E+00	1.12E-02	1.10E-04	0.00E+00	3.70E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	4.08E-02
436 ALL	643246.8	4250198	NonCancel	6.41E-03	6.76E-03	4.35E-02	0.00E+00	0.00E+00	1.24E-02	1.36E-04	0.00E+00	4.33E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	4.35E-02
437 ALL	643346.8	4250198	NonCancel	6.97E-03	7.31E-03	4.87E-02	0.00E+00	0.00E+00	1.38E-02	1.57E-04	0.00E+00	4.90E-02	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	4.90E-02
438 ALL	643446.8	4250198	NonCancel	1.25E-02	1.30E-02	8.48E-02	0.00E+00	0.00E+00	2.03E-02	1.68E-04	0.00E+00	5.69E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	8.48E-02
439 ALL	643546.8	4250198	NonCancel	1.17E-02	1.22E-02	7.95E-02	0.00E+00	0.00E+00	1.99E-02	1.69E-04	0.00E+00	5.91E-02	0.00E+00	0.00E+00	7.72E-03	0.00E+00	0.00E+00	7.95E-02
440 ALL	643646.8	4250198	NonCancel	9.52E-03	1.00E-02	6.37E-02	0.00E+00	0.00E+00	1.70E-02	1.54E-04	0.00E+00	5.43E-02	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	6.37E-02
441 ALL	643746.8	4250198	NonCancel	1.02E-02	1.06E-02	6.84E-02	0.00E+00	0.00E+00	1.69E-02	1.42E-04	0.00E+00	4.91E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	6.84E-02
442 ALL	643846.8	4250198	NonCancel	7.44E-03	7.82E-03	4.97E-02	0.00E+00	0.00E+00	1.35E-02	1.23E-04	0.00E+00	4.42E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	4.97E-02
443 ALL	643946.8	4250198	NonCancel	7.91E-03	8.26E-03	5.33E-02	0.00E+00	0.00E+00	1.35E-02	1.12E-04	0.00E+00	4.05E-02	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	5.33E-02
444 ALL	644046.8	4250198	NonCancel	7.53E-03	7.83E-03	5.12E-02	0.00E+00	0.00E+00	1.25E-02	1.02E-04	0.00E+00	3.59E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	5.12E-02
445 ALL	644146.8	4250198	NonCancel	6.55E-03	6.81E-03	4.45E-02	0.00E+00	0.00E+00	1.09E-02	8.70E-05	0.00E+00	3.12E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	4.45E-02
446 ALL	644246.8	4250198	NonCancel	5.09E-03	5.33E-03	3.40E-02	0.00E+00	0.00E+00	8.88E-03	7.84E-05	0.00E+00	2.77E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	3.40E-02
447 ALL	644346.8	4250198	NonCancel	5.33E-03	5.61E-03	3.50E-02	0.00E+00	0.00E+00	9.21E-03	7.61E-05	0.00E+00	2.85E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	3.50E-02
448 ALL	644446.8	4250198	NonCancel	4.80E-03	5.09E-03	3.09E-02	0.00E+00	0.00E+00	8.56E-03	6.74E-05	0.00E+00	2.78E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	3.09E-02
449 ALL	644546.8	4250198	NonCancel	4.72E-03	5.01E-03	3.03E-02	0.00E+00	0.00E+00	8.42E-03	6.40E-05	0.00E+00	2.74E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	3.03E-02
450 ALL	644646.8	4250198	NonCancel	4.02E-03	4.29E-03	2.55E-02	0.00E+00	0.00E+00	7.53E-03	5.96E-05	0.00E+00	2.60E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	2.60E-02
451 ALL	644746.8	4250198	NonCancel	3.61E-03	3.87E-03	2.30E-02	0.00E+00	0.00E+00	6.92E-03	5.53E-05	0.00E+00	2.45E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	2.45E-02
452 ALL	644846.8	4250198	NonCancel	3.29E-03	3.52E-03	2.09E-02	0.00E+00	0.00E+00	6.33E-03	5.10E-05	0.00E+00	2.24E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	2.24E-02
453 ALL	644946.8	4250198	NonCancel	3.25E-03	3.48E-03	2.06E-02	0.00E+00	0.00E+00	6.13E-03	4.78E-05	0.00E+00	2.13E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	2.13E-02
454 ALL	645046.8	4250198	NonCancel	3.06E-03	3.28E-03	1.93E-02	0.00E+00	0.00E+00	5.81E-03	4.50E-05	0.00E+00	2.04E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	2.04E-02
455 ALL	645146.8	4250198	NonCancel	2.82E-03	3.04E-03	1.77E-02	0.00E+00	0.00E+00	5.49E-03	4.32E-05	0.00E+00	1.98E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.98E-02
456 ALL	645246.8	4250198	NonCancel	2.65E-03	2.86E-03	1.65E-02	0.00E+00	0.00E+00	5.23E-03	4.16E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.91E-02
457 ALL	645346.8	4250198	NonCancel	2.54E-03	2.74E-03	1.58E-02	0.00E+00	0.00E+00	5.02E-03	4.00E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.84E-02
458 ALL	642446.8	4250298	NonCancel	2.51E-03	2.66E-03	1.66E-02	0.00E+00	0.00E+00	4.88E-03	4.37E-05	0.00E+00	1.72E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.72E-02
459 ALL	642546.8	4250298	NonCancel	2.68E-03	2.84E-03	1.81E-02	0.00E+00	0.00E+00	5.31E-03	4.89E-05	0.00E+00	1.90E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.90E-02
460 ALL	642646.8	4250298	NonCancel	2.94E-03	3.11E-03	1.99E-02	0.00E+00	0.00E+00	5.93E-03	5.57E-05	0.00E+00	2.15E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	2.15E-02
461 ALL	642746.8	4250298	NonCancel	3.32E-03	3.52E-03	2.23E-02	0.00E+00	0.00E+00	6.69E-03	6.79E-05	0.00E+00	2.44E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	2.44E-02
462 ALL	642846.8	4250298	NonCancel	3.73E-03	3.96E-03	2.51E-02	0.00E+00	0.00E+00	7.49E-03	8.09E-05	0.00E+00	2.73E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	2.73E-02
463 ALL	642946.8	4250298	NonCancel	4.56E-03	4.81E-03	3.09E-02	0.00E+00	0.00E+00	8.73E-03	9.07E-05	0.00E+00	3.01E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	3.09E-02
464 ALL	643046.8	4250298	NonCancel	5.36E-03	5.61E-03	3.68E-02	0.00E+00	0.00E+00	1.01E-02	1.05E-04	0.00E+00	3.40E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	3.68E-02
465 ALL	643146.8	4250298	NonCancel	6.28E-03	6.53E-03	4.43E-02	0.00E+00	0.00E+00	1.16E-02	1.21E-04	0.00E+00	3.80E-02	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	4.43E-02
466 ALL	643246.8	4250298	NonCancel	8.54E-03	9.00E-03	5.68E-02	0.00E+00	0.00E+00	1.55									

467 ALL	643346.8	4250298	NonCancel	8.43E-03	8.81E-03	6.06E-02	0.00E+00	0.00E+00	1.74E-02	2.03E-04	0.00E+00	6.36E-02	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00	6.36E-02
468 ALL	643446.8	4250298	NonCancel	1.31E-02	1.37E-02	8.79E-02	0.00E+00	0.00E+00	2.33E-02	2.21E-04	0.00E+00	7.48E-02	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00	8.79E-02
469 ALL	643546.8	4250298	NonCancel	1.81E-02	1.88E-02	1.23E-01	0.00E+00	0.00E+00	2.95E-02	2.29E-04	0.00E+00	8.25E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.23E-01
470 ALL	643646.8	4250298	NonCancel	1.24E-02	1.30E-02	8.26E-02	0.00E+00	0.00E+00	2.13E-02	1.93E-04	0.00E+00	6.53E-02	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	8.26E-02
471 ALL	643746.8	4250298	NonCancel	1.19E-02	1.24E-02	7.99E-02	0.00E+00	0.00E+00	2.06E-02	1.80E-04	0.00E+00	6.33E-02	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00	7.99E-02
472 ALL	643846.8	4250298	NonCancel	1.11E-02	1.16E-02	7.55E-02	0.00E+00	0.00E+00	1.87E-02	1.52E-04	0.00E+00	5.48E-02	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	7.55E-02
473 ALL	643946.8	4250298	NonCancel	9.43E-03	9.79E-03	6.44E-02	0.00E+00	0.00E+00	1.56E-02	1.29E-04	0.00E+00	4.46E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	6.44E-02
474 ALL	644046.8	4250298	NonCancel	8.69E-03	9.02E-03	5.90E-02	0.00E+00	0.00E+00	1.40E-02	1.08E-04	0.00E+00	3.87E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	5.90E-02
475 ALL	644146.8	4250298	NonCancel	7.07E-03	7.35E-03	4.79E-02	0.00E+00	0.00E+00	1.14E-02	9.51E-05	0.00E+00	3.18E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	4.79E-02
476 ALL	644246.8	4250298	NonCancel	5.53E-03	5.81E-03	3.66E-02	0.00E+00	0.00E+00	9.65E-03	8.17E-05	0.00E+00	3.02E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	3.66E-02
477 ALL	644346.8	4250298	NonCancel	5.87E-03	6.16E-03	3.88E-02	0.00E+00	0.00E+00	9.95E-03	7.53E-05	0.00E+00	2.99E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	3.88E-02
478 ALL	644446.8	4250298	NonCancel	4.60E-03	4.88E-03	2.99E-02	0.00E+00	0.00E+00	8.43E-03	6.88E-05	0.00E+00	2.81E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	2.99E-02
479 ALL	644546.8	4250298	NonCancel	4.17E-03	4.44E-03	2.69E-02	0.00E+00	0.00E+00	7.86E-03	6.45E-05	0.00E+00	2.72E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	2.72E-02
480 ALL	644646.8	4250298	NonCancel	4.18E-03	4.44E-03	2.68E-02	0.00E+00	0.00E+00	7.68E-03	6.04E-05	0.00E+00	2.59E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	2.68E-02
481 ALL	644746.8	4250298	NonCancel	3.96E-03	4.21E-03	2.53E-02	0.00E+00	0.00E+00	7.27E-03	5.65E-05	0.00E+00	2.45E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	2.53E-02
482 ALL	644846.8	4250298	NonCancel	3.49E-03	3.73E-03	2.21E-02	0.00E+00	0.00E+00	6.67E-03	5.34E-05	0.00E+00	2.36E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	2.36E-02
483 ALL	644946.8	4250298	NonCancel	3.27E-03	3.51E-03	2.07E-02	0.00E+00	0.00E+00	6.30E-03	5.01E-05	0.00E+00	2.24E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	2.24E-02
484 ALL	645046.8	4250298	NonCancel	3.07E-03	3.30E-03	1.93E-02	0.00E+00	0.00E+00	5.92E-03	4.67E-05	0.00E+00	2.11E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	2.11E-02
485 ALL	645146.8	4250298	NonCancel	2.86E-03	3.07E-03	1.79E-02	0.00E+00	0.00E+00	5.54E-03	4.37E-05	0.00E+00	1.99E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.99E-02
486 ALL	645246.8	4250298	NonCancel	2.71E-03	2.92E-03	1.70E-02	0.00E+00	0.00E+00	5.26E-03	4.14E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.89E-02
487 ALL	645346.8	4250298	NonCancel	2.58E-03	2.78E-03	1.61E-02	0.00E+00	0.00E+00	5.00E-03	3.93E-05	0.00E+00	1.80E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.80E-02
488 ALL	642446.8	4250398	NonCancel	2.68E-03	2.85E-03	1.75E-02	0.00E+00	0.00E+00	5.20E-03	4.61E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.84E-02
489 ALL	642546.8	4250398	NonCancel	2.77E-03	2.94E-03	1.83E-02	0.00E+00	0.00E+00	5.41E-03	4.96E-05	0.00E+00	1.92E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.92E-02
490 ALL	642646.8	4250398	NonCancel	2.94E-03	3.11E-03	1.97E-02	0.00E+00	0.00E+00	5.62E-03	5.29E-05	0.00E+00	1.94E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.97E-02
491 ALL	642746.8	4250398	NonCancel	3.18E-03	3.36E-03	2.17E-02	0.00E+00	0.00E+00	6.31E-03	6.13E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	2.25E-02
492 ALL	642846.8	4250398	NonCancel	3.79E-03	4.02E-03	2.55E-02	0.00E+00	0.00E+00	7.80E-03	7.69E-05	0.00E+00	2.90E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.90E-02
493 ALL	642946.8	4250398	NonCancel	4.75E-03	5.04E-03	3.17E-02	0.00E+00	0.00E+00	9.55E-03	9.99E-05	0.00E+00	3.49E-02	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	3.49E-02
494 ALL	643046.8	4250398	NonCancel	5.40E-03	5.73E-03	3.63E-02	0.00E+00	0.00E+00	1.09E-02	1.22E-04	0.00E+00	4.02E-02	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	4.02E-02
495 ALL	643146.8	4250398	NonCancel	6.27E-03	6.56E-03	4.41E-02	0.00E+00	0.00E+00	1.23E-02	1.40E-04	0.00E+00	4.29E-02	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	4.41E-02
496 ALL	643246.8	4250398	NonCancel	8.60E-03	8.90E-03	6.13E-02	0.00E+00	0.00E+00	1.56E-02	1.68E-04	0.00E+00	4.97E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	6.13E-02
497 ALL	643346.8	4250398	NonCancel	1.27E-02	1.34E-02	8.65E-02	0.00E+00	0.00E+00	2.48E-02	2.68E-04	0.00E+00	8.77E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	8.77E-02
498 ALL	643446.8	4250398	NonCancel	1.36E-02	1.44E-02	9.28E-02	0.00E+00	0.00E+00	2.94E-02	3.29E-04	0.00E+00	1.14E-01	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	1.14E-01
499 ALL	643546.8	4250398	NonCancel	2.36E-02	2.45E-02	1.62E-01	0.00E+00	0.00E+00	3.94E-02	3.18E-04	0.00E+00	1.14E-01	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	1.62E-01
500 ALL	643646.8	4250398	NonCancel	1.70E-02	1.78E-02	1.15E-01	0.00E+00	0.00E+00	3.02E-02	2.74E-04	0.00E+00	9.57E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	1.15E-01
501 ALL	643746.8	4250398	NonCancel	1.56E-02	1.63E-02	1.06E-01	0.00E+00	0.00E+00	2.67E-02	2.24E-04	0.00E+00	8.05E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.06E-01
502 ALL	643846.8	4250398	NonCancel	1.14E-02	1.18E-02	7.88E-02	0.00E+00	0.00E+00	1.95E-02	1.73E-04	0.00E+00	5.81E-02	0.00E+00	0.00E+00	7.72E-03	0.00E+00	0.00E+00	7.88E-02
503 ALL	643946.8	4250398	NonCancel	1.24E-02	1.28E-02	8.41E-02	0.00E+00	0.00E+00	1.93E-02	1.46E-04	0.00E+00	5.01E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	8.41E-02
504 ALL	644046.8	4250398	NonCancel	9.72E-03	1.00E-02	6.63E-02	0.00E+00	0.00E+00	1.50E-02	1.14E-04	0.00E+00	3.84E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	6.63E-02
505 ALL	644146.8	4250398	NonCancel	8.16E-03	8.47E-03	5.52E-02	0.00E+00	0.00E+00	1.31E-02	9.70E-05	0.00E+00	3.56E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	5.52E-02
506 ALL	644246.8	4250398	NonCancel	6.26E-03	6.58E-03	4.14E-02	0.00E+00	0.00E+00	1.09E-02	8.74E-05	0.00E+00	3.41E-02	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	4.14E-02
507 ALL	644346.8	4250398	NonCancel	5.64E-03	5.96E-03	3.69E-02	0.00E+00	0.00E+00	1.00E-02	8.01E-05	0.00E+00	3.23E-02	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	3.69E-02
508 ALL	644446.8	4250398	NonCancel	5.52E-03	5.82E-03	3.59E-02	0.00E+00	0.00E+00	9.62E-03	7.30E-05	0.00E+00	3.03E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	3.59E-02
509 ALL	644546.8	4250398	NonCancel	4.67E-03	4.96E-03	3.01E-02	0.00E+00	0.00E+00	8.55E-03	6.77E-05	0.00E+00	2.86E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	3.01E-02
510 ALL	644646.8	4250398	NonCancel	4.31E-03	4.59E-03	2.77E-02	0.00E+00	0.00E+00	7.92E-03	6.20E-05	0.00E+00	2.67E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	2.77E-02
511 ALL	644746.8	4250398	NonCancel	3.85E-03	4.11E-03	2.45E-02	0.00E+00	0.00E+00	7.19E-03	5.68E-05	0.00E+00	2.47E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	2.47E-02
512 ALL	644846.8	4250398	NonCancel	3.47E-03	3.71E-03	2.20E-02	0.00E+00	0.00E+00	6.61E-03	5.33E-05	0.00E+00	2.33E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	2.33E-02
513 ALL	644946.8	4250398	NonCancel	3.24E-03	3.47E-03	2.05E-02	0.00E+00	0.00E+00	6.18E-03	4.95E-05	0.00E+00	2.18E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	2.18E-02
514 ALL	645046.8	4250398	NonCancel	3.04E-03	3.25E-03	1.93E-02	0.00E+00	0.00E+00	5.79E-03	4.61E-05	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.03E-02
515 ALL	645146.8	4250398	NonCancel	2.95E-03	3.15E-03	1.86E-02	0.00E+00	0.00E+00	5.56E-03	4.35E-05	0.00E+00	1.94E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.94E-02
516 ALL	645246.8	4250398	NonCancel	2.84E-03	3.05E-03	1.79E-02	0.00E+00	0.00E+00	5.37E-03	4.15E-05	0.00E+00	1.87E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.87E-02
517 ALL	645346.8	4250398	NonCancel	2.71E-03	2.91E-03	1.69E-02	0.00E+00	0.00E+00	5.16E-03	4.00E-05	0.00E+00	1.82E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.82E-02
518 ALL	642446.8	4250498	NonCancel	2.98E-03														

519 ALL	642546.8	4250498	NonCancel	3.14E-03	3.36E-03	2.03E-02	0.00E+00	0.00E+00	6.15E-03	5.47E-05	0.00E+00	2.21E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	2.21E-02
520 ALL	642646.8	4250498	NonCancel	3.35E-03	3.57E-03	2.17E-02	0.00E+00	0.00E+00	6.50E-03	5.91E-05	0.00E+00	2.31E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	2.31E-02
521 ALL	642746.8	4250498	NonCancel	3.60E-03	3.83E-03	2.38E-02	0.00E+00	0.00E+00	7.03E-03	6.59E-05	0.00E+00	2.50E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	2.50E-02
522 ALL	642846.8	4250498	NonCancel	3.85E-03	4.07E-03	2.59E-02	0.00E+00	0.00E+00	7.51E-03	7.38E-05	0.00E+00	2.65E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	2.65E-02
523 ALL	642946.8	4250498	NonCancel	4.16E-03	4.37E-03	2.85E-02	0.00E+00	0.00E+00	7.95E-03	8.26E-05	0.00E+00	2.73E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.85E-02
524 ALL	643046.8	4250498	NonCancel	5.25E-03	5.57E-03	3.56E-02	0.00E+00	0.00E+00	1.07E-02	1.12E-04	0.00E+00	3.91E-02	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	3.91E-02
525 ALL	643146.8	4250498	NonCancel	7.43E-03	7.87E-03	4.95E-02	0.00E+00	0.00E+00	1.44E-02	1.61E-04	0.00E+00	5.13E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	5.13E-02
526 ALL	643246.8	4250498	NonCancel	8.36E-03	8.85E-03	5.88E-02	0.00E+00	0.00E+00	1.85E-02	2.27E-04	0.00E+00	7.21E-02	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	7.21E-02
527 ALL	643346.8	4250498	NonCancel	1.35E-02	1.39E-02	9.67E-02	0.00E+00	0.00E+00	2.50E-02	2.85E-04	0.00E+00	8.17E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	9.67E-02
528 ALL	643446.8	4250498	NonCancel	1.89E-02	1.96E-02	1.41E-01	0.00E+00	0.00E+00	4.12E-02	4.92E-04	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	1.56E-01
529 ALL	643546.8	4250498	NonCancel	3.99E-02	4.12E-02	2.74E-01	0.00E+00	0.00E+00	6.14E-02	4.62E-04	0.00E+00	1.55E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.74E-01
530 ALL	643646.8	4250498	NonCancel	3.47E-02	3.58E-02	2.38E-01	0.00E+00	0.00E+00	5.42E-02	3.91E-04	0.00E+00	1.40E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	2.38E-01
531 ALL	643746.8	4250498	NonCancel	2.67E-02	2.74E-02	1.85E-01	0.00E+00	0.00E+00	3.91E-02	2.65E-04	0.00E+00	8.88E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	1.85E-01
532 ALL	643846.8	4250498	NonCancel	1.86E-02	1.90E-02	1.29E-01	0.00E+00	0.00E+00	2.69E-02	1.92E-04	0.00E+00	5.95E-02	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	1.29E-01
533 ALL	643946.8	4250498	NonCancel	1.38E-02	1.42E-02	9.38E-02	0.00E+00	0.00E+00	2.11E-02	1.50E-04	0.00E+00	5.29E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	9.38E-02
534 ALL	644046.8	4250498	NonCancel	9.49E-03	9.84E-03	6.44E-02	0.00E+00	0.00E+00	1.52E-02	1.18E-04	0.00E+00	4.16E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	6.44E-02
535 ALL	644146.8	4250498	NonCancel	8.81E-03	9.16E-03	5.91E-02	0.00E+00	0.00E+00	1.41E-02	1.03E-04	0.00E+00	3.86E-02	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	5.91E-02
536 ALL	644246.8	4250498	NonCancel	7.01E-03	7.35E-03	4.63E-02	0.00E+00	0.00E+00	1.18E-02	9.04E-05	0.00E+00	3.49E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	4.63E-02
537 ALL	644346.8	4250498	NonCancel	6.15E-03	6.47E-03	4.03E-02	0.00E+00	0.00E+00	1.05E-02	8.10E-05	0.00E+00	3.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	4.03E-02
538 ALL	644446.8	4250498	NonCancel	4.97E-03	5.26E-03	3.23E-02	0.00E+00	0.00E+00	8.99E-03	7.28E-05	0.00E+00	2.96E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	3.23E-02
539 ALL	644546.8	4250498	NonCancel	4.77E-03	5.04E-03	3.10E-02	0.00E+00	0.00E+00	8.45E-03	6.57E-05	0.00E+00	2.71E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	3.10E-02
540 ALL	644646.8	4250498	NonCancel	4.48E-03	4.73E-03	2.91E-02	0.00E+00	0.00E+00	7.84E-03	5.96E-05	0.00E+00	2.48E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	2.91E-02
541 ALL	644746.8	4250498	NonCancel	4.20E-03	4.45E-03	2.70E-02	0.00E+00	0.00E+00	7.45E-03	5.61E-05	0.00E+00	2.41E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	2.70E-02
542 ALL	644846.8	4250498	NonCancel	3.86E-03	4.11E-03	2.47E-02	0.00E+00	0.00E+00	7.04E-03	5.35E-05	0.00E+00	2.35E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	2.47E-02
543 ALL	644946.8	4250498	NonCancel	3.51E-03	3.76E-03	2.22E-02	0.00E+00	0.00E+00	6.60E-03	5.14E-05	0.00E+00	2.29E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	2.29E-02
544 ALL	645046.8	4250498	NonCancel	3.18E-03	3.42E-03	1.99E-02	0.00E+00	0.00E+00	6.16E-03	4.92E-05	0.00E+00	2.21E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	2.21E-02
545 ALL	645146.8	4250498	NonCancel	3.01E-03	3.24E-03	1.87E-02	0.00E+00	0.00E+00	5.88E-03	4.70E-05	0.00E+00	2.13E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	2.13E-02
546 ALL	645246.8	4250498	NonCancel	2.89E-03	3.11E-03	1.79E-02	0.00E+00	0.00E+00	5.65E-03	4.47E-05	0.00E+00	2.05E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.05E-02
547 ALL	645346.8	4250498	NonCancel	2.77E-03	2.99E-03	1.71E-02	0.00E+00	0.00E+00	5.42E-03	4.25E-05	0.00E+00	1.98E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.98E-02
548 ALL	642446.8	4250598	NonCancel	3.24E-03	3.47E-03	2.07E-02	0.00E+00	0.00E+00	6.41E-03	5.46E-05	0.00E+00	2.33E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	2.33E-02
549 ALL	642546.8	4250598	NonCancel	3.49E-03	3.73E-03	2.24E-02	0.00E+00	0.00E+00	6.88E-03	5.95E-05	0.00E+00	2.49E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	2.49E-02
550 ALL	642646.8	4250598	NonCancel	3.76E-03	4.01E-03	2.43E-02	0.00E+00	0.00E+00	7.38E-03	6.55E-05	0.00E+00	2.66E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	2.66E-02
551 ALL	642746.8	4250598	NonCancel	4.04E-03	4.31E-03	2.64E-02	0.00E+00	0.00E+00	7.91E-03	7.24E-05	0.00E+00	2.83E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.83E-02
552 ALL	642846.8	4250598	NonCancel	4.33E-03	4.60E-03	2.85E-02	0.00E+00	0.00E+00	8.42E-03	8.03E-05	0.00E+00	2.99E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.99E-02
553 ALL	642946.8	4250598	NonCancel	4.62E-03	4.89E-03	3.10E-02	0.00E+00	0.00E+00	9.05E-03	9.27E-05	0.00E+00	3.22E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	3.22E-02
554 ALL	643046.8	4250598	NonCancel	5.02E-03	5.28E-03	3.46E-02	0.00E+00	0.00E+00	9.79E-03	1.08E-04	0.00E+00	3.43E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	3.46E-02
555 ALL	643146.8	4250598	NonCancel	5.62E-03	5.85E-03	3.95E-02	0.00E+00	0.00E+00	1.05E-02	1.26E-04	0.00E+00	3.50E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	3.95E-02
556 ALL	643246.8	4250598	NonCancel	7.83E-03	8.19E-03	5.62E-02	0.00E+00	0.00E+00	1.62E-02	2.01E-04	0.00E+00	5.92E-02	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	5.92E-02
557 ALL	643346.8	4250598	NonCancel	1.18E-02	1.23E-02	8.85E-02	0.00E+00	0.00E+00	2.84E-02	4.03E-04	0.00E+00	1.17E-01	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	1.17E-01
558 ALL	643746.8	4250598	NonCancel	4.46E-02	4.55E-02	3.06E-01	0.00E+00	0.00E+00	6.02E-02	3.22E-04	0.00E+00	1.13E-01	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	3.06E-01
559 ALL	643846.8	4250598	NonCancel	2.21E-02	2.28E-02	1.51E-01	0.00E+00	0.00E+00	3.30E-02	2.22E-04	0.00E+00	7.88E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.51E-01
560 ALL	643946.8	4250598	NonCancel	1.57E-02	1.62E-02	1.07E-01	0.00E+00	0.00E+00	2.39E-02	1.67E-04	0.00E+00	5.97E-02	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00	1.07E-01
561 ALL	644046.8	4250598	NonCancel	1.11E-02	1.15E-02	7.55E-02	0.00E+00	0.00E+00	1.75E-02	1.29E-04	0.00E+00	4.65E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	7.55E-02
562 ALL	644146.8	4250598	NonCancel	9.45E-03	9.78E-03	6.40E-02	0.00E+00	0.00E+00	1.45E-02	1.03E-04	0.00E+00	3.68E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	6.40E-02
563 ALL	644246.8	4250598	NonCancel	7.53E-03	7.82E-03	5.08E-02	0.00E+00	0.00E+00	1.18E-02	8.67E-05	0.00E+00	3.14E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	5.08E-02
564 ALL	644346.8	4250598	NonCancel	5.99E-03	6.26E-03	4.01E-02	0.00E+00	0.00E+00	9.99E-03	7.77E-05	0.00E+00	2.91E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	4.01E-02
565 ALL	644446.8	4250598	NonCancel	4.95E-03	5.22E-03	3.25E-02	0.00E+00	0.00E+00	8.87E-03	7.24E-05	0.00E+00	2.87E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	3.25E-02
566 ALL	644546.8	4250598	NonCancel	4.50E-03	4.78E-03	2.92E-02	0.00E+00	0.00E+00	8.31E-03	6.78E-05	0.00E+00	2.79E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	2.92E-02
567 ALL	644646.8	4250598	NonCancel	4.16E-03	4.43E-03	2.67E-02	0.00E+00	0.00E+00	7.82E-03	6.35E-05	0.00E+00	2.70E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	2.70E-02
568 ALL	644746.8	4250598	NonCancel	3.87E-03	4.14E-03	2.47E-02	0.00E+00	0.00E+00	7.38E-03	5.96E-05	0.00E+00	2.59E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	2.59E-02
569 ALL	644846.8	4250598	NonCancel	3.64E-03	3.90E-03	2.30E-02	0.00E+00	0.00E+00	7.00E-03	5.61E-05	0.00E+00	2.49E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	2.49E-02
570 ALL	644946.8	4250598	NonCancel	3.44E-03														

571 ALL	645046.8	4250598	NonCancel	3.22E-03	3.46E-03	2.01E-02	0.00E+00	0.00E+00	6.28E-03	4.97E-05	0.00E+00	2.27E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	2.27E-02
572 ALL	645146.8	4250598	NonCancel	3.05E-03	3.29E-03	1.90E-02	0.00E+00	0.00E+00	5.97E-03	4.71E-05	0.00E+00	2.17E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	2.17E-02
573 ALL	645246.8	4250598	NonCancel	2.91E-03	3.14E-03	1.81E-02	0.00E+00	0.00E+00	5.71E-03	4.50E-05	0.00E+00	2.08E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.08E-02
574 ALL	645346.8	4250598	NonCancel	2.76E-03	2.98E-03	1.71E-02	0.00E+00	0.00E+00	5.44E-03	4.26E-05	0.00E+00	1.99E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.99E-02
575 ALL	642446.8	4250698	NonCancel	3.19E-03	3.42E-03	2.04E-02	0.00E+00	0.00E+00	6.23E-03	5.28E-05	0.00E+00	2.24E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	2.24E-02
576 ALL	642546.8	4250698	NonCancel	3.41E-03	3.65E-03	2.19E-02	0.00E+00	0.00E+00	6.69E-03	5.81E-05	0.00E+00	2.41E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	2.41E-02
577 ALL	642646.8	4250698	NonCancel	3.71E-03	3.96E-03	2.40E-02	0.00E+00	0.00E+00	7.26E-03	6.45E-05	0.00E+00	2.60E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	2.60E-02
578 ALL	642746.8	4250698	NonCancel	4.04E-03	4.30E-03	2.65E-02	0.00E+00	0.00E+00	7.93E-03	7.26E-05	0.00E+00	2.83E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.83E-02
579 ALL	642846.8	4250698	NonCancel	4.43E-03	4.70E-03	2.95E-02	0.00E+00	0.00E+00	8.70E-03	8.29E-05	0.00E+00	3.10E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	3.10E-02
580 ALL	642946.8	4250698	NonCancel	4.84E-03	5.11E-03	3.29E-02	0.00E+00	0.00E+00	9.54E-03	9.64E-05	0.00E+00	3.39E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	3.39E-02
581 ALL	643046.8	4250698	NonCancel	5.67E-03	5.98E-03	3.89E-02	0.00E+00	0.00E+00	1.14E-02	1.21E-04	0.00E+00	4.13E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	4.13E-02
582 ALL	643146.8	4250698	NonCancel	7.01E-03	7.42E-03	4.81E-02	0.00E+00	0.00E+00	1.46E-02	1.64E-04	0.00E+00	5.49E-02	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	5.49E-02
583 ALL	643246.8	4250698	NonCancel	9.79E-03	1.05E-02	6.59E-02	0.00E+00	0.00E+00	2.13E-02	2.48E-04	0.00E+00	8.32E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	8.32E-02
584 ALL	643346.8	4250698	NonCancel	1.49E-02	1.60E-02	1.03E-01	0.00E+00	0.00E+00	3.61E-02	4.61E-04	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.52E-01
585 ALL	643746.8	4250698	NonCancel	6.13E-02	6.19E-02	4.27E-01	0.00E+00	0.00E+00	7.42E-02	3.05E-04	0.00E+00	9.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	4.27E-01
586 ALL	643846.8	4250698	NonCancel	2.81E-02	2.86E-02	1.94E-01	0.00E+00	0.00E+00	3.79E-02	2.14E-04	0.00E+00	7.05E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	1.94E-01
587 ALL	643946.8	4250698	NonCancel	1.72E-02	1.76E-02	1.18E-01	0.00E+00	0.00E+00	2.44E-02	1.57E-04	0.00E+00	5.23E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.18E-01
588 ALL	644046.8	4250698	NonCancel	1.19E-02	1.22E-02	8.21E-02	0.00E+00	0.00E+00	1.74E-02	1.20E-04	0.00E+00	3.95E-02	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	8.21E-02
589 ALL	644146.8	4250698	NonCancel	9.17E-03	9.45E-03	6.28E-02	0.00E+00	0.00E+00	1.39E-02	9.97E-05	0.00E+00	3.41E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	6.28E-02
590 ALL	644246.8	4250698	NonCancel	7.39E-03	7.64E-03	5.03E-02	0.00E+00	0.00E+00	1.15E-02	8.46E-05	0.00E+00	2.96E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	5.03E-02
591 ALL	644346.8	4250698	NonCancel	6.20E-03	6.43E-03	4.19E-02	0.00E+00	0.00E+00	9.86E-03	7.39E-05	0.00E+00	2.67E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	4.19E-02
592 ALL	644446.8	4250698	NonCancel	5.49E-03	5.73E-03	3.65E-02	0.00E+00	0.00E+00	9.02E-03	6.80E-05	0.00E+00	2.59E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	3.65E-02
593 ALL	644546.8	4250698	NonCancel	4.93E-03	5.18E-03	3.25E-02	0.00E+00	0.00E+00	8.36E-03	6.34E-05	0.00E+00	2.52E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	3.25E-02
594 ALL	644646.8	4250698	NonCancel	4.48E-03	4.73E-03	2.92E-02	0.00E+00	0.00E+00	7.81E-03	5.96E-05	0.00E+00	2.45E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	2.92E-02
595 ALL	644746.8	4250698	NonCancel	4.11E-03	4.35E-03	2.66E-02	0.00E+00	0.00E+00	7.32E-03	5.62E-05	0.00E+00	2.37E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	2.66E-02
596 ALL	644846.8	4250698	NonCancel	3.79E-03	4.03E-03	2.43E-02	0.00E+00	0.00E+00	6.89E-03	5.32E-05	0.00E+00	2.29E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	2.43E-02
597 ALL	644946.8	4250698	NonCancel	3.52E-03	3.75E-03	2.24E-02	0.00E+00	0.00E+00	6.49E-03	5.00E-05	0.00E+00	2.20E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	2.24E-02
598 ALL	645046.8	4250698	NonCancel	3.28E-03	3.50E-03	2.08E-02	0.00E+00	0.00E+00	6.13E-03	4.73E-05	0.00E+00	2.12E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	2.12E-02
599 ALL	645146.8	4250698	NonCancel	3.07E-03	3.28E-03	1.93E-02	0.00E+00	0.00E+00	5.81E-03	4.48E-05	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	2.03E-02
600 ALL	645246.8	4250698	NonCancel	2.88E-03	3.09E-03	1.81E-02	0.00E+00	0.00E+00	5.51E-03	4.25E-05	0.00E+00	1.95E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.95E-02
601 ALL	645346.8	4250698	NonCancel	2.71E-03	2.91E-03	1.69E-02	0.00E+00	0.00E+00	5.23E-03	4.04E-05	0.00E+00	1.87E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.87E-02
602 ALL	642446.8	4250798	NonCancel	2.92E-03	3.12E-03	1.88E-02	0.00E+00	0.00E+00	5.66E-03	4.92E-05	0.00E+00	2.01E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	2.01E-02
603 ALL	642546.8	4250798	NonCancel	3.12E-03	3.32E-03	2.02E-02	0.00E+00	0.00E+00	6.01E-03	5.33E-05	0.00E+00	2.12E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	2.12E-02
604 ALL	642646.8	4250798	NonCancel	3.31E-03	3.52E-03	2.17E-02	0.00E+00	0.00E+00	6.39E-03	5.83E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	2.25E-02
605 ALL	642746.8	4250798	NonCancel	3.54E-03	3.75E-03	2.34E-02	0.00E+00	0.00E+00	6.85E-03	6.50E-05	0.00E+00	2.41E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	2.41E-02
606 ALL	642846.8	4250798	NonCancel	3.95E-03	4.20E-03	2.62E-02	0.00E+00	0.00E+00	7.69E-03	7.54E-05	0.00E+00	2.72E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	2.72E-02
607 ALL	642946.8	4250798	NonCancel	4.54E-03	4.82E-03	3.03E-02	0.00E+00	0.00E+00	8.93E-03	9.10E-05	0.00E+00	3.19E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	3.19E-02
608 ALL	643046.8	4250798	NonCancel	5.70E-03	6.04E-03	3.82E-02	0.00E+00	0.00E+00	1.13E-02	1.16E-04	0.00E+00	4.07E-02	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	4.07E-02
609 ALL	643146.8	4250798	NonCancel	7.67E-03	8.13E-03	5.18E-02	0.00E+00	0.00E+00	1.55E-02	1.62E-04	0.00E+00	5.69E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	5.69E-02
610 ALL	643246.8	4250798	NonCancel	9.95E-03	1.06E-02	6.80E-02	0.00E+00	0.00E+00	2.17E-02	2.40E-04	0.00E+00	8.43E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	8.43E-02
611 ALL	643746.8	4250798	NonCancel	5.03E-02	5.12E-02	3.47E-01	0.00E+00	0.00E+00	6.39E-02	2.94E-04	0.00E+00	9.82E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	3.47E-01
612 ALL	643846.8	4250798	NonCancel	2.06E-02	2.11E-02	1.40E-01	0.00E+00	0.00E+00	3.00E-02	2.04E-04	0.00E+00	6.88E-02	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.40E-01
613 ALL	643946.8	4250798	NonCancel	1.41E-02	1.45E-02	9.60E-02	0.00E+00	0.00E+00	2.14E-02	1.58E-04	0.00E+00	5.34E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	9.60E-02
614 ALL	644046.8	4250798	NonCancel	1.10E-02	1.14E-02	7.45E-02	0.00E+00	0.00E+00	1.67E-02	1.23E-04	0.00E+00	4.19E-02	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	7.45E-02
615 ALL	644146.8	4250798	NonCancel	8.23E-03	8.54E-03	5.56E-02	0.00E+00	0.00E+00	1.31E-02	1.02E-04	0.00E+00	3.53E-02	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	5.56E-02
616 ALL	644246.8	4250798	NonCancel	6.93E-03	7.19E-03	4.70E-02	0.00E+00	0.00E+00	1.11E-02	8.56E-05	0.00E+00	3.06E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	4.70E-02
617 ALL	644346.8	4250798	NonCancel	5.63E-03	5.85E-03	3.83E-02	0.00E+00	0.00E+00	9.27E-03	7.32E-05	0.00E+00	2.63E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	3.83E-02
618 ALL	644446.8	4250798	NonCancel	4.75E-03	4.94E-03	3.22E-02	0.00E+00	0.00E+00	7.96E-03	6.43E-05	0.00E+00	2.33E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	3.22E-02
619 ALL	644546.8	4250798	NonCancel	4.22E-03	4.40E-03	2.85E-02	0.00E+00	0.00E+00	7.16E-03	5.76E-05	0.00E+00	2.13E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	2.85E-02
620 ALL	644646.8	4250798	NonCancel	3.85E-03	4.04E-03	2.57E-02	0.00E+00	0.00E+00	6.69E-03	5.35E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	2.57E-02
621 ALL	644746.8	4250798	NonCancel	3.52E-03	3.71E-03	2.33E-02	0.00E+00	0.00E+00	6.31E-03	5.09E-05	0.00E+00	2.04E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	2.33E-02
622 ALL	644846.8	4250798	NonCancel	3.29E-03	3.48E-03	2.16E-02	0.00E+00	0.00E+00	6.02									

623 ALL	644946.8	4250798	NonCancel	3.10E-03	3.29E-03	2.02E-02	0.00E+00	0.00E+00	5.76E-03	4.62E-05	0.00E+00	1.95E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	2.02E-02
624 ALL	645046.8	4250798	NonCancel	2.93E-03	3.11E-03	1.90E-02	0.00E+00	0.00E+00	5.51E-03	4.39E-05	0.00E+00	1.90E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.90E-02
625 ALL	645146.8	4250798	NonCancel	2.77E-03	2.95E-03	1.78E-02	0.00E+00	0.00E+00	5.27E-03	4.19E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.84E-02
626 ALL	645246.8	4250798	NonCancel	2.62E-03	2.80E-03	1.68E-02	0.00E+00	0.00E+00	5.04E-03	4.00E-05	0.00E+00	1.78E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.78E-02
627 ALL	645346.8	4250798	NonCancel	2.48E-03	2.66E-03	1.59E-02	0.00E+00	0.00E+00	4.82E-03	3.82E-05	0.00E+00	1.72E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.72E-02
628 ALL	642446.8	4250898	NonCancel	2.77E-03	2.95E-03	1.79E-02	0.00E+00	0.00E+00	5.28E-03	4.60E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.84E-02
629 ALL	642546.8	4250898	NonCancel	2.85E-03	3.02E-03	1.87E-02	0.00E+00	0.00E+00	5.36E-03	4.81E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.87E-02
630 ALL	642646.8	4250898	NonCancel	3.08E-03	3.27E-03	2.03E-02	0.00E+00	0.00E+00	5.92E-03	5.46E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	2.07E-02
631 ALL	642746.8	4250898	NonCancel	3.45E-03	3.66E-03	2.29E-02	0.00E+00	0.00E+00	6.77E-03	6.45E-05	0.00E+00	2.41E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	2.41E-02
632 ALL	642846.8	4250898	NonCancel	3.98E-03	4.23E-03	2.66E-02	0.00E+00	0.00E+00	7.90E-03	7.67E-05	0.00E+00	2.84E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.84E-02
633 ALL	642946.8	4250898	NonCancel	4.66E-03	4.95E-03	3.09E-02	0.00E+00	0.00E+00	9.25E-03	9.10E-05	0.00E+00	3.34E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	3.34E-02
634 ALL	643046.8	4250898	NonCancel	5.62E-03	5.98E-03	3.76E-02	0.00E+00	0.00E+00	1.14E-02	1.15E-04	0.00E+00	4.18E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	4.18E-02
635 ALL	643146.8	4250898	NonCancel	7.06E-03	7.50E-03	4.75E-02	0.00E+00	0.00E+00	1.46E-02	1.62E-04	0.00E+00	5.46E-02	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	5.46E-02
636 ALL	643246.8	4250898	NonCancel	1.04E-02	1.10E-02	7.03E-02	0.00E+00	0.00E+00	2.01E-02	2.12E-04	0.00E+00	7.04E-02	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	7.04E-02
637 ALL	643346.8	4250898	NonCancel	1.46E-02	1.53E-02	1.03E-01	0.00E+00	0.00E+00	3.06E-02	3.25E-04	0.00E+00	1.14E-01	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	1.14E-01
638 ALL	643446.8	4250898	NonCancel	1.95E-02	2.04E-02	1.38E-01	0.00E+00	0.00E+00	3.99E-02	4.67E-04	0.00E+00	1.45E-01	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	1.45E-01
639 ALL	643546.8	4250898	NonCancel	3.79E-02	3.86E-02	2.68E-01	0.00E+00	0.00E+00	5.59E-02	4.28E-04	0.00E+00	1.28E-01	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	2.68E-01
640 ALL	643646.8	4250898	NonCancel	3.72E-02	3.80E-02	2.58E-01	0.00E+00	0.00E+00	5.36E-02	3.71E-04	0.00E+00	1.18E-01	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.58E-01
641 ALL	643746.8	4250898	NonCancel	3.06E-02	3.13E-02	2.11E-01	0.00E+00	0.00E+00	4.35E-02	2.86E-04	0.00E+00	9.29E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.11E-01
642 ALL	643846.8	4250898	NonCancel	2.19E-02	2.24E-02	1.50E-01	0.00E+00	0.00E+00	3.16E-02	2.09E-04	0.00E+00	6.99E-02	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00	1.50E-01
643 ALL	643946.8	4250898	NonCancel	1.54E-02	1.58E-02	1.05E-01	0.00E+00	0.00E+00	2.21E-02	1.41E-04	0.00E+00	4.89E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	1.05E-01
644 ALL	644046.8	4250898	NonCancel	8.45E-03	8.80E-03	5.71E-02	0.00E+00	0.00E+00	1.40E-02	1.15E-04	0.00E+00	4.01E-02	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	5.71E-02
645 ALL	644146.8	4250898	NonCancel	7.80E-03	8.09E-03	5.28E-02	0.00E+00	0.00E+00	1.24E-02	9.53E-05	0.00E+00	3.37E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	5.28E-02
646 ALL	644246.8	4250898	NonCancel	6.04E-03	6.30E-03	4.05E-02	0.00E+00	0.00E+00	9.99E-03	8.13E-05	0.00E+00	2.88E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	4.05E-02
647 ALL	644346.8	4250898	NonCancel	5.26E-03	5.49E-03	3.54E-02	0.00E+00	0.00E+00	8.80E-03	7.21E-05	0.00E+00	2.57E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	3.54E-02
648 ALL	644446.8	4250898	NonCancel	4.61E-03	4.80E-03	3.12E-02	0.00E+00	0.00E+00	7.71E-03	6.28E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	3.12E-02
649 ALL	644546.8	4250898	NonCancel	3.89E-03	4.07E-03	2.62E-02	0.00E+00	0.00E+00	6.74E-03	5.72E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.62E-02
650 ALL	644646.8	4250898	NonCancel	3.51E-03	3.68E-03	2.35E-02	0.00E+00	0.00E+00	6.11E-03	5.17E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	2.35E-02
651 ALL	644746.8	4250898	NonCancel	3.20E-03	3.35E-03	2.14E-02	0.00E+00	0.00E+00	5.56E-03	4.65E-05	0.00E+00	1.72E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	2.14E-02
652 ALL	644846.8	4250898	NonCancel	2.97E-03	3.11E-03	1.98E-02	0.00E+00	0.00E+00	5.18E-03	4.26E-05	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.98E-02
653 ALL	644946.8	4250898	NonCancel	2.73E-03	2.87E-03	1.82E-02	0.00E+00	0.00E+00	4.84E-03	3.95E-05	0.00E+00	1.54E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.82E-02
654 ALL	645046.8	4250898	NonCancel	2.52E-03	2.66E-03	1.66E-02	0.00E+00	0.00E+00	4.56E-03	3.74E-05	0.00E+00	1.49E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.66E-02
655 ALL	645146.8	4250898	NonCancel	2.32E-03	2.45E-03	1.52E-02	0.00E+00	0.00E+00	4.30E-03	3.57E-05	0.00E+00	1.45E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.52E-02
656 ALL	645246.8	4250898	NonCancel	2.26E-03	2.41E-03	1.47E-02	0.00E+00	0.00E+00	4.29E-03	3.53E-05	0.00E+00	1.49E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.49E-02
657 ALL	645346.8	4250898	NonCancel	2.21E-03	2.36E-03	1.43E-02	0.00E+00	0.00E+00	4.26E-03	3.48E-05	0.00E+00	1.50E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.50E-02
658 ALL	642446.8	4250998	NonCancel	2.77E-03	2.96E-03	1.80E-02	0.00E+00	0.00E+00	5.37E-03	4.69E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.91E-02
659 ALL	642546.8	4250998	NonCancel	2.95E-03	3.14E-03	1.93E-02	0.00E+00	0.00E+00	5.74E-03	5.10E-05	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	2.03E-02
660 ALL	642646.8	4250998	NonCancel	3.18E-03	3.38E-03	2.10E-02	0.00E+00	0.00E+00	6.19E-03	5.62E-05	0.00E+00	2.19E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	2.19E-02
661 ALL	642746.8	4250998	NonCancel	3.52E-03	3.72E-03	2.34E-02	0.00E+00	0.00E+00	6.71E-03	6.16E-05	0.00E+00	2.32E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	2.34E-02
662 ALL	642846.8	4250998	NonCancel	3.87E-03	4.10E-03	2.59E-02	0.00E+00	0.00E+00	7.46E-03	7.08E-05	0.00E+00	2.60E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	2.60E-02
663 ALL	642946.8	4250998	NonCancel	4.48E-03	4.76E-03	2.99E-02	0.00E+00	0.00E+00	9.14E-03	9.53E-05	0.00E+00	3.39E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	3.39E-02
664 ALL	643046.8	4250998	NonCancel	5.72E-03	6.05E-03	3.84E-02	0.00E+00	0.00E+00	1.12E-02	1.13E-04	0.00E+00	3.95E-02	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	3.95E-02
665 ALL	643146.8	4250998	NonCancel	7.03E-03	7.42E-03	4.69E-02	0.00E+00	0.00E+00	1.33E-02	1.35E-04	0.00E+00	4.59E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	4.69E-02
666 ALL	643246.8	4250998	NonCancel	9.19E-03	9.67E-03	6.23E-02	0.00E+00	0.00E+00	1.74E-02	1.73E-04	0.00E+00	5.95E-02	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00	6.23E-02
667 ALL	643346.8	4250998	NonCancel	1.14E-02	1.20E-02	7.97E-02	0.00E+00	0.00E+00	2.44E-02	2.88E-04	0.00E+00	9.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	9.26E-02
668 ALL	643446.8	4250998	NonCancel	1.92E-02	1.98E-02	1.34E-01	0.00E+00	0.00E+00	3.19E-02	2.97E-04	0.00E+00	9.10E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	1.34E-01
669 ALL	643546.8	4250998	NonCancel	2.24E-02	2.29E-02	1.57E-01	0.00E+00	0.00E+00	3.47E-02	2.86E-04	0.00E+00	8.76E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	1.57E-01
670 ALL	643646.8	4250998	NonCancel	2.25E-02	2.31E-02	1.56E-01	0.00E+00	0.00E+00	3.45E-02	2.68E-04	0.00E+00	8.63E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	1.56E-01
671 ALL	643746.8	4250998	NonCancel	1.94E-02	2.00E-02	1.34E-01	0.00E+00	0.00E+00	2.96E-02	2.24E-04	0.00E+00	7.34E-02	0.00E+00	0.00E+00	9.69E-03	0.00E+00	0.00E+00	1.34E-01
672 ALL	643846.8	4250998	NonCancel	1.62E-02	1.66E-02	1.11E-01	0.00E+00	0.00E+00	2.45E-02	1.87E-04	0.00E+00	6.07E-02	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	1.11E-01
673 ALL	643946.8	4250998	NonCancel	1.30E-02	1.34E-02	8.91E-02	0.00E+00	0.00E+00	2.00E-02	1.48E-04	0.00E+00	5.03E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	8.91E-02
674 ALL	644046.8	4250998	NonCancel	1.08E-02	1.11E-02	7.36E-02	0.00E+00	0.00E+00	1.65									

675 ALL	644146.8	4250998 NonCancel	8.48E-03	8.77E-03	5.74E-02	0.00E+00	0.00E+00	1.30E-02	9.11E-05	0.00E+00	3.28E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	5.74E-02
676 ALL	644246.8	4250998 NonCancel	5.18E-03	5.42E-03	3.48E-02	0.00E+00	0.00E+00	9.07E-03	7.81E-05	0.00E+00	2.83E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	3.48E-02
677 ALL	644346.8	4250998 NonCancel	4.90E-03	5.12E-03	3.31E-02	0.00E+00	0.00E+00	8.35E-03	6.86E-05	0.00E+00	2.51E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	3.31E-02
678 ALL	644446.8	4250998 NonCancel	4.34E-03	4.53E-03	2.93E-02	0.00E+00	0.00E+00	7.36E-03	5.99E-05	0.00E+00	2.19E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	2.93E-02
679 ALL	644546.8	4250998 NonCancel	3.68E-03	3.86E-03	2.46E-02	0.00E+00	0.00E+00	6.39E-03	5.38E-05	0.00E+00	1.98E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.46E-02
680 ALL	644646.8	4250998 NonCancel	3.48E-03	3.65E-03	2.31E-02	0.00E+00	0.00E+00	6.02E-03	4.96E-05	0.00E+00	1.86E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	2.31E-02
681 ALL	644746.8	4250998 NonCancel	3.32E-03	3.49E-03	2.21E-02	0.00E+00	0.00E+00	5.78E-03	4.69E-05	0.00E+00	1.79E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	2.21E-02
682 ALL	644846.8	4250998 NonCancel	3.12E-03	3.28E-03	2.07E-02	0.00E+00	0.00E+00	5.45E-03	4.38E-05	0.00E+00	1.70E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	2.07E-02
683 ALL	644946.8	4250998 NonCancel	2.93E-03	3.08E-03	1.95E-02	0.00E+00	0.00E+00	5.12E-03	4.05E-05	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.95E-02
684 ALL	645046.8	4250998 NonCancel	2.72E-03	2.86E-03	1.80E-02	0.00E+00	0.00E+00	4.76E-03	3.79E-05	0.00E+00	1.49E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.80E-02
685 ALL	645146.8	4250998 NonCancel	2.54E-03	2.68E-03	1.67E-02	0.00E+00	0.00E+00	4.50E-03	3.59E-05	0.00E+00	1.44E-02	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.67E-02
686 ALL	645246.8	4250998 NonCancel	2.44E-03	2.58E-03	1.58E-02	0.00E+00	0.00E+00	4.43E-03	3.57E-05	0.00E+00	1.47E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.58E-02
687 ALL	645346.8	4250998 NonCancel	2.32E-03	2.47E-03	1.49E-02	0.00E+00	0.00E+00	4.32E-03	3.52E-05	0.00E+00	1.47E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.49E-02
688 ALL	642446.8	4251098 NonCancel	2.73E-03	2.91E-03	1.77E-02	0.00E+00	0.00E+00	5.21E-03	4.46E-05	0.00E+00	1.82E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.82E-02
689 ALL	642546.8	4251098 NonCancel	2.93E-03	3.11E-03	1.92E-02	0.00E+00	0.00E+00	5.65E-03	4.94E-05	0.00E+00	1.99E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.99E-02
690 ALL	642646.8	4251098 NonCancel	3.03E-03	3.22E-03	2.01E-02	0.00E+00	0.00E+00	5.92E-03	5.40E-05	0.00E+00	2.10E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	2.10E-02
691 ALL	642746.8	4251098 NonCancel	3.28E-03	3.48E-03	2.19E-02	0.00E+00	0.00E+00	6.51E-03	6.45E-05	0.00E+00	2.34E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	2.34E-02
692 ALL	642846.8	4251098 NonCancel	3.93E-03	4.17E-03	2.61E-02	0.00E+00	0.00E+00	7.65E-03	7.51E-05	0.00E+00	2.71E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	2.71E-02
693 ALL	642946.8	4251098 NonCancel	4.65E-03	4.91E-03	3.13E-02	0.00E+00	0.00E+00	8.93E-03	8.73E-05	0.00E+00	3.10E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	3.13E-02
694 ALL	643046.8	4251098 NonCancel	5.40E-03	5.70E-03	3.60E-02	0.00E+00	0.00E+00	1.01E-02	9.78E-05	0.00E+00	3.42E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	3.60E-02
695 ALL	643146.8	4251098 NonCancel	6.26E-03	6.60E-03	4.21E-02	0.00E+00	0.00E+00	1.19E-02	1.18E-04	0.00E+00	4.12E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	4.21E-02
696 ALL	643246.8	4251098 NonCancel	7.81E-03	8.26E-03	5.40E-02	0.00E+00	0.00E+00	1.65E-02	1.83E-04	0.00E+00	6.20E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	6.20E-02
697 ALL	643346.8	4251098 NonCancel	8.99E-03	9.51E-03	6.23E-02	0.00E+00	0.00E+00	1.89E-02	2.21E-04	0.00E+00	7.13E-02	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	7.13E-02
698 ALL	643446.8	4251098 NonCancel	1.45E-02	1.50E-02	1.01E-01	0.00E+00	0.00E+00	2.40E-02	2.17E-04	0.00E+00	6.79E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	1.01E-01
699 ALL	643546.8	4251098 NonCancel	1.59E-02	1.64E-02	1.11E-01	0.00E+00	0.00E+00	2.54E-02	2.12E-04	0.00E+00	6.81E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	1.11E-01
700 ALL	643646.8	4251098 NonCancel	1.54E-02	1.59E-02	1.06E-01	0.00E+00	0.00E+00	2.42E-02	1.97E-04	0.00E+00	6.36E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	1.06E-01
701 ALL	643746.8	4251098 NonCancel	1.45E-02	1.49E-02	9.93E-02	0.00E+00	0.00E+00	2.25E-02	1.75E-04	0.00E+00	5.84E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	9.93E-02
702 ALL	643846.8	4251098 NonCancel	1.22E-02	1.26E-02	8.35E-02	0.00E+00	0.00E+00	1.92E-02	1.50E-04	0.00E+00	5.06E-02	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	8.35E-02
703 ALL	643946.8	4251098 NonCancel	1.07E-02	1.10E-02	7.30E-02	0.00E+00	0.00E+00	1.68E-02	1.35E-04	0.00E+00	4.44E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	7.30E-02
704 ALL	644046.8	4251098 NonCancel	9.09E-03	9.41E-03	6.19E-02	0.00E+00	0.00E+00	1.45E-02	1.13E-04	0.00E+00	3.91E-02	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00	6.19E-02
705 ALL	644146.8	4251098 NonCancel	8.19E-03	8.46E-03	5.58E-02	0.00E+00	0.00E+00	1.27E-02	9.56E-05	0.00E+00	3.29E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	5.58E-02
706 ALL	644246.8	4251098 NonCancel	6.55E-03	6.80E-03	4.44E-02	0.00E+00	0.00E+00	1.04E-02	7.93E-05	0.00E+00	2.81E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	4.44E-02
707 ALL	644346.8	4251098 NonCancel	5.40E-03	5.62E-03	3.64E-02	0.00E+00	0.00E+00	8.73E-03	6.56E-05	0.00E+00	2.42E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	3.64E-02
708 ALL	644446.8	4251098 NonCancel	3.86E-03	4.06E-03	2.58E-02	0.00E+00	0.00E+00	6.92E-03	5.91E-05	0.00E+00	2.22E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	2.58E-02
709 ALL	644546.8	4251098 NonCancel	3.52E-03	3.69E-03	2.36E-02	0.00E+00	0.00E+00	6.23E-03	5.25E-05	0.00E+00	1.97E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.36E-02
710 ALL	644646.8	4251098 NonCancel	3.34E-03	3.50E-03	2.23E-02	0.00E+00	0.00E+00	5.87E-03	4.83E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	2.23E-02
711 ALL	644746.8	4251098 NonCancel	3.17E-03	3.17E-03	2.00E-02	0.00E+00	0.00E+00	5.39E-03	4.47E-05	0.00E+00	1.74E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	2.00E-02
712 ALL	644846.8	4251098 NonCancel	2.90E-03	3.06E-03	1.91E-02	0.00E+00	0.00E+00	5.15E-03	4.17E-05	0.00E+00	1.64E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.91E-02
713 ALL	644946.8	4251098 NonCancel	2.87E-03	3.02E-03	1.89E-02	0.00E+00	0.00E+00	4.99E-03	3.92E-05	0.00E+00	1.56E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.89E-02
714 ALL	645046.8	4251098 NonCancel	2.79E-03	2.93E-03	1.83E-02	0.00E+00	0.00E+00	4.81E-03	3.71E-05	0.00E+00	1.49E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.83E-02
715 ALL	645146.8	4251098 NonCancel	2.71E-03	2.86E-03	1.77E-02	0.00E+00	0.00E+00	4.74E-03	3.64E-05	0.00E+00	1.49E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.77E-02
716 ALL	645246.8	4251098 NonCancel	2.63E-03	2.77E-03	1.71E-02	0.00E+00	0.00E+00	4.64E-03	3.59E-05	0.00E+00	1.48E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.71E-02
717 ALL	645346.8	4251098 NonCancel	2.50E-03	2.65E-03	1.62E-02	0.00E+00	0.00E+00	4.49E-03	3.49E-05	0.00E+00	1.46E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.62E-02
718 ALL	642446.8	4251198 NonCancel	2.52E-03	2.69E-03	1.65E-02	0.00E+00	0.00E+00	4.98E-03	4.40E-05	0.00E+00	1.80E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.80E-02
719 ALL	642546.8	4251198 NonCancel	2.77E-03	2.94E-03	1.81E-02	0.00E+00	0.00E+00	5.42E-03	5.02E-05	0.00E+00	1.94E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.94E-02
720 ALL	642646.8	4251198 NonCancel	3.00E-03	3.18E-03	1.99E-02	0.00E+00	0.00E+00	5.86E-03	5.63E-05	0.00E+00	2.08E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.08E-02
721 ALL	642746.8	4251198 NonCancel	3.41E-03	3.61E-03	2.28E-02	0.00E+00	0.00E+00	6.54E-03	6.18E-05	0.00E+00	2.27E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	2.28E-02
722 ALL	642846.8	4251198 NonCancel	3.66E-03	3.88E-03	2.44E-02	0.00E+00	0.00E+00	7.16E-03	6.96E-05	0.00E+00	2.54E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	2.54E-02
723 ALL	642946.8	4251198 NonCancel	4.42E-03	4.66E-03	2.95E-02	0.00E+00	0.00E+00	8.12E-03	7.58E-05	0.00E+00	2.70E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	2.95E-02
724 ALL	643046.8	4251198 NonCancel	4.79E-03	5.05E-03	3.21E-02	0.00E+00	0.00E+00	9.08E-03	8.78E-05	0.00E+00	3.11E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	3.21E-02
725 ALL	643146.8	4251198 NonCancel	5.75E-03	6.08E-03	3.88E-02	0.00E+00	0.00E+00	1.13E-02	1.10E-04	0.00E+00	4.01E-02	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	4.01E-02
726 ALL	643246.8	4251198 NonCancel	6.57E-03	6.96E-03	4.58E-02	0.00E+00	0.00E+00	1.44E-02	1.62E-04	0.00E+00	5.60E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	5.60E-02

727 ALL	643346.8	4251198 NonCancel	1.11E-02	1.15E-02	7.66E-02	0.00E+00	0.00E+00	1.86E-02	1.64E-04	0.00E+00	5.41E-02	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	7.66E-02
728 ALL	643446.8	4251198 NonCancel	1.22E-02	1.26E-02	8.45E-02	0.00E+00	0.00E+00	1.96E-02	1.66E-04	0.00E+00	5.34E-02	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	8.45E-02
729 ALL	643546.8	4251198 NonCancel	1.19E-02	1.23E-02	8.19E-02	0.00E+00	0.00E+00	1.93E-02	1.62E-04	0.00E+00	5.34E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	8.19E-02
730 ALL	643646.8	4251198 NonCancel	1.13E-02	1.18E-02	7.80E-02	0.00E+00	0.00E+00	1.87E-02	1.65E-04	0.00E+00	5.28E-02	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	7.80E-02
731 ALL	643746.8	4251198 NonCancel	1.11E-02	1.15E-02	7.65E-02	0.00E+00	0.00E+00	1.79E-02	1.46E-04	0.00E+00	4.91E-02	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	7.65E-02
732 ALL	643846.8	4251198 NonCancel	1.05E-02	1.08E-02	7.16E-02	0.00E+00	0.00E+00	1.65E-02	1.31E-04	0.00E+00	4.37E-02	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	7.16E-02
733 ALL	643946.8	4251198 NonCancel	8.84E-03	9.16E-03	6.03E-02	0.00E+00	0.00E+00	1.42E-02	1.12E-04	0.00E+00	3.86E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	6.03E-02
734 ALL	644046.8	4251198 NonCancel	7.75E-03	8.04E-03	5.28E-02	0.00E+00	0.00E+00	1.26E-02	1.05E-04	0.00E+00	3.53E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	5.28E-02
735 ALL	644146.8	4251198 NonCancel	6.86E-03	7.13E-03	4.65E-02	0.00E+00	0.00E+00	1.13E-02	9.06E-05	0.00E+00	3.20E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	4.65E-02
736 ALL	644246.8	4251198 NonCancel	6.31E-03	6.55E-03	4.28E-02	0.00E+00	0.00E+00	1.01E-02	7.85E-05	0.00E+00	2.76E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	4.28E-02
737 ALL	644346.8	4251198 NonCancel	5.52E-03	5.73E-03	3.73E-02	0.00E+00	0.00E+00	8.96E-03	7.08E-05	0.00E+00	2.50E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	3.73E-02
738 ALL	644446.8	4251198 NonCancel	4.86E-03	5.08E-03	3.25E-02	0.00E+00	0.00E+00	8.07E-03	6.17E-05	0.00E+00	2.34E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	3.25E-02
739 ALL	644546.8	4251198 NonCancel	4.02E-03	4.23E-03	2.65E-02	0.00E+00	0.00E+00	6.95E-03	5.42E-05	0.00E+00	2.15E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	2.65E-02
740 ALL	644646.8	4251198 NonCancel	3.23E-03	3.42E-03	2.12E-02	0.00E+00	0.00E+00	5.95E-03	4.99E-05	0.00E+00	1.99E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.12E-02
741 ALL	644746.8	4251198 NonCancel	3.02E-03	3.19E-03	1.99E-02	0.00E+00	0.00E+00	5.44E-03	4.47E-05	0.00E+00	1.77E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.99E-02
742 ALL	644846.8	4251198 NonCancel	2.69E-03	2.84E-03	1.78E-02	0.00E+00	0.00E+00	4.86E-03	4.04E-05	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.78E-02
743 ALL	644946.8	4251198 NonCancel	2.59E-03	2.73E-03	1.71E-02	0.00E+00	0.00E+00	4.66E-03	3.78E-05	0.00E+00	1.51E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.71E-02
744 ALL	645046.8	4251198 NonCancel	2.49E-03	2.63E-03	1.62E-02	0.00E+00	0.00E+00	4.54E-03	3.69E-05	0.00E+00	1.51E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.62E-02
745 ALL	645146.8	4251198 NonCancel	2.57E-03	2.72E-03	1.66E-02	0.00E+00	0.00E+00	4.66E-03	3.66E-05	0.00E+00	1.54E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.66E-02
746 ALL	645246.8	4251198 NonCancel	2.64E-03	2.80E-03	1.69E-02	0.00E+00	0.00E+00	4.73E-03	3.62E-05	0.00E+00	1.54E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.69E-02
747 ALL	645346.8	4251198 NonCancel	2.64E-03	2.80E-03	1.69E-02	0.00E+00	0.00E+00	4.72E-03	3.57E-05	0.00E+00	1.54E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.69E-02
748 ALL	642446.8	4251298 NonCancel	2.56E-03	2.73E-03	1.67E-02	0.00E+00	0.00E+00	5.03E-03	4.62E-05	0.00E+00	1.80E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.80E-02
749 ALL	642546.8	4251298 NonCancel	2.80E-03	2.97E-03	1.85E-02	0.00E+00	0.00E+00	5.33E-03	4.85E-05	0.00E+00	1.85E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.85E-02
750 ALL	642646.8	4251298 NonCancel	2.90E-03	3.06E-03	1.94E-02	0.00E+00	0.00E+00	5.51E-03	5.13E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.94E-02
751 ALL	642746.8	4251298 NonCancel	3.11E-03	3.29E-03	2.07E-02	0.00E+00	0.00E+00	6.00E-03	5.71E-05	0.00E+00	2.10E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	2.10E-02
752 ALL	642846.8	4251298 NonCancel	3.59E-03	3.78E-03	2.39E-02	0.00E+00	0.00E+00	6.64E-03	6.16E-05	0.00E+00	2.23E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	2.39E-02
753 ALL	642946.8	4251298 NonCancel	3.81E-03	4.02E-03	2.54E-02	0.00E+00	0.00E+00	7.21E-03	6.88E-05	0.00E+00	2.47E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	2.54E-02
754 ALL	643046.8	4251298 NonCancel	4.76E-03	5.06E-03	3.12E-02	0.00E+00	0.00E+00	9.07E-03	8.30E-05	0.00E+00	3.15E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	3.15E-02
755 ALL	643146.8	4251298 NonCancel	5.47E-03	5.84E-03	3.67E-02	0.00E+00	0.00E+00	1.16E-02	1.25E-04	0.00E+00	4.41E-02	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	4.41E-02
756 ALL	643246.8	4251298 NonCancel	7.14E-03	7.48E-03	4.93E-02	0.00E+00	0.00E+00	1.35E-02	1.38E-04	0.00E+00	4.57E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	4.93E-02
757 ALL	643346.8	4251298 NonCancel	8.95E-03	9.31E-03	6.11E-02	0.00E+00	0.00E+00	1.52E-02	1.33E-04	0.00E+00	4.48E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	6.11E-02
758 ALL	643446.8	4251298 NonCancel	9.04E-03	9.41E-03	6.20E-02	0.00E+00	0.00E+00	1.54E-02	1.38E-04	0.00E+00	4.62E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	6.20E-02
759 ALL	643546.8	4251298 NonCancel	9.38E-03	9.72E-03	6.43E-02	0.00E+00	0.00E+00	1.53E-02	1.29E-04	0.00E+00	4.28E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	6.43E-02
760 ALL	643646.8	4251298 NonCancel	8.82E-03	9.15E-03	6.04E-02	0.00E+00	0.00E+00	1.47E-02	1.32E-04	0.00E+00	4.28E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	6.04E-02
761 ALL	643746.8	4251298 NonCancel	8.95E-03	9.28E-03	6.12E-02	0.00E+00	0.00E+00	1.47E-02	1.22E-04	0.00E+00	4.12E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	6.12E-02
762 ALL	643846.8	4251298 NonCancel	8.20E-03	8.51E-03	5.60E-02	0.00E+00	0.00E+00	1.34E-02	1.10E-04	0.00E+00	3.74E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	5.60E-02
763 ALL	643946.8	4251298 NonCancel	7.02E-03	7.30E-03	4.78E-02	0.00E+00	0.00E+00	1.17E-02	1.00E-04	0.00E+00	3.42E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	4.78E-02
764 ALL	644046.8	4251298 NonCancel	6.79E-03	7.05E-03	4.62E-02	0.00E+00	0.00E+00	1.11E-02	8.93E-05	0.00E+00	3.13E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	4.62E-02
765 ALL	644146.8	4251298 NonCancel	6.16E-03	6.43E-03	4.16E-02	0.00E+00	0.00E+00	1.04E-02	8.69E-05	0.00E+00	3.07E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	4.16E-02
766 ALL	644246.8	4251298 NonCancel	5.55E-03	5.80E-03	3.73E-02	0.00E+00	0.00E+00	9.36E-03	7.78E-05	0.00E+00	2.78E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	3.73E-02
767 ALL	644346.8	4251298 NonCancel	5.07E-03	5.29E-03	3.40E-02	0.00E+00	0.00E+00	8.45E-03	6.80E-05	0.00E+00	2.47E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	3.40E-02
768 ALL	644446.8	4251298 NonCancel	4.55E-03	4.76E-03	3.05E-02	0.00E+00	0.00E+00	7.65E-03	6.14E-05	0.00E+00	2.26E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	3.05E-02
769 ALL	644546.8	4251298 NonCancel	4.23E-03	4.44E-03	2.81E-02	0.00E+00	0.00E+00	7.31E-03	5.88E-05	0.00E+00	2.25E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	2.81E-02
770 ALL	644646.8	4251298 NonCancel	3.93E-03	4.14E-03	2.58E-02	0.00E+00	0.00E+00	6.78E-03	5.14E-05	0.00E+00	2.09E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	2.58E-02
771 ALL	644746.8	4251298 NonCancel	3.18E-03	3.38E-03	2.06E-02	0.00E+00	0.00E+00	5.82E-03	4.65E-05	0.00E+00	1.94E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	2.06E-02
772 ALL	644846.8	4251298 NonCancel	2.81E-03	2.99E-03	1.82E-02	0.00E+00	0.00E+00	5.25E-03	4.30E-05	0.00E+00	1.79E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.82E-02
773 ALL	644946.8	4251298 NonCancel	2.63E-03	2.79E-03	1.71E-02	0.00E+00	0.00E+00	4.82E-03	3.89E-05	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.71E-02
774 ALL	645046.8	4251298 NonCancel	2.38E-03	2.52E-03	1.55E-02	0.00E+00	0.00E+00	4.33E-03	3.52E-05	0.00E+00	1.44E-02	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.55E-02
775 ALL	645146.8	4251298 NonCancel	2.39E-03	2.54E-03	1.56E-02	0.00E+00	0.00E+00	4.38E-03	3.52E-05	0.00E+00	1.46E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.56E-02
776 ALL	645246.8	4251298 NonCancel	2.40E-03	2.56E-03	1.54E-02	0.00E+00	0.00E+00	4.46E-03	3.54E-05	0.00E+00	1.52E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.54E-02
777 ALL	645346.8	4251298 NonCancel	2.35E-03	2.51E-03	1.49E-02	0.00E+00	0.00E+00	4.45E-03	3.55E-05	0.00E+00	1.55E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.55E-02
778 ALL	642446.8	4251398 NonCancel	2.57E-03	2.73E-03	1.70E-02	0.00E+00	0.00E+00	4.89E-03	4.33E-05	0.00E+00	1.69E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.70E-02

779 ALL	642546.8	4251398	NonCancel	2.68E-03	2.84E-03	1.77E-02	0.00E+00	0.00E+00	5.12E-03	4.64E-05	0.00E+00	1.78E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.78E-02
780 ALL	642646.8	4251398	NonCancel	2.81E-03	2.97E-03	1.86E-02	0.00E+00	0.00E+00	5.30E-03	4.85E-05	0.00E+00	1.82E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.86E-02
781 ALL	642746.8	4251398	NonCancel	2.96E-03	3.13E-03	1.96E-02	0.00E+00	0.00E+00	5.61E-03	5.22E-05	0.00E+00	1.93E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.96E-02
782 ALL	642846.8	4251398	NonCancel	3.22E-03	3.41E-03	2.14E-02	0.00E+00	0.00E+00	6.12E-03	5.75E-05	0.00E+00	2.11E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	2.14E-02
783 ALL	642946.8	4251398	NonCancel	4.01E-03	4.27E-03	2.60E-02	0.00E+00	0.00E+00	7.73E-03	6.97E-05	0.00E+00	2.73E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	2.73E-02
784 ALL	643046.8	4251398	NonCancel	4.74E-03	5.07E-03	3.08E-02	0.00E+00	0.00E+00	9.67E-03	9.49E-05	0.00E+00	3.61E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	3.61E-02
785 ALL	643146.8	4251398	NonCancel	4.89E-03	5.25E-03	3.28E-02	0.00E+00	0.00E+00	1.10E-02	1.16E-04	0.00E+00	4.41E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	4.41E-02
786 ALL	643246.8	4251398	NonCancel	7.36E-03	7.66E-03	5.05E-02	0.00E+00	0.00E+00	1.26E-02	1.15E-04	0.00E+00	3.74E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	5.05E-02
787 ALL	643346.8	4251398	NonCancel	7.95E-03	8.30E-03	5.36E-02	0.00E+00	0.00E+00	1.37E-02	1.17E-04	0.00E+00	4.16E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	5.36E-02
788 ALL	643446.8	4251398	NonCancel	7.97E-03	8.32E-03	5.41E-02	0.00E+00	0.00E+00	1.37E-02	1.19E-04	0.00E+00	4.12E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	5.41E-02
789 ALL	643546.8	4251398	NonCancel	7.81E-03	8.12E-03	5.32E-02	0.00E+00	0.00E+00	1.30E-02	1.09E-04	0.00E+00	3.74E-02	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	5.32E-02
790 ALL	643646.8	4251398	NonCancel	7.36E-03	7.66E-03	5.01E-02	0.00E+00	0.00E+00	1.24E-02	1.07E-04	0.00E+00	3.65E-02	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	5.01E-02
791 ALL	643746.8	4251398	NonCancel	7.51E-03	7.79E-03	5.13E-02	0.00E+00	0.00E+00	1.22E-02	1.01E-04	0.00E+00	3.40E-02	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	5.13E-02
792 ALL	643846.8	4251398	NonCancel	6.96E-03	7.22E-03	4.75E-02	0.00E+00	0.00E+00	1.15E-02	9.59E-05	0.00E+00	3.29E-02	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	4.75E-02
793 ALL	643946.8	4251398	NonCancel	6.72E-03	6.98E-03	4.57E-02	0.00E+00	0.00E+00	1.09E-02	8.78E-05	0.00E+00	3.05E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	4.57E-02
794 ALL	644046.8	4251398	NonCancel	6.11E-03	6.34E-03	4.15E-02	0.00E+00	0.00E+00	1.00E-02	8.23E-05	0.00E+00	2.83E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	4.15E-02
795 ALL	644146.8	4251398	NonCancel	5.51E-03	5.75E-03	3.71E-02	0.00E+00	0.00E+00	9.31E-03	7.59E-05	0.00E+00	2.76E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	3.71E-02
796 ALL	644246.8	4251398	NonCancel	5.19E-03	5.43E-03	3.47E-02	0.00E+00	0.00E+00	8.90E-03	7.37E-05	0.00E+00	2.70E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	3.47E-02
797 ALL	644346.8	4251398	NonCancel	4.65E-03	4.87E-03	3.08E-02	0.00E+00	0.00E+00	7.97E-03	6.74E-05	0.00E+00	2.43E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	3.08E-02
798 ALL	644446.8	4251398	NonCancel	4.31E-03	4.51E-03	2.87E-02	0.00E+00	0.00E+00	7.35E-03	5.97E-05	0.00E+00	2.23E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	2.87E-02
799 ALL	644546.8	4251398	NonCancel	4.13E-03	4.32E-03	2.76E-02	0.00E+00	0.00E+00	7.00E-03	5.52E-05	0.00E+00	2.09E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.76E-02
800 ALL	644646.8	4251398	NonCancel	3.83E-03	4.03E-03	2.53E-02	0.00E+00	0.00E+00	6.67E-03	5.33E-05	0.00E+00	2.08E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	2.53E-02
801 ALL	644746.8	4251398	NonCancel	3.47E-03	3.67E-03	2.26E-02	0.00E+00	0.00E+00	6.23E-03	5.01E-05	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	2.26E-02
802 ALL	644846.8	4251398	NonCancel	3.25E-03	3.44E-03	2.09E-02	0.00E+00	0.00E+00	5.80E-03	4.40E-05	0.00E+00	1.89E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	2.09E-02
803 ALL	644946.8	4251398	NonCancel	2.73E-03	2.92E-03	1.75E-02	0.00E+00	0.00E+00	5.13E-03	4.08E-05	0.00E+00	1.77E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.77E-02
804 ALL	645046.8	4251398	NonCancel	2.50E-03	2.66E-03	1.60E-02	0.00E+00	0.00E+00	4.70E-03	3.78E-05	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.62E-02
805 ALL	645146.8	4251398	NonCancel	2.34E-03	2.49E-03	1.51E-02	0.00E+00	0.00E+00	4.36E-03	3.49E-05	0.00E+00	1.48E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.51E-02
806 ALL	645246.8	4251398	NonCancel	2.18E-03	2.32E-03	1.41E-02	0.00E+00	0.00E+00	4.01E-03	3.26E-05	0.00E+00	1.35E-02	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	1.41E-02
807 ALL	645346.8	4251398	NonCancel	2.24E-03	2.39E-03	1.44E-02	0.00E+00	0.00E+00	4.19E-03	3.34E-05	0.00E+00	1.43E-02	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.44E-02
808 ALL	642446.8	4251498	NonCancel	2.58E-03	2.75E-03	1.68E-02	0.00E+00	0.00E+00	4.99E-03	4.33E-05	0.00E+00	1.77E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.77E-02
809 ALL	642546.8	4251498	NonCancel	2.69E-03	2.86E-03	1.75E-02	0.00E+00	0.00E+00	5.12E-03	4.51E-05	0.00E+00	1.79E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.79E-02
810 ALL	642646.8	4251498	NonCancel	2.65E-03	2.82E-03	1.75E-02	0.00E+00	0.00E+00	5.06E-03	4.61E-05	0.00E+00	1.76E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.76E-02
811 ALL	642746.8	4251498	NonCancel	2.86E-03	3.02E-03	1.90E-02	0.00E+00	0.00E+00	5.42E-03	4.97E-05	0.00E+00	1.86E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.90E-02
812 ALL	642846.8	4251498	NonCancel	3.46E-03	3.69E-03	2.24E-02	0.00E+00	0.00E+00	6.71E-03	5.95E-05	0.00E+00	2.39E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	2.39E-02
813 ALL	642946.8	4251498	NonCancel	4.08E-03	4.38E-03	2.60E-02	0.00E+00	0.00E+00	8.10E-03	7.19E-05	0.00E+00	2.97E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.97E-02
814 ALL	643046.8	4251498	NonCancel	4.39E-03	4.74E-03	2.84E-02	0.00E+00	0.00E+00	9.43E-03	9.65E-05	0.00E+00	3.69E-02	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	3.69E-02
815 ALL	643146.8	4251498	NonCancel	5.95E-03	6.28E-03	4.01E-02	0.00E+00	0.00E+00	1.14E-02	1.07E-04	0.00E+00	3.94E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	4.01E-02
816 ALL	643246.8	4251498	NonCancel	6.37E-03	6.67E-03	4.28E-02	0.00E+00	0.00E+00	1.11E-02	9.72E-05	0.00E+00	3.41E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	4.28E-02
817 ALL	643346.8	4251498	NonCancel	7.25E-03	7.60E-03	4.85E-02	0.00E+00	0.00E+00	1.25E-02	1.04E-04	0.00E+00	3.83E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	4.85E-02
818 ALL	643446.8	4251498	NonCancel	6.72E-03	7.04E-03	4.52E-02	0.00E+00	0.00E+00	1.18E-02	1.04E-04	0.00E+00	3.70E-02	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	4.52E-02
819 ALL	643546.8	4251498	NonCancel	6.86E-03	7.16E-03	4.63E-02	0.00E+00	0.00E+00	1.16E-02	9.65E-05	0.00E+00	3.45E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	4.63E-02
820 ALL	643646.8	4251498	NonCancel	6.50E-03	6.81E-03	4.36E-02	0.00E+00	0.00E+00	1.13E-02	9.65E-05	0.00E+00	3.48E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	4.36E-02
821 ALL	643746.8	4251498	NonCancel	6.39E-03	6.67E-03	4.31E-02	0.00E+00	0.00E+00	1.09E-02	9.43E-05	0.00E+00	3.27E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	4.31E-02
822 ALL	643846.8	4251498	NonCancel	6.22E-03	6.46E-03	4.23E-02	0.00E+00	0.00E+00	1.03E-02	8.47E-05	0.00E+00	2.95E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	4.23E-02
823 ALL	643946.8	4251498	NonCancel	5.45E-03	5.68E-03	3.70E-02	0.00E+00	0.00E+00	9.22E-03	7.87E-05	0.00E+00	2.73E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	3.70E-02
824 ALL	644046.8	4251498	NonCancel	4.88E-03	5.09E-03	3.31E-02	0.00E+00	0.00E+00	8.35E-03	7.29E-05	0.00E+00	2.51E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	3.31E-02
825 ALL	644146.8	4251498	NonCancel	4.78E-03	4.99E-03	3.23E-02	0.00E+00	0.00E+00	8.09E-03	6.86E-05	0.00E+00	2.41E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	3.23E-02
826 ALL	644246.8	4251498	NonCancel	4.70E-03	4.92E-03	3.14E-02	0.00E+00	0.00E+00	8.08E-03	6.57E-05	0.00E+00	2.47E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	3.14E-02
827 ALL	644346.8	4251498	NonCancel	4.44E-03	4.66E-03	2.95E-02	0.00E+00	0.00E+00	7.74E-03	6.37E-05	0.00E+00	2.41E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	2.95E-02
828 ALL	644446.8	4251498	NonCancel	4.01E-03	4.22E-03	2.65E-02	0.00E+00	0.00E+00	7.04E-03	6.00E-05	0.00E+00	2.22E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	2.65E-02
829 ALL	644546.8	4251498	NonCancel	3.79E-03	3.99E-03	2.50E-02	0.00E+00	0.00E+00	6.62E-03	5.37E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	2.50E-02
830 ALL	644646.8	4251498	NonCancel	3.86E-03	4.06E-03	2.53E-02	0.00E+00	0.00E+00	6.76									

831	ALL	644746.8	4251498	NonCancel	3.50E-03	3.70E-03	2.27E-02	0.00E+00	0.00E+00	6.24E-03	4.98E-05	0.00E+00	2.02E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	2.27E-02
832	ALL	644846.8	4251498	NonCancel	3.18E-03	3.37E-03	2.06E-02	0.00E+00	0.00E+00	5.79E-03	4.69E-05	0.00E+00	1.92E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	2.06E-02
833	ALL	644946.8	4251498	NonCancel	3.03E-03	3.22E-03	1.95E-02	0.00E+00	0.00E+00	5.52E-03	4.34E-05	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.95E-02
834	ALL	645046.8	4251498	NonCancel	2.73E-03	2.91E-03	1.74E-02	0.00E+00	0.00E+00	5.06E-03	3.87E-05	0.00E+00	1.73E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.74E-02
835	ALL	645146.8	4251498	NonCancel	2.49E-03	2.66E-03	1.58E-02	0.00E+00	0.00E+00	4.68E-03	3.65E-05	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.62E-02
836	ALL	645246.8	4251498	NonCancel	2.29E-03	2.45E-03	1.46E-02	0.00E+00	0.00E+00	4.32E-03	3.45E-05	0.00E+00	1.50E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.50E-02
837	ALL	645346.8	4251498	NonCancel	2.15E-03	2.29E-03	1.38E-02	0.00E+00	0.00E+00	4.02E-03	3.24E-05	0.00E+00	1.38E-02	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	1.38E-02
838	ALL	642446.8	4251598	NonCancel	2.55E-03	2.73E-03	1.64E-02	0.00E+00	0.00E+00	4.95E-03	4.24E-05	0.00E+00	1.76E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.76E-02
839	ALL	642546.8	4251598	NonCancel	2.52E-03	2.68E-03	1.63E-02	0.00E+00	0.00E+00	4.85E-03	4.27E-05	0.00E+00	1.72E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.72E-02
840	ALL	642646.8	4251598	NonCancel	2.54E-03	2.69E-03	1.68E-02	0.00E+00	0.00E+00	4.83E-03	4.35E-05	0.00E+00	1.67E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.68E-02
841	ALL	642746.8	4251598	NonCancel	3.09E-03	3.30E-03	2.00E-02	0.00E+00	0.00E+00	5.97E-03	5.18E-05	0.00E+00	2.11E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.11E-02
842	ALL	642846.8	4251598	NonCancel	3.53E-03	3.80E-03	2.22E-02	0.00E+00	0.00E+00	6.92E-03	5.90E-05	0.00E+00	2.51E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	2.51E-02
843	ALL	642946.8	4251598	NonCancel	3.93E-03	4.25E-03	2.49E-02	0.00E+00	0.00E+00	8.26E-03	8.00E-05	0.00E+00	3.18E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	3.18E-02
844	ALL	643046.8	4251598	NonCancel	4.61E-03	4.95E-03	3.03E-02	0.00E+00	0.00E+00	9.69E-03	9.15E-05	0.00E+00	3.69E-02	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	3.69E-02
845	ALL	643146.8	4251598	NonCancel	5.75E-03	6.04E-03	3.85E-02	0.00E+00	0.00E+00	1.02E-02	9.12E-05	0.00E+00	3.23E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	3.85E-02
846	ALL	643246.8	4251598	NonCancel	5.64E-03	5.93E-03	3.73E-02	0.00E+00	0.00E+00	1.01E-02	8.72E-05	0.00E+00	3.25E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	3.73E-02
847	ALL	643346.8	4251598	NonCancel	5.78E-03	6.11E-03	3.81E-02	0.00E+00	0.00E+00	1.05E-02	9.19E-05	0.00E+00	3.47E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	3.81E-02
848	ALL	643446.8	4251598	NonCancel	6.12E-03	6.43E-03	4.09E-02	0.00E+00	0.00E+00	1.07E-02	9.16E-05	0.00E+00	3.36E-02	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	4.09E-02
849	ALL	643546.8	4251598	NonCancel	6.09E-03	6.38E-03	4.08E-02	0.00E+00	0.00E+00	1.05E-02	8.71E-05	0.00E+00	3.22E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	4.08E-02
850	ALL	643646.8	4251598	NonCancel	5.83E-03	6.13E-03	3.87E-02	0.00E+00	0.00E+00	1.04E-02	8.83E-05	0.00E+00	3.32E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	3.87E-02
851	ALL	643746.8	4251598	NonCancel	5.87E-03	6.17E-03	3.90E-02	0.00E+00	0.00E+00	1.03E-02	8.93E-05	0.00E+00	3.23E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	3.90E-02
852	ALL	643846.8	4251598	NonCancel	5.20E-03	5.41E-03	3.52E-02	0.00E+00	0.00E+00	8.61E-03	7.25E-05	0.00E+00	2.48E-02	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	3.52E-02
853	ALL	643946.8	4251598	NonCancel	4.98E-03	5.18E-03	3.38E-02	0.00E+00	0.00E+00	8.35E-03	7.01E-05	0.00E+00	2.45E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	3.38E-02
854	ALL	644046.8	4251598	NonCancel	4.74E-03	4.94E-03	3.20E-02	0.00E+00	0.00E+00	7.87E-03	6.43E-05	0.00E+00	2.27E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	3.20E-02
855	ALL	644146.8	4251598	NonCancel	4.50E-03	4.70E-03	3.01E-02	0.00E+00	0.00E+00	7.60E-03	6.23E-05	0.00E+00	2.26E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	3.01E-02
856	ALL	644246.8	4251598	NonCancel	4.18E-03	4.38E-03	2.80E-02	0.00E+00	0.00E+00	7.22E-03	6.02E-05	0.00E+00	2.21E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	2.80E-02
857	ALL	644346.8	4251598	NonCancel	4.05E-03	4.25E-03	2.69E-02	0.00E+00	0.00E+00	7.12E-03	5.82E-05	0.00E+00	2.24E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	2.69E-02
858	ALL	644446.8	4251598	NonCancel	3.85E-03	4.06E-03	2.54E-02	0.00E+00	0.00E+00	6.83E-03	5.59E-05	0.00E+00	2.18E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	2.54E-02
859	ALL	644546.8	4251598	NonCancel	3.53E-03	3.72E-03	2.31E-02	0.00E+00	0.00E+00	6.29E-03	5.38E-05	0.00E+00	2.03E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.31E-02
860	ALL	644646.8	4251598	NonCancel	3.56E-03	3.77E-03	2.31E-02	0.00E+00	0.00E+00	6.39E-03	5.12E-05	0.00E+00	2.08E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	2.31E-02
861	ALL	644746.8	4251598	NonCancel	3.55E-03	3.77E-03	2.28E-02	0.00E+00	0.00E+00	6.44E-03	5.10E-05	0.00E+00	2.14E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	2.28E-02
862	ALL	644846.8	4251598	NonCancel	3.25E-03	3.46E-03	2.08E-02	0.00E+00	0.00E+00	6.04E-03	4.83E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	2.08E-02
863	ALL	644946.8	4251598	NonCancel	3.06E-03	3.26E-03	1.95E-02	0.00E+00	0.00E+00	5.62E-03	4.44E-05	0.00E+00	1.90E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.95E-02
864	ALL	645046.8	4251598	NonCancel	2.76E-03	2.94E-03	1.76E-02	0.00E+00	0.00E+00	5.15E-03	4.15E-05	0.00E+00	1.77E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.77E-02
865	ALL	645146.8	4251598	NonCancel	2.65E-03	2.83E-03	1.68E-02	0.00E+00	0.00E+00	4.91E-03	3.81E-05	0.00E+00	1.67E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.68E-02
866	ALL	645246.8	4251598	NonCancel	2.44E-03	2.61E-03	1.54E-02	0.00E+00	0.00E+00	4.58E-03	3.53E-05	0.00E+00	1.59E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.59E-02
867	ALL	645346.8	4251598	NonCancel	2.31E-03	2.47E-03	1.47E-02	0.00E+00	0.00E+00	4.33E-03	3.36E-05	0.00E+00	1.49E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.49E-02
868	ALL	642446.8	4251698	NonCancel	2.41E-03	2.58E-03	1.54E-02	0.00E+00	0.00E+00	4.70E-03	4.02E-05	0.00E+00	1.69E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.69E-02
869	ALL	642546.8	4251698	NonCancel	2.41E-03	2.56E-03	1.57E-02	0.00E+00	0.00E+00	4.63E-03	4.05E-05	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.62E-02
870	ALL	642646.8	4251698	NonCancel	2.68E-03	2.86E-03	1.73E-02	0.00E+00	0.00E+00	5.17E-03	4.46E-05	0.00E+00	1.83E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.83E-02
871	ALL	642746.8	4251698	NonCancel	3.10E-03	3.34E-03	1.95E-02	0.00E+00	0.00E+00	6.12E-03	5.17E-05	0.00E+00	2.23E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	2.23E-02
872	ALL	642846.8	4251698	NonCancel	3.49E-03	3.77E-03	2.18E-02	0.00E+00	0.00E+00	7.16E-03	6.48E-05	0.00E+00	2.72E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	2.72E-02
873	ALL	642946.8	4251698	NonCancel	3.71E-03	4.02E-03	2.35E-02	0.00E+00	0.00E+00	7.96E-03	7.71E-05	0.00E+00	3.13E-02	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	3.13E-02
874	ALL	643046.8	4251698	NonCancel	4.89E-03	5.19E-03	3.23E-02	0.00E+00	0.00E+00	9.55E-03	8.62E-05	0.00E+00	3.39E-02	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	3.39E-02
875	ALL	643146.8	4251698	NonCancel	4.79E-03	5.04E-03	3.20E-02	0.00E+00	0.00E+00	8.57E-03	7.85E-05	0.00E+00	2.75E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	3.20E-02
876	ALL	643246.8	4251698	NonCancel	5.55E-03	5.84E-03	3.67E-02	0.00E+00	0.00E+00	9.84E-03	8.14E-05	0.00E+00	3.14E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	3.67E-02
877	ALL	643346.8	4251698	NonCancel	5.50E-03	5.81E-03	3.62E-02	0.00E+00	0.00E+00	9.90E-03	8.39E-05	0.00E+00	3.22E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	3.62E-02
878	ALL	643446.8	4251698	NonCancel	5.52E-03	5.82E-03	3.65E-02	0.00E+00	0.00E+00	9.85E-03	8.31E-05	0.00E+00	3.17E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	3.65E-02
879	ALL	643546.8	4251698	NonCancel	5.43E-03	5.70E-03	3.61E-02	0.00E+00	0.00E+00	9.55E-03	7.91E-05	0.00E+00	3.01E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	3.61E-02
880	ALL	643646.8	4251698	NonCancel	5.27E-03	5.57E-03	3.47E-02	0.00E+00	0.00E+00	9.53E-03	8.02E-05	0.00E+00	3.12E-02	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	3.47E-02
881	ALL	643746.8	4251698	NonCancel															

883 ALL	643946.8	4251698	NonCancel	4.41E-03	4.60E-03	2.98E-02	0.00E+00	0.00E+00	7.53E-03	6.38E-05	0.00E+00	2.27E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	2.98E-02
884 ALL	644046.8	4251698	NonCancel	4.20E-03	4.38E-03	2.84E-02	0.00E+00	0.00E+00	7.14E-03	6.02E-05	0.00E+00	2.13E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	2.84E-02
885 ALL	644146.8	4251698	NonCancel	3.86E-03	4.05E-03	2.58E-02	0.00E+00	0.00E+00	6.79E-03	5.84E-05	0.00E+00	2.14E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	2.58E-02
886 ALL	644246.8	4251698	NonCancel	3.98E-03	4.18E-03	2.65E-02	0.00E+00	0.00E+00	6.92E-03	5.70E-05	0.00E+00	2.14E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	2.65E-02
887 ALL	644346.8	4251698	NonCancel	3.65E-03	3.84E-03	2.43E-02	0.00E+00	0.00E+00	6.45E-03	5.35E-05	0.00E+00	2.04E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	2.43E-02
888 ALL	644446.8	4251698	NonCancel	3.56E-03	3.75E-03	2.35E-02	0.00E+00	0.00E+00	6.40E-03	5.26E-05	0.00E+00	2.07E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	2.35E-02
889 ALL	644546.8	4251698	NonCancel	3.39E-03	3.58E-03	2.22E-02	0.00E+00	0.00E+00	6.11E-03	5.04E-05	0.00E+00	2.00E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	2.22E-02
890 ALL	644646.8	4251698	NonCancel	3.18E-03	3.36E-03	2.07E-02	0.00E+00	0.00E+00	5.78E-03	4.97E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	2.07E-02
891 ALL	644746.8	4251698	NonCancel	3.32E-03	3.54E-03	2.13E-02	0.00E+00	0.00E+00	6.10E-03	4.92E-05	0.00E+00	2.05E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	2.13E-02
892 ALL	644846.8	4251698	NonCancel	3.23E-03	3.45E-03	2.05E-02	0.00E+00	0.00E+00	6.05E-03	4.82E-05	0.00E+00	2.09E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	2.09E-02
893 ALL	644946.8	4251698	NonCancel	3.17E-03	3.39E-03	2.01E-02	0.00E+00	0.00E+00	5.95E-03	4.65E-05	0.00E+00	2.06E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	2.06E-02
894 ALL	645046.8	4251698	NonCancel	2.94E-03	3.14E-03	1.85E-02	0.00E+00	0.00E+00	5.50E-03	4.31E-05	0.00E+00	1.91E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.91E-02
895 ALL	645146.8	4251698	NonCancel	2.63E-03	2.81E-03	1.66E-02	0.00E+00	0.00E+00	4.99E-03	4.02E-05	0.00E+00	1.75E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.75E-02
896 ALL	645246.8	4251698	NonCancel	2.48E-03	2.65E-03	1.57E-02	0.00E+00	0.00E+00	4.68E-03	3.76E-05	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.63E-02
897 ALL	645346.8	4251698	NonCancel	2.39E-03	2.56E-03	1.51E-02	0.00E+00	0.00E+00	4.48E-03	3.48E-05	0.00E+00	1.55E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.55E-02
898 ALL	643402.4	4250581	NonCancel	1.56E-02	1.62E-02	1.20E-01	0.00E+00	0.00E+00	3.76E-02	5.17E-04	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	1.54E-01
899 ALL	643373.6	4250677	NonCancel	1.60E-02	1.72E-02	1.13E-01	0.00E+00	0.00E+00	3.96E-02	5.29E-04	0.00E+00	1.69E-01	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	1.69E-01
900 ALL	643344.7	4250773	NonCancel	1.43E-02	1.52E-02	1.02E-01	0.00E+00	0.00E+00	3.34E-02	4.05E-04	0.00E+00	1.36E-01	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.36E-01
901 ALL	643315.9	4250868	NonCancel	1.37E-02	1.44E-02	9.39E-02	0.00E+00	0.00E+00	2.71E-02	2.91E-04	0.00E+00	9.65E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	9.65E-02
902 ALL	643314.1	4250874	NonCancel	1.35E-02	1.42E-02	9.28E-02	0.00E+00	0.00E+00	2.67E-02	2.86E-04	0.00E+00	9.48E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	9.48E-02
903 ALL	643407.8	4250876	NonCancel	1.85E-02	1.95E-02	1.33E-01	0.00E+00	0.00E+00	4.11E-02	5.21E-04	0.00E+00	1.61E-01	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	1.61E-01
904 ALL	643507.8	4250878	NonCancel	3.03E-02	3.09E-02	2.19E-01	0.00E+00	0.00E+00	4.91E-02	4.84E-04	0.00E+00	1.32E-01	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.19E-01
905 ALL	643607.8	4250880	NonCancel	4.46E-02	4.55E-02	3.11E-01	0.00E+00	0.00E+00	6.35E-02	4.40E-04	0.00E+00	1.35E-01	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.11E-01
906 ALL	643707.7	4250881	NonCancel	3.82E-02	3.90E-02	2.65E-01	0.00E+00	0.00E+00	5.30E-02	3.31E-04	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.65E-01
907 ALL	643807.7	4250883	NonCancel	2.55E-02	2.61E-02	1.75E-01	0.00E+00	0.00E+00	3.65E-02	2.39E-04	0.00E+00	8.00E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.75E-01
908 ALL	643820.9	4250883	NonCancel	2.44E-02	2.50E-02	1.68E-01	0.00E+00	0.00E+00	3.51E-02	2.30E-04	0.00E+00	7.69E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.68E-01
909 ALL	643818.8	4250846	NonCancel	2.98E-02	3.04E-02	2.04E-01	0.00E+00	0.00E+00	4.03E-02	2.20E-04	0.00E+00	7.63E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	2.04E-01
910 ALL	643768.8	4250845	NonCancel	3.44E-02	3.52E-02	2.38E-01	0.00E+00	0.00E+00	4.76E-02	2.82E-04	0.00E+00	9.45E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.38E-01
911 ALL	643668.9	4250843	NonCancel	5.52E-02	5.62E-02	3.83E-01	0.00E+00	0.00E+00	7.39E-02	4.16E-04	0.00E+00	1.34E-01	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.83E-01
912 ALL	643666.2	4250843	NonCancel	5.64E-02	5.74E-02	3.91E-01	0.00E+00	0.00E+00	7.53E-02	4.19E-04	0.00E+00	1.36E-01	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.91E-01
913 ALL	643667.4	4250746	NonCancel	1.62E-01	1.63E-01	1.12E+00	0.00E+00	0.00E+00	1.84E-01	4.81E-04	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.12E+00
914 ALL	643668.6	4250646	NonCancel	1.55E-01	1.55E-01	1.08E+00	0.00E+00	0.00E+00	1.75E-01	4.73E-04	0.00E+00	1.47E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.08E+00
915 ALL	643669.3	4250586	NonCancel	5.44E-02	5.51E-02	3.83E-01	0.00E+00	0.00E+00	7.16E-02	4.02E-04	0.00E+00	1.22E-01	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.83E-01
916 ALL	643629	4250586	NonCancel	6.65E-02	6.78E-02	4.61E-01	0.00E+00	0.00E+00	9.25E-02	5.68E-04	0.00E+00	1.87E-01	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.61E-01
917 ALL	643529	4250584	NonCancel	3.70E-02	3.78E-02	2.73E-01	0.00E+00	0.00E+00	6.43E-02	7.31E-04	0.00E+00	1.90E-01	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	2.73E-01
918 ALL	643429	4250582	NonCancel	1.68E-02	1.76E-02	1.31E-01	0.00E+00	0.00E+00	4.19E-02	5.88E-04	0.00E+00	1.75E-01	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	1.75E-01



TAYLOR
ENVIRONMENTAL
SERVICES, INC.

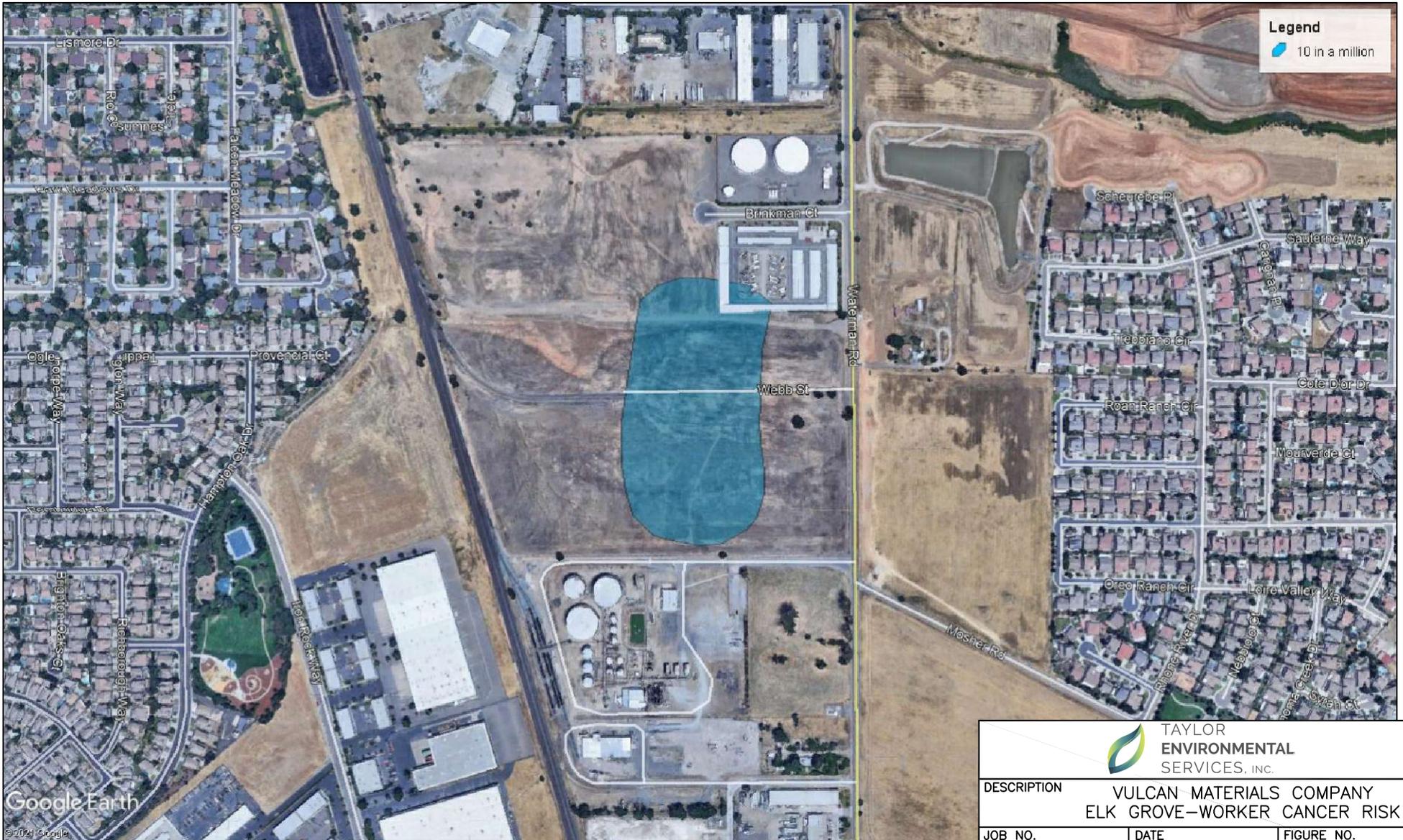
EXHIBIT 2 MODELING RISK COUTOUR MAPS



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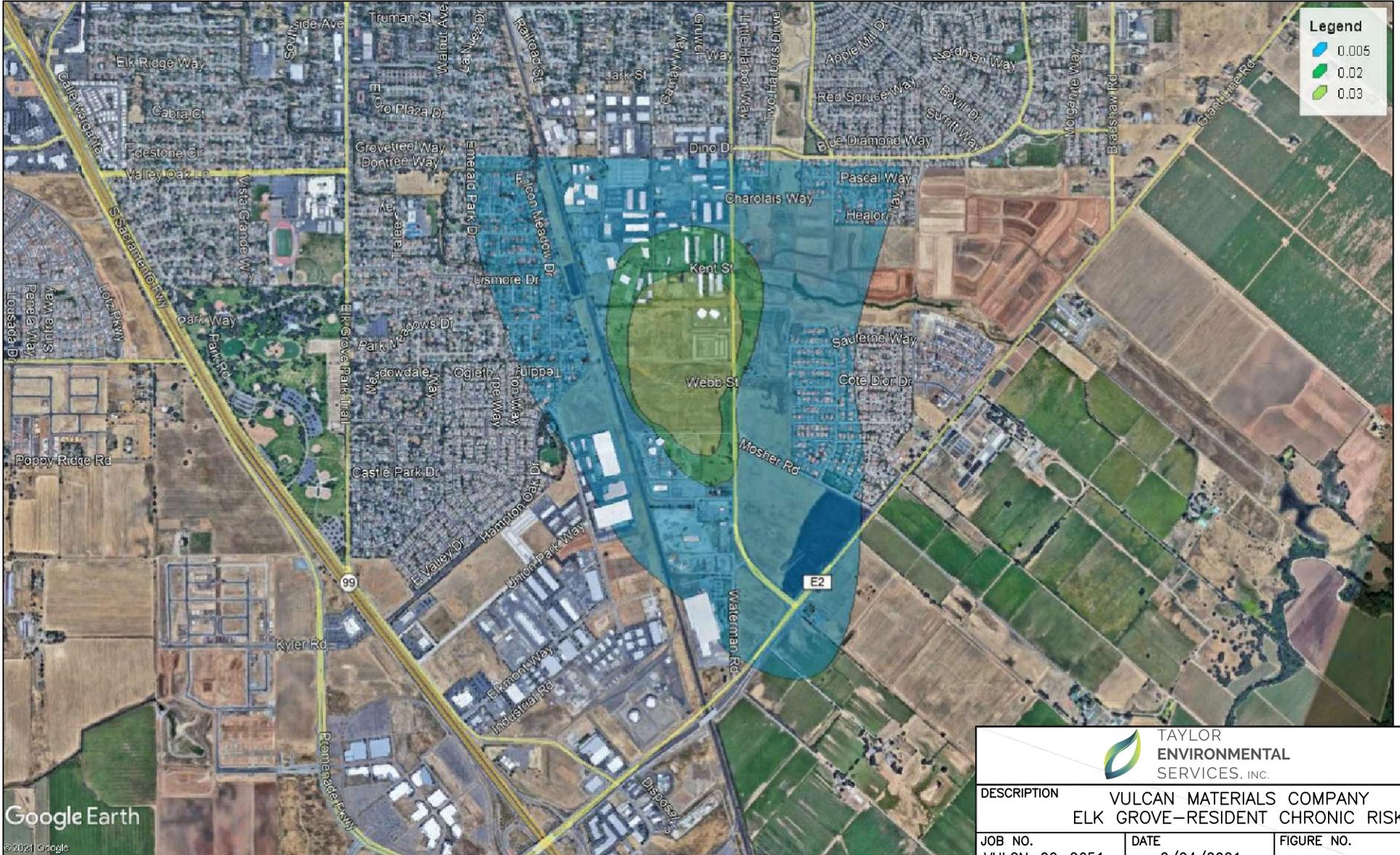
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 TAYLOR ENVIRONMENTAL SERVICES, INC.		
DESCRIPTION VULCAN MATERIALS COMPANY ELK GROVE-RESIDENT CANCER RISK		
JOB NO. VULCN-20-2651	DATE 2/24/2021	FIGURE NO.



Legend
■ 10 in a million

 TAYLOR ENVIRONMENTAL SERVICES, INC.		
DESCRIPTION	VULCAN MATERIALS COMPANY ELK GROVE—WORKER CANCER RISK	
JOB NO.	DATE	FIGURE NO.
VULCN-20-2651	2/24/2021	



Legend

- 0.005
- 0.02
- 0.03



TAYLOR
ENVIRONMENTAL
SERVICES, INC.

DESCRIPTION VULCAN MATERIALS COMPANY
ELK GROVE—RESIDENT CHRONIC RISK

JOB NO.
VULCN-20-2651

DATE
2/24/2021

FIGURE NO.

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Legend	
■	0.01
■	0.02
■	0.03



TAYLOR
ENVIRONMENTAL
SERVICES, INC.

DESCRIPTION VULCAN MATERIALS COMPANY
ELK GROVE—WORKER CHRONIC RISK

JOB NO.
VULCN-20-2651

DATE
2/24/2021

FIGURE NO.

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- 0.01
- 0.02
- 0.03

TAYLOR ENVIRONMENTAL SERVICES, INC.

DESCRIPTION VULCAN MATERIALS COMPANY
ELK GROVE-WORKER CHRONIC 8 HOUR RISK

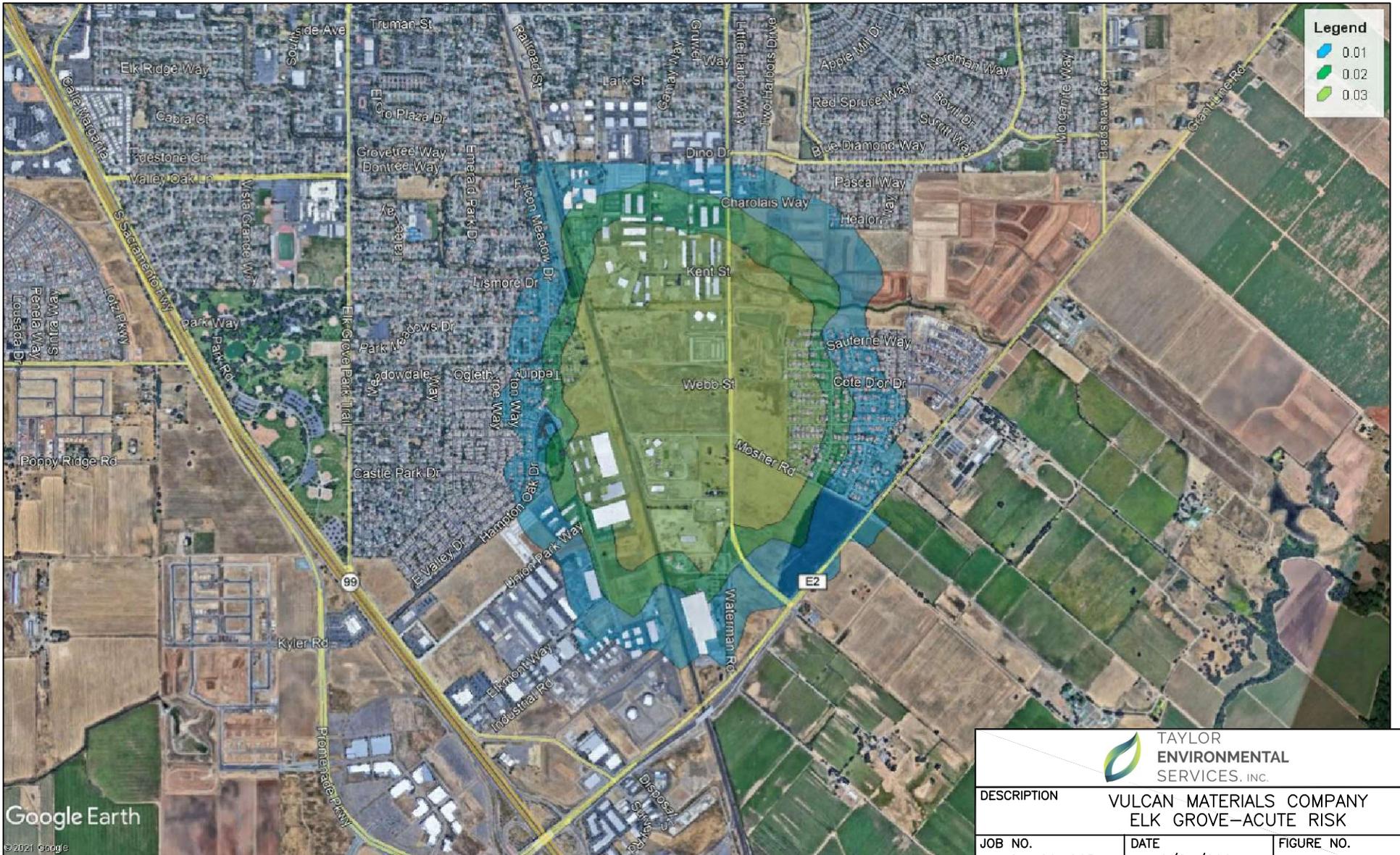
JOB NO.
VULCN-20-2651

DATE
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- 0.01
- 0.02
- 0.03

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 TAYLOR ENVIRONMENTAL SERVICES, INC.		
DESCRIPTION		VULCAN MATERIALS COMPANY ELK GROVE—ACUTE RISK
JOB NO.	DATE	FIGURE NO.
VULCN-20-2651	2/24/2021	

Appendix C

Cultural Resources

Archaeological and traditional property locations are considered confidential and should not be disclosed to the general public or unauthorized persons. This document contains sensitive information regarding the nature and location of archaeological sites. Public access to information regarding the location, character, or ownership of a cultural or heritage resource is restricted by law per Section 304 of the National Historic Preservation Act; Section 9(a) of the Archaeological Resources Protection Act; Executive Order 13007; and is exempt from the California Public Records Act under Government Code Section 6254.10.

Appendix D

Noise

Environmental Noise & Vibration Assessment

Grantline Construction Aggregate Production & Recycling Facility

Elk Grove, California

BAC Job # 2019-127

Prepared For:

Vulcan Materials – Western Region

Attn: Mr. Terry Marshall

Prepared By:

Bollard Acoustical Consultants, Inc.



Paul Bollard, President

September 11, 2022



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Executive Summary

Bollard Acoustical Consultants, Inc. (BAC) was retained by Vulcan Materials, Inc., to evaluate potential noise and vibration impacts related to the proposed Grant Line Construction Aggregate Production and Recycling Facility (Project) in Elk Grove, California. This report contains BAC's evaluation.

Specific noise and vibration sources evaluated included asphalt and ready-mix concrete production plants, recycle facility operations, and on-site and off-site heavy truck traffic related to these operations.

Noise and vibration measurements were conducted in the project site vicinity to establish baseline conditions. Measured ambient noise levels were used to develop the project standards of significance in conjunction with adopted City of Elk Grove General Plan noise standards and California Environmental Quality Act (CEQA) guidelines.

The SoundPlan noise prediction model was used to predict noise exposure at the nearest residences from on-site noise sources and the FHWA traffic noise prediction model was used to predict increases in off-site noise levels due to heavy truck traffic on the local roadway network.

This evaluation concludes that noise and vibration generated by the project would be satisfactory relative to City of Elk Grove noise standards and CEQA Guidelines. However, there are many variables which affect the noise generation of the proposed facility and, despite extensive analysis, it is difficult to precisely account for all variables in the noise modelling process. Given the sensitivity of the nearby residential receptors and the proposed periodic nighttime operation of the asphalt and ready-mix plants, this analysis recommends that appropriate noise control procedures, such as limitations on hours of operations for recycle plant and aggregate loadout operations, ensuring that all processing area conveyors are properly lubricated at all times, utilizing electric line power rather than generators for on-site power, equipping all mobile plant area equipment with acoustic "growler-type" backup warning systems, rather than conventional "beepers", etc. Such measures, including follow-up testing to ensure compliance with applicable City of Elk Grove noise standards, would reduce the potential concerns of nearby residents related to project-generated noise levels, particularly during nighttime periods.

It should be noted that warehouse buildings are proposed on the properties to the immediate north and east of the project site. Those buildings, once constructed, would provide substantial additional shielding of on-site noise sources to sensitive receptors to the east and north. For a conservative assessment of project noise exposure at the nearest residences, shielding provided by those future buildings was not included in this analysis. Once these buildings are constructed noise levels to the east and north will be reduced.

Introduction & Project Description

The proposed project is the Grant Line Construction Aggregate Production and Recycling Facility Project (Project). The 25-acre Project site is located at 10,000 Waterman Road (Assessor's Parcel Numbers 134-0181-001, 134-0181-002 and 134-0181-003), approximately 3,000 feet north of Grant Line Road, in the City of Elk Grove, California. Access to the Project Site is via Waterman Road. Figures 1 and 2 show the Project location and proposed site plan.

The Project proposes to redevelop the heavy industrial site into an aggregate processing facility capable of processing 300,000 tons of hot mix asphalt, 200,000 tons of ready-mix concrete, and 200,000 tons of recycled asphalt and concrete annually. In order to produce these construction aggregate materials about 600,000 tons of raw aggregate would be imported to the facility. The facility would recycle asphalt and concrete brought to the facility from local demolition projects, which would be crushed into an aggregate product that can be reused in hot mix asphalt and ready-mix concrete. The project is proposing the ability to operate 24 hours a day and 7 days a week, on an as needed basis to support public paving and infrastructure projects.

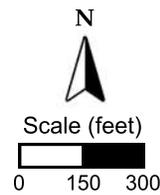
The Project Site has a City of Elk Grove General Plan land use designation of Heavy Industrial (HI) land uses. It is bordered to the north by light and heavy industrial lands with a storage facility next door. To the south is an existing asphalt oil storage/processing facility with three large tanks, production facilities and a railroad spur. To the east, across Waterman Road, are resource management and conservation lands under a triple 500 Kv PG&E transmission line right-of-way as well as light industrial lands. Further east are single-family residential areas. To the west, is the Union Pacific Railroad's 300-foot-wide right-of-way. Further west of the right-of-way is a blend of heavy and light industrial land uses, a park, and low-density residential areas.

Due to the proximity of the existing residences to the west and east of the project site, the project applicant has retained Bollard Acoustical Consultants, Inc. to prepare this assessment of potential project-related noise and vibration impacts.



Legend

-  Project Border (Approximate)
-  Railroad Tracks
-  # Short-Term Noise Level Measurement Location



Grant Line Construction
 Aggregate Production & Recycling Project
 Elk Grove, California

Project Area

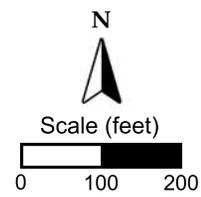
Figure 1





Grant Line Construction
 Aggregate Production & Recycling Project
 Elk Grove, California
 Proposed Site Plan

Figure 2



Analysis Objectives

The objectives of this analysis are as follows:

- To provide information pertaining to noise and vibration fundamentals and terminology.
- To identify existing sensitive land uses in the immediate project vicinity.
- To describe existing ambient noise and vibration levels in the immediate project vicinity.
- To describe applicable thresholds of significance by using the California Environmental Quality Act (CEQA) Guidelines in concert with City of Elk Grove noise standards.
- To predict project-related noise and vibration levels at the nearest noise-sensitive areas.
- To compare predicted noise and vibration levels against the applicable thresholds of significance.
- To evaluate noise and vibration mitigation options where significant project-related impacts are identified.

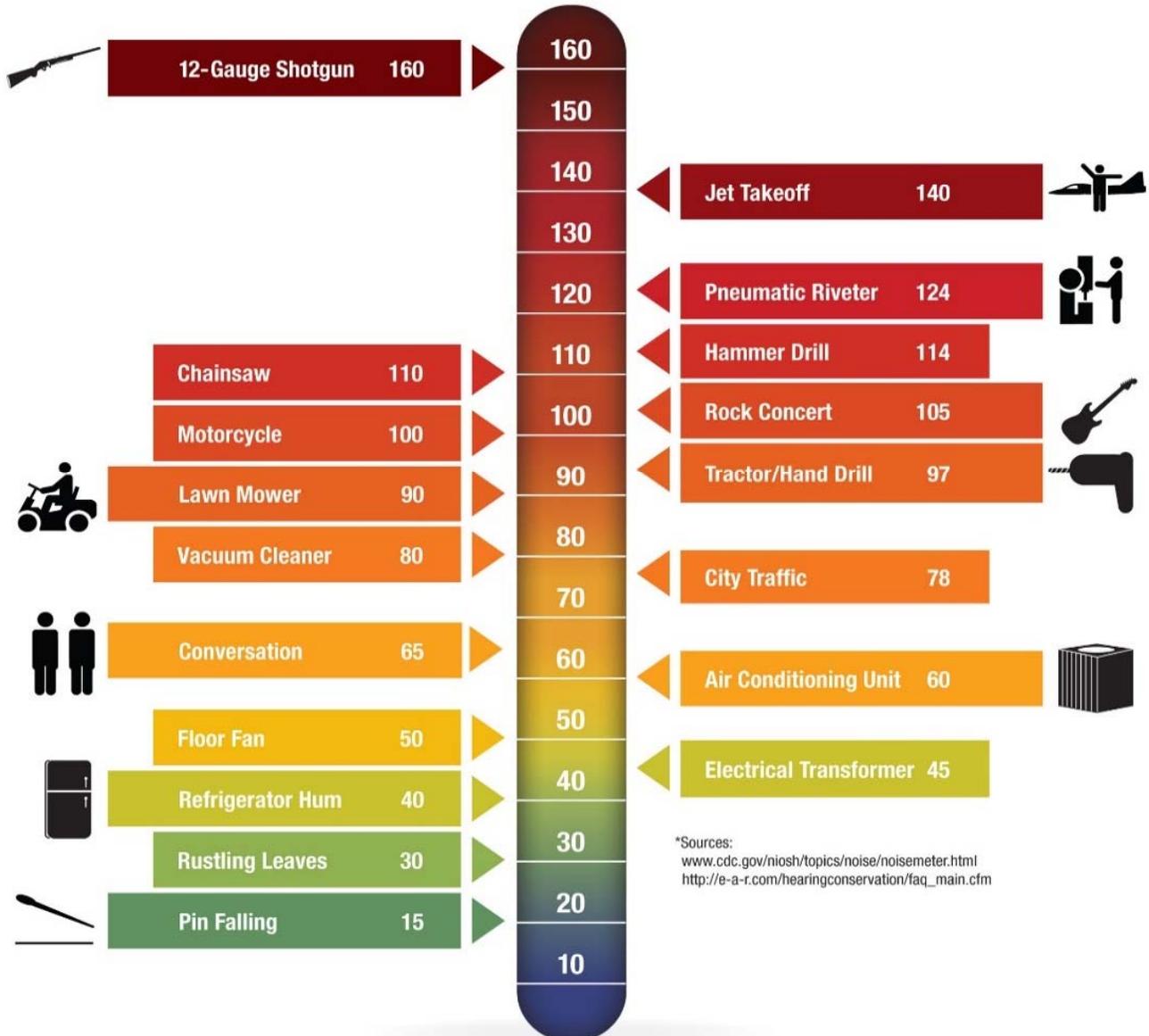
Noise and Vibration Fundamentals and Terminology

Noise/Sound

Noise is often described as unwanted sound. Sound is defined as any pressure variation in air that human hearing can detect. If the pressure variations occur frequently enough (i.e., at least 20 times per second) they can be identified as sound. The number of pressure variations per second is called the frequency of sound, and is expressed as cycles per second or Hertz (Hz). Please see Appendix A for definitions of terminology used in this report.

Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale utilizes the hearing threshold (20 micropascals of pressure) as a point of reference, defined as 0 dB. Other sound pressures are then compared to the reference pressure, and the logarithm is taken to keep the numbers within a practical range. The decibel scale allows a million-fold increase in pressure to be expressed as 120 dB. Another useful aspect of the decibel scale is that changes in decibel levels correspond closely to human perception of relative loudness. Figure 3 illustrates common noise levels associated with various sources.

Figure 3
Typical A-Weighted Sound Levels of Common Noise Sources
Decibel Scale (dBA)*



Community noise is commonly described in terms of the ambient noise level, which is defined as the all-encompassing noise level associated with a given noise environment. A common statistical tool to measure the ambient noise level is the average, or equivalent, sound level (L_{eq}) over a given time period (usually one hour). The L_{eq} is the foundation of the Day-Night Average Level noise descriptor, L_{dn} , and shows very good correlation with community response to noise.

The Day-Night Average Level (L_{dn}) is based upon the average noise level over a 24-hour day, with a +10 decibel weighting applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. The nighttime penalty is based upon the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures. Because L_{dn} represents a 24-hour average, it tends to disguise short-term variations in the noise environment. L_{dn} based noise standards are commonly used to assess noise impacts associated with traffic, railroad and aircraft noise sources.

Effects of Noise on People

The effects of noise on people can be divided into three categories:

- Subjective effects of annoyance, nuisance, dissatisfaction;
- Interference with activities such as speech, sleep, and learning; and
- Physiological effects such as hearing loss or sudden startling.

Environmental noise typically produces effects in the first two categories. Workers in industrial plants can experience noise in the third category. There is no completely satisfactory way to measure the subjective effects of noise or the corresponding reactions of annoyance and dissatisfaction. A wide variation in individual thresholds of annoyance exists, and different tolerances to noise tend to develop based on an individual's past experiences with noise.

The perceived loudness of sound is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable, and can be approximated by weighting the frequency response of a sound level meter by means of the standardized A-weighting network. There is a strong correlation between A-weighted sound levels (expressed as dBA) and community response to noise. All noise levels reported in this section are A-weighted.

An important way of predicting a human reaction to a new noise environment is the way it compares to the existing environment (or ambient noise) to which one has adapted. In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will be judged by those hearing it. With regard to increases in A-weighted noise level, the following relationships occur (Caltrans, 2013):

- It is widely accepted that the average healthy ear can barely perceive noise level changes of 3 dBA;
- A change in level of 5 dBA is a readily perceptible increase in noise level; and
- A 10 dBA change is recognized as twice as loud as the original source.

These relationships occur in part because of the logarithmic nature of sound and the decibel system. Noise levels are measured on a logarithmic scale, instead of a linear scale. On a logarithmic scale, the sum of two noise sources of equal loudness is 3 dBA greater than the noise generated by only one of the noise sources (e.g., a noise source of 60 dBA plus another noise source of 60 dBA generate a composite noise level of 63 dBA). To apply this formula to a specific

noise source, in areas where existing levels are dominated by traffic, a doubling in traffic volume will increase ambient noise levels by 3 dBA. Similarly, a doubling in heavy equipment use, such as the use of two pieces of equipment where one formerly was used, would also increase ambient noise levels by 3 dBA.

Single-Event Noise & Sleep Disturbance

A single event is an individual distinct loud activity, such as a blasting event, an aircraft overflight, a train or truck passage, or any other brief and discrete noise-generating activity. Noise exposure quantified in terms of 24-hour-averaged descriptors, such as L_{dn} or CNEL, can mask the potential for annoyance or sleep disturbance associated with individual loud events due to the averaging process.

Extensive studies have been conducted regarding the effects of single-event noise on sleep disturbance, with the Sound Exposure Level (SEL) metric being a common metric used for such assessments. SEL represents the entire sound energy of a given single-event normalized into a one-second period regardless of event duration. As a result, the single-number SEL metric contains information pertaining to both event duration and intensity. Another descriptor utilized to assess single-event noise is the maximum, or L_{max} , noise level associated with the event. A problem with utilizing L_{max} to assess single events is that the duration of the event is not considered.

Due to the wide variation in test subjects' reactions to noises of various levels (some test subjects were awakened by indoor SEL values of 50 dB, whereas others slept through indoor SEL values exceeding 80 dB), no definitive consensus has been reached with respect to a universal criterion to apply to environmental noise assessments. The Federal Interagency Committee on Aviation Noise (FICAN) has provided estimates of the percentage of people expected to be awakened when exposed to specific SEL inside a home (FICAN 1997). According to the FICAN study, an estimated 5 to 10% of the population is affected when interior SEL noise levels are between 65 and 81 dB, and few sleep awakenings (less than 5%) are predicted if the interior SEL is less than 65 dB.

Noise Attenuation with Distance

Stationary "point" sources of noise, attenuate (lessen) at a rate of approximately 6 dBA per doubling of distance from the source, not accounting for environmental conditions (i.e., atmospheric conditions, noise barriers, ground type, vegetation, topography, etc.). Surface traffic (a "moving point" source), would typically attenuate at a lower rate, approximately 4.5 dBA per doubling distance from the source (also dependent upon environmental conditions).

Noise from aggregate processing sites (with heavy mobile and stationary equipment and trucks entering and exiting the site daily) would have characteristics of both "point" and "line" sources, so attenuation would generally range between 4.5 and 6 dBA per doubling of distance. Atmospheric absorption of sound varies depending on temperature and relative humidity, as well as the frequency content of the noise source. In general, "average day" atmospheric conditions result in attenuation at a rate of approximately 1.5 dB per thousand feet of distance in the 1,000 hertz frequency band (SAE ARP 866A, 1975).

Atmospheric (Molecular) Absorption and Anomalous Excess Attenuation

Air absorbs sound energy. The amount of absorption is dependent on the temperature and humidity of the air, as well as the frequency of the sound. Families of curves have been developed which relate these variables to molecular absorption coefficients, frequently expressed in terms of dB per thousand feet. For standard day atmospheric conditions, defined as 59 degrees Fahrenheit and 70% relative humidity, the molecular absorption coefficient at 1000 hertz is 1.5 dB per thousand feet. Molecular absorption is greater at higher frequencies, and reduced at lower frequencies. In addition, for drier conditions, the molecular absorption coefficients generally increase. Similarly, as temperature increases, molecular absorption coefficients typically increase as well.

Anomalous excess attenuation caused by variations in wind speed, wind direction, and thermal gradients in the air can typically be estimated using an attenuation rate of 1.5 dB per thousand feet for a noise source generating a 1000 hertz signal. As with molecular absorption, anomalous excess attenuation typically decrease with lower frequencies and increases with higher frequencies.

For this analysis, the SoundPlan Version 8.2 noise prediction model was used to project noise generated at the project site to the nearest residences. International Standards Organization (ISO) 9613-2 was employed as the sound propagation methodology within SoundPlan. ISO 9613-2 applies appropriate octave-band offsets for atmospheric absorption for various combinations of temperature and relative humidity for each noise source associated with the project.

Effects of Topographic Shielding

A noise barrier is any impediment which intercepts the path of sound as it travels from source to receiver. Such impediments can be natural, such as a hill or other naturally occurring topographic feature which blocks the receiver's view of the source. Impediments can also be vegetative, such as heavy tree cover which similarly blocks the source from view of the receiver. In addition, impediments can be man-made, such as an aggregate stockpile, solid wall, earthen berm, or structure constructed between the noise source and receiver. Regardless of the type of impediment, the physical properties of sound are such that, at the point where the line-of-sight between the source and receiver is interrupted by a barrier, a 5 dB reduction in sound occurs.

The effectiveness of a barrier is a function of the difference in distance sound travels on a straight-line path from source to receiver versus the distance it must travel from source to barrier, then barrier to receiver. This difference is referred to as the "path length difference", and is used to calculate the Fresnel Number. A barrier's effectiveness is a function of the Fresnel number and frequency content of the source. In general, the more acute the angle of the sound path created by the introduction of a barrier, the greater the noise reduction provided by the barrier.

For this project, the degree of shielding provided by intervening structures will vary by direction, but there is not a significant amount of topographic shielding given the relatively flat project site and surrounding areas. Where shielding by buildings would occur, the level of noise reaching the receiver would be lower than at unshielded receivers located the same distances from the source.

To account for shielding of project noise sources by intervening structures, elevation data for the entire study area was input to the SoundPlan model to create a 3-dimensional base map. Noise source and receptor heights were input within the base map and the noise prediction model automatically computed the degree of acoustic shielding between each source and receptor.

Effects of Ground Cover

Ground cover also affects sound propagation. For example, soft ground is more acoustically absorptive than paved surfaces and vegetated ground is more absorptive still. For this analysis, it was assumed that the project site would essentially consist of acoustically hard surfaces (paved roads and compacted dirt), with little sound absorption. Conversely, the area surrounding the project site is moderately vegetated, primarily with grass and oak trees. Using aerial imagery and project site plans, the SoundPlan model inputs for both hard surfaces, soft surfaces, and vegetated areas were applied. The degree of sound absorption applied to each noise source at each receptor varies depending on the type of ground cover and distance between the noise sources and receptors. The greater the distance between the project site and the sensitive receptors, the greater the amount of intervening vegetation and the higher the degree of sound absorption. Where the ground between the noise source and receptor consists primarily of hardscape, the model applied positive offsets to account for reflections of sound from those surfaces.

Vibration

Vibration is like noise in that it involves a source, a transmission path, and a receiver. While vibration is related to noise, it differs in that noise is generally considered to be pressure waves transmitted through air, while vibration is usually associated with transmission through the ground or structures. As with noise, vibration consists of an amplitude and frequency. A person's response to vibration will depend on their individual sensitivity as well as the amplitude and frequency of the source.

Vibration can be described in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration in terms of peak particle velocities (inches/second) or rms velocities (VdB). Standards pertaining to perception as well as damage to structures have been developed for vibration in terms of peak particle velocity.

As vibrations travel outward from the source, they excite the particles of rock and soil through which they pass and cause them to oscillate. Differences in subsurface geologic conditions and distance from the source of vibration will result in different vibration levels characterized by different frequencies and intensities. In all cases, vibration amplitudes will decrease with increasing distance. The maximum rate, or velocity of particle movement, is the commonly accepted descriptor of the vibration "strength".

Human response to vibration can be difficult to quantify. Vibration can be felt or heard well below the levels that produce any damage to structures. The duration of the event has an effect on human response, as does the frequency of the event. Generally, as the duration and vibration frequency increase, the potential for adverse human response increases.

According to the Transportation and Construction-Induced Vibration Guidance Manual (Caltrans, June 2004), operation of construction equipment and construction techniques generate ground vibration. Traffic traveling on roadways can also be a source of such vibration. At high enough amplitudes, ground vibration has the potential to damage structures and/or cause cosmetic damage (e.g., crack plaster). Ground vibration can also be a source of annoyance to individuals who live or work close to vibration-generating activities. However, traffic, including heavy trucks traveling on a highway, rarely generates vibration amplitudes high enough to cause structural or cosmetic damage.

Baseline Noise Environment

Identification of Existing Sensitive Receivers

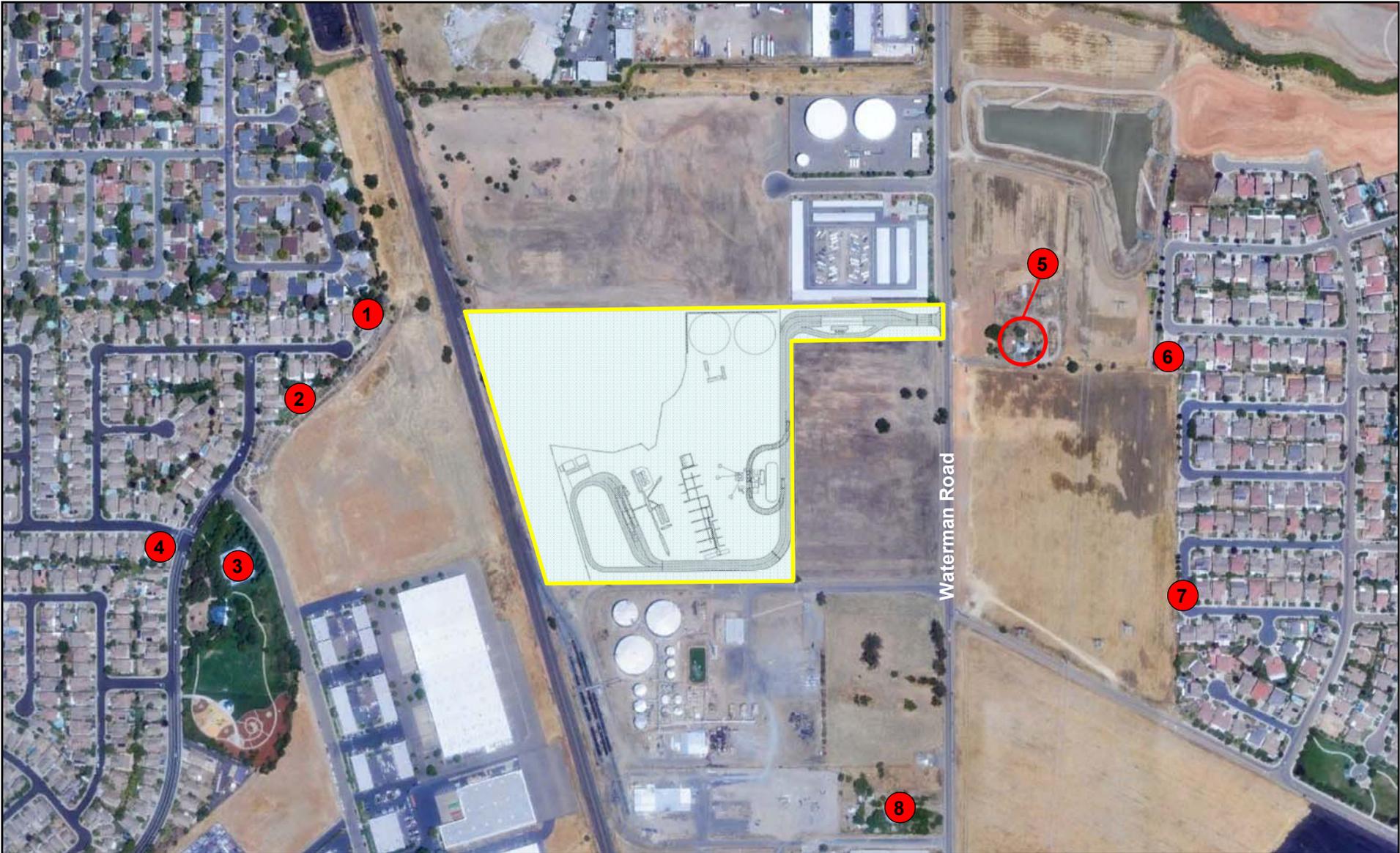
BAC utilized aerial imagery and site inspections to identify the nearest potentially affected sensitive receptors to the project site. Although the site is bordered by industrial uses to the north and south which are considered insensitive land uses, existing residential uses are present to the west of the railroad tracks and to the east of Waterman Road. Figure 4 identifies the locations of the 8 nearest sensitive receptors to the project site which were analyzed for this study. It is important to note that it is not necessary to model noise and vibration levels at every sensitive receptor.

In addition to the residential receptors in the general vicinity of the Plant and Quarry Sites, there are also sensitive receptors located adjacent to the roadways which will be utilized by project traffic. The primary roadways which will be utilized by project traffic include the following:

- Waterman Road (site access is from this roadway)
- Grant Line Road
- Kammerer Road
- Highway 99

Existing Ambient Noise Environment

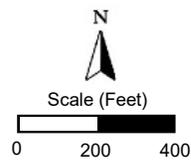
The existing ambient noise environment in the immediate project vicinity is defined primarily by local and distant traffic, nearby industrial activities and railroad operations on the adjacent Union Pacific Railroad (UPRR) tracks along the western site border. To quantify baseline ambient noise levels, BAC utilized a combination of short-term ambient noise surveys and traffic noise modelling.



Legend

 Project Site

 Representative Sensitive Receptor Locations



Representative Nearest Sensitive Receptor Locations

Figure 4



Ambient Noise Survey

BAC staff conducted a site visit on November 25, 2019 during which time an ambient noise and vibration survey was conducted. Specifically, short term monitoring was conducted at 2 locations. The ambient noise monitoring sites were located as indicated on Figure 1 (page 5).

Monitoring Site 1 was selected to be generally representative of typical noise exposure at the residential development to the west of the project site. Because the residences to the west of the site are not as affected by local traffic as the residences to the east of the project site, Site 1 was monitored for a period of 6 consecutive hours, including BAC staff observations, to obtain a broader sample of ambient conditions at the residences to the west.

Site 2 was selected to be generally representative of typical noise exposure at the nearest existing residence to the east of the project site. Because the ambient noise environment at the residences to the east are more influenced by local traffic noise, two 15-minute traffic noise measurements were conducted with concurrent truck classification counts at Site 2. That data was used to calibrate the traffic noise prediction model for the prediction of baseline traffic noise levels at the nearest residences to the east of the Project site.

Larson Davis Laboratories (LDL) Model 820 precision integrating sound level meters were used to complete the ambient noise level measurement surveys. The meters were calibrated before and after use with an LDL Model CAL200 acoustical calibrator to ensure the accuracy of the measurements. The equipment used meets all pertinent specifications of the American National Standards Institute for Type 1 (Precision) sound measurement equipment (ANSI S1.4). Appendix B shows photographs of the noise measurement locations.

The ambient noise measurement results are summarized in Table 1. Figure 5 shows a graph of the ambient noise measurement results at Site 1.

Table 1			
Ambient Noise Measurement Results			
Grant Line Construction Aggregate Production and Recycling Facility			
Site	Description	Leq, dBA	Lmax, dBA
1	Western Portion of Project Area – 200 feet from the Railroad Tracks	59	83
2	Eastern Portion of Project Area – 200 feet from Waterman Road centerline	58	71

Source: Bollard Acoustical Consultants, Inc. See Figure 1 for noise measurement locations.

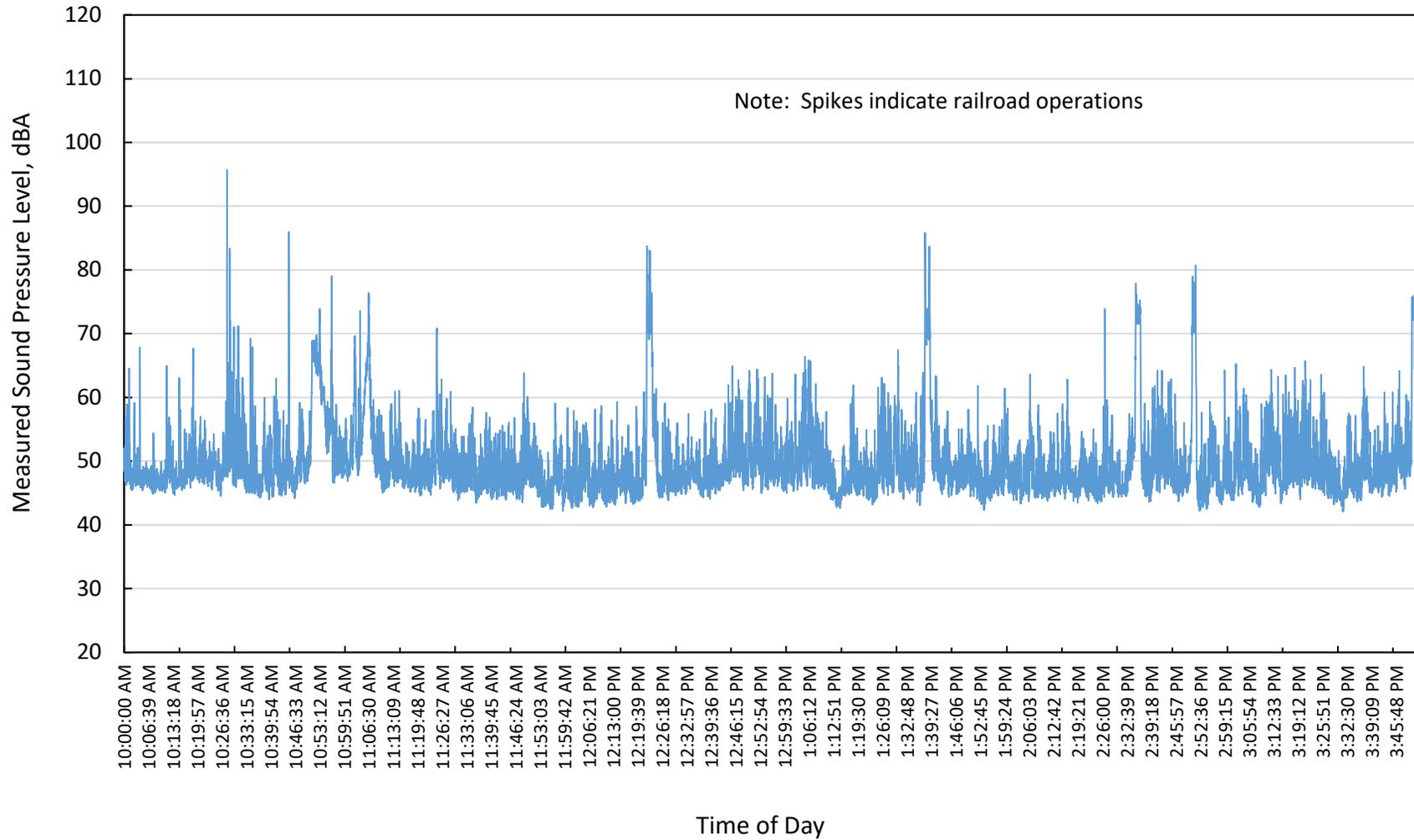
The ambient noise survey results indicate that baseline daytime ambient conditions at the nearest residences to the east and west are somewhat elevated. The spikes shown on Figure 4 were generally caused by 8 railroad passbys during the survey period. The significance of the ambient noise measurement results are discussed in greater detail in the noise impact evaluation section of this report.

Figure 5

Ambient Noise Measurement Results - Site 1

Grant Line Construction Aggregate Production and Recycling Project Vicinity - Elk Grove, California

November 25, 2019



Baseline Traffic Noise Levels

To describe existing noise levels due to traffic, the Federal Highway Administration Highway Traffic Noise Prediction Model (FHWA RD-77-108) was used. The Model is based on the Calveno reference noise factors for automobiles, medium trucks, and heavy trucks with consideration given to vehicle volume, speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the area. The Model was developed to predict hourly L_{eq} values for free-flowing traffic conditions. The day/night distribution of traffic is factored into the Model calculations to assess noise exposure in terms of L_{dn} .

To check the accuracy of the FHWA Model in predicting existing Waterman Road traffic noise levels in the immediate project vicinity, BAC staff conducted short-term (30 minute) traffic noise level measurements and concurrent traffic counts at monitoring Site 2 (see Figure 1) on December 3, 2019. The measured noise level was compared against the level predicted by the FHWA Model for the traffic volumes present during the measurement period. The results of that analysis indicate that the difference between measured and modelled traffic noise levels was 1 dB, which is considered good agreement. As a result, the FHWA model was used to predict Waterman Road traffic noise levels without adjustment. Appendix C contains the results of the traffic calibration procedure.

Traffic volumes for existing conditions were obtained from the Traffic Impact Analysis (TIA) prepared for this project by Fehr and Peers Transportation Consultants. The percentages of truck usage on the area roadways were obtained from Caltrans truck counts and BAC observations and experience for similar roadways. Vehicle speeds were based on posted speed limits with adjustments for BAC Field observations.

Table 2 shows the predicted existing traffic noise levels in terms of L_{dn} at the approximately distance from the identified segment to the nearest residences. Where noise barriers exist between existing residences and the identified roadway segments, existing traffic noise levels would be substantially lower than the levels shown in Table 2. As such, the Table 2 levels represent worst-case baseline traffic noise exposure. The FHWA Model input data for existing conditions is provided in Appendix D-1.

Table 2
Summary of Existing Traffic Noise Exposure for Local Area Roadways
Grant Line Construction Aggregate Production and Recycling Facility

Roadway	Segment	Distance ¹	Ldn, dBA ²	Distance to Ldn Contours (ft)		
				70	65	60
Waterman Rd	North of Project Site	60	67	39	85	183
	Project Site to Grantline	200	58	29	63	137
Grant Line Rd	East of Waterman	80	70	82	176	379
	Waterman to 99	100	70	98	211	454
	West of 99	65	70	66	142	306
Highway 99	North of Grant Line	150	77	424	914	1,969
	South of Grant Line	150	76	403	867	1,869

1. This column represents the approximate distance from the roadway centerline to the nearest identified residence to the roadway segment.
2. Where noise barriers exist along portions of the roadway segment actual noise levels would be substantially lower than indicated.

Sources: FHWA-RD-77-108 with inputs from Fehr & Peers, BAC, and Caltrans

The Table 2 data indicate that existing traffic noise levels at the nearest residences to the roadways which will be most heavily utilized by project traffic are elevated, exceeding 70 dB L_{dn} at residences along Grant Line Road and Highway 99. At the nearest residence to the east of the project site, located approximately 200 feet east of Waterman Road, existing traffic noise levels are computed to be approximately 58 dB L_{dn}. As indicated in Table 1, measured existing ambient noise levels at that residence are approximately 58 dB L_{eq} and 71 dB L_{max} during daytime hours. During nighttime hours, average (L_{eq}) ambient conditions are predicted to be approximately 50 dB L_{eq} with maximum levels remaining at approximately 70 dB L_{max}.

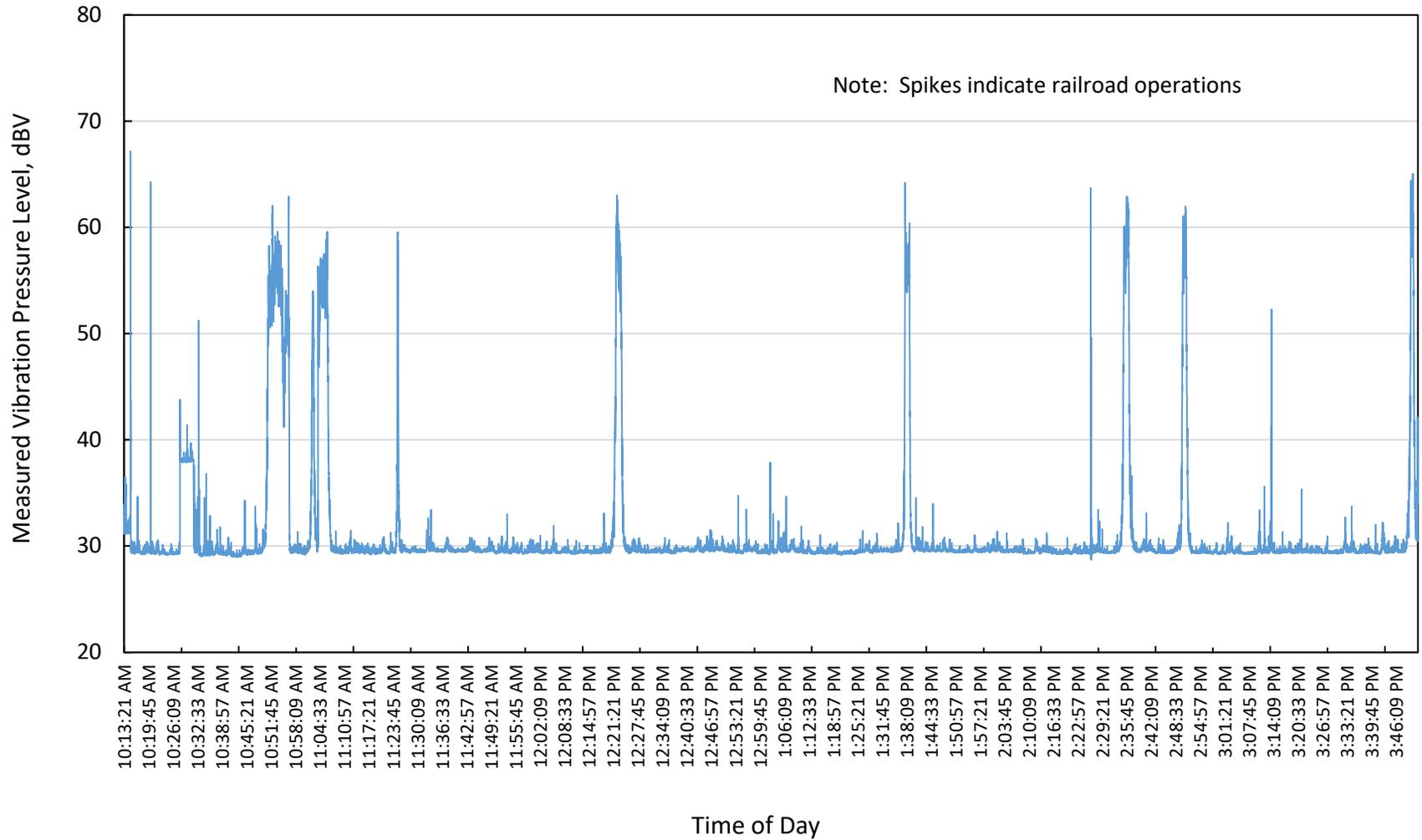
Baseline Vibration Environment

The existing ambient vibration environment at the eastern portion of the project site was subjectively evaluated by BAC staff as being imperceptible during field surveys. As a result, the evaluation of baseline vibration levels at the project site focused on the western portion of the site nearest to the railroad tracks. To quantify baseline ambient vibration levels at the monitoring Site 1 (see Figure 1), vibration measurements were conducted over a 5 hour period on November 25, 2019. Vibration measurement equipment consisted of a Larson Davis Laboratories (LDL) Model LxT meter equipped with a PCB Electronics velocity transducer. The system was calibrated in the field prior to use to ensure the accuracy of the vibration surveys.

Figure 6 shows the measured vibration levels at monitoring Site 1. The spikes shown on Figure 6 represent brief periods of increased ground vibration during railroad passbys on the tracks located approximately 220 feet to the west of the monitoring site.

In the absence of railroad activity, measured vibration levels were approximately 30 VdB, which is well below the threshold of human perception. During the railroad passbys, measured vibration levels ranged from approximately 60 to 67 VdB.

Figure 6
Ambient Vibration Measurement Results - Site 1
Grant Line Construction Aggregate Production and Recycling Project Vicinity - Elk Grove, California
November 25, 2019



Criteria for Acceptable Noise Exposure

The California Environmental Quality Act (CEQA) contains noise impact assessment guidelines. In addition, California cities and counties are required to adopt a Noise Element as part of the General Plan. Cities and counties typically also adopt a noise ordinance. The Project site is located in the City of Elk Grove, California, which has both a General Plan Noise Element and a Municipal Code Noise Ordinance. Applicable CEQA Guidelines, Nevada County noise-level criteria, and appropriate criteria of other jurisdictions are discussed below.

California Environmental Quality Act (CEQA) Guidelines

The State of California has established regulatory criteria that are applicable to this assessment. Specifically, Appendix G of the CEQA Guidelines are used to assess the potential significance of impacts pursuant to local General Plan policies, Municipal Code standards, or the applicable standards of other agencies. According to the CEQA guidelines, the project would result in a significant noise or vibration impact if the following occur:

- A. Generation of substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or in other applicable standards of other agencies?
- B. Generation of excessive groundborne vibration or groundborne noise levels?
- C. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

As noted in CEQA Criteria “A” above, a project’s noise impacts must be evaluated relative to both the **increase** in noise level which would result from the project as well as compliance with standards established in the local general plan or noise ordinance.

The City of Elk Grove General Plan Noise Element and Noise Ordinance do not have a specific policy or standard for assessing noise impacts associated with **increases** in off-site ambient noise levels resulting from project-generated traffic on public roadways.

Because CEQA requires that the significance of noise impacts be evaluated relative to the **increase** in noise resulting from a project, where the local jurisdiction does not have such adopted thresholds, reasonable thresholds from other jurisdictions must be considered. As a result, the following section describes Federal thresholds for assessing the significance of project-related increases in off-site heavy truck traffic using federal research conducted by the Federal Interagency Commission on Noise (FICON).

Federal Criteria for Determination of Significant Noise Increases

The Federal Interagency Commission on Noise (FICON) has developed a graduated scale for use in the assessment of project-related noise level increases. The criteria shown in Table 4 was developed by FICON as a means of developing thresholds for impact identification for project-related noise level increases. The FICON standards have been used extensively in recent years by the authors of this section in the preparation of the noise sections of Environmental Impact Reports that have been certified in many California cities and counties.

The use of the FICON standards are considered conservative relative to thresholds used by other agencies in the State of California. For example, the California Department of Transportation (Caltrans) requires a project-related traffic noise level increase of 12 dB for a finding of significance, and the California Energy Commission (CEC) considers project-related noise level increases between 5 to 10 dB significant, depending on local factors. Therefore, the use of the FICON standards, which set the threshold for finding of significant noise impacts as low as 1.5 dB, provides a very conservative approach to impact assessment for this project.

Table 3 Significance of Changes in Cumulative Noise Exposure	
Ambient Noise Level Without Project (Ldn or CNEL)	Change in Ambient Noise Level Due to Project
<60 dB	+5.0 dB or more
60 to 65 dB	+3.0 dB or more
>65 dB	+1.5 dB or more
<i>Source: Federal Interagency Committee on Noise (FICON)</i>	

Based on the FICON research, as shown in Table 3, a 5 dB increase in noise levels due to a project is required for a finding of significant noise impact where ambient noise levels without the project are less than 60 dB. Where pre-project ambient conditions are between 60 and 65 dB, a 3 dB increase is applied as the standard of significance. Finally, in areas already exposed to higher noise levels, specifically pre-project noise levels in excess of 65 dB, a 1.5 dB increase is considered by FICON as the threshold of significance.

As noted previously, audibility is not a test of significance according to CEQA. If this were the case, any project which added any audible amount of noise to the environment would be considered significant according to CEQA. Because every physical process creates noise, whether by the addition of a single vehicle on a roadway, or a tractor in an agricultural field, the use of audibility alone as significance criteria would be unworkable. CEQA requires a substantial increase in ambient noise levels before noise impacts are identified, not simply an audible change.

City of Elk Grove General Plan Noise Criteria

For new projects affected by transportation noise sources, the City of Elk Grove Services, Health, and Safety Element of the General Plan establishes acceptable noise level limits for transportation (such as traffic and railroad) noise sources. Table 4 contains the City’s General Plan noise standards for transportation noise sources. The Table 4 standards are applied to noise-sensitive areas of new development projects. Because the Project is not proposing any of the land-use designations indicated in Table 4 as being noise-sensitive, the Table 4 standards would not technically be applicable to this project.

Table 4 Maximum Allowable Noise Exposure Transportation Noise Sources			
Land Use	Outdoor Activity Areas^{a,b} DNL, dB	Interior Spaces	
		DNL, dB	L_{eq}, dB^c
Residential	60 ^{d,g}	45	--
Residential subject to noise from railroad tracks, aircraft overflights, or similar noise sources which produce clearly identifiable, discrete noise events (the passing of a single train, as opposed to relatively steady noise sources such as roadways)	60 ^{d,g}	40 ^f	--
Transient Lodging	60 ^{e,g}	45	--
Hospitals, Nursing Homes	60 ^{d,g}	45	--
Theaters, Auditoriums, Music Halls	--	--	35
Churches, Meeting Halls	60 ^{d,g}	--	40
Office Buildings	--	--	45
Schools, Libraries, Museums	--	--	45
Notes: a. Where the location of outdoor activity areas is unknown, the exterior noise level standards shall be applied to the property line of the receiving land use. Where it is not practical to mitigate exterior noise levels at patio or balconies of apartment complexes, a common area such as a pool or recreation area may be designated as the outdoor activity area. b. Transportation projects subject to Caltrans review or approval shall comply with the Federal Highway Administration noise standards for evaluation and abatement of noise impacts. c. As determined for a typical worst-case hour during periods of use. d. Where it is not possible to reduce noise in outdoor activity areas to 60 dB DNL or less using a practical application of the best available noise reduction measures, an exterior noise level of up to 65 dB DNL may be allowed provided that available exterior noise level reduction measures have been implemented and interior noise levels are in compliance with this table. e. In the case of hotel/motel facilities or other transient lodging, outdoor activity areas such as pool areas may not be included in the project design. In these cases, only the interior noise level criterion will apply. f. The intent of this noise standard is to provide increased protection against sleep disturbance for residences located near railroad tracks. g. In cases where the existing ambient noise level exceeds 60 dB, the maximum allowable project-related permanent increase in the ambient noise levels shall be 3 dB DNL.			

For non-transportation noise sources, such as those sources associated with the on-site activities proposed at the project site (asphalt, ready-mix and recycling plant operations, and on-site heavy truck circulation), the City of Elk Grove General Plan establishes hourly average (L_{eq}) performance standards for both daytime and nighttime periods. Those noise level limits are reproduced below in Table 5.

Table 5 Noise Level Performance Standards for New Projects Affected by or Including Non-Transportation Noise Sources*			
Performance Standards for Stationary Sources	Noise Level Descriptor	Daytime (7:00 a.m. to 10:00 p.m.)	Nighttime (10:00 p.m. to 7:00 a.m.)
Performance Standards for Typical Stationary Noise Sources ^a	Hourly L _{eq} , dB	55 ^{c,d}	45 ^{c,d}
Performance Standards for Stationary Noise Sources Which Are Tonal, Impulsive, Repetitive, or Consist Primarily of Speech or Music ^b	Hourly L _{eq} , dB	50 ^{c,d}	40 ^{c,d}
<p>* Applies to noise-sensitive land uses only</p> <p>a. These standards will apply generally to noise sources that are not tonal, impulsive, or repetitive in nature. Typical noise sources in this category would include HVAC systems, cooling towers, fans, and blowers.</p> <p>b. These standards apply to noises which are tonal in nature, impulsive, repetitive, or which consist primarily of speech or music (e.g., humming sounds, outdoor speaker systems). Typical noise sources in this category include: pile drivers, drive-through speaker boxes, punch presses, steam valves, and transformer stations. HVAC/pool equipment are exempt from these standards.</p> <p>c. These noise levels do not apply to residential units established in conjunction with industrial or commercial uses (e.g., caretaker dwelling). HVAC/pool equipment are exempt from these standards</p> <p>d. The City may impose noise level standards which are more or less restrictive based upon determination of existing low or high ambient noise levels.</p> <p>Source: City of Elk Grove General Plan Noise Element, Table 8-4</p>			

The primary noise sources associated with the project generate fairly broadband noise, with no distinct tonal or impulsive components. An exception is the back-up warning devices required of mobile equipment, which would primarily be front-end loaders for this project. The project circulation route has been developed such that heavy truck operations would not be required to operate in reverse, so the use of backup warning devices would be primarily limited to loaders. Because those warning devices (beepers) are tonal, the noise standard applicable to those tonal warning devices would be 5 dB lower than the standards applicable to typical noise sources which are not tonal.

As noted in Footnote “d” of Table 5, City may impose noise level standards which are more or less restrictive based upon determination of existing low or high ambient noise levels. Such adjustments are commonly applied as it is infeasible for a single set of noise standards to be representative of public reaction to changes in ambient noise levels on a city-wide basis. Such adjustments are also consistent with CEQA criteria, which require evaluation of noise impacts relative to baseline ambient conditions present without the project.

As noted in Table 1, baseline daytime ambient conditions at locations representative of the nearest sensitive receptors measured 58 and 59 dB L_{eq}. Because those levels exceed the Table 5 daytime average noise level standard of 55 dBA, a daytime noise level standard of 60 dB L_{eq} is used as the standard of significance for the nearest sensitive receptors. During nighttime hours, it is anticipated that ambient conditions would be lower than daytime levels but still elevated due to the local traffic on Waterman Road, and Grant Line? Road, and the more distant Highway 99. As a result, a nighttime exterior noise level standard of 50 dB L_{eq} is applied to this noise impact evaluation at the nearest sensitive receptors.

Elk Grove Municipal Code

Chapter 6.32 of the Elk Grove Municipal Code (Noise Control) also establishes performance standards for stationary noise sources which would be applicable to the project. However, the noise level limits contained in the Municipal Code are identical to those identified in the General Plan. Thus, satisfaction of the General Plan noise level standards shown in Table 5 would ensure for compliance with the Municipal Code noise level limits.

Sleep Disturbance Evaluation Criteria

Since a court case in Berkeley, California (*Berkeley Keep Jets Over the Bay Committee v. Board of Port Commissioners of the City of Oakland* (2001) 91 Cal.App.4th 1344), which pertained to increased aircraft overflights of the City of Berkeley, there has been increased attention to the evaluation of single-event noise levels during the preparation of noise analyses. The Berkeley case ruling required that single-event noise be considered, but it did not recommend an appropriate single event noise level standard.

The Federal Interagency Committee on Aviation Noise (FICAN) has provided estimates of the percentage of people expected to be awakened when exposed to specific SELs inside a home (FICAN 1997). However, FICAN did not recommend a threshold of significance based on the percent of people awakened. According to the FICAN study, 10% of the population is estimated to be awakened when the SEL interior noise level exceeds 81 dBA. An estimated 5 to 10 percent of the population is affected when the SEL interior noise level is between 65 and 81 dBA, and few sleep awakenings (less than 5 percent) are predicted if the interior SEL is less than 65 dBA.

The threshold for sleep disturbance is not absolute because there is a high degree of variability from one person to another. Thus, the means of applying such research to land use decisions is not clear. As a result, there is no consensus on what frequencies of awakenings are acceptable (California Division of Aeronautics 2002). For these reasons, the Federal Interagency Committee on Noise (FICON) and the California Airport and Land Use Planning Handbook continue to use CNEL as the primary tool for the purpose of land use compatibility planning (California Division of Aeronautics 2002). Note that CNEL and L_{dn} are often used interchangeably, as there is only a subtle difference in noise level penalties between the two metrics during evening hours. In fact, CNEL/ L_{dn} represents the cumulative exposure to all single events; that is, the exposure of all SELs taken together, weighed to add penalties for nighttime occurrences, and averaged over a 24-hour period. Thus, it can be argued that the L_{dn} -based standards already account for the individual impacts associated with the SELs.

This analysis conservatively utilizes a criteria of 65 dB SEL within residences as the threshold at which sleep disturbance impacts could occur. Based on the FICAN test results on aviation noise, less than 5% of the population experiences sleep disturbance if interior noise is less than 65 dB SEL. Thus, for the purposes of this analysis, single-event levels resulting from the project would be considered less than significant if single-event noise levels would not exceed 65 dB SEL within interior areas of residences located in the immediate project vicinity.

Criteria for Acceptable Vibration Exposure

Federal Transit Administration (FTA)

The City of Elk Grove does not currently have adopted standards for groundborne vibration. As a result, vibration impact assessment criteria established by the U.S. Department of Transportation’s Federal Transit Administration (FTA) was applied to the project. The FTA’s publication, *Transit Noise and Vibration Impact Assessment Manual* (FTA Report No. 0123 dated September 2018), includes criteria for assessing potential impacts related to groundborne vibration in terms of both annoyance and damage to structures. The FTA vibration impact criteria are based on maximum overall levels for a single event. The FTA vibration impact criteria for interference with human activity and annoyance are shown below in Table 6.

Table 6			
Groundborne Vibration Impact Criteria for Annoyance Determinations			
Land Use Category	Groundborne Vibration Impact Levels (VdB re 1 µinch/sec, RMS)		
	Frequent Events¹	Occasional Events²	Infrequent Events³
Buildings where vibration would interfere with interior operations	65 ⁴	65 ⁴	65 ⁴
Residences and buildings where people normally sleep	72	75	80
Institutional land uses with primarily daytime use	75	78	83
Notes:			
1 “Frequent Events” is defined as more than 70 vibration events of the same source per day.			
2 “Occasional Events” is defined as between 30 and 70 vibration events of the same source per day.			
3 “Infrequent Events” is defined as fewer than 30 vibration events of the same kind per day.			
4 This criterion limit is based on levels that are acceptable for most moderately sensitive equipment such as optical microscopes. For equipment that is more sensitive, a Detailed Vibration Analysis must be performed.			
Source: Federal Transit Administration (FTA), <i>Transit Noise and Vibration Impact Assessment Manual</i> (Sep. 2018), Table 6-3			

Table 7-5 of the Federal Transit Administration’s publication, *Transit Noise and Vibration Impact Assessment Manual*, contains criteria for assessing damage to structures from vibration. That table is reproduced below as Table 7.

Table 7		
FTA Vibration Damage Criteria		
Building/ Structural Category	PPV, in/sec	Approximate Lv*
I. Reinforced-concrete, steel or timber (no plaster)	0.5	102
II. Engineered concrete and masonry (no plaster)	0.3	98
III. Non-engineered timber and masonry buildings	0.2	94
IV. Buildings extremely susceptible to vibration damage	0.12	90
*RMS velocity in decibels, VdB re 1 micro-in/sec		

Assessment of Project Noise Generation

The proposed project entails the development of three components: a ready-mix concrete (RMC) plant, a concrete and asphalt recycling facility (recycle), and a hot mix asphalt (HMA) plant. In addition to the noise generation of these plants, noise would also be generated by Project heavy truck traffic related to these three Project components. The noise generation of the project's on-site noise sources was evaluated using the SoundPlan noise prediction program (V8.2) using ISO standard 9613-2. The assessment of increases in off-site traffic noise levels resulting from the project was completed using the Federal Highway Administration Highway Traffic Noise Prediction Model (FHWA-RD-77-108). Noise would also be generated during project site construction but construction activities would be short-term in nature and limited to daytime hours. Finally, HMA and RMC plant operations would periodically occur during nighttime hours as required to satisfy night paving projects but recycle plant operations and project construction would be limited to daytime hours.

Project Construction Noise

The primary noise generation at the project site will be the grading and paving of onsite circulation routes and assembly of the RMC, HMA and recycle plants. The Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) was used to quantify worst-case construction noise levels for the project. For this assessment, it was assumed that graders, front-end loaders, compactors, paving machines, pneumatic tools, etc., would be used for the various stages of site preparation.

Table 8 provides the maximum noise levels reported by the RCNM for equipment commonly used in general construction projects at full-power operation at a distance of 50 feet. Not all of these construction activities would be required of this project.

Assuming a bulldozer, grader, excavator, front-end loader and compactor were operating concurrently at the site, the combined noise exposure from the effective noise center of those operations would be 85 dBA L_{eq} at a distance of 50 feet from the operations.

The reference construction noise levels cited above were projected to the representative receptor locations shown on Figure 3 using the SoundPlan model. The results of the construction noise projections are presented in Table 9. The Table 9 data indicates that noise impacts related to project construction would be ***less than significant***.

Table 8	
Typical Construction Equipment Noise Levels	
Equipment Description	Maximum Noise Level at 50 Feet, dBA
Auger drill rig	85
Backhoe	80
Compactor (ground)	80
Compressor (air)	80
Concrete batch plant	83
Concrete mixer truck	85
Concrete pump truck	82
Concrete saw	90
Crane (mobile or stationary)	85
Dozer	85
Dump truck	84
Excavator	85
Front end loader	80
Generator (more than 25 kVA)	82
Grader	85
Jackhammer	85
Mounted impact hammer	90
Paver	85
Pumps	77
Rock drill	85
Scraper	85
Soil mix rig	80

Source: Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM)

Table 9				
Predicted Construction Noise Levels at Nearest Receptors				
Receptor¹	Predicted Noise Level (Leq, dBA)	Daytime Noise Standard (Leq, dBA)	Noise Standard Exceeded?	Mitigation Required?
1	49		No	No
2	48		No	No
3	46		No	No
4	44	55-60	No	No
5	53		No	No
6	46		No	No
7	45		No	No
8	47		No	No

1. Receptor locations are shown on Figure 4.
2. Project construction activities would be limited to daytime hours. As a result, only the daytime criteria are utilized for the assessment of potential noise impacts for this activity.
3. Source: FHWA Roadway Construction Noise Model (RCNM) reference noise levels and SoundPlan model results.

Off-Site Traffic Noise Level Increases due to the Project

To quantitatively assess traffic noise levels associated with the Project, the Federal Highway Administration Highway Traffic Noise Prediction Model (FHWA RD-77-108) was used. The Model is based on the Calveno reference noise factors for automobiles, medium trucks, and heavy trucks, with consideration given to vehicle volume, speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the site. Project generated traffic inputs to the FHWA Model were obtained from the project traffic impact analysis (TIA) prepared by Fehr & Peers Associates. According to the project TIA, the maximum project throughput from all of the project components would be 1,706,000 tons per year. The average daily heavy truck trip generation associated with that level of production is 454 daily trips with an am peak hour heavy truck trip generation of approximately 46 trucks.

The project generated heavy truck trip distribution would be as follows:

- Waterman Rd – North of Project site: 12%
- Waterman Rd – South of Project Site: 88%
- Grant Line Rd – East of Waterman: 58%
- Grant Line Rd – Waterman to Hwy 99: 30%
- Grant Line Rd – West of Hwy 99: 5%
- Highway 99 – North of Grant Line: 12%
- Highway 99 – South of Grant Line: 13%

The FHWA Model was used with the above-described inputs to predict existing and future (cumulative), project and no-project traffic noise levels at the nearest identified sensitive receptors to each of the roadway segments described above. Table 10 shows existing and existing plus project traffic noise levels, the increase related to the project, the significance criteria, and a determination as to whether the increase is considered substantial. Table 11 presents the same information for cumulative conditions. Cumulative conditions represent future conditions including traffic generated by buildout of the region. Appendix D-2 and D-3 contains the FHWA noise model inputs.

**Table 10
Predicted Existing and Project Traffic Noise Levels at Nearest Residences
Grant Line Construction Aggregate Production and Recycling Facility**

Roadway Name	Segment Description	Existing	Project	Existing + Project	Increase	Threshold ¹	Substantial Increase?
Waterman Rd	North of Site	67.3	55.8	67.6	0.3	1.5	No
	Site to Grant Line	57.5	56.6	60.1	2.6	5.0	No
Grant Line Rd	East of Waterman	70.1	61.6	70.7	0.6	1.5	No
	Waterman to 99	69.9	57.2	70.1	0.2	1.5	No
	West of 99	70.1	51.9	70.1	0.1	1.5	No
Highway 99	North of Grant Line	76.8	51.3	76.8	0.0	1.5	No
	South of Grant Line	76.4	51.6	76.4	0.0	1.5	No

1. Per Table 3, the impact threshold is a function of the baseline ambient conditions at the potentially affected receptor. Because ambient conditions exceed 65 Ldn at sensitive receptors located along 6 of the roadway segments analyzed, the threshold applicable to those receptors is 1.5 dB. However, for the nearest sensitive receptors to Waterman Road, between the project site and Grant Line Road, the threshold is 5 dB because baseline ambient conditions are below 60 Ldn.

2. Source: FHWA-RD-77-108 with inputs from Fehr & Peers, Caltrans, and BAC.

**Table 11
Predicted Cumulative and Project Traffic Noise Levels at Nearest Residences
Grant Line Construction Aggregate Production and Recycling Facility**

Roadway Name	Segment Description	Cumulative No-Project	Project	Cumulative + Project	Increase	Threshold	Substantial Increase?
Waterman Rd	North of Site	72.2	55.8	72.3	0.1	1.5	No
	Site to Grant Line	63.9	56.6	64.6	0.7	3.0	No
Grant Line Rd	East of Waterman	75.5	61.6	75.6	0.2	1.5	No
	Waterman to 99	76.1	57.2	76.1	0.1	1.5	No
	West of 99	77.7	51.9	77.7	0.0	1.5	No
Highway 99	North of Grant Line	79.8	51.3	79.8	0.0	1.5	No
	South of Grant Line	79.4	51.6	79.4	0.0	1.5	No

Source: FHWA-RD-77-108 with inputs from Fehr & Peers, Caltrans, and BAC.

The Table 10 and 11 data indicate that the Project-related traffic noise level increases on each roadway segment would be below the applicable threshold for a finding of a significant noise impact. In addition, peak hour traffic noise levels are also predicted to be below baseline ambient conditions at the sensitive receptors located along the project haul routes. As a result, off-site traffic noise increases resulting from project heavy truck and employee traffic are predicted to be **less than significant**.

Noise Generated by On-Site Operations

As noted in the project introduction, on-site activities at the Project Site will consist of asphalt and ready-mix production, recycle activities, and sales. Figure 2 shows the proposed site configuration. Figure 4 shows the locations of the nearest potentially affected sensitive receptors to the project site.

To quantify the noise generation of the proposed on-site equipment, noise level data provided by the asphalt plant manufacturer (Astec Industries), and BAC reference noise level data for the recycle and ready-mix plants were utilized. Appendix E contains the reference sound level data used in this analysis. The reference levels were projected to the nearest receptors in the Project vicinity using the SoundPlan model with standard atmospheric conditions. The predicted noise levels at the nearest receptors to the Project Site are provided in Table 12. Figures 7 and 8 show the daytime and nighttime on-site noise source contours, respectively.

Figure 7 (daytime noise contours) assumes full operation of all on-site noise sources (asphalt, ready-mix, and recycle plants), including 42 hourly heavy truck trips occurring on the project site during daytime hours. Figure 8 (nighttime noise contours), assumes concurrent operation of the asphalt and ready-mix plants only (no nighttime recycle operations), and 16 hourly heavy truck trips occurring on the project site during nighttime hours.

Table 12 Predicted Noise Levels at Nearest Residences from On-Site Project Noise Sources Grant Line Construction Aggregate Production and Recycling Facility							
Receptor¹	Predicted Daytime Leq, dBA	Daytime Noise Standard	Daytime Exceedance?	Predicted Nighttime Leq, dBA	Nighttime Noise Standard	Nighttime Exceedance?	Mitigation Required?
1	50	60	No	45	50	No	No
2	49	60	No	44	50	No	No
3	47	60	No	42	50	No	No
4	44	60	No	40	50	No	No
5a ²	40	60	No	37	50	No	No
5b ²	45	45	No	44	45	No	No
6	48	60	No	43	50	No	No
7	46	60	No	42	50	No	No
8	44	60	No	41	50	No	No
1. Receptor locations are identified on Figure 4. 2. Receptor 5a represents the backyard area of Residence 5, located behind the residence. Receptor 5b represents the interior space of Residence 5, conservatively assuming 15 dB of building façade exterior to interior noise attenuation.							

The Table 12 data and noise contours presented in Figures 7 & 8 indicate that the project is not expected to result in exceedance of the project standards of significance at the noise-sensitive areas of the nearest receptors to the project site. Nonetheless, there are many variables which will affect the noise generation of the facility and, despite extensive analysis, it is difficult to precisely account for all variables in the noise modelling process. Given the sensitivity of the nearby residential receptors and the proposed periodic nighttime operation of the asphalt and ready-mix plants, BAC recommends the following specific noise control procedures be implemented to further address applicable City of Elk Grove noise standards and to reduce the potential for adverse reaction to project-generated noise levels. The recommended measures are identified in the following section of this report.

Evaluation of Potential Sleep Disturbance Impacts

As noted in the criteria section of this report, sleep disturbance impacts would be considered potentially significant if the single-event noise level resulting from the project would exceed 65 dB SEL within interior areas of residences not currently exposed to appreciable nighttime single-event noise. Sleep disturbance impacts at the nearest residences were evaluated for nighttime asphalt plant operations, nighttime ready-mix concrete plant operations, and nighttime heavy truck passbys. The results of that evaluation for each noise source are described below.

Nighttime Asphalt Plant Operations:

Asphalt plants typically generate steady-state noise levels due to the continuous operation of the asphalt burner, drum, and baghouses. As a result, single-event noise is generally not a substantial component of overall asphalt plant operational noise. For this assessment, the maximum noise levels generated by a front-loader feeding the asphalt plant hoppers were used to evaluate single-event noise levels at the nearest noise-sensitive receptors. Specifically, a maximum noise level of 80 dBA L_{max} at a reference of 50 feet from the loader feeding the hoppers was utilized based on FHWA data. Given this maximum noise level, the estimated Sound Exposure Level (SEL) for loader operations would be approximately 90 dBA SEL at a reference distance of 50 feet from the loader. The nearest residences (R1 & R5 – See Figure 4), are located approximately 1,300 feet to the front-loader operating area at the asphalt plant. At the exterior building facades of those residential receptors, single event noise from nighttime front-loader operations would be reduced to approximately 60 dB SEL due to the effects of distance and atmospheric absorption. With those nearest residences, SEL values would be approximately 35 to 45 dBA SEL, depending on whether windows were in the open or closed positions. Regardless of the window position, interior SEL values associated with nighttime asphalt plant operations are predicted to be below the 65 dB SEL threshold for a finding of noise impact within the nearest residences. Furthermore, predicted single-event noise levels resulting from nighttime railroad operations on the adjacent UPRR tracks would be substantially higher than single-event noise levels generated by the proposed asphalt plant. Therefore, sleep disturbance impacts related to nighttime operation of the asphalt plant are predicted to be ***less than significant***.

Nighttime Ready-Mix Plant Operations:

Like asphalt plants, ready-mix concrete plants typically generate fairly steady-state noise levels while in operation. As a result, single-event noise is generally not a substantial component of overall ready-mix plant operational noise. For this assessment, the maximum noise generation of the ready-mix plant is identified as being 80 dBA at a reference distance of 50 feet from the plant (a sound power level of 114 dBA as reported in Appendix E). Given this maximum noise level, the estimated Sound Exposure Level (SEL) for typical concrete batch operations would be approximately 90 dBA SEL at a reference distance of 50 feet from the plant, similar to single-event levels generated by the asphalt plant. The nearest residence (R5 – See Figure 4), is located approximately 1,000 feet from the ready-mix plant. At the exterior building facade of this nearest residence, single event noise from nighttime ready-mix operations would be reduced to approximately 62 dB SEL due to the effects of distance and atmospheric absorption. With that nearest residence, SEL values would be approximately 37 to 47 dBA SEL, depending on whether windows were in the open or closed positions. Regardless of the window position, interior SEL values associated with nighttime ready-mix plant operations are predicted to be below the 65 dB SEL threshold for a finding of noise impact within the nearest residences. Therefore, sleep disturbance impacts related to nighttime operation of the ready-mix plant are predicted to be ***less than significant***.

Nighttime Heavy-Truck Passbys:

During nighttime operations of the asphalt and ready-mix concrete plants, heavy truck traffic would be higher than normal on the local roadway network utilized by project traffic. More specifically, Waterman Road between the project site access and Grant Line Road would experience higher than normal numbers of nighttime truck trips. The nearest existing noise-sensitive receptors to the segment of Waterman Road most heavily utilized by project traffic are receptors 5 and 8 shown on Figure 4. These residences are located approximately 175 to 200 feet from the centerline of Waterman Road.

The FHWA Model reports that a heavy-truck travelling 40 mph generates a sound exposure level of approximately 75 dBA SEL at a distance of 175 feet from the roadway centerline. Given an SEL of 75 dBA at the exterior building façade of the nearest residences to Waterman Road during heavy truck passbys, SEL values within the 2 nearest residences would be approximately 50 to 60 dBA SEL, depending on whether windows were in the open or closed position. Regardless of the window position, interior SEL values associated with nighttime heavy truck passbys are predicted to be below the 65 dB SEL threshold for a finding of noise impact within the nearest residences. Therefore, sleep disturbance impacts related to nighttime heavy truck operations on Waterman Road between the project site and Grant Line Road are predicted to be ***less than significant***.

Figure 7
 Vulcan Materials
 Elk Grove Project

Daytime Noise Contours

Shielding provided by future industrial buildings not included

Leq, dB(A)

	>= 80
	75 - 80
	70 - 75
	65 - 70
	60 - 65
	55 - 60
	50 - 55

 Receiver

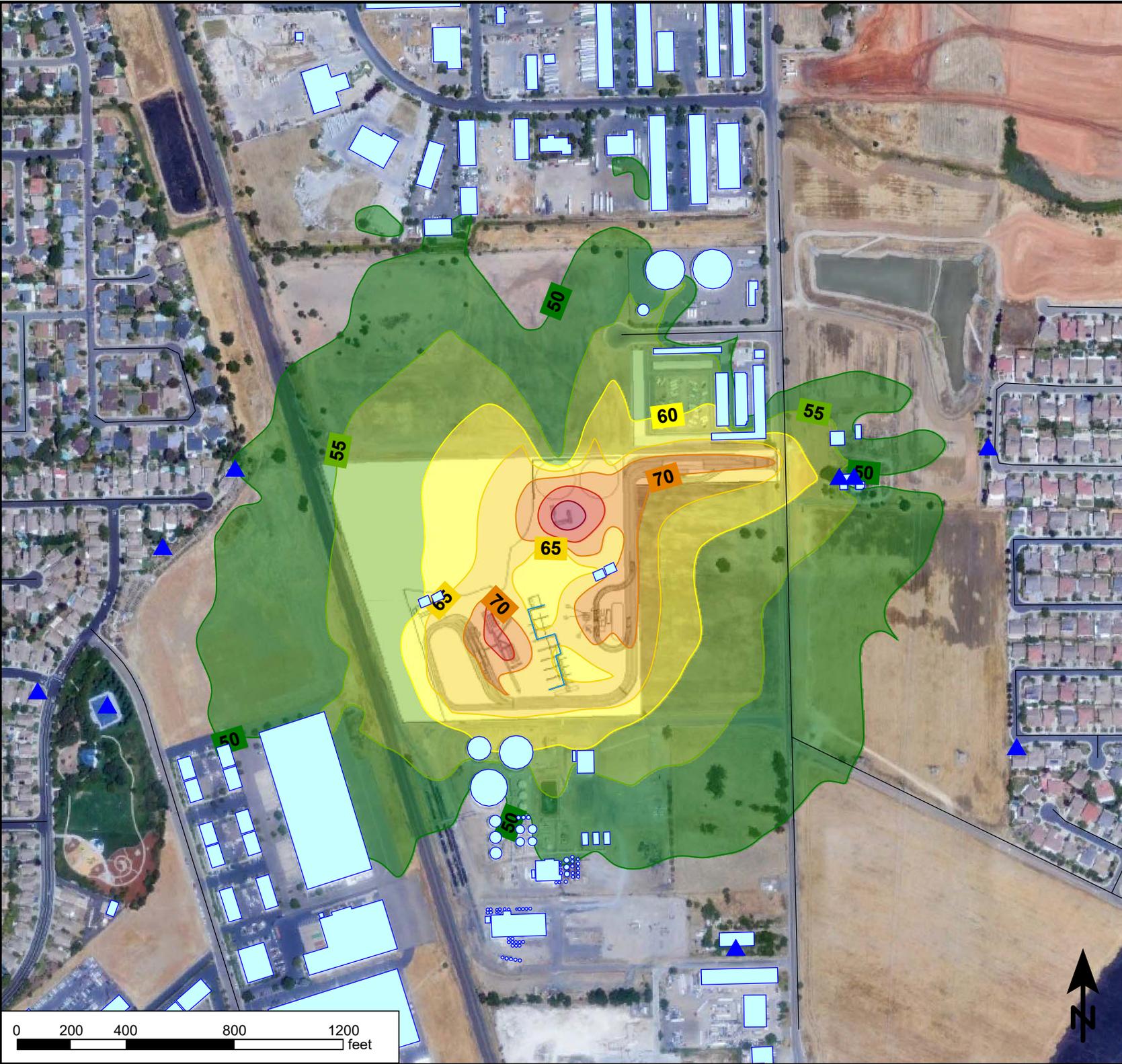
Elk Grove Noise Standards:

Day: 55 dB Leq
 Night: 45 dB Leq

Standards after adjustment for elevated ambient conditions:

Day: 60 dB Leq
 Night: 50 dB Leq

Daytime and nighttime standards satisfied



0 200 400 800 1200 feet

Figure 8
 Vulcan Materials
 Elk Grove Project
 Nighttime Noise Contours

Shielding provided by future industrial buildings not included

Leq, dB(A)

	>= 75
	70 - 75
	65 - 70
	60 - 65
	55 - 60
	50 - 55
	45 - 50

 Receiver

Elk Grove Noise Standards:

Day: 55 dB Leq
 Night: 45 dB Leq

Standards after adjustment for elevated ambient conditions:

Day: 60 dB Leq
 Night: 50 dB Leq

Daytime and nighttime standards satisfied



Recommended Noise Control Measures

As noted above, the noise modelling performed for this project indicates that noise exposure at the nearest sensitive receptor locations would be satisfactory relative to the City's noise levels standards after adjustment of those standards upward by 5 dB to account for elevated ambient conditions in the project vicinity. Nonetheless, to ensure compliance with the City noise standards and reduce the potential for annoyance during nighttime operations, the following noise control options are recommended:

1. Limit recycle plant operations to daytime hours as proposed (7 am – 10 pm).
2. Limit aggregate sales to daytime hours as proposed (7 am – 10 pm).
3. Ensure that all processing area conveyors are properly lubricated at all times.
4. Utilize electric power rather than generators for on-site power.
5. To the maximum extent feasible, design and maintain recycle area aggregate stockpiles such that they maximize shielding of on-site noise sources in the directions of the nearby residences.
6. Equip all mobile plant area equipment with acoustic "growler-type" backup warning systems, rather than conventional "beepers".
7. Limit asphalt and ready-mix operations to daytime hours unless construction contracts specifically require the delivery of materials during nighttime hours.
8. Prior to commencement of nighttime operations at the project site, conduct noise monitoring at nearby sensitive receptors to confirm the facility is operating in compliance with the applicable noise standards. In the event that noise monitoring indicates that the project noise generation would exceed either the daytime or nighttime noise standards, additional noise control measures shall be implemented until such compliance is achieved. In such a case, additional analysis of the noise monitoring results shall be conducted to determine the sources of noise responsible for any exceedances and noise control measures shall be targeted for those sources. The following noise control options have been successfully implemented at aggregate facilities and should be considered for this facility if needed and as feasible:
 - a. Suspension of acoustic curtains as close as possible to significant noise sources.
 - b. Installation of acoustic silencers on the asphalt plant bag house exhaust fans.
 - c. Construct localized barriers adjacent to significant noise sources.
 - d. Relocation of aggregate stockpiles as feasible to provide additional screening of processing area noise sources from view of nearby residences.
 - e. Pre-loading of asphalt plant and ready-mix feed hoppers prior to nighttime operations to reduce the degree of nighttime loading required.

Following implementation of the appropriate noise mitigation measures, if required, and noise monitoring to confirm effectiveness of the control measures, project noise generation is predicted to be satisfactory relative to City of Elk Grove noise standards and CEQA guidelines. As a result, this noise impact would be ***less than significant***.

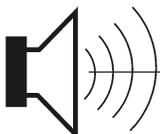
Vibration Generation of the Proposed Project

To quantify the vibration generation of the proposed operations, reference vibration level data collected by BAC at existing ready-mix, recycle and asphalt plant sites in recent years were utilized. Larson Davis Laboratories (LDL) Model 831 precision integrating sound level meter fitted with a PCB Electronics vibration transducer was used for the vibration surveys. The equipment was calibrated before use with a PCB Electronics vibration calibrator to ensure the accuracy of the measurements. The equipment used meets all pertinent specifications of the American National Standards Institute for precision vibration monitoring systems.

The results of the vibration surveys indicate that vibration levels below 60 VdB can be expected at locations beyond 100 feet from the operating equipment. The nearest sensitive receptors are located approximately 1,000 feet or more from the proposed asphalt, ready-mix and recycle facilities proposed at the Project site. At that distance, vibration levels would be well below the thresholds for annoyance or damage to residential structures identified in Tables 6 and 7. As a result, vibration impacts of the project are expected to be ***less-than-significant***.

Appendix A Acoustical Terminology

Acoustics	The science of sound.
Ambient Noise	The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.
Attenuation	The reduction of an acoustic signal.
A-Weighting	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
Decibel or dB	Fundamental unit of sound, A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.
CNEL	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by a factor of three and nighttime hours weighted by a factor of 10 prior to averaging.
Frequency	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz.
L_{dn}	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
Leq	Equivalent or energy-averaged sound level.
L_{max}	The highest root-mean-square (RMS) sound level measured over a given period of time.
Loudness	A subjective term for the sensation of the magnitude of sound.
Masking	The amount (or the process) by which the threshold of audibility is for one sound is raised by the presence of another (masking) sound.
Noise	Unwanted sound.
Peak Noise	The level corresponding to the highest (not RMS) sound pressure measured over a given period of time. This term is often confused with the Maximum level, which is the highest RMS level.
RT₆₀	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
Sabin	The unit of sound absorption. One square foot of material absorbing 100% of incident sound has an absorption of 1 sabin.
SEL	A rating, in decibels, of a discrete event, such as an aircraft flyover or train passby, that compresses the total sound energy of the event into a 1-s time period.
Threshold of Hearing	The lowest sound that can be perceived by the human auditory system, generally considered to be 0 dB for persons with perfect hearing.
Threshold of Pain	Approximately 120 dB above the threshold of hearing.



B O L L A R D

Acoustical Consultants



Legend

- [A] ST-1: 38°23'41.79"N, 121°21'30.33"W
- [B] ST-1: 38°23'41.79"N, 121°21'30.33"W
- [C] ST-2: 38°23'37.72"N, 121°21'13.13"W
- [D] ST-2: 38°23'37.72"N, 121°21'13.13"W

Grant Line Construction
 Aggregate Production & Recycling Project
 Elk Grove, California

Photographs of Survey Locations

Appendix B



Appendix C
FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Calibration Worksheet

Project Information:

Job Number: 2019-127
Project Name: Grant Line Construction Aggregate Production and Recycling Facility
Roadway Tested: Waterman Road at Project Site
Test Location: Site 2
Test Date: December 3, 2019

Weather Conditions:

Temperature (Fahrenheit): 66
Relative Humidity: 64%
Wind Speed and Direction: NE 8mph
Cloud Cover: Partly Cloudy

Sound Level Meter:

Sound Level Meter: LDL Model 820
Calibrator: LDL Model CAL200
Meter Calibrated: Immediately before
Meter Settings: A-weighted, slow response

Microphone:

Microphone Location: On project site
Distance to Centerline (feet): 200
Microphone Height: 5 feet above ground
Intervening Ground (Hard or Soft): **Soft**
Elevation Relative to Road (feet): 5

Roadway Condition:

Pavement Type: Asphalt
Pavement Condition: Good
Number of Lanes: 2
Posted Maximum Speed (mph): 45

Test Parameters:

Test Time: 12:30 PM
Test Duration (minutes): 15
Observed Number Automobiles: 101
Observed Number Medium Trucks: 5
Observed Number Heavy Trucks: 4
Observed Average Speed (mph): 45

Model Calibration:

Measured Average Level (L_{eq}): 57.6
Level Predicted by FHWA Model: 56.4
Difference: -1.2 dB

Conclusions:

Appendix D-1
FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet

Project #: 2019-127
 Description: Existing No Project
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Waterman Road	North of Site	6,605	80		20	5	5	45	60	
2		Site to Grantline	4,500	80		20	6	4	45	200	
3	Grant Line Road	East of Waterman	13,385	80		20	5	5	55	80	
4		Waterman to 99	17,560	80		20	5	5	55	100	
5		West of 99	11,675	80		20	5	5	50	65	
6	Highway 99	North of Grant Line	89,000	80		20	5	10	65	150	
7		South of Grant Line	82,300	80		20	5	10	65	150	

Appendix D-2
FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet

Project #: 2019-127
 Description: Cumulative No Project
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Waterman Road	North of Site	20,545	80		20	5	5	45	60	
2		Site to Grantline	19,500	80		20	6	4	45	200	
3	Grant Line Road	East of Waterman	45,555	80		20	5	5	55	80	
4		Waterman to 99	73,245	80		20	5	5	55	100	
5		West of 99	67,875	80		20	5	5	50	65	
6	Highway 99	North of Grant Line	178,000	80		20	5	10	65	150	
7		South of Grant Line	164,600	80		20	5	10	65	150	

Appendix D-3
FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet

Project #: 2019-127
 Description: Project Only
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Waterman Road	North of Site	54	80		20	0	100	45	60	
2		Site to Grantline	397	80		20	0	100	45	200	
3	Grant Line Road	East of Waterman	262	80		20	0	100	55	80	
4		Waterman to 99	135	80		20	0	100	55	100	
5		West of 99	23	80		20	0	100	50	65	
6	Highway 99	North of Grant Line	54	80		20	0	100	65	150	
7		South of Grant Line	59	80		20	0	100	65	150	

Appendix E-1 Reference Sound Power Levels Asphalt, Recycle and Ready-Mix Plants

Source type	l or A m,m ²	Li dB(A)	R'w dB	L'w dB(A)	Lw dB(A)	KI dB	KT dB	LwMax dB(A)	DO-Wall dB	Time histogram	Emission spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz	
												dB(A)									
Point				109.0	109.0	0.0	0.0	114.0	0	100%/24h	Ready Mix Plant	79.1	90.2	103.7	102.1	102.3	101.5	97.3	92.2		
Point				118.0	118.0	0.0	0.0	123.0	0	Daytime Only	Recycle Plant	85.0	95.0	102.0	108.0	111.0	112.0	112.0	110.0		
Point				101.5	101.5	0.0	0.0		0	100%/24h	Astec Asphalt Tank Heater & Related	78.8	82.9	89.4	95.8	96.0	95.2	92.0	83.9	69.4	
Point				99.6	99.6	0.0	0.0		0	100%/24h	Astec Bag House Stack (exhaust)	85.8	81.9	78.4	86.8	87.0	87.2	97.0	91.9	87.4	
Point				99.6	99.6	0.0	0.0		0	100%/24h	Astec Bag House Stack (exhaust)	85.8	81.9	78.4	86.8	87.0	87.2	97.0	91.9	87.4	
Point				97.4	97.4	0.0	0.0		0	100%/24h	Astec Blower Casing	89.8	91.9	90.4	88.8	87.0	86.2	82.0	65.9	51.4	
Point				102.1	102.1	0.0	0.0		0	100%/24h	Astec Drum Drive	68.8	79.9	88.4	96.8	97.0	95.2	93.0	84.9	79.4	
Point				101.9	101.9	0.0	0.0		0	100%/24h	Astec Inlet Chute Vibrator	81.8	86.9	93.4	90.8	99.0	92.2	91.0	87.9	82.4	
Point				91.4	91.4	0.0	0.0		0	100%/24h	Astec Blower Motor	49.8	63.9	75.4	84.8	88.0	84.2	81.0	74.9	65.4	
Point				94.2	94.2	0.0	0.0		0	100%/24h	Astec Blue Smoke Sources	84.8	87.9	84.4	85.8	85.0	83.2	85.0	81.9	77.4	
Point				92.6	92.6	0.0	0.0		0	100%/24h	Astec Asphalt Plant Burner Inlet	86.8	85.9	80.4	81.8	85.0	84.2	79.0	70.9	65.4	
Point				106.3	106.3	0.0	0.0		0	100%/24h	Astec Double Barrel Burner - DB Mnt'd Bu	89.2	90.2	93.1	97.3	93.0	97.6	102.0	98.7	93.3	
Point				101.2	101.2	0.0	0.0		0	100%/24h	Astec Exhaust Fan Casing	92.8	91.9	91.4	93.8	94.0	94.2	89.0	70.9	56.4	
Point				101.2	101.2	0.0	0.0		0	100%/24h	Astec Exhaust Fan Casing	92.8	91.9	91.4	93.8	94.0	94.2	89.0	70.9	56.4	
Point				93.4	93.4	0.0	0.0		0	100%/24h	Astec Exhaust Fan Motor	51.8	65.9	77.4	86.8	90.0	86.2	83.0	76.9	67.4	
Point				93.4	93.4	0.0	0.0		0	100%/24h	Astec Exhaust Fan Motor	51.8	65.9	77.4	86.8	90.0	86.2	83.0	76.9	67.4	
Point				100.5	100.5	0.0	0.0		0	100%/24h	Astec Silo Drag Drive	54.8	76.9	80.4	92.8	93.0	96.2	94.0	86.9	81.4	

Appendix E-2

Identification of Variables Used in Appendix E-1 Asphalt, Recycle and Ready-Mix Plants

Legend

Source type		Type of source (point, line, area)
I or A	m,m ²	Size of source (length or area)
Li	dB(A)	Level inside
R'w	dB	Rated transmission loss
L'w	dB(A)	Sound power level per m, m ²
Lw	dB(A)	Sound power level per unit
KI	dB	Correction for source impulsiveness
KT	dB	Correction for source tonality
LwMax	dB(A)	Peak level
DO-Wall	dB	Correction for directive propagation due to walls
Time histogram		Name of time histogram
Emission spectrum		Name of sound power spectrum
63Hz	dB(A)	Sound power level in this frequency band
125Hz	dB(A)	Sound power level in this frequency band
250Hz	dB(A)	Sound power level in this frequency band
500Hz	dB(A)	Sound power level in this frequency band
1kHz	dB(A)	Sound power level in this frequency band
2kHz	dB(A)	Sound power level in this frequency band
4kHz	dB(A)	Sound power level in this frequency band
8kHz	dB(A)	Sound power level in this frequency band
16kHz	dB(A)	Sound power level in this frequency band

Appendix E

Transportation

Vulcan Materials Company Industrial Site Development Project

Prepared for:
WRA, Inc.

September 28, 2020

RS19-3868

FEHR  PEERS

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1. Introduction

This study addresses the potential transportation impacts associated with the proposed Vulcan Materials Company Industrial Site Development Project located in the City of Elk Grove. This impact analysis examines the transportation system surrounding the Project under the following scenarios:

- Existing Conditions
- Existing Plus Project Conditions
- Cumulative No Project Conditions
- Cumulative Plus Project Conditions

Additionally, the project site access and on-site circulation, and access to bicycle, pedestrian, and transit facilities are discussed.

1.1 Project Description

The proposed project is located on an approximately 25-acre parcel on the west side of Waterman Road between Mosher Avenue and Kent Street. The industrial site will serve as an asphalt plant, a ready-mix concrete plant, and a concrete/asphalt recycle yard and sales facility. **Figure 1** shows the location of the proposed project.

1.2 Study Area

The study area was selected based on the Project's location, site access, and expected trip generation and distribution. The analysis considers traffic operations at the following intersections and roadway segments, which are displayed on **Figure 1**.

Study Intersections

1. Elk Grove Boulevard/Waterman Road
2. Grant Line Road/SR 99 SB Ramps
3. Grant Line Road/SR 99 NB Ramps
4. Grant Line Road/E. Stockton Boulevard/Survey Road
5. Grant Line Road/Waterman Road
6. Grant Line Road/Mosher Road
7. Grant Line Road/Bradshaw Road
8. Grant Line Road/Elk Grove Boulevard
9. Grant Line Road/Bond Road
10. Grant Line Road/Wilton Road

Study Roadway Segments

1. Elk Grove Blvd – Waterman Rd to Black Swan Rd

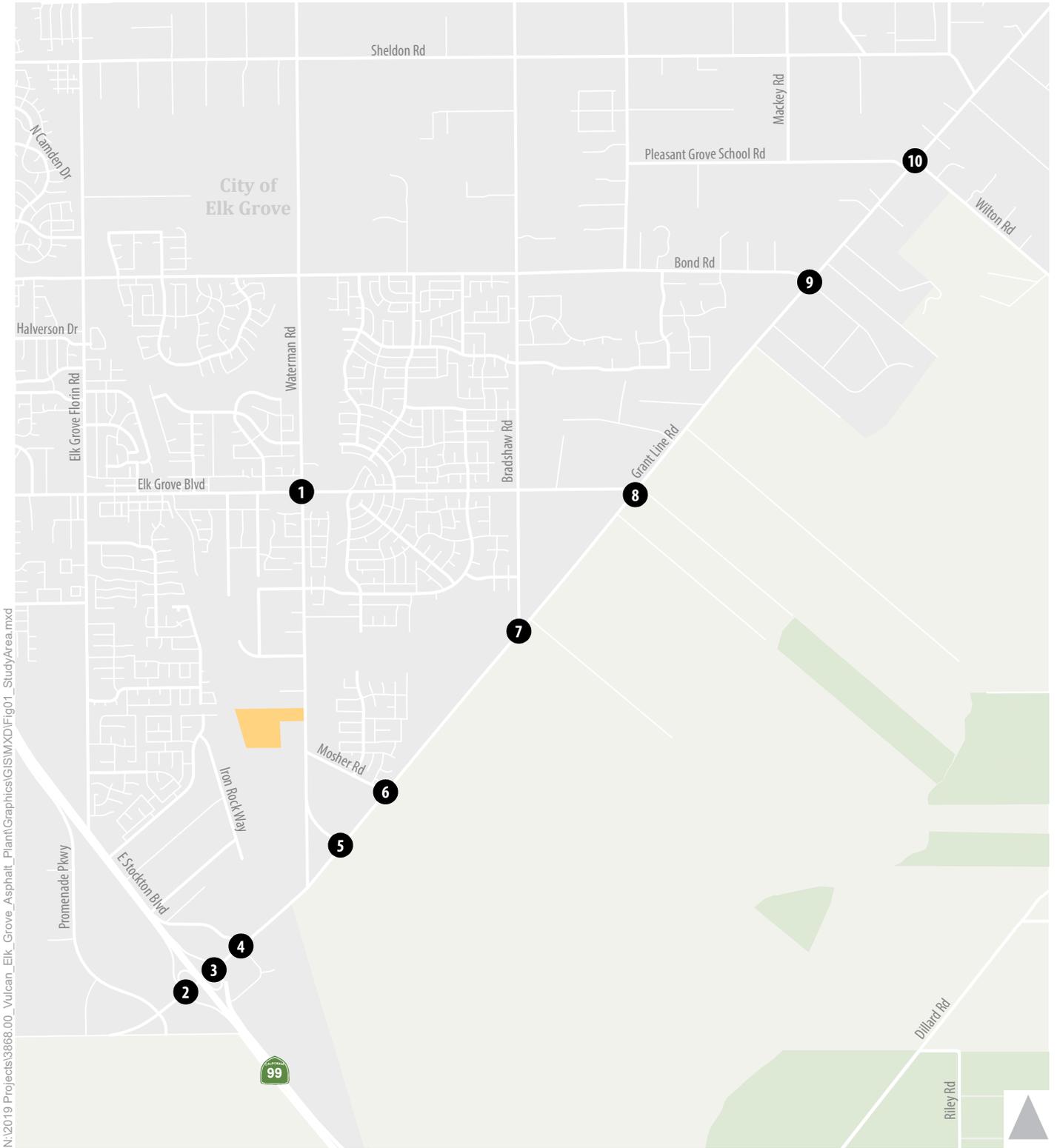
2. Waterman Rd – Elk Grove Blvd to Kliever Way
3. Grant Line Rd - SR 99 SB Off-Ramp to Promenade Pkwy
4. Grant Line Rd – E. Stockton Blvd to Waterman Rd
5. Grant Line Rd – Mosher Rd to Bradshaw Rd
6. Grant Line Rd – Bradshaw Rd to Elk Grove Blvd
7. Grant Line Rd – Elk Grove Blvd to Bond Rd
8. Grant Line Rd – Bond Rd to Wilton Rd
9. Mosher Rd – Waterman Rd to Grant Line Rd
10. Bradshaw Rd – Elk Grove Blvd to Grant Line Rd
11. Bond Rd – Van Ruiten Ln to Grant Line Rd
12. Wilton Rd – Grant Line Rd to Leisure Oak Ln

1.3 Data Collection

Traffic count data collected in 2016 for the Elk Grove Multi-Sport Complex EIR was used for Intersections 2-7. Traffic count data collected in 2019 was used for Intersections 1, 8, 9, and 10. Intersection turning movement counts were conducted during the AM (7:00 to 9:00) and PM (4:00 to 6:00) peak periods. During count data collection, weather conditions were clear, no unusual traffic patterns were observed, and the Elk Grove Unified School District was in full session. Pedestrians, bicyclists and heavy vehicles were also counted at the study intersections. **Figure 2** displays the existing intersection turning movement counts at the study intersections.

Daily traffic volumes were obtained using the City of Elk Grove's Traffic Volume Data online interactive map. The Traffic Volume Data map includes mid-week average daily traffic (ADT) volumes and AM and PM peak hour traffic volumes for roadway segments throughout the City. Traffic volumes are updated every 3 or 5 years depending on the location and type of facility. **Figure 3** displays the existing daily traffic volumes at the study roadway segments.

StreetLight Data was used to inform the proposed project's AM and PM peak hour trip generation, as described in greater detail in Chapter 3 of this report. StreetLight Data captures anonymized location records from smart phones and navigation devices in connected cars and trucks. Data from January to December 2019 was collected and used in the analysis.

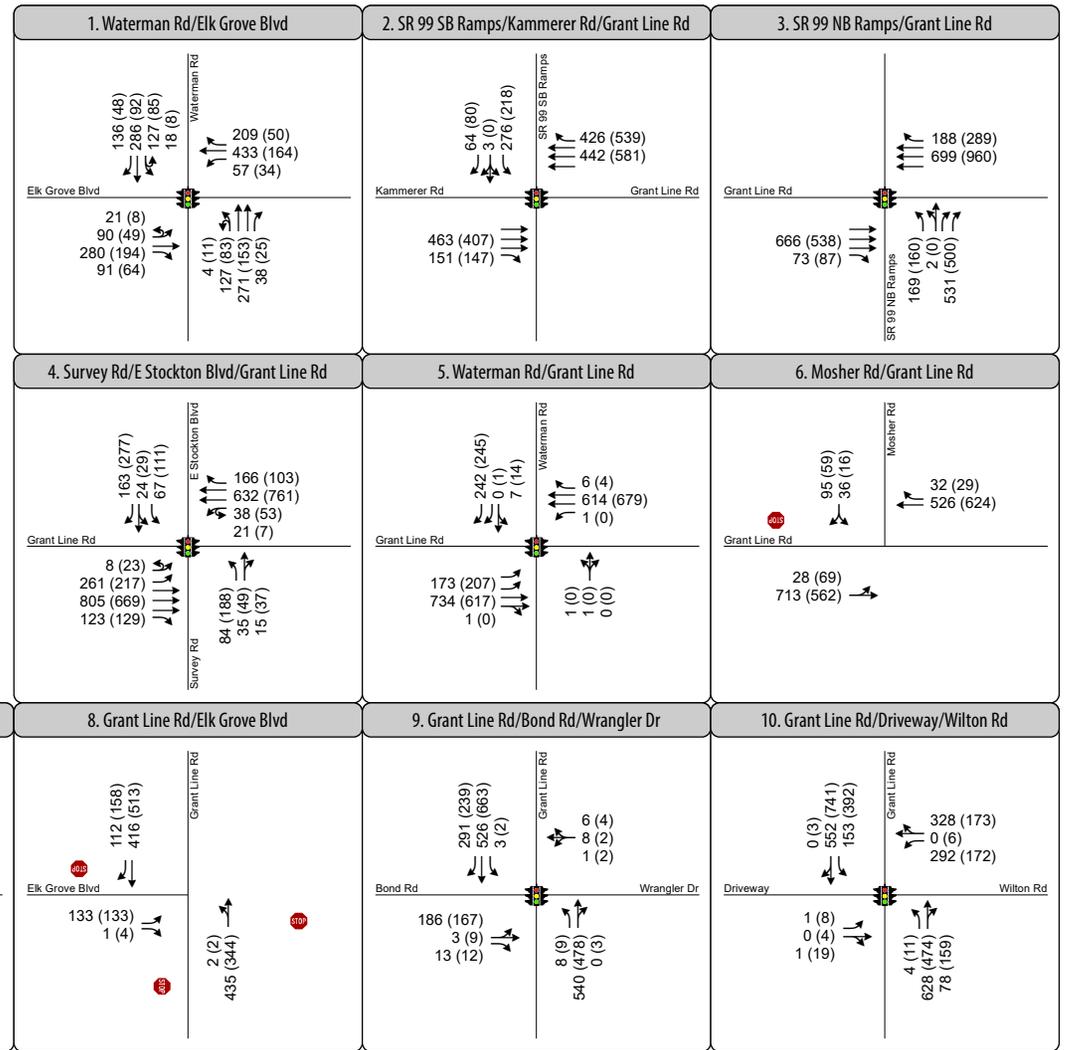
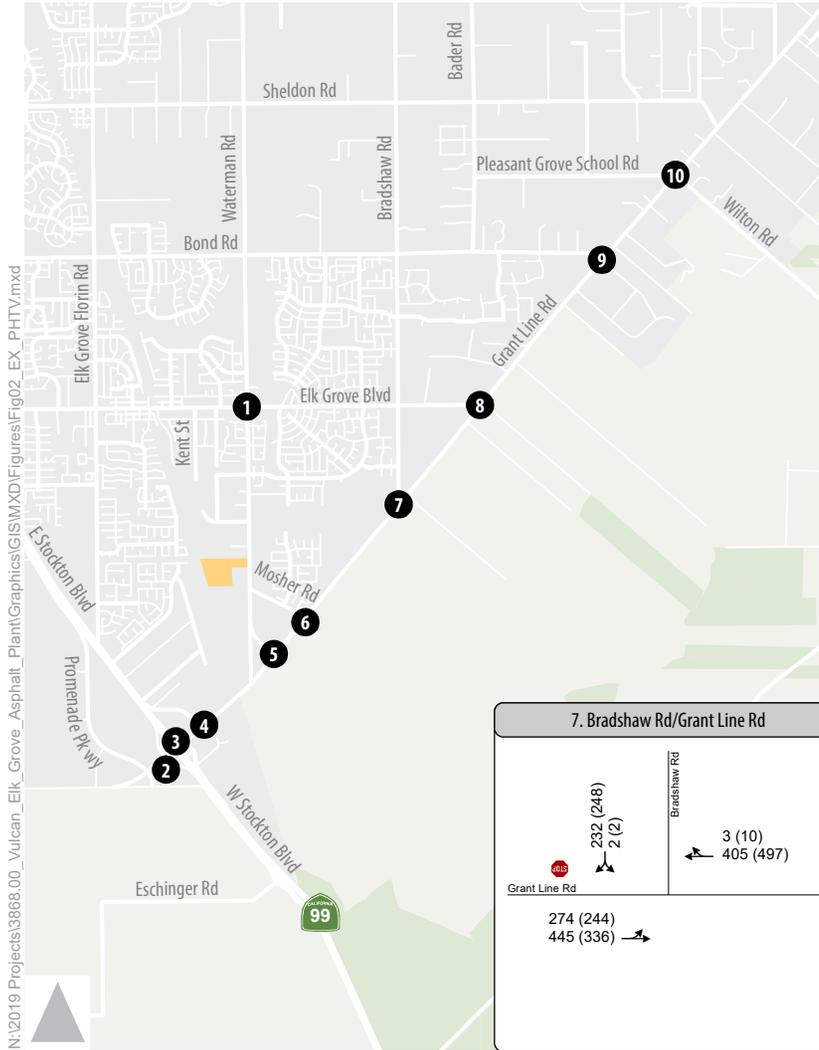


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- 1** Study Intersection
- Project Site
- Parks/Open Space



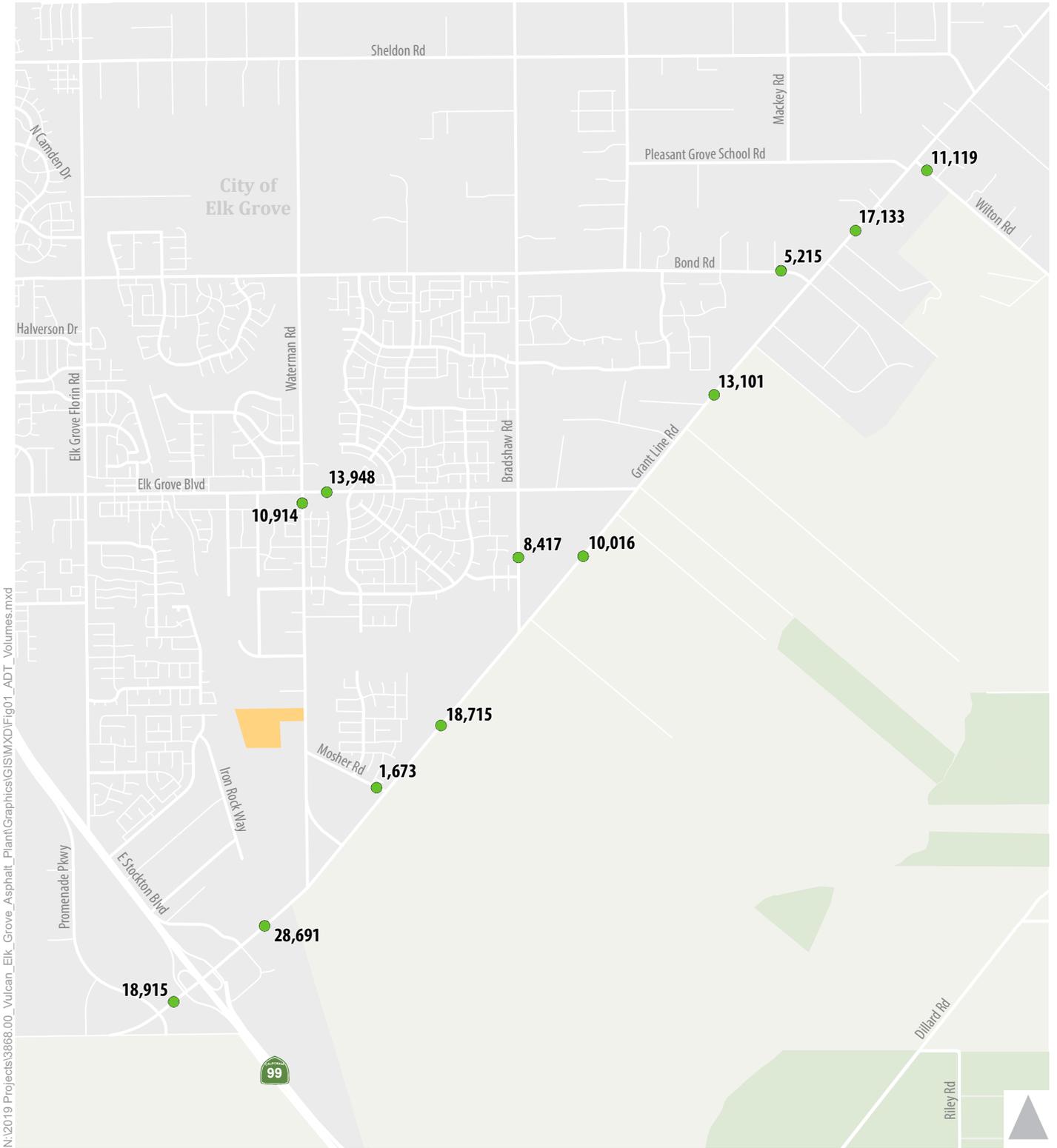
Figure 1
Study Area



- 1 Study Intersection
- Project Site
- Turn Lane
- AM (PM) Peak Hour Traffic Volume
- Traffic Signal
- Stop Sign



Figure 2
Peak Hour Traffic Volumes
and Lane Configurations -
Existing Conditions



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- x,xxx**
- Average Daily Traffic Volume (ADT)
- Project Site
- Parks/Open Space



Figure 3
Average Daily Traffic Volumes (ADT)

1.4 Analysis Methodology and Evaluation Criteria

Intersection Operations

The study intersections were analyzed using procedures and methodologies contained in the *Highway Capacity Manual, 6th Edition* (Transportation Research Board, 2016). These methodologies were applied using Synchro/SimTraffic 10 software, which considers traffic volumes, lane configurations, signal timings, signal coordination and other pertinent parameters of intersection operations. SimTraffic microsimulation was used to analyze operations at Intersections 2-6 due to higher traffic volumes, closer proximity between intersections, and anticipated queuing associated with the State Route 99 (SR 99) northbound and southbound ramps; Synchro was used to analyze operations at the remaining study intersections.

General Plan Policy MOB-1-3 includes performance targets for intersections which are displayed in **Table 1**. These targets represent aspirational goals but are not mandated performance standards. Intersection delay at all study intersections was compared to the Intersection Performance Target.

Table 1 – Intersection Performance Targets

Intersection Control	Delay in Seconds
Stop (Side-Street & All-Way)	< 35.1
Signal	< 55.1
Roundabout	<35.1

Source: City of Elk Grove Transportation Analysis Guidelines (December 2019)

Roadway Operations

General Plan Policy MOB-1-3 identifies performance targets for roadway segments in the City. Roadway performance targets vary depending on the type of facility, the number of lanes, presence of a median, and speed. **Table 2** displays the performance targets identified in the General Plan. The volumes on the study roadway segments were compared to the applicable Traffic Design Target.

Table 2: Roadway Segment Performance Targets

Facility Type	Number of Lanes	Median	Speed (mph)	Average Daily Traffic Design Target (Number of Vehicles)
Arterial or Arterial\Collector	2	No	25	13,600
			30	14,600
			35	15,700
			40	16,600
			45	17,700
			55	18,600
	Yes	25	14,300	

Table 2: Roadway Segment Performance Targets

Facility Type	Number of Lanes	Median	Speed (mph)	Average Daily Traffic Design Target (Number of Vehicles)
			30	15,600
			35	16,500
			40	17,500
			45	18,600
			55	19,600
	4	No	30	29,800
			35	31,600
			40	33,500
			45	35,300
	4	Yes	30	31,400
			35	33,300
			40	35,300
			45	37,200
	5	Yes	45	45,600
	6	Yes	30	46,400
			35	48,900
40			51,500	
45			54,000	
7	Yes	45	59,400	
8	Yes	45	64,800	
		55	72,000	
Expressway	4	Yes	55	64,800
	6	Yes	55	97,200
Freeway	4	Yes	55+	74,400
	6	Yes	55+	111,600
	8	Yes	55+	148,800

Source: City of Elk Grove Transportation Analysis Guidelines (December 2019)

Vehicle Miles Traveled

The City of Elk Grove Transportation Analysis Guidelines (December 2019) include vehicle miles traveled (VMT) screening criteria for land use and transportation projects. The screening criteria is displayed in **Figure 4**. Projects are deemed exempt if it is:

- A residential project of <10 dwelling units;
- A commercial, office, or industrial project of <50,000 square feet;

- A mixed-use project containing <10 dwelling units and <50,000 square feet of commercial, office, or industrial space;
- A project that is high density low-income housing on a high-density housing site as designated in the Housing Element.

Additionally, the City of Elk Grove has developed a VMT Screening Map that identifies areas in the City that are exempt from VMT analysis. These include sites that have been pre-screened through citywide VMT analysis. Pre-screened areas are shown in white on **Figure 5** and have been determined to result in 15 percent or below the average population VMT established for that land use designation if built to the specifications of the Land Use Plan. Areas shown in green on the screening map have not been pre-screened and must analyze VMT.

The screening criteria and screening map were used for the VMT analysis.

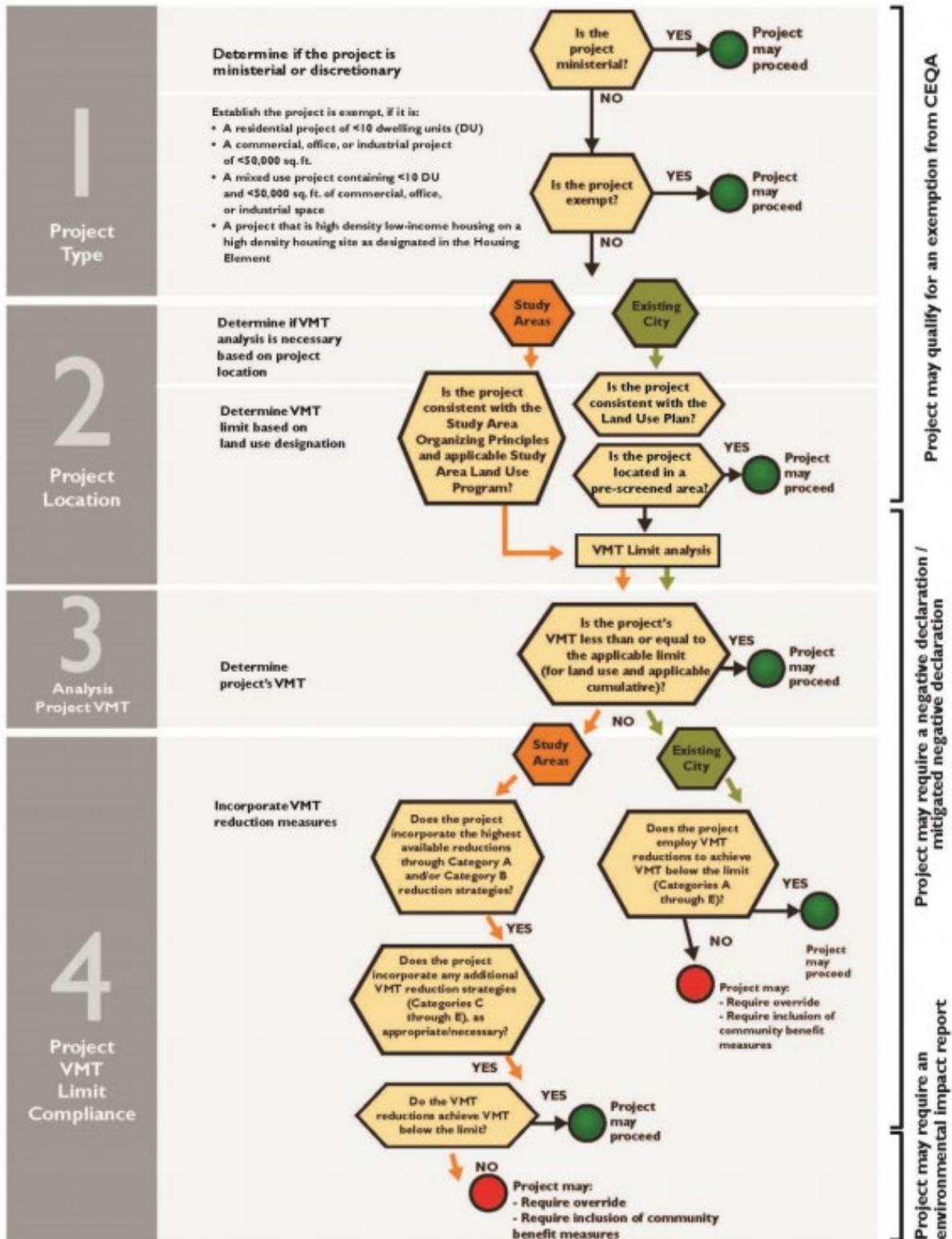


Figure 4 – VMT Screening Criteria; Source: City of Elk Grove Transportation Analysis Guidelines (December 2019)

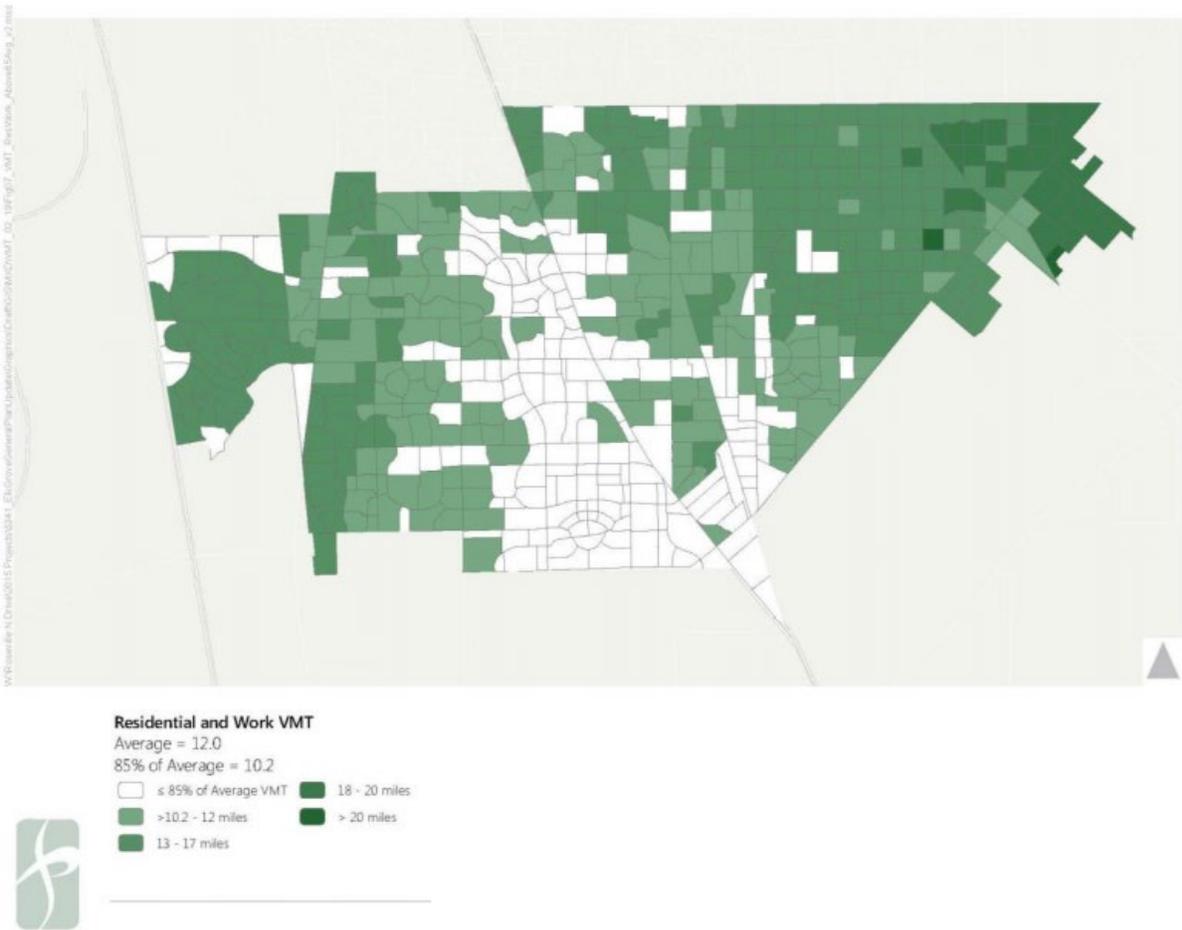


Figure 5 – VMT Screening Map; Source: City of Elk Grove Transportation Analysis Guidelines (December 2019)

Traffic Volume Forecasts

The modified version of the Sacramento Area Council of Government (SACOG) SACSIM travel demand forecasting (TDF) model developed for the City of Elk Grove General Plan update was used for the proposed project. The proposed project is consistent with the land use assumptions in the General Plan; therefore, the model was used to develop Cumulative Plus Project forecasts for the study intersections and roadway segments. Project trips were removed from the study intersections and roadway segments to analyze Cumulative No Project conditions.

2. Existing Conditions

This chapter describes the existing transportation system and traffic conditions within the study area, including the roadway, bicycle, pedestrian, and transit networks, and traffic operations at the study intersections and roadway segments.

2.1 Roadway Network

Figure 3 displays the existing roadway network in the project vicinity. Access to and from the project site is provided via Waterman Road. In addition to Waterman Road, several major local roadways would serve traffic generated by the proposed project. Key roadway facilities within the study area are described below:

- **Elk Grove Boulevard** is an east-west road extending from I-5 to Grant Line Road. Elk Grove Boulevard is six lanes from I-5 to East Stockton Boulevard, four lanes from East Stockton Boulevard to Elk Grove-Florin Road, and two lanes from Elk Grove-Florin Road to Grant Line Road. Elk Grove Boulevard is constructed to its General Plan designation between I-5 and Waterman Road. Elk Grove Boulevard is designated in the General Plan as a four-lane arterial between Waterman Road and Bradshaw Road and a two-lane arterial/collector east of Bradshaw Road.
- **Waterman Road** is a north-south roadway that extends from Calvine Road to Grant Line Road in the City. Waterman Road is generally two lanes but extends to three or four lanes along certain segments. Waterman Road is designated in the General Plan as a two-lane arterial/collector between Calvine Road and Elk Grove Boulevard and a four-lane arterial from Elk Grove Boulevard to Grant Line Road.
- **Grant Line Road** traverses the City in a southwest to northeast direction. Grant Line Road extends from SR 99 through the City to White Rock Road in Rancho Cordova. Grant Line Road is six lanes between SR 99 and East Stockton Boulevard. Between East Stockton and Waterman Road, Grant Line Road is four lanes. East of Waterman Road, Grant Line Road is two lanes. Grant Line Road is designated in the General Plan as an eight-lane arterial between SR 99 and Bradshaw Road and as a four-lane arterial east of Bradshaw Road. Grant Line Road is also part of the Capital SouthEast Connector project.
- **Mosher Road** is a two-lane northwest-southeast collector that connects Waterman Road and Grant Line Road. Mosher Road provides access to the Sonoma Creek residential subdivision and is consistent with the General Plan designation as a two-lane roadway.

- **Bradshaw Road** is a two-lane north-south roadway extending from Folsom Boulevard in Sacramento County to Grant Line Road in Elk Grove. Bradshaw Road is designated in the General Plan as a four-lane arterial.
- **Bond Road** is an east-west roadway that extends from SR 99 to Grant Line Road. Bond Road is six lanes from SR 99 to East Stockton Boulevard (i.e., at the SR 99 Interchange) and four lanes from East Stockton Boulevard to Bradshaw Road. East of Bradshaw Road, Bond Road is two lanes, which is consistent with the General Plan designation.
- **Wilton Road** is a two-lane northwest-southeast collector that connects Grant Line Road in the City of Elk Grove to the town of Wilton. Wilton Road is designated in the General Plan as a two-lane collector.

2.2 Existing Pedestrian, Bicycle and Transit Facilities

Existing Pedestrian Facilities

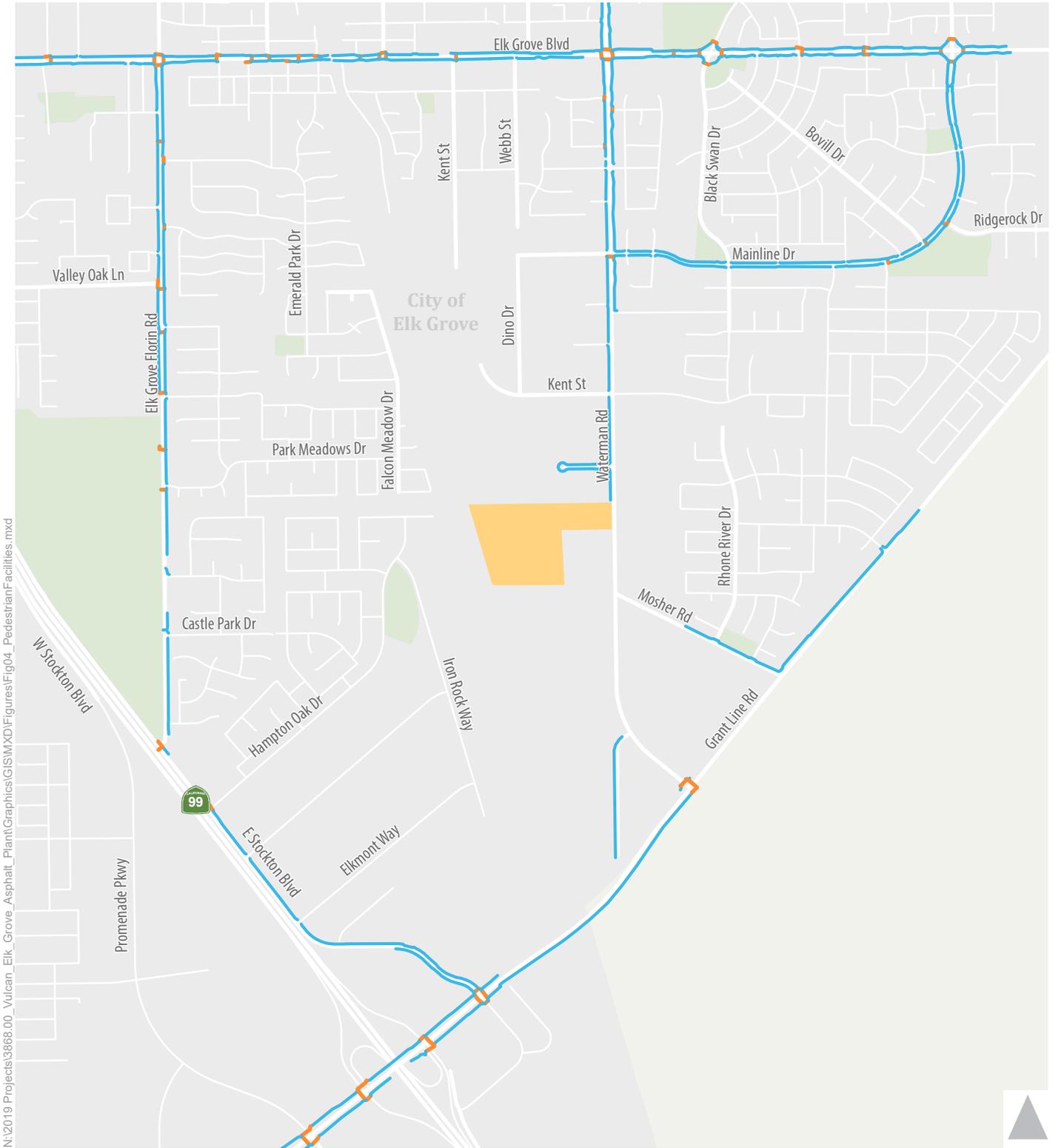
Figure 6 displays the existing pedestrian facilities near the project site. As shown, sidewalks are present on Waterman Road north of the project site along the western frontage. Most of the land on the east and west side of Waterman Road between the project site and Grant Line Road and on the east side of Waterman Road between the project site and Charolais Way is undeveloped and currently lack sidewalks. However, the City of Elk Grove Improvement Standards (amended June 22, 2020) require an eight-foot sidewalk with new development along minor arterial roadways; therefore, as the parcels adjacent to Waterman Road develop, it is anticipated that sidewalks will be constructed with each project.

Existing Bicycle Facilities

The City of Elk Grove Bicycle, Pedestrian and Trails Master Plan (City of Elk Grove, 2014) identifies the following bicycle facility types:

- **Class I Bikeways (Bike Path):** A completely separated right-of-way for the exclusive use of bicycles, pedestrians and, in some cases, equestrians and other non-motorized travel such as roller skating, skateboarding, and so forth. These facilities provide an alternative to sidewalks or on-street bicycle lanes. Crossflow by motor vehicle is minimized. Class I Bikeways provide important recreational opportunities, but can also be used to close gaps to bicycle travel caused by construction of freeways or natural barriers (rivers, streams, etc.).
- **Class II Bikeways (Bike Lane):** A striped lane for one-way bike travel directly on the roadway. Vehicle crossflow generally occurs at intersections and driveways. Bike lanes are usually at least four to five feet wide and delineated from the motor vehicle lane by a solid white stripe. They serve to separate motor vehicle and bicycle traffic and provide for more predictable movements

by each. Bike lanes are often established along streets in corridors where there is significant bicycle demand.



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- Crosswalk
- Sidewalk
- Project Site
- Parks/Open Space



Figure 6
Existing Pedestrian Facilities

- **Class III Bikeways (Bike Route):** An on-street route that provides for shared use of the roadway by bicycles and motor vehicles. Class III facilities are usually designated by Bike Route signs and permanent markings, such as “sharrow symbols,” that illustrate to drivers that bicyclists are legitimate users of the lane space. Class III routes are often designated on roadways with low levels of motor vehicle traffic or are used as alternative routes through high-demand corridors.

Figure 7 displays the existing bicycle facilities in the study area. As shown, Class II bike lanes exist along the western frontage of Waterman Road north of the project site. There are no bicycle facilities along the undeveloped parcel frontages adjacent to Waterman Road. The City of Elk Grove General Plan identifies a proposed bike lane south of the project site to Grant Line Road and the City of Elk Grove Improvement Standards (amended June 22, 2020) require a five foot bike lane on minor arterials. Therefore, it is anticipated that bicycle facilities will be constructed as each parcel along Waterman Road develops.

Existing Transit Facilities

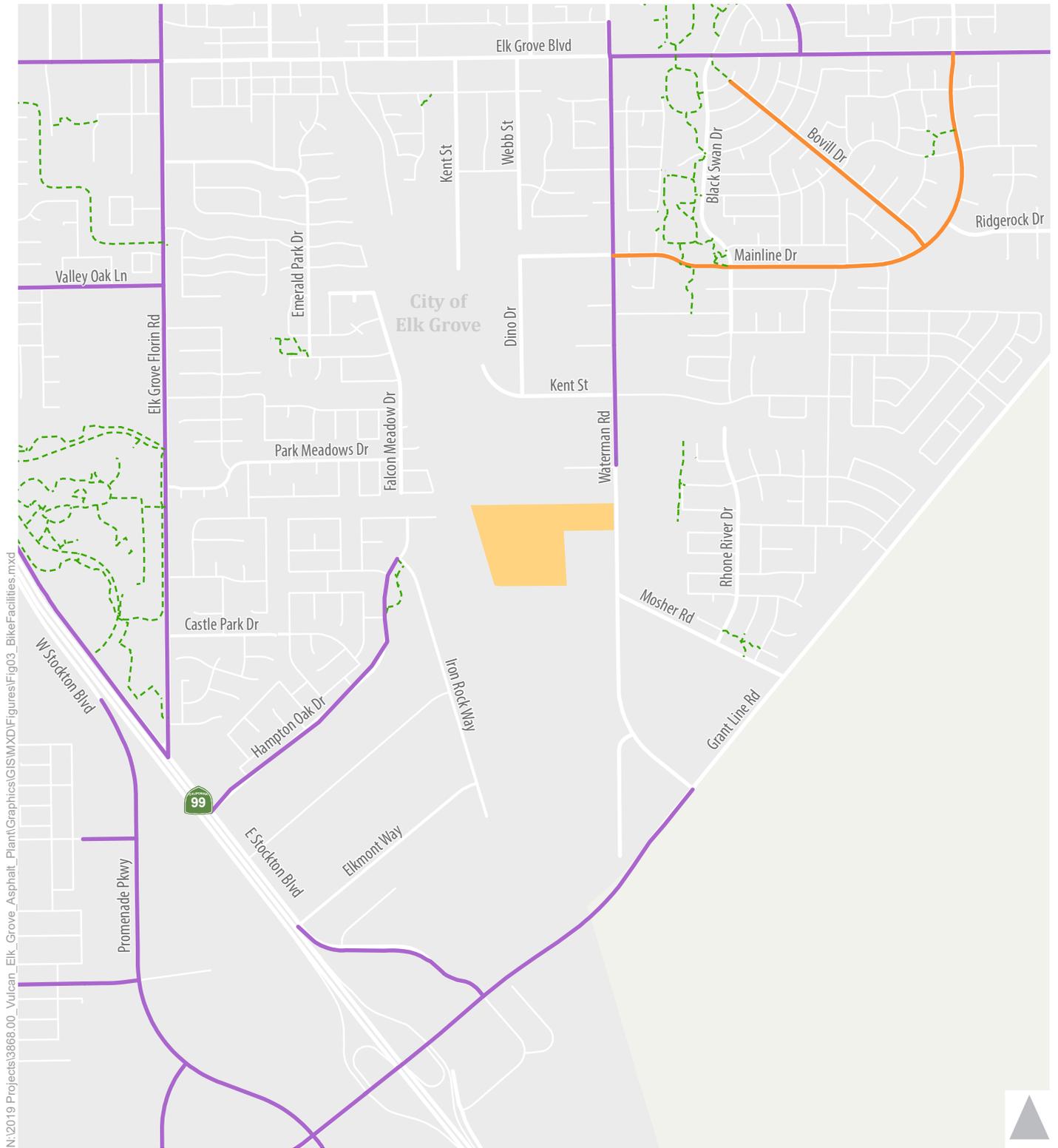
Transit services in the City of Elk Grove are provided by E-Tran, which is operated by Sacramento Regional Transit (SacRT). The nearest transit stops to the proposed project site are located on Elk Grove Boulevard near the Elk Grove Boulevard/Waterman Road intersection. The transit service routes that serve these stops are displayed on **Figure 8** and described below.

- **Commuter Route 16:** Commuter Route 16 provides northbound service from the City of Elk Grove to Downtown Sacramento from approximately 6:00 AM to 8:00 AM and southbound service from Downtown Sacramento to the City of Elk Grove from approximately 4:00 PM to 6:00 PM. Commuter routes provide service Monday through Friday and do not operate on weekends or major holidays.
- **Local Route 116:** Local Route 116 provides services from southeast Elk Grove to Cosumnes River College with stops on Elk Grove Boulevard and Bruceville Road. Hourly service is provided Monday through Friday from approximately 6:00 AM to 7:40 PM. Hourly services is provided on Saturday from approximately 7:20 AM to 6:20 PM. No services are provided on Sunday or major holidays.

As displayed, additional routes serve the study area west of the project site along Elk Grove Florin Road. However, the nearest stop is almost 2 miles from the proposed project site as individuals would have to travel along Waterman Road, Grant Line Road and East Stockton Boulevard to access it.

2.3 Existing Intersection Operations

Figure 2 displays the existing AM and PM peak hour intersection turning movement volumes, traffic controls, and lane configurations. **Table 3** shows the existing peak hour intersection operations at the study intersections. Technical calculations are provided in **Appendix A**.

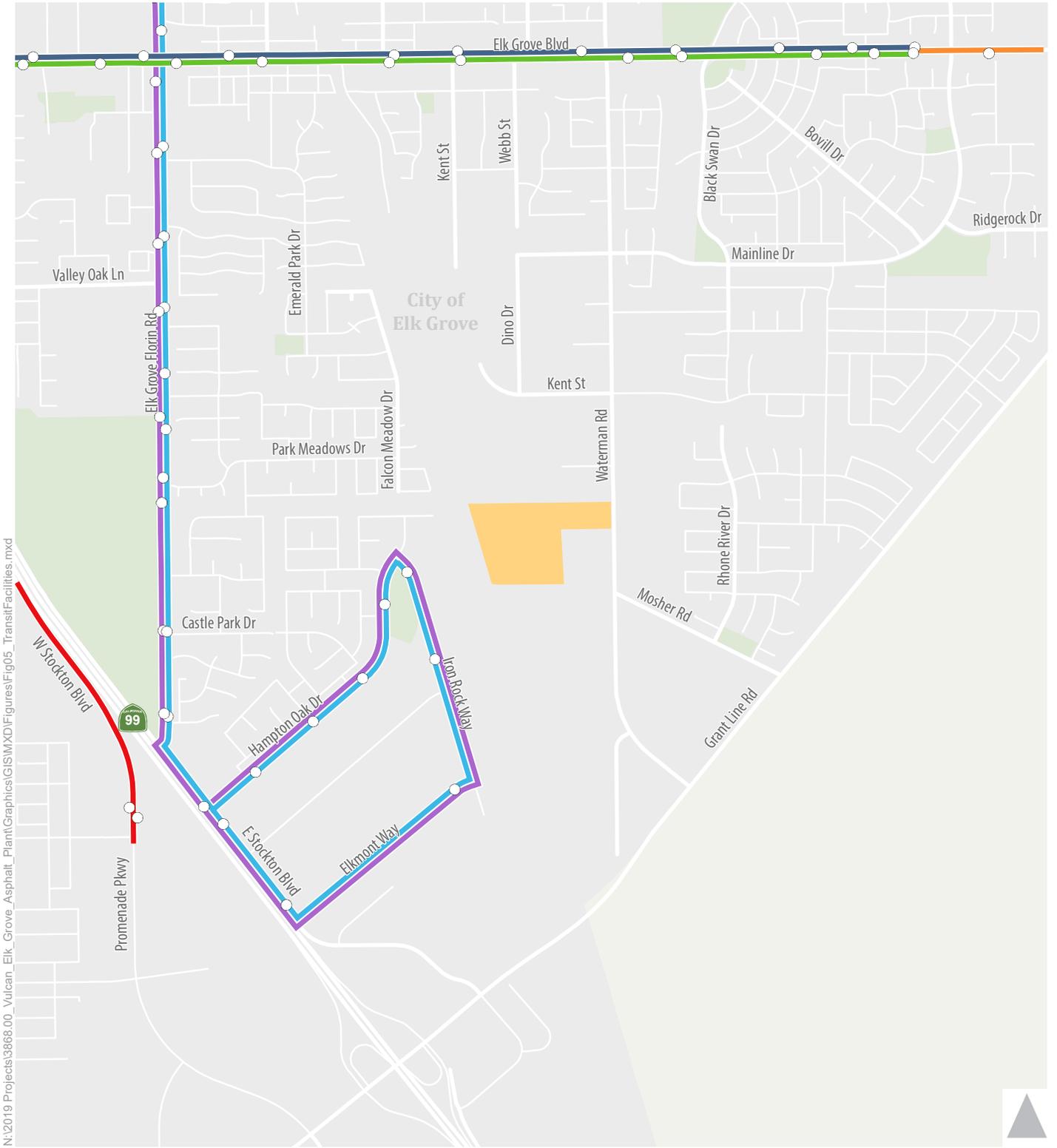


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- - - Class I Multi-use Path
- Class II Bike Lane
- Class III Bike Path
- Project Site
- Parks/Open Space



Figure 7
Existing Bicycle Facilities



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- E-tran Transit Route
- 13 113 ○ Bus Stop
- 16 115 ■ Project Site
- 110 116 ■ Parks/Open Space



Figure 8
Existing Transit Facilities

Table 3: Intersection Operations – Existing Conditions

Intersection ¹	Traffic Control	Peak Hour	Delay ²
1. Elk Grove Boulevard & Waterman Road	Signal	AM PM	41.6 34.3
2. Grant Line Road & SR 99 SB Ramps	Signal	AM PM	7.5 6.9
3. Grant Line Road & SR 99 NB Ramps	Signal	AM PM	14.4 11.7
4. Grant Line Road & Stockton Road & Survey Road	Signal	AM PM	33.6 38.4
5. Grant Line Road & Waterman Road	Signal	AM PM	27.3 24.5
6. Grant Line Road & Mosher Road	Side Street Stop Control	AM PM	24.9 17.0
7. Grant Line Road & Bradshaw Road	Side Street Stop Control	AM PM	15.9 18.2
8. Grant Line Road & Elk Grove Boulevard	All-Way Stop Control	AM PM	20.1 20.9
9. Grant Line Road & Bond Road	Signal	AM PM	17.7 16.3
10. Grant Line Road & Wilton Road	Signal	AM PM	42.6 40.6

Notes:

¹ Intersections 2-6 were analyzed using Simtraffic. Intersections 1, and 7-10 were analyzed using Synchro.

² For signalized intersections and all-way stop controlled intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side street stop-controlled intersections, intersection delay is reported in seconds per vehicle for the worst approach. Intersection delay is calculated based on the procedures and methodology contained in the Highway Capacity Manual 6th Edition (Transportation Research Board, 2016).

Source: Fehr & Peers 2020

As displayed, all intersections operate acceptably under existing conditions.

2.4 Existing Roadway Operations

Table 4 compares the existing average daily traffic (ADT) for each study segment to the established roadway performance target. As shown, most study roadway segments meet the performance target; however, two segments on Grant Line Road (between Mosher Road and Bradshaw Road and between Bond Road and Wilton Road) exceed the performance target under existing conditions.

Table 4: Roadway Segment ADT – Existing Conditions

Roadway Segment	Facility Type	No. of Lanes	Median	Speed	ADT	Performance Target
1. Elk Grove Blvd – Waterman Rd to Black Swan Rd	Arterial	2	No	35	13,948	15,700
2. Waterman Rd – Elk Grove Blvd to Kliever Way	Arterial	3	No	35	10,914	15,700 ¹
3. Grant Line Rd - SR 99 SB Off-Ramp to Promenade Pkwy	Arterial	6	Yes	50	18,915	54,000 ²
4. Grant Line Rd – E. Stockton Blvd to Waterman Rd	Arterial	4	Yes	55	28,691	37,200
5. Grant Line Rd – Mosher Rd to Bradshaw Rd	Arterial	2	No	55	18,715	18,600
6. Grant Line Rd – Bradshaw Rd to Elk Grove Blvd	Arterial	2	No	55	10,016	18,600
7. Grant Line Rd – Elk Grove Blvd to Bond Rd	Arterial	2	No	55	13,101	18,600
8. Grant Line Rd – Bond Rd to Wilton Rd	Arterial	2	No	35	17,133	15,700
9. Mosher Rd – Waterman Rd to Grant Line Rd	Collector	2	No	35	1,673	15,700
10. Bradshaw Rd – Elk Grove Blvd to Grant Line Rd	Arterial	2	No	55	8,417	18,600
11. Bond Rd – Van Ruiten Ln to Grant Line Rd	Arterial	2	No	45	5,215	17,700
12. Wilton Rd – Grant Line Rd to Leisure Oak Ln	Arterial	2	No	50	11,119	17,700 ³

Notes:

¹General Plan does not identify a performance target for three lane facilities. The performance target for this facility with two lanes was used.

²General Plan does not identify a performance target for a six lane facility with a speed of 50 mph. The performance target for a six lane facility with 45 mph speed was used.

³General Plan does not identify a performance target for a two lane facility with a speed of 50 mph. The performance target for a two lane facility with 45 mph speed was used.

Bold indicates roadway segment exceeds performance target.

Source: Fehr & Peers, 2020

3. Existing Plus Project Conditions

This chapter describes the project's travel characteristics and evaluates its impacts under Existing Plus Project Conditions.

3.1 Trip Generation

Daily vehicle trip generation was calculated in consultation with WRA, Inc. using information provided by Vulcan Materials Company. Trip generation was calculated separately for employees and for heavy vehicles. Vulcan Materials Company has indicated 33 employees will work at the proposed project site daily. As a result, employees are anticipated to generate 66 daily vehicle trips.

Heavy vehicle trips were calculated for each individual product type as some products will be imported while others will be exported and the type of truck and hauling capacity varies. Raw material and recycled concrete will be imported; ready-mix concrete (RMC), hot-mix asphalt and aggregate material will be exported. Raw material and recycled concrete trucks are anticipated to haul 25 tons per load, RMC trucks are anticipated to haul 13 tons per load, and hot-mix asphalt and aggregate material sales trucks are anticipated to haul 25 or 18 tons per load.

Based on information provided by Vulcan, raw material and recycled concrete will be delivered in 18-wheel belly-dump or end-dump trucks/trailers. At times, aggregate material sales will be exported in the same trucks/trailers. This allows some trips to be shared (i.e. a truck importing raw material or recycled concrete will leave with aggregate material). Vulcan anticipates 30% of the recycled concrete inbound and aggregate material sales outbound trips will be shared and 10% of the raw material inbound and aggregate material sales outbound trips will be shared. **Table 5** displays the daily trip generation for the proposed project.

Table 5: Daily Trip Generation

Material	Maximum Throughput (annual tons)	Tons/ Truck	Annual Trucks	Annual Truck Trips			Daily Truck Trips ⁶		
				In	Out	Total	In	Out	Total
Raw material import	600,000	25	24,000	24,000	21,600 ⁵	45,600	68	61	129
Ready-mix concrete (RMC)	406,000 ¹	13 ²	31,231	31,231	31,231	62,462	88	88	176
Recycled concrete	200,000	25	8,000	8,000	5,600 ⁵	13,600	23	16	39
Hot-mix asphalt	300,000	25	10,800 ³	10,800	10,800	21,600	30	30	60
		18	1,667 ³	1,667	1,667	3,333	5	5	10
Aggregate material sales	200,000	25	4,800 ⁴	0 ⁵	4,800	4,800	0	14	14
		18	4,444 ⁴	4,444	4,444	8,889	13	13	26
Total	1,706,000		84,942	80,142	80,142	160,284	227	227	454
Daily Employee Trips							33	33	66
Total Daily Trips							260	260	520

Notes:

¹ RMC max throughput was converted from 200,000 cubic yards (CY). We assumed 1 CY = 2.03 tons

² RMC tons/trip based on an average of 6.5 CY/trip

³ Assumes 90% of trips are 25 tons/trip and 10% are 18 tons/trip

⁴ Assumes 60% of trips are 25 tons/trip and 40% are 18 tons/trip

⁵ Assumes 30% of recycled concrete inbound and aggregate material sales outbound trips are shared and 10% raw material import inbound and aggregate material sales outbound trips are shared

⁶ Based on 355 working days

Source: Fehr & Peers and WRA, Inc., 2020

StreetLight Data collected at the existing Vulcan Materials Company quarry located at 11501 Florin Road in Sacramento County was used to inform the AM and PM peak hour trip generation for the proposed project. Tuesday through Thursday hourly data collected between January 2019 and December 2019 was used to develop the average number of trips that occur during the AM and PM peak hours. The number of AM and PM peak hour trips was compared to daily trips at the existing facility to develop an AM and PM peak hour K-factor (i.e. the percentage of daily trips that occur during each peak hour). The K-factor was used to determine how many AM and PM peak hour trips the project site will generate based on the daily trip generation displayed in **Table 5**. **Table 6** shows the AM and PM peak hour trip generation for the proposed project.

Table 6: AM and PM Peak Hour Trip Generation

Trip Type	AM Peak Hour			PM Peak Hour		
	In	Out	Total	In	Out	Total
Employees	3	3	6	1	1	2
Heavy Vehicles	23	23	46	5	6	11
Total	26	26	52	6	7	13

Source: Fehr & Peers., 2020

3.2 Trip Distribution

Heavy vehicle trips were distributed based on existing traffic counts, the location of the quarry that supplies the raw material import, and the anticipated distribution of products being exported from the site.

As previously noted, the Vulcan Materials Company quarry is located at 11501 Florin Road in Sacramento County. All the raw material import will be coming from this quarry and trucks not in use are typically stored at this location; therefore, 100% of raw material import trips were distributed to/from this site.

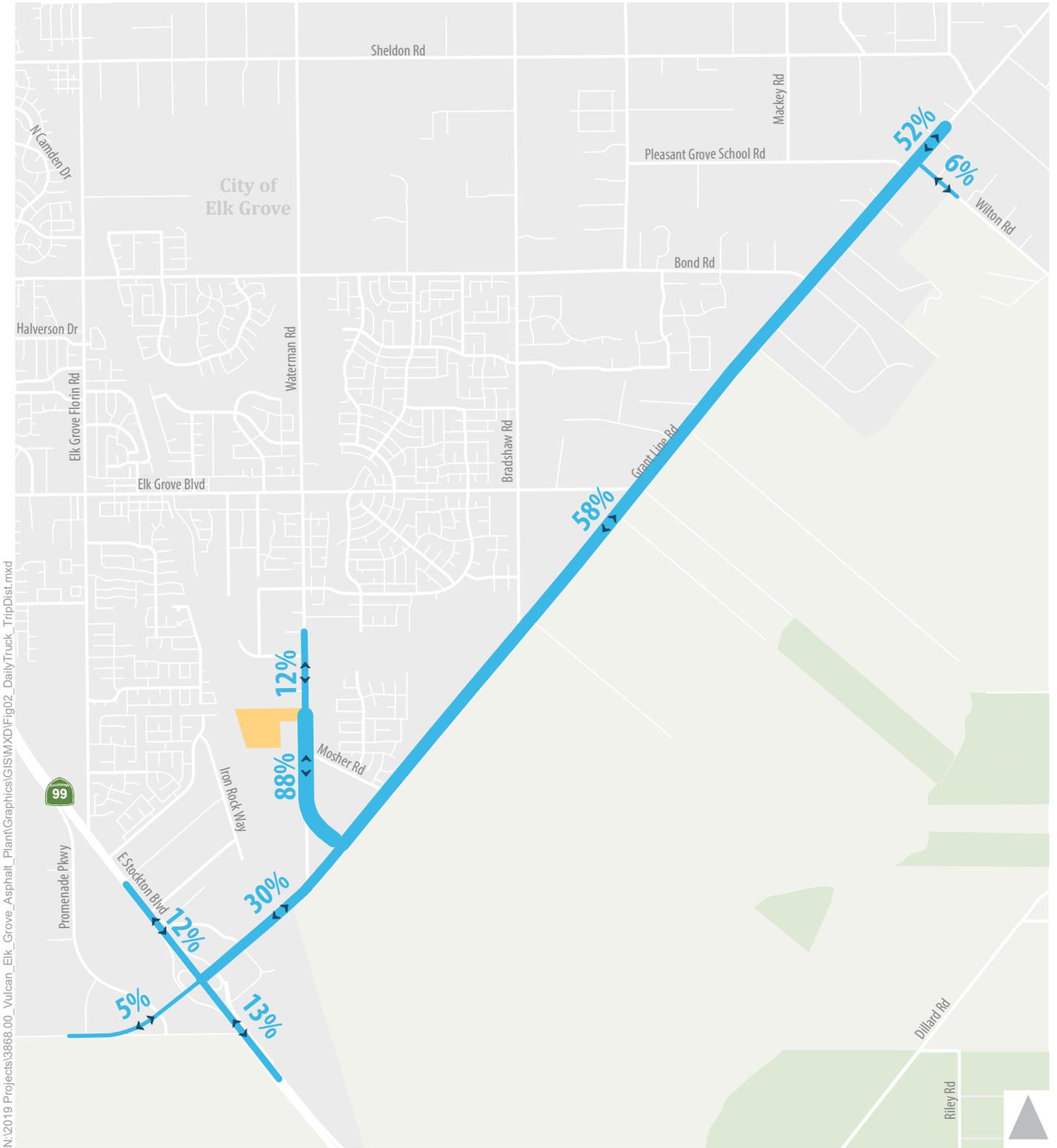
For the remaining heavy vehicle trips, 50% were distributed locally within the City of Elk Grove based on existing counts, 20% were distributed to locations northeast of the project site in and near Folsom and Rancho Cordova, 12% were distributed northbound on State Route (SR) 99, 13% were distributed southbound on SR 99 and 5% were distributed westbound on Kammerer Road. **Figure 9** displays this distribution.

Employee trips were distributed based on existing traffic counts.

3.3 Existing Plus Project Intersection Operations

Project trips were added to the intersections based on the trip generation and distribution previously described. **Figure 10** displays the existing plus project AM and PM peak hour turning movement volumes.

Table 7 presents the results of the existing plus project operations analysis. Technical calculations are provided in **Appendix A**.



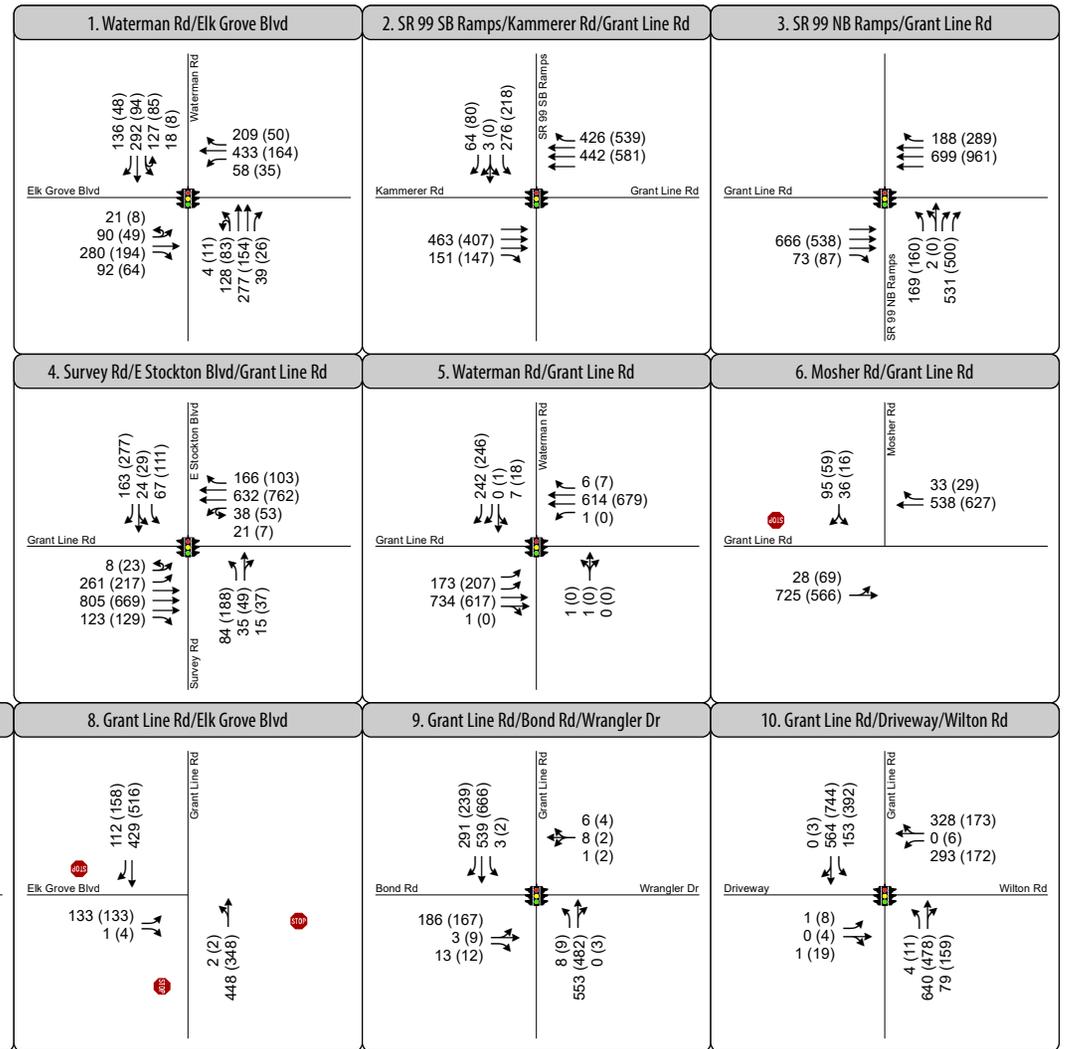
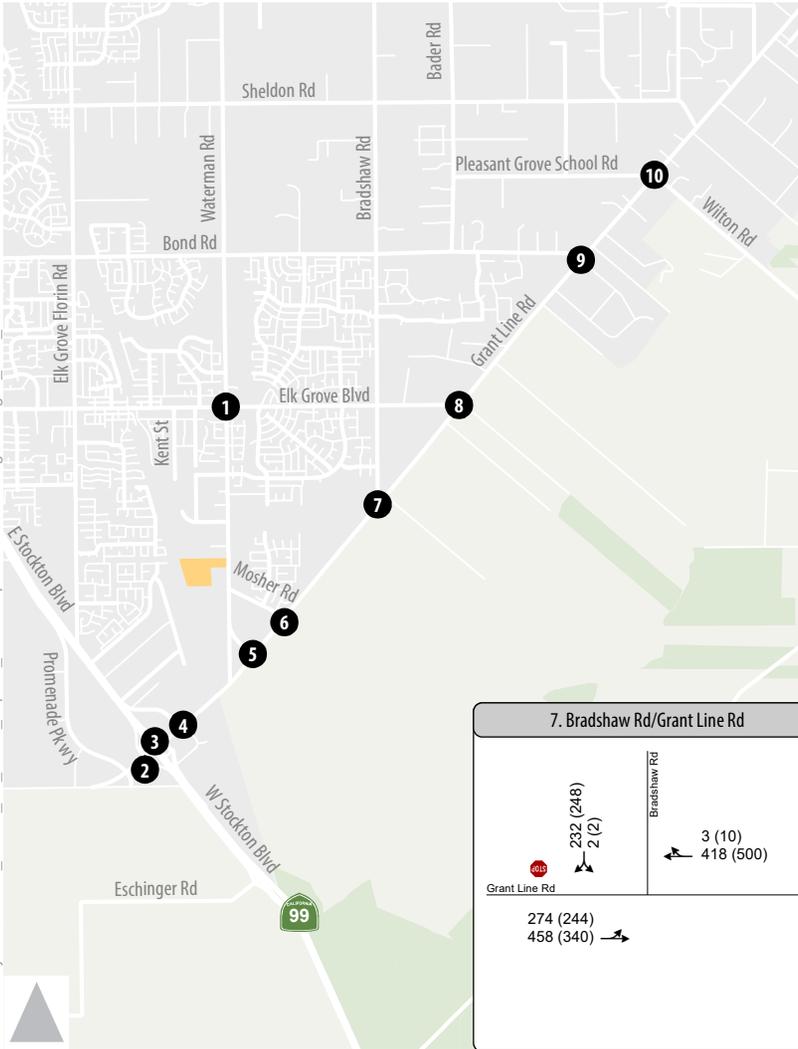
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- xx%** Daily Truck Trip Distribution Percentage
- Project Site
- Parks/Open Space



Figure 9
Heavy Vehicle Trip Distribution

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- 1 Study Intersection
- Project Site
- Turn Lane
- AM (PM)** Peak Hour Traffic Volume
- Traffic Signal
- Stop Sign



Figure 10
Peak Hour Traffic Volumes
and Lane Configurations -
Existing Plus Project Conditions

Table 7: Intersection Operations – Existing Plus Project Conditions

Intersection ¹	Traffic Control	Peak Hour	Existing Delay ²	Existing Plus Project Delay ²
1. Elk Grove Boulevard & Waterman Road	Signal	AM PM	41.6 34.3	41.6 34.2
2. Grant Line Road & SR 99 SB Ramps	Signal	AM PM	7.5 6.9	7.6 7.0
3. Grant Line Road & SR 99 NB Ramps	Signal	AM PM	14.4 11.7	14.1 11.5
4. Grant Line Road & Stockton Road & Survey Road	Signal	AM PM	33.6 38.4	34.8 39.2
5. Grant Line Road & Waterman Road	Signal	AM PM	27.3 24.5	26.8 26.7
6. Grant Line Road & Mosher Road	Side Street Stop Control	AM PM	24.9 17.0	22.5 19.9
7. Grant Line Road & Bradshaw Road	Side Street Stop Control	AM PM	15.9 18.2	16.3 18.4
8. Grant Line Road & Elk Grove Boulevard	All-Way Stop Control	AM PM	20.1 20.9	21.5 21.3
9. Grant Line Road & Bond Road	Signal	AM PM	17.7 16.3	17.8 16.3
10. Grant Line Road & Wilton Road	Signal	AM PM	42.6 40.6	43.8 40.9

Notes:

¹ Intersections 2-6 were analyzed using Simtraffic. Intersections 1, and 7-10 were analyzed using Synchro.

² For signalized intersections and all-way stop controlled intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side street stop-controlled intersections, intersection delay is reported in seconds per vehicle for the worst approach. Intersection delay is calculated based on the procedures and methodology contained in the Highway Capacity Manual 6th Edition (Transportation Research Board, 2016).

Source: Fehr & Peers 2020

As displayed, all intersections would operate acceptably under existing plus project conditions.

3.4 Existing Plus Project Roadway Operations

Project trips were added to the study roadway segments based on the trip generation and distribution previously described. **Table 8** presents the ADT under existing plus project conditions.

Table 8: Roadway Segment ADT – Existing Plus Project Conditions

Roadway Segment	Existing ADT	Existing Plus Project ADT	Performance Target
1. Elk Grove Blvd – Waterman Rd to Black Swan Rd	13,948	13,966	15,700
2. Waterman Rd – Elk Grove Blvd to Kliever Way	10,914	11,070	15,700 ¹
3. Grant Line Rd - SR 99 SB Off-Ramp to Promenade Pkwy	18,915	18,931	54,000
4. Grant Line Rd – E. Stockton Blvd to Waterman Rd	28,691	28,789	37,200
5. Grant Line Rd – Mosher Rd to Bradshaw Rd	18,715	18,983	18,600
6. Grant Line Rd – Bradshaw Rd to Elk Grove Blvd	10,016	10,284	18,600
7. Grant Line Rd – Elk Grove Blvd to Bond Rd	13,101	13,369	18,600
8. Grant Line Rd – Bond Rd to Wilton Rd	17,133	17,401	15,700
9. Mosher Rd – Waterman Rd to Grant Line Rd	1,673	1,687	15,700
10. Bradshaw Rd – Elk Grove Blvd to Grant Line Rd	8,417	8,417	18,600
11. Bond Rd – Van Ruiten Ln to Grant Line Rd	5,215	5,215	17,700
12. Wilton Rd – Grant Line Rd to Leisure Oak Ln	11,119	11,139	17,700

Notes:

Bold indicates roadway segment exceeds performance target.

Source: Fehr & Peers, 2020

As shown, Grant Line Road between Mosher Road and Bradshaw Road and between Bond Road and Wilton Road continues to exceed the established performance target under existing plus project conditions. The project would add approximately 270 trips to each roadway segment. Daily traffic volumes on all other study segments would not exceed the established performance target.

4. Cumulative Conditions

This chapter analyzes the cumulative impacts of the proposed project on the transportation system. Intersection operations and roadway segments were analyzed for cumulative no project and cumulative plus project conditions.

4.1 Cumulative Intersection Operations

Table 9 presents the results of the cumulative no project and cumulative plus project intersection operations analysis. **Figures 11 and 12** display the forecasted volumes, intersection controls, and lane configurations.

Table 9: Intersection Operations – Cumulative Year Conditions

Intersection ¹	Traffic Control	Peak Hour	Cumulative No Project Delay ²	Cumulative Plus Project Delay ²
1. Elk Grove Boulevard & Waterman Road	Signal	AM PM	55.3 69.4	55.8 69.5
2. Grant Line Road & SR 99 SB Ramps	Signal	AM PM	71.0 38.9	75.6 39.7
3. Grant Line Road & SR 99 NB Ramps	Signal	AM PM	49.5 72.5	52.1 70.6
4. Grant Line Road & Stockton Road & Survey Road	Signal	AM PM	72.8 173.4	76.1 174.6
5. Grant Line Road & Waterman Road	Signal	AM PM	93.1 99.9	93.8 96.4
6. Grant Line Road & Mosher Road	Signal	AM PM	21.5 38.7	25.6 38.5
7. Grant Line Road & Bradshaw Road	Signal	AM PM	155.7 66.7	156.8 66.7
8. Grant Line Road & Elk Grove Boulevard	Signal	AM PM	14.9 11.4	15.0 11.4
9. Grant Line Road & Bond Road	Signal	AM PM	26.2 21.4	26.9 21.5
10. Grant Line Road & Wilton Road	Signal	AM PM	51.4 40.6	52.1 40.7

Table 9: Intersection Operations – Cumulative Year Conditions

Intersection ¹	Traffic Control	Peak Hour	Cumulative No Project Delay ²	Cumulative Plus Project Delay ²
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Notes:

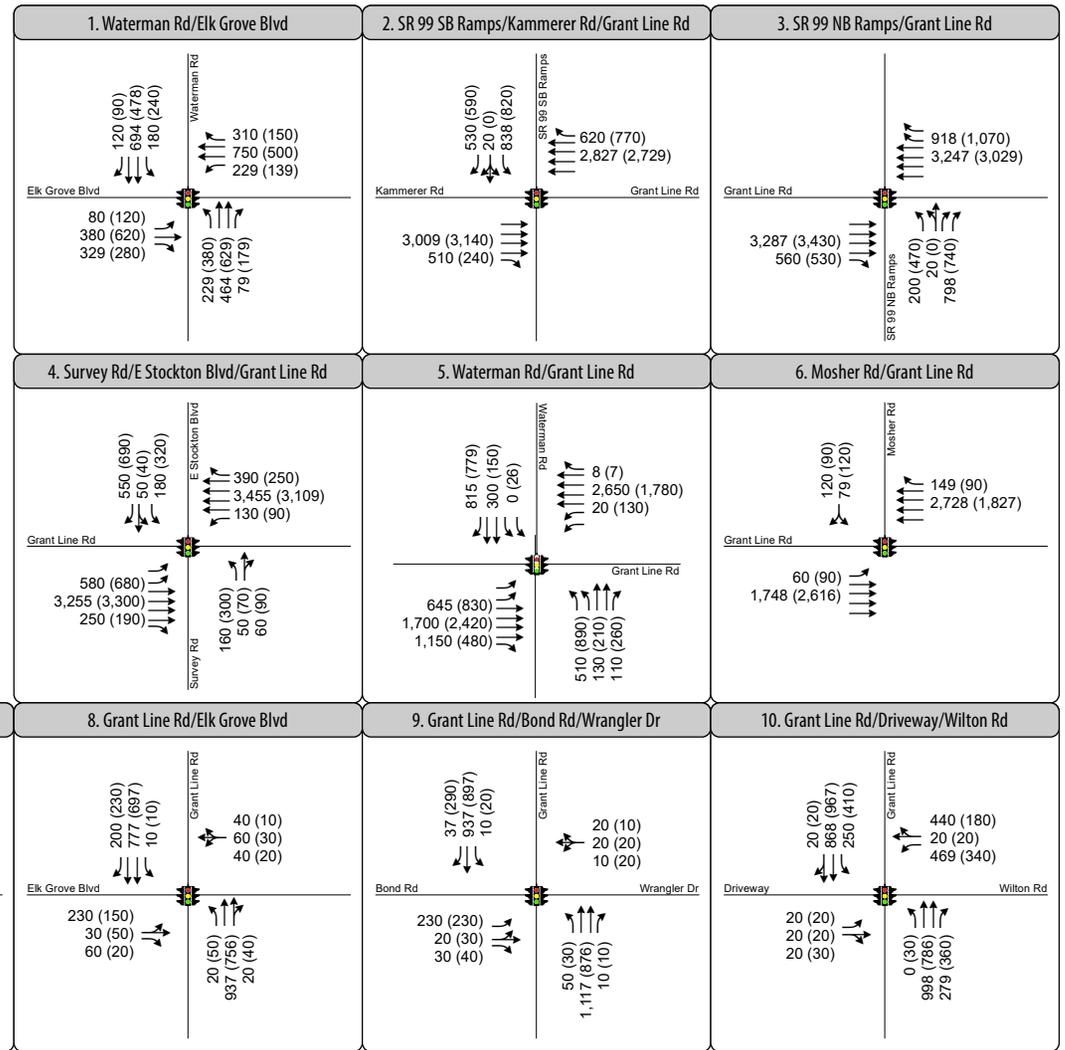
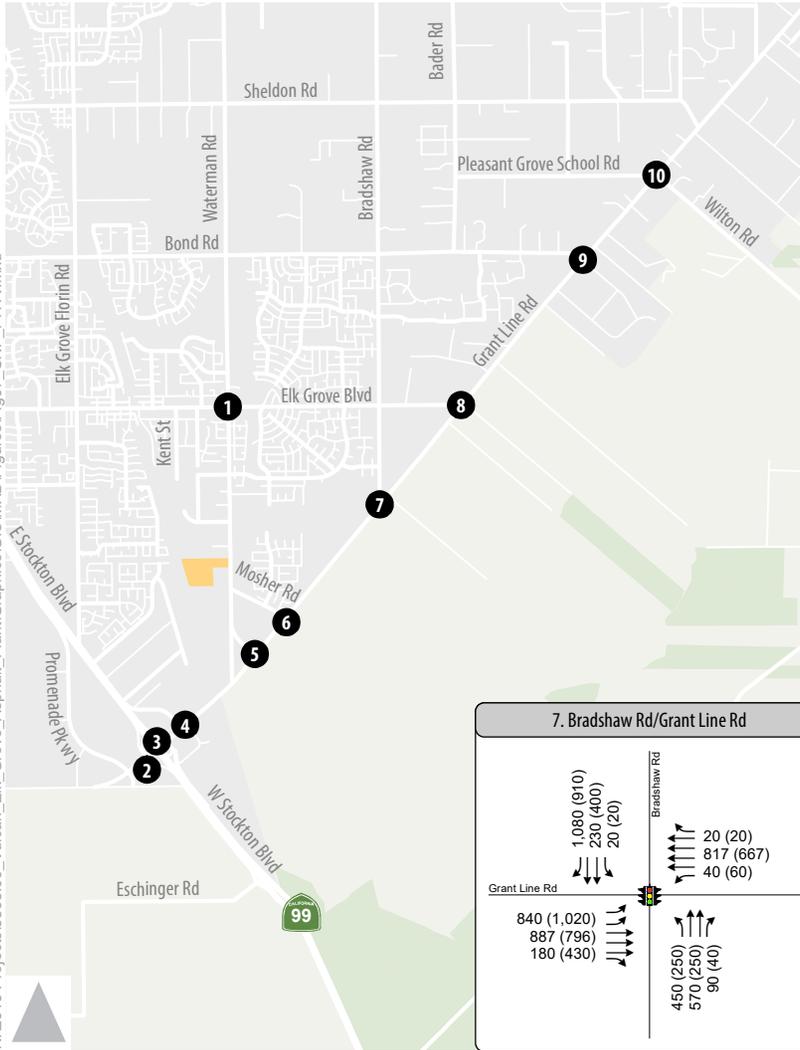
¹ Intersections 2-6 were analyzed using Simtraffic. Intersections 1, and 7-10 were analyzed using Synchro.

² For signalized intersections and all-way stop controlled intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side street stop-controlled intersections, intersection delay is reported in seconds per vehicle for the worst approach. Intersection delay is calculated based on the procedures and methodology contained in the Highway Capacity Manual 6th Edition (Transportation Research Board, 2016).

Bold indicates intersection exceeds performance target.

Source: Fehr & Peers 2020

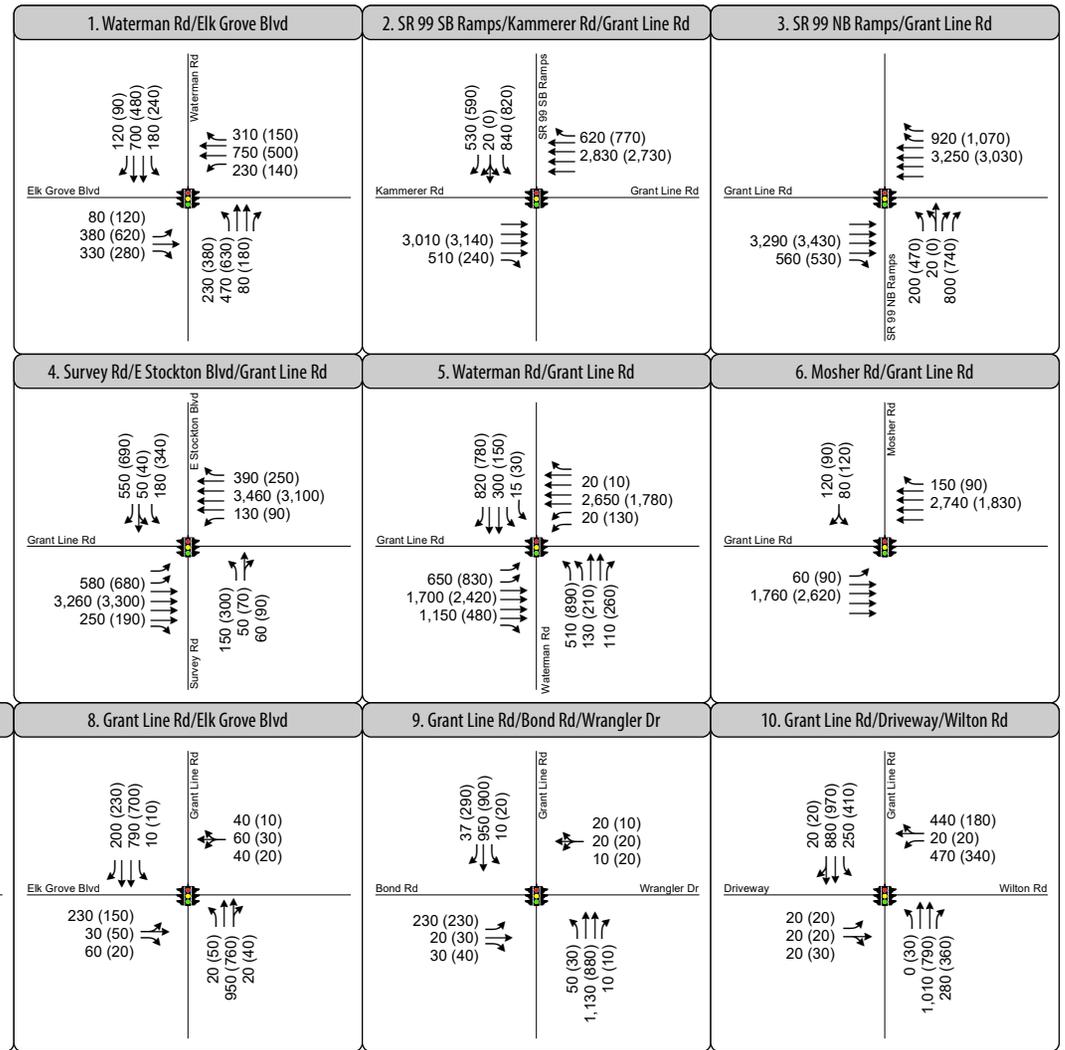
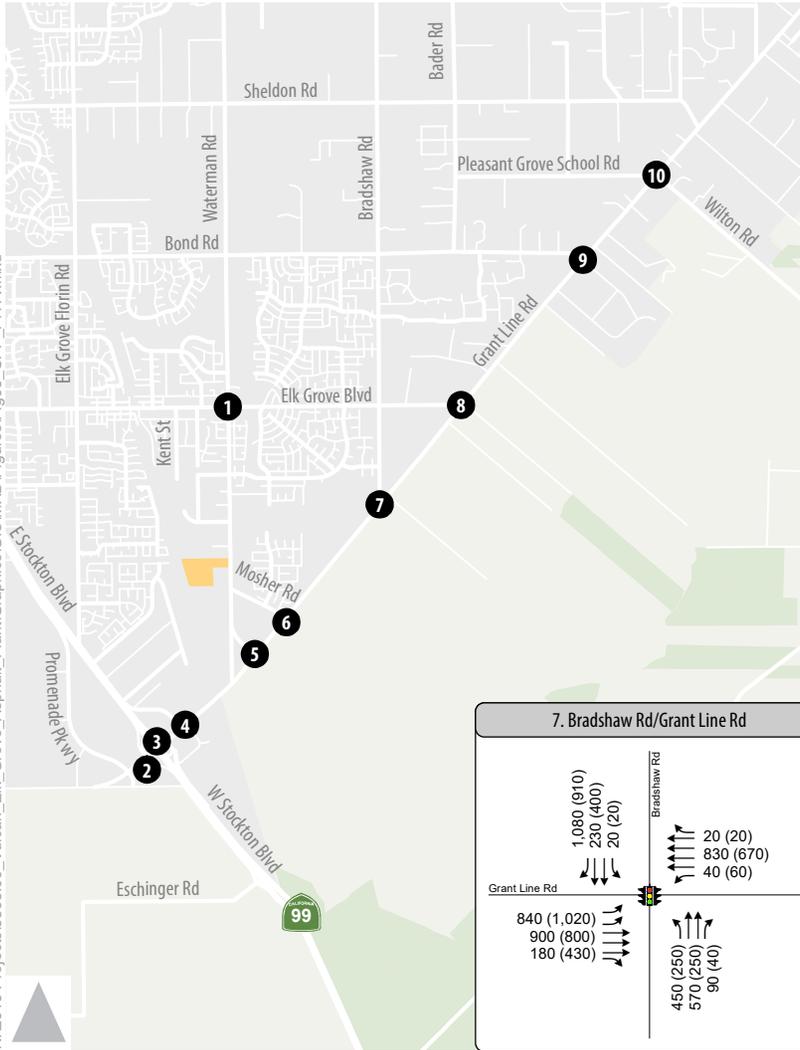
As displayed, six of the study intersections exceed the established performance target during one or both of the peak hours without and with the proposed project. Intersections 1, 4, 5 and 7 exceed the established performance target during both the AM and PM peak hour. Intersection 2 exceeds the established performance target during the AM peak hour and Intersection 3 exceeds the established performance target during the PM peak hour. Minimal changes in delay occur with the proposed project due to the low number of AM and PM peak hour trips that the project will generate and the project does not result in any intersections operating below the established performance target to exceed the established performance target. Therefore, the effect of adding additional traffic to these intersections would be negligible. Because these intersections exceed the performance target without the Proposed Project, the project does not cause any new intersections to exceed the performance targets, and the proposed project is consistent with the General Plan, additional improvements beyond those contemplated in the General Plan are not recommended



- 1 Study Intersection
- Project Site
- Turn Lane
- Traffic Signal
- AM (PM) Peak Hour Traffic Volume



Figure 11
Peak Hour Traffic Volumes
and Lane Configurations -
Cumulative No Project Conditions



- 1** Study Intersection
- Project Site
- Turn Lane
- AM (PM)** Peak Hour Traffic Volume
- Traffic Signal



Figure 12

Peak Hour Traffic Volumes and Lane Configurations - Cumulative Plus Project Conditions

4.2 Cumulative Roadway Segment Operations

Cumulative year forecasts developed for the City of Elk Grove's General Plan update were used for the cumulative year analysis. **Table 10** displays the roadway segment facility type, performance target and ADT under cumulative no project and cumulative plus project conditions.

Table 10: Cumulative Conditions – Roadway Segment ADT

Roadway Segment	Facility Type	No. of Lanes	Median	Speed	CNP ADT	CPP ADT	Performance Target
1. Elk Grove Blvd – Waterman Rd to Black Swan Rd	Arterial	2	Yes	35	16,782	16,800	16,500
2. Waterman Rd – Elk Grove Blvd to Kliever Way	Arterial	4	Yes	45	25,078	25,600	37,200
3. Grant Line Rd - SR 99 SB Off-Ramp to Promenade Pkwy	Arterial	8	Yes	55	92,284	92,300	72,000
4. Grant Line Rd – E. Stockton Blvd to Waterman Rd	Arterial	8	Yes	55	99,902	100,000	72,000
5. Grant Line Rd – Mosher Rd to Bradshaw Rd	Arterial	8	Yes	55	63,032	63,300	72,000
6. Grant Line Rd – Bradshaw Rd to Elk Grove Blvd	Arterial	4	Yes	45	24,932	25,200	37,200
7. Grant Line Rd – Elk Grove Blvd to Bond Rd	Arterial	4	Yes	45	29,132	29,400	37,200
8. Grant Line Rd – Bond Rd to Wilton Rd	Arterial	4	Yes	45	37,332	37,600	37,200
9. Mosher Rd – Waterman Rd to Grant Line Rd	Arterial	2	Yes	55	7,586	7,600	19,600
10. Bradshaw Rd – Elk Grove Blvd to Grant Line Rd	Arterial	4	Yes	45	37,500	37,500	37,200
11. Bond Rd – Van Ruiten Ln to Grant Line Rd	Arterial	2	No	45	10,200	10,200	17,700
12. Wilton Rd – Grant Line Rd to Leisure Oak Ln	Arterial	2	No	55 ²	14,780	14,800	18,600

Notes:

CNP = Cumulative No Project; CPP = Cumulative Plus Project

Bold indicates roadway segment exceeds performance target.

Source: Fehr & Peers, 2020

Under Cumulative Conditions, five roadway segments exceed the performance target with and without the proposed project. The project is forecast to add traffic to four of the five roadway segments. On three of the four segments, the project would add fewer than 100 trips per day. The project would add approximately 270 trips to the Grant Line Road segment between Bond Road and Wilton Road. However, Grant Line Road west of Waterman, towards SR 99, would provide an alternative to Grant Line Road to the

east for many project trips. Although the segment of Grant Line Road between Waterman Road and SR 99 also exceeds the roadway design target, it has virtually no local access due to the railroad grade separation. Therefore, the effect of adding additional traffic to this segment would be negligible. Because these roadway segments exceed the performance target without the proposed Project, the project does not cause any new roadway segments to exceed the performance targets, alternative travel routes exist, and the proposed project is consistent with the General Plan, additional improvements beyond those contemplated in the General Plan are not recommended.

5.0 Vehicle Miles Traveled

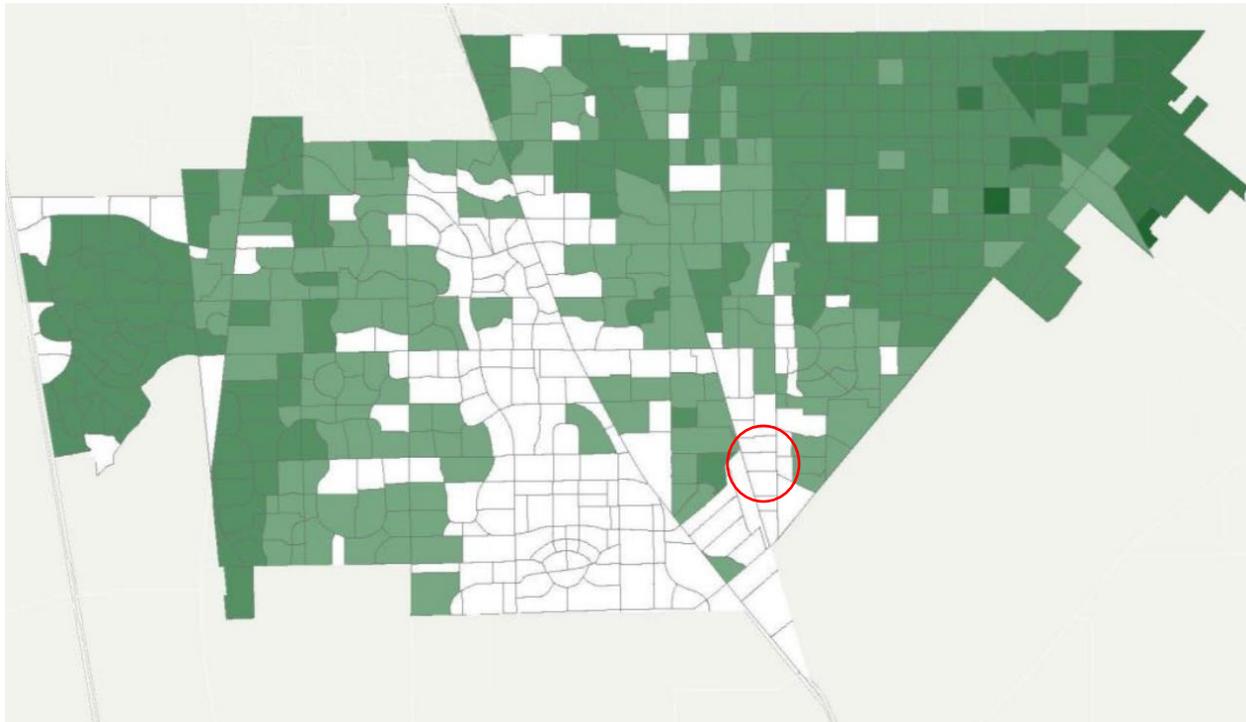
The City of Elk Grove Transportation Analysis Guidelines (December 2019) were reviewed to determine what level of Vehicle Miles Traveled (VMT) analysis is necessary for the proposed project. Specifically, the Land Use Project VMT Analysis Process (**Figure 4**) and VMT Screening Map (**Figure 5**) were reviewed.

Step 1 of the Land Use VMT Analysis Process indicates a project is exempt if it is:

- A residential project of <10 dwelling units;
- A commercial, office, or industrial project of <50,000 square feet;
- A mixed-use project containing <10 dwelling units and <50,000 square feet of commercial, office, or industrial space;
- A project that is high density low-income housing on a high-density housing site as designated in the Housing Element.

The proposed project includes approximately 16,200 square feet of building area dedicated for industrial uses and is therefore, exempt from VMT analysis according to Step 1 of the Land Use VMT Analysis Process.

Additionally, the proposed project is located within a pre-screened area (as outlined in red below) that has been determined to result in 15 percent or below the average service population VMT established for that land use designation if built to the specifications of the Land Use Plan.



The City of Elk Grove General Plan Land Use Diagram (Figure 3-4 of the General Plan) designates the project site as Heavy Industrial (HI). HI uses are generally characterized by heavy industrial activities, including manufacturing, processing, fabrication, utility equipment and service yards, assembly, wholesaling, warehousing, and distribution occurring inside or outside of an enclosed building. The proposed industrial project is consistent with the General Plan Land Use Designation.

Therefore, because the proposed industrial project is less than 50,000 square feet, is located within a pre-screened area, and is consistent with the General Plan, the project is exempt from VMT analysis per the Transportation Analysis Guidelines.

6.0 Site Access and Circulation

This chapter describes the site access and on-site circulation analysis for the proposed project.

Project Driveway Design Relative to City Standards

The following standards contained in the *City of Elk Grove Improvement Standards Manual* (June 22, 2020) are applicable to the proposed project driveway:

- For all 72-foot streets and wider, driveway throat depth shall be a minimum of 50' from the back of the sidewalk, clear of drive aisle or parking spaces. Longer throat depths may be required based upon traffic volumes generated and the traffic volume on the street the project is accessing. All driveways, except those providing access to single family residential uses, on two lane streets shall have a minimum throat depth of 25 feet.
- The standard driveway for industrial developments shall be Type A-6 or Type A-7, 45 feet wide, as shown on the Standard drawings ST-20 and ST-21A.
- Driveways on 72-foot, 96-foot, and 118-foot streets shall have a minimum clear spacing of 200 feet between driveways (See Standard drawing ST-22.).

Although Waterman Road is currently two-lanes, the General Plan designates Waterman Road as a four-lane facility. Therefore, the site plan was reviewed for consistency with requirements for driveways on a 72-foot or wider street. A detailed review of the site plan revealed the following:

- The project proposes a driveway throat depth of approximately 60 feet, which exceeds the 50' minimum requirement.
- The site plan indicates a driveway apron per City of Elk Grove Standard Drawing ST-20; however, the driveway dimension notes 40'. It is recommended that the proposed driveway width be revised to meet the minimum 45' requirement.
- There are no driveways directly adjacent to the project site within 200' of the proposed driveway. However, a driveway is located approximately 100' south of the proposed driveway on the east side of Waterman Road. The existing driveway serves a single-family home and is not anticipated to generate a significant amount of traffic. It should be noted that in the near term, heavy vehicles making a northbound left into the project driveway may block the existing driveway. However, under cumulative year conditions, Waterman Road will include two through lanes (northbound) and a 12' median/turn lane which will eliminate any potential blockage that may occur.

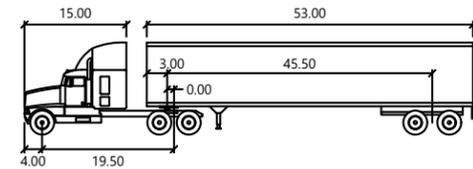
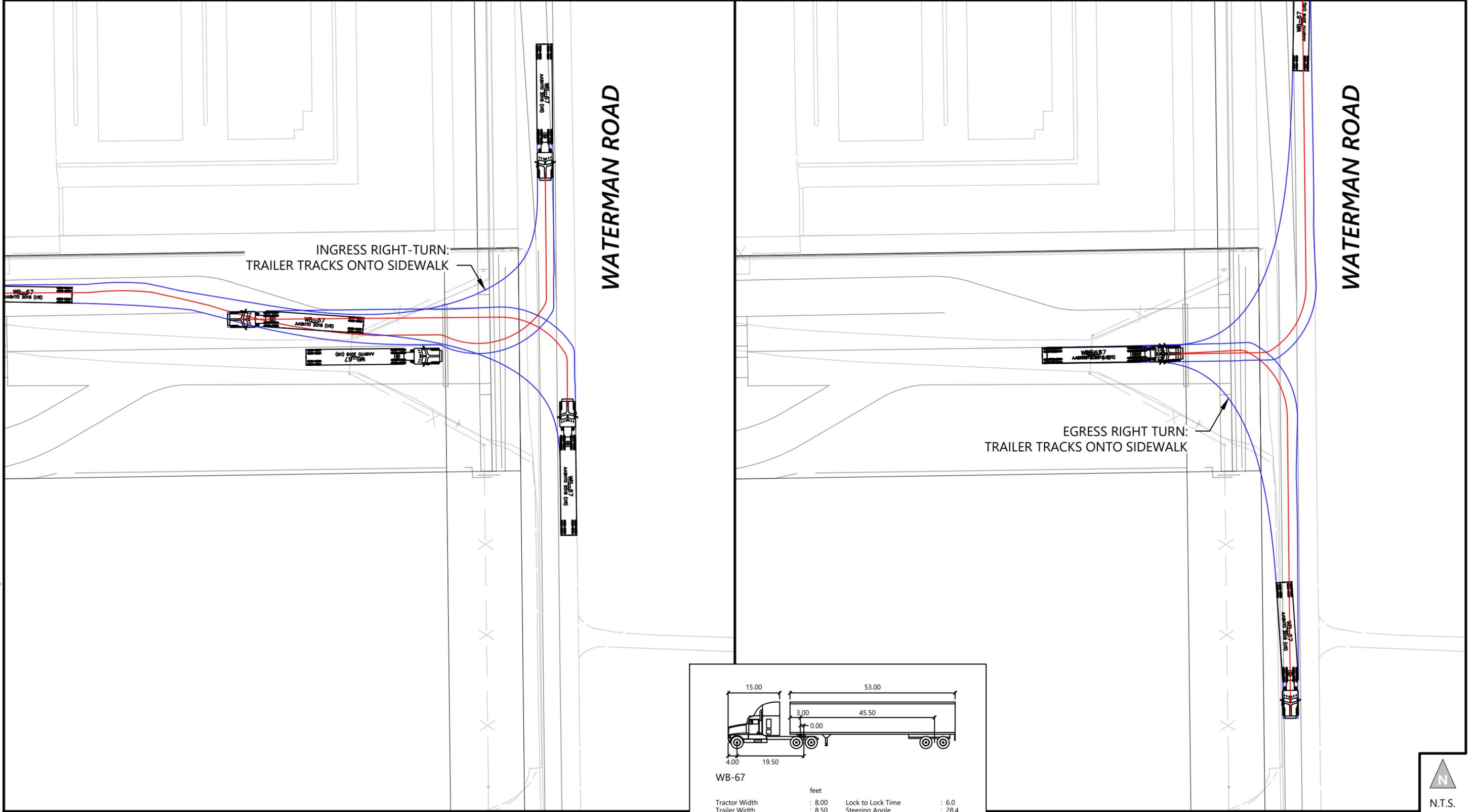
Maximum Queue

We completed a maximum vehicle queue analysis for the northbound left turn from Waterman Road into the project site. During the AM peak hour 18 vehicles are anticipated to make the northbound left turn; 3 vehicles are anticipated to make the northbound left turn during the PM peak hour.

Because heavy vehicles are longer than passenger vehicles and take up more storage space, a passenger car equivalent factor of 2.5 was used for the queuing analysis. The maximum vehicle queue for the northbound left turning movement was estimated based on *Estimation of Maximum Queue Lengths at Unsignalized Intersections* (ITE Journal, November 2001). Under cumulative year conditions, the estimated maximum northbound left queue is 75 feet during the AM peak hour and 25' during the PM peak hour. If a northbound left turn pocket is proposed, the turn pocket should have a storage length of at least 75' feet.

On-site Circulation

We completed a swept path analysis using the AutoTURN software to evaluate the adequacy of the proposed driveway width and on-site circulation to accommodate heavy vehicles. Given the industrial nature of the proposed project, a WB-67 truck was used. **Figure 13** shows the swept paths for the design vehicle entering and exiting the project site and maneuvering throughout the site. As shown, the existing driveway apron is too narrow for a WB-67 truck/trailer making a southbound right turn into the project site and an eastbound right turn out of the project site. The design vehicle would also experience difficulty navigating throughout the project site and as the internal paved road is too narrow around corners and the loop near the RMC shop and office and turnaround near the employee facilities.



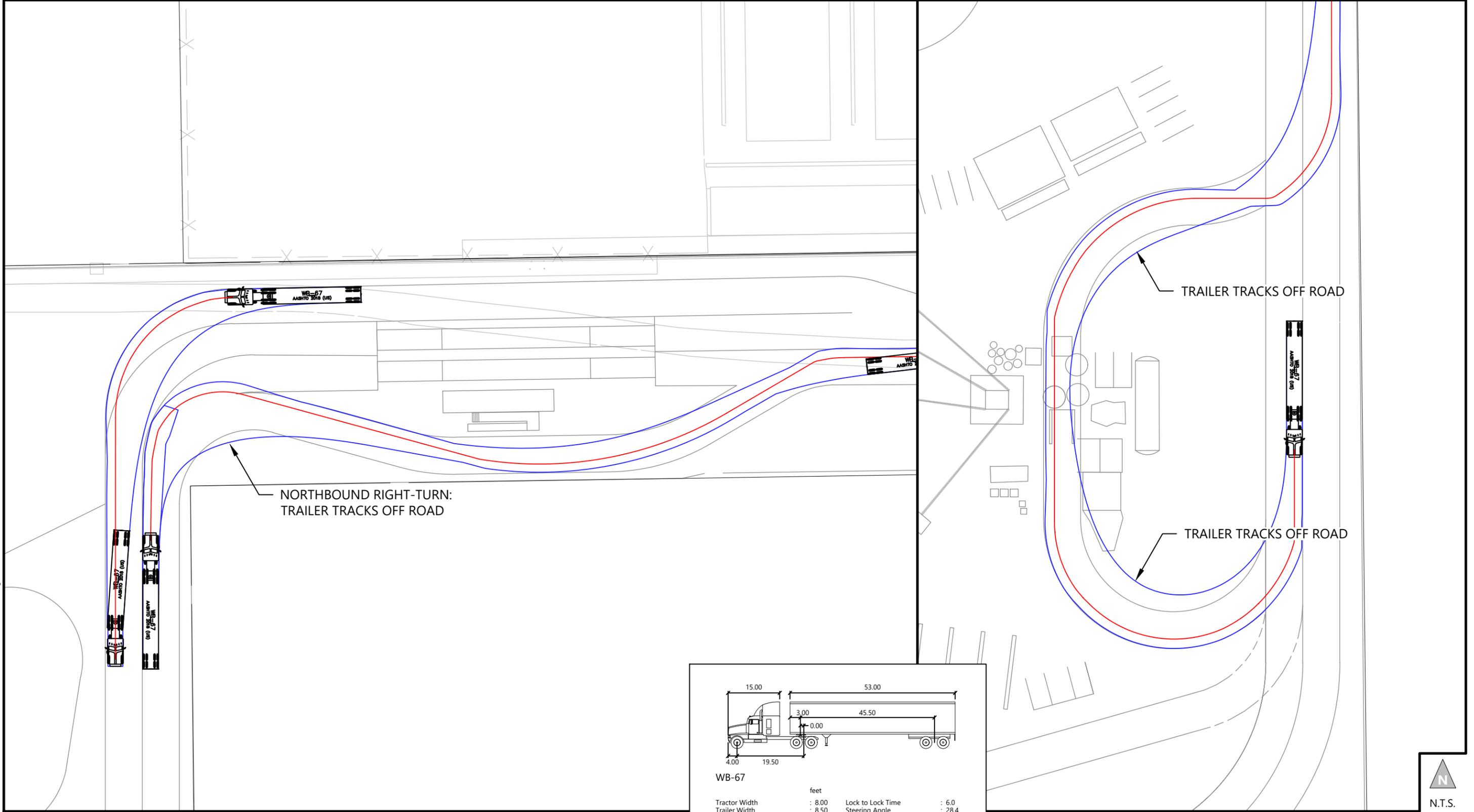
WB-67

feet			
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		

WB-67 TURNING ENVELOPES (1 OF 3)

Figure 13

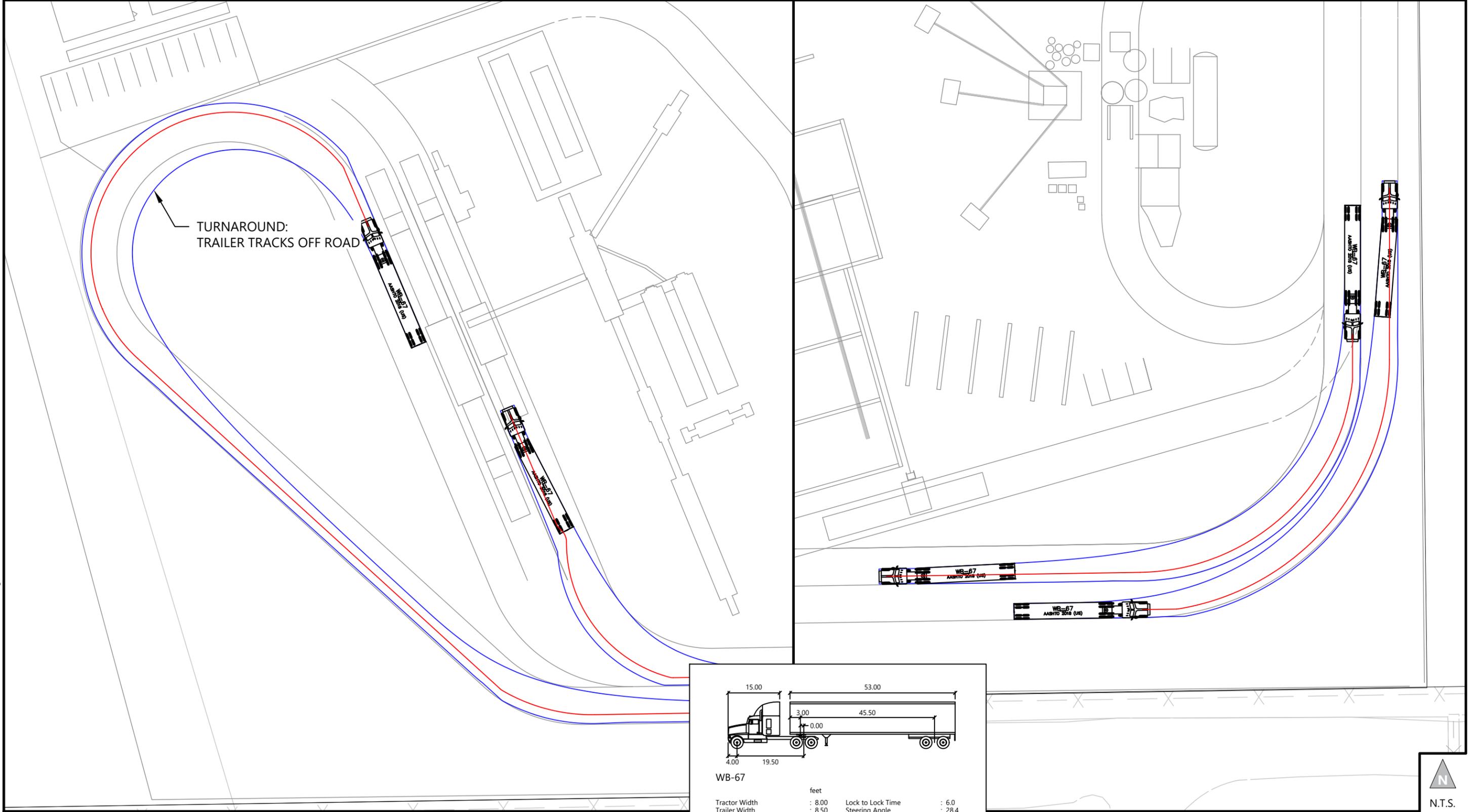




WB-67 TURNING ENVELOPES (2 OF 3)
EXHIBIT B



CONCEPTUAL - NOT FOR CONSTRUCTION. ADDITIONAL
 DETAILED ANALYSIS AND ENGINEERING DESIGN REQUIRED.



CONCEPTUAL - NOT FOR CONSTRUCTION. ADDITIONAL DETAILED ANALYSIS AND ENGINEERING DESIGN REQUIRED.

WB-67 TURNING ENVELOPES (3 OF 3)
EXHIBIT C