

Executive Summary

City of Lathrop. 2002. West Lathrop Specific Plan. October. Available: http://www.ci.lathrop.ca.us/sites/default/files/fileattachments/planning_division/page/5771/west_lathrop_specific_plan_2003.pdf. Accessed: March 2019.

Tri-Valley – San Joaquin Valley Regional Rail Authority. 2019. *Draft Project Feasibility Report*. Livermore, CA. June. Available: <https://tracycitycenter.com/wp-content/uploads/2019.06.07-Valley-Link-Feasibility-Report.pdf>. Accessed: August 2020.

Chapter 1, Introduction

None

Chapter 2, Project Description

Alstom. 2020. Alstom signs first contract for battery-electric regional trains in Germany. February 5. Available: <https://www.alstom.com/press-releases-news/2020/2/alstom-signs-first-contract-battery-electric-regional-trains-germany>. Last accessed August 26, 2020

Bombardier 2019. Realize your vision with bombardier TALENT3 BEMU. Presentation at APTA 2019 Rail Conference. June 24. Available: <https://www.apta.com/wp-content/uploads/Realize-your-vision-with-Bombardier-TALENT-3-BEMU-Yves-Lappierre.pdf>. Last accessed August 26, 2020.

Railway Gazette 2020. Battery Answer to Schleswig-Holstein’s diesel replacement question. July 2. Available: <https://www.railwaygazette.com/news/traction-rolling-stock/single-view/view/battery-answer-to-schleswig-holsteins-diesel-replacement-question.html>. Last accessed August 26, 2020.

Chapter 3, Environmental Impact Analysis

None

Section 3.1, Aesthetics

Printed References

American Medical Association. 2016. *Human and Environmental Effects of Light Emitting Diode (LED) Community Lighting (CSAPH Report 2-A-16)*. Presented by: Louis J. Kraus, MD, Chair. Available:

- http://darksky.org/wp-content/uploads/bsk-pdf-manager/AMA_Report_2016_60.pdf. Accessed: May 4, 2018.
- The Anza Trail Foundation. 2019. *EXPLORE – Follow the Anza Expedition*. Available: <http://www.anzahistorictrail.org/visit/explorer>. Accessed: March 7, 2019.
- Aubé, M., J. Roby, M. Kocifaj. 2013. Evaluating Potential Spectral Impacts of Various Artificial Lights on Melatonin Suppression, Photosynthesis, and Star Visibility. July 5. *PLOS (Public Library of Science) ONE*. 8(7). Available: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0067798>. Accessed: May 4, 2018.
- Bureau of Land Management. 2019a. *California Administered Lands*. Available: <https://www.blm.gov/services/geospatial>. Accessed: March 7, 2019.
- . 2019b. *Bureau of Land Management: Mother Lode Field Office Map*. Available: https://www.blm.gov/sites/blm.gov/files/documents/files/Maps_California_Mother-Lode-FO-Boundary-Map_508.pdf Accessed: March 7, 2019.
- . 2008. *Visual Resource Management Program (Course 8400-05)*.
- California Department of Transportation. 2008. *Scenic Highway Guidelines*. October. Landscape Architecture Program, Division of Design. Sacramento, CA.
- . 2019a. *List of Eligible and Officially Designated State Scenic Highways*. Available: <https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>. Last updated: July 2019. Accessed: June 24, 2020.
- . 2019b. *Caltrans Postmile Services*. Available: <https://postmile.dot.ca.gov/PMQT/PostmileQueryTool.html?>. Accessed: March 14, 2019.
- . 2020. *Classified Landscaped Freeways*. Available: <https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-b-classified-landscaped-freeways>. Last Updated: August 3, 2020. Accessed: August 24, 2020.
- California State Parks. 2019. *CA State Park Boundaries & Entry Points*. Available: <https://csparks.maps.arcgis.com/apps/View/index.html?appid=964f042b0f7345919cf471b2223c767c>. Accessed: March 7, 2019.
- City of Livermore. 2004. *City of Livermore General Plan 2003-2025*. February. Available: <http://www.cityoflivermore.net/citygov/cdd/planning/general.htm>. Accessed: April 22, 2019.
- CoyBilt. 2019a. *CoyBilt – About Us*. Available: <http://www.coybilt.com/aboutus.html>. Accessed: June 17, 2019.
- . 2019b. *CoyBilt – Contact Us*. Available: <http://www.coybilt.com/contactus.html>. Accessed: June 17, 2019.
- Falchi, F., P. Cinzano, D. Duriscoe, C. C. M. Kyba, C. D. Elvidge, K. Baugh, B. A. Portnov, N. A. Rybnikova, and R. Furgoni. 2016. The New World Atlas of Artificial Night Sky Brightness. June 10. *Science Advances*. 2(6). Available: <http://advances.sciencemag.org/content/2/6/e1600377>. Accessed: May 4, 2018.

- Falchi, F., P. Cinzano, C. D. Elvidge, D. M. Keith, A. Haim. 2011. Limiting the Impact of Light Pollution on Human Health, Environment and Stellar Visibility. *Journal of Environmental Management* (2011), doi:10.1016/j.jenvman.2011.06.029. Available: <https://www.yumpu.com/en/document/view/6983159/limiting-the-impact-of-light-pollution-on-human-health-environment->. Accessed: May 4, 2018.
- Federal Highway Administration. 2019. *America's Byways: California*. Available: <http://www.fhwa.dot.gov/byways/states/CA/maps>. Accessed: March 7, 2019.
- . 2015. *Guidelines for the Visual Impact Assessment of Highway Projects*. (FHWA-HEP-15-029.) USDOT (US Department of Transportation). Washington, DC. January 2015.
- International Dark-Sky Association. 2010a. Seeing Blue. April 2010. *Nightscape 80*: 8-12. Available: [http://darksky.org/wp-content/uploads/bsk-pdf-manager/29_SEEINGBLUE\(1\).PDF](http://darksky.org/wp-content/uploads/bsk-pdf-manager/29_SEEINGBLUE(1).PDF). Accessed: May 4, 2018.
- . 2010b. *Visibility, Environmental, and Astronomical Issues Associated with Blue-Rich White Outdoor Lighting*. May 4, 2010. Available: http://www.darksky.org/wp-content/uploads/bsk-pdf-manager/8_IDA-BLUE-RICH-LIGHT-WHITE-PAPER.PDF. Accessed: May 4, 2018.
- . 2015. IDA Issues New Standards on Blue Light at Night. April 2015. *Nightscape, The 2014 Annual Report*. 94: 10. Available: <http://darksky.org/wp-content/uploads/2015/06/NS94.pdf>. Accessed: May 4, 2018.
- National Park Service. 2019. *National Park Service: California Parks*. Available: <http://www.nps.gov/state/ca/index.htm>. Accessed: March 7, 2019.
- . 2018. *Things To Do - Juan Bautista de Anza National Historic Trail*. Available: <https://www.nps.gov/juba/planyourvisit/things2do.htm>. Last updated: February 27, 2018. Accessed: March 7, 2019.
- . 1996. *Juan Bautista de Anza Expedition Comprehensive Management and Use Plan*. Oakland, CA. Approved: April 1996.
- River Islands. 2015. *River Islands at Lathrop – Illustrative Master Plan*. November. Lathrop, CA. Available: <http://riverislands.com/the-master-plan/>. Accessed: June 13, 2019.
- U.S. Fish and Wildlife Service. 2019. *National Wild and Scenic Rivers System: California*. Available: <https://www.rivers.gov/california.php>. Accessed: March 7, 2019.

Personal Communications

- Justine, Lara. Senior Landscape Architect. Caltrans Landscape Architecture Program, Sacramento, CA. September 29, 2016 —Email.

Section 3.2, Agricultural Resources

- American Farmland Trust. 2013. Saving Farmland, Growing Cities: A Framework for Implementing Effective Farmland Conservation Policies in the San Joaquin Valley. Available: <http://www.farmlandinfo.org/sites/default/files/FINALSJVREPORTPDF1-14-13.pdf>. Accessed: April 22, 2019.

- American Farmland Trust, Greenbelt Alliance, and Sustainable Agriculture Education. 2011. Sustaining Our Agricultural Bounty: An Assessment of the Current State of Farming and Ranching in the San Francisco Bay Area. Available: http://www.greenbelt.org/wp-content/uploads/2012/01/report_Sustaining_Our_Agricultural_Bounty.pdf. Accessed: April 22, 2019.
- Broucek, J. 2014. Effect of noise on performance, stress, and behavior of animals. *Slovak J. Anim. Scie* 47(2):111-123. Available: http://www.cvzv.sk/slju/14_2/8_Broucek.pdf. Accessed: April 19, 2019.
- California Conservation Easement Database (CCED). 2019. California's Protected Areas. Available: <http://www.calands.org/cced/>. Accessed: June 28, 2019.
- California Department of Conservation. 1996a. Alameda County 1994-1996 Land Use Conversion. Available: https://www.conservation.ca.gov/dlrp/fmmp/Documents/fmmp/pubs/1994-1996/conversion_tables/alacon96.xls. Accessed: February 1, 2019.
- . 1996b. San Joaquin County 1994-1996 Land Use Conversion. Available: https://www.conservation.ca.gov/dlrp/fmmp/Documents/fmmp/pubs/1994-1996/conversion_tables/sjqcon96.xls. Accessed: February 1, 2019.
- . 2006a. Alameda County 2004-2006 Land Use Conversion. Available: https://www.conservation.ca.gov/dlrp/fmmp/Documents/fmmp/pubs/2004-2006/conversion_tables/alacon06.xls. Accessed: February 1, 2019.
- . 2006b. San Joaquin County 2004-2006 Land Use Conversion. Available: https://www.conservation.ca.gov/dlrp/fmmp/Documents/fmmp/pubs/2004-2006/conversion_tables/sjqcon06.xls. Accessed: February 1, 2019.
- . 2016a. FMMP GIS data. Available: <ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/2016/>.
- . 2016b. Alameda County 2014-2016 Land Use Conversion. Available: https://www.conservation.ca.gov/dlrp/fmmp/Documents/fmmp/pubs/2014-2016/conversion_tables/alacon16.xls. Accessed: February 1, 2019.
- . 2016c. San Joaquin County 2014-2016 Land Use Conversion. Available: https://www.conservation.ca.gov/dlrp/fmmp/Documents/fmmp/pubs/2014-2016/conversion_tables/sjqcon16.xls. Accessed: February 1, 2019.
- . 2018. California Important Farmland Finder. Available: <https://maps.conservation.ca.gov/DLRP/CIFF/>. Accessed: April 11, 2019.
- City of Dublin. 2017. *City of Dublin General Plan*. Amended November 21, 2017. Available: <http://www.dublin.ca.gov/DocumentCenter/View/17928/0-General-Plan-Update-2018-021318-web?bidId=>. Accessed: April 22, 2019.
- California High Speed Rail Authority. 2018. Noise and Vibration Mitigation Guidance. March. Available: https://hsr.ca.gov/docs/programs/san_jose_merced/Draft_EIRS_JM_V2-21_APP_3.4-B_Noise_Vibration_Mitigation_Guidelines.pdf Last accessed August 26, 2020.
- City of Lathrop. 1991. Comprehensive General Plan for the City of Lathrop, California. Amended June 24, 1992; May 20, 1997; January 28, 2003; November 9, 2004. Available: https://www.ci.lathrop.ca.us/sites/default/files/fileattachments/planning_division/page/5251

- [/general_plan_11-9-04_-_entire_doc.pdf](#). Accessed: August 18, 2020. City of Livermore. 2004. *City of Livermore General Plan 2003-2025*. February. Available: <http://www.cityoflivermore.net/citygov/cdd/planning/general.htm>. Accessed: April 22, 2019.
- City of Pleasanton. 2015. *Pleasanton General Plan 2005-2025*. January 6. Available: <https://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=23895>. Accessed: April 22, 2019.
- City of Tracy. 2011. *City of Tracy General Plan*. Available: https://www.ci.tracy.ca.us/documents/2011_General_Plan.pdf. Accessed: April 22, 2019.
- County of Alameda. 1994a. *Alameda County General Plan, Open Space Element*. Amended May 5, 1994.
- . 1994b. East County Area Plan. Adopted May 5, 1994. Available: <https://www.acgov.org/cda/planning/generalplans/documents/EastCountyAreaPlancombined.pdf>. Accessed: April 22, 2019.
- . 2011. Uniform Rule 1: Eligibility Requirements for Agricultural Preserves and Williamson Act Contracts for Agriculture. Available: https://www.acgov.org/cda/planning/landuseprojects/documents/Uniform_Rule_1_Agriculture_10-11-11.pdf. Accessed: July 12, 2019.
- . 2016. Williamson Act GIS data. Alameda County Assessor.
- County of Alameda Department of Agriculture Weights & Measures. 2018. 2017 Crop Report. Alameda County Community Development Agency. Available: <https://www.acgov.org/cda/awm/resources/2017cropreport.pdf>. Accessed: April 11, 2019.
- County of San Joaquin. n.d. Municipal code, Chapter 9-1810, Application and Approval of Contract. Available: http://www.sjgov.org/commdev/cgi-bin/cdyn.exe/handouts-planning/ca_sjc_dev_T09-D18.pdf. Accessed: July 12, 2019.
- . 2014. Williamson Act GIS data. San Joaquin County Assessor.
- . 2015. Report on Compatible Uses for Parcels Under Williamson Act Contract or Farmland Security Zone Contract (All Districts). October 6. Community Development Department.
- . 2016. *San Joaquin County General Plan, Community Development Element*. December. Available: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/General%20Plan%202035/GENERAL%20PLAN%202035.pdf>. Accessed: April 22, 2019.
- County of San Joaquin Office of the Agricultural Commissioner/Sealer of Weights and Measures. 2018. 2017 Agricultural Report. Available: <https://www.sjgov.org/WorkArea/DownloadAsset.aspx?id=28737>. Accessed: April 11, 2019.
- . 2017. Pesticide Use Enforcement. Available: https://www.sjgov.org/departament/agcomm/pesticide_use_enforcement. Accessed: April 22, 2019.

- Federal Highway Administration. 2006. Roadway Construction Noise Model—RCNM. Available: https://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/. Accessed: August 13, 2020.
- Federal Transit Administration. 2018. *Transit Noise and Vibration Impact Assessment*. FTA Report FTA Report No. 0123. September 2018.
- GoogleEarth. 2019a. Project Area. 37°45'30.78"N 121°28'00.74"W elev 0 feet, eye alt 35.36 miles.
- . 2019b. Project Area. 37°42'32.15"N 121°29'01.52"W elev 0 feet, eye alt 4 miles.
- . 2019c. Project Area. 37°46'55.85"N 121°24'36.66"W elev 0 feet, eye alt 16.54 miles.
- National Conservation Easement Database (NCED). 2019. California's Protected Areas. Available: <https://www.conservationeasement.us/adv-search/>. Accessed: June 28, 2019.
- San Joaquin County Assessor. 2016. Williamson Act and Farmland Security Zone GIS data.
- U.S. Department of Agriculture. 2012a. *2012 Census of Agriculture: California State and County Data*. Volume 1. Geographic Area Series. Part 5. Available: https://www.agcensus.usda.gov/Publications/2012/Full_Report/Volume_1,_Chapter_1_State_Level/California/cav1.pdf. Accessed: March 2018.
- . 2012b. *2012 Census of Agriculture 2012 Full Report*. Volume 1, Chapter 2: County Level Data. Available: https://www.agcensus.usda.gov/Publications/2012/Full_Report/Volume_1,_Chapter_2_County_Level/California/. Accessed: January 2016.

Section 3.3, Air Quality

- Bay Area Air Quality Management District. 2012. Recommended Methods for Screening and Modeling Local Risks and Hazards. Version 3.0. May 2012. www.baaqmd.gov/~media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en (accessed March 2017).
- . 2017. California Environmental Quality Act Air Quality Guidelines. Last Revised: May. Available: http://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en. Accessed: June 27, 2019.
- Bombardier. 2018. BOMBARDIER TALENT3 Battery Train. Presentation at InnoTrans Convention Conference. September 19. Available: https://bahnindustrie.info/fileadmin/Sonstiges/180919_VDB_InnoTrans_Convention_presentation.pdf. Accessed: November 17, 2020.
- California Air Pollution Control Officers Association. 2009. *Health Risk Assessments for Proposed Land Use Projects*. July. Available: http://www.capcoa.org/wp-content/uploads/downloads/2010/05/CAPCOA_HRA_LU_Guidelines_8-6-09.pdf. Accessed: June 27, 2019.
- California Air Resources Board. 2000. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*. October. Available: <https://ww3.arb.ca.gov/diesel/documents/rrpfinal.pdf>. Accessed: June 27, 2019.

- _____. 2004. Roseville Railyard Study. October. Available:
<https://www.placer.ca.gov/DocumentCenter/View/2308/Roseville-Rail-Yard-Study-PDF> August 20, 2020.
- _____. 2005. *Air Quality and Land Use Handbook*. April. Available:
<https://ww3.arb.ca.gov/ch/handbook.pdf>. Accessed: June 27, 2019.
- _____. 2016. Ambient Air Quality Standards. Last Revised: May 4, 2016. Available:
www.arb.ca.gov/research/aaqs/aaqs2.pdf. Accessed: June 27, 2019.
- _____. 2018a. iADAM: Air Quality Data Statistics. Available:
<http://www.arb.ca.gov/adam/topfour/topfour1.php>. Accessed: June 27, 2019.
- _____. 2018b. Area Designations Maps / State and National. Last Revised: December 28, 2018. Available: www.arb.ca.gov/desig/adm/adm.htm. Accessed: June 27, 2019.
- _____. 2019. What is Carbon Monoxide? Available: <https://ww2.arb.ca.gov/resources/carbon-monoxide-and-health>. Accessed: June 27, 2019.
- California Department of Transportation. 2018. *2018 California State Rail Plan*. September. Available: http://www.dot.ca.gov/californiarail/docs/CSRP_Final_rev121818.pdf. Accessed: June 27, 2019.
- _____. 2020. Traffic Census Program. Available: <https://dot.ca.gov/programs/traffic-operations/census>. Accessed: November 17, 2020.
- California Environmental Protection Agency. 2015. Staff Report: Multimedia Evaluation of Renewable Diesel. Prepared by the Multimedia Working Group. May. Available:
<https://calepa.ca.gov/wp-content/uploads/sites/6/2016/10/CEPC-2015yr-RenDieselRpt.pdf>
Accessed July 15, 2020.
- City of Lathrop. 1991. *Comprehensive General Plan for the City of Lathrop, California*. December. Available: http://www.ci.lathrop.ca.us/lathrop//cdd/projects/Pdf/generalplan_files/11-05-2017_16-31-04-881.pdf. Accessed: June 27, 2019.
- City of Livermore. 2004. *City of Livermore General Plan 2003–2025*. February. Available:
<http://www.cityoflivermore.net/citygov/cdd/planning/general.htm>. Accessed: June 27, 2019.
- City of Dublin. 2017. *City of Dublin General Plan*. Amended November 21, 2017. Available:
<http://www.dublin.ca.gov/DocumentCenter/View/17928/0-General-Plan-Update-2018-021318-web?bidId=>. Accessed: April 22, 2019.
- City of Pleasanton. 2009. *Pleasanton General Plan 2005–2025*. July. Available:
<http://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=23895>. Accessed: June 27, 2019.
- County of Alameda. 1994. Alameda County General Plan. May. Available:
<http://acgov.org/cda/planning/generalplans/index.htm>. Accessed: June 27, 2019.
- County of San Joaquin. 2016. *San Joaquin County General Plan 2035*. December. Available:
<https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/General%20Plan%202035/GENERAL%20PLAN%202035.pdf>
Accessed: June 27, 2019.

- Environ. 2006. Air Dispersion Modeling Assessment of Air toxic emissions from BNSF Richmond Rail Yard. Submitted to the California Air Resources Board. Prepared for BNSF Railway Company. November. Available:
https://ww2.arb.ca.gov/sites/default/files/classic//railyard/hra/env_richmond_admrpt.pdf. Accessed August 20, 2020.
- Metropolitan Transportation Commission. 2017. Plan Bay Area 2040. July. Available:
<https://www.planbayarea.org/plan-bay-area-2040>. Accessed: November 17, 2020.
- Office of Environmental Health Hazard. 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines*. February. Available:
<https://oehha.ca.gov/media/downloads/crnrr/2015guidancemanual.pdf>. Accessed: June 27, 2019.
- Reşitoğlu, Ibrahim. 2018. NO_x Pollutants from Diesel Vehicles and Trends in the Control Technologies. Available: <https://www.intechopen.com/online-first/nox-pollutants-fromdiesel-vehicles-and-trends-in-the-control-technologies>. Accessed: June 27, 2019.
- Sacramento Metropolitan Air Quality Management District. 2013. PM_{2.5} Implementation/Maintenance Plan and Redesignation Request for Sacramento PM_{2.5} Nonattainment Area. October.
- San Joaquin Valley Air Pollution Control District. 2004. *2004 Extreme Ozone Attainment Demonstration Plan for 1-hour Ozone*. October. Available:
http://www.valleyair.org/Air_Quality_Plans/AQ_plans_Ozone_Final.htm. Accessed: June 27, 2019.
- . 2008. *Clarifications Regarding the 2004 Extreme Ozone Attainment Demonstration Plan for 1-hour Ozone*. August. Available:
https://www.valleyair.org/Air_Quality_Plans/docs/AQ_Ozone_2004_Adopted/ADOPTEDClarifications2004EOADP.pdf. Accessed: June 27, 2019.
- . 2015. Guidance for Assessing and Mitigating Air Quality Impacts. Adopted March 19, 2015. Available: http://www.valleyair.org/transportation/GAMAQI_3-19-15.pdf. Accessed: June 27, 2019.
- 2015b. *2015 Plan for the 1997 PM_{2.5} Standard*. April. Available:
http://www.valleyair.org/Air_Quality_Plans/docs/PM25-2015/2015-PM2.5-Plan_Bookmarked.pdf. Accessed: June 27, 2019.
- 2015c. *Applicable of the Leave to File Amicus Curiae Brief of San Joaquin Valley Unified Air Pollution Control District in Support of Defendant and Respondent, County of Fresno and Real Party in Interest and Respondent, Friant Ranch, L.P.* Filed April.
- South Coast Air Quality Management District, 2015. *Applicable of the South Coast Air Quality Management District for Leave to File Brief of Amicus Curiae in Support of Neither Party*. Filed April.
- Trinity Consultants. 2016. *Appendix A Calculation Details for CalEEMod*. October.

- U.S. Environmental Protection Agency. 1998. *Compilation of Air Pollutant Emission Factors*. Section 11.9 Western Surface Coal Mining. Available: <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors>. Accessed: June 27, 2019.
- . 2006. *Compilation of Air Pollutant Emission Factors*. Section 13.2.2, Unpaved Roads. Available: <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors>. Accessed: June 27, 2019.
- . 2009. Emission Factors for Locomotives. EPA 420-F-09-025. April.
- . 2011. *Compilation of Air Pollutant Emission Factors*. Section 13.2.1, Paved Roads. Available: <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors>. Accessed: June 27, 2019.
- . 2018a. AirData Monitor Values Report. Available: https://www3.epa.gov/airdata/ad_rep_mon.html. Accessed: June 27, 2019.
- . 2018b. *Technical Support Document Estimating the Benefit per Ton of Reducing PM_{2.5} Precursors from 17 Sectors*. www.epa.gov/sites/production/files/2018-02/documents/sourceapportionmentbpttsd_2018.pdf (accessed April 12, 2019).
- . 2019a. Nonattainment Areas for Criteria Pollutants. Last Revised: May 31, 2019. Available: www.epa.gov/green-book. Accessed: June 27, 2019.
- . 2019b. Health Effects of Ozone Pollution. Available: <https://www.epa.gov/ground-level-ozone-pollution/health-effects-ozone-pollution>. Accessed: June 27, 2019.
- . 2019c. Health Effects of In the General Population. Available: <https://www.epa.gov/ozone-pollution-and-your-patients-health/health-effects-ozonegeneral-population>. Accessed: June 27, 2019.
- . 2019d. Health and Environmental Effects of Particulate Matter (PM). Available: <https://www.epa.gov/pm-pollution/health-and-environmentaleffects-particulate-matter-pm>. Accessed: June 27, 2019.
- United States Geological Survey. 2000. Operational Guidelines (version 1.0) for Geological Fieldwork in Areas Endemic for Coccidioidomycosis (Valley Fever). Available: <https://pubs.usgs.gov/of/2000/0348/pdf/of00-348.pdf>. Accessed: June 27, 2019.
- Winkel, Jaclyn. 2018. Senior Planner. Bay Area Air Quality Management District, San Francisco, CA. Email communication to ICF regarding health risk analyses in BAAQMD. April 12, 2018.

Personal Communications

- Lighthall, David. San Joaquin Valley Air Pollution Control District. Fresno, CA—September 11, 2014—Email communication with ICF.
- Lo, Raymond. (A) Associate Transportation Planner. AECOM, Oakland, CA. June 10, 2019—Email communication with ICF.
- Siong, Patia. Supervising Air Quality Specialist. San Joaquin Valley Air Pollution Control District, Fresno, CA. May 23, 2011—Email communication with ICF.

Section 3.4, Biological Resources

- Alameda County Community Development Agency. 2019. *Alameda County Resource Conservation District Transportation Wildlife Corridors Initiative in Alameda County*. Memorandum. January 6 pp. Available: <http://www.acgov.org/board/bos_calendar/documents/DocsAgendaReg_1_7_19/2GENERAL%20ADMINISTRATION/Regular%20Calendar/RCD_wildlife_corridors_TP_1_7_19.pdf>. Accessed: July 2019.
- Alameda County Resource Conservation District and UC Davis Road Ecology Center. 2019. *Transportation Wildlife Corridor Initiative*. Power Point Presentation. January.
- Avian Power Line Interaction Committee. 2006. *Suggested practices for avian protection on power lines: the state of the art in 2006*. Edison Elec. Inst., APLIC, and CA Energy Comm., p 1- 207
- Bank Swallow Technical Advisory Committee. 2013. *A bank swallow (Riparia riparia) Conservation Strategy for the Sacramento River Watershed, California*. June 2013.
- Benson, J.F., J.A. Sikich, S.P.D. Riley. 2020. Survival and competing mortality risks of mountain lions in a major metropolitan area. *Biological Conservation*. 241: 108294. Available: <<https://doi.org/10.1016/j.biocon.2019.108294>>.
- Bulger, J.B., Scott, N.J., and R.B. Seymour. 2003. *Terrestrial Activity and Conservation of Adult California Red-legged Frogs Rana aurora drayonii in Coastal Forests and Grasslands*. *Biological Conservaton* 110 (2003) 85-95. Available: <http://www.sccp.ca/sites/default/files/species-habitat/documents/terrest%20activity%20%26%20conservation%20of%20crlf%20in%20coastal%20forests%26%20grasslands_Bulger%20et%20al.%202003.pdf>. Accessed: July 2019.
- California Department of Fish and Game. 2012. *California Department of Fish and Wildlife Staff Report on Burrowing Owl Mitigation*. March. 36 pp. Available at: <<https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83843&inline>>. Accessed: May 2019.
- . 1994. *Staff Report Regarding Mitigation for Impacts to Swainson's Hawks in the Central Valley of California*. November. 14 pp. <<https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83992&inline>>. Accessed: March 2019.
- California Department of Fish and Wildlife. 2020. Evaluation of a Petition to List the Southern California/Central Coast Evolutionary Significant Unit (ESU) of Mountain Lion as Threatened under the California Endangered Species Act. January 31, 2020. Available: <https://mountainlion.org/Us/ca/LAW/CESA/CFGC-StaffSummary02212020-Item7.pdf>
- . 2019a. CDFW BIOS viewer - Delta smelt critical habitat. Available: <<https://www.wildlife.ca.gov/Data/BIOS>>. Accessed: July 2019.
- . 2019b. *California Natural Community List*. State of California. <<https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=153398&inline>>. Accessed: September 2020. May. 10 pp.
- . 2019c. *California Natural Diversity Database*. Query of Altamont, Byron Hot Springs, Clifton Court Forebay, Dublin, Lathrop, Livermore, Manteca, Midway, Stockton East, Stockton West, Tracy, Union Island, and Vernalis quadrangles. Available: <<https://www.wildlife.ca.gov/Data/CNDDDB/Maps-and-Data>>. Accessed: January 23, 2019.

- . 2018a. *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities*. State of California. California Natural Resources Agency, Department of Fish and Wildlife. March. 12 pp. Available at: <<https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=102342&inline>>. Accessed: April 2019.
- . 2018b. *Considerations for Conserving the Foothill Yellow-legged Frog*. State of California. California Natural Resources Agency, Department of Fish and Wildlife. May. 47 pp. Available: <<https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=157562&inline>>. Accessed: May 2019.
- . 2015. *California Department of Fish and Wildlife (Department) Staff Guidance Regarding Avoidance of Impacts to Tricolored Blackbird Colonies on Agricultural Fields in 2015*. March 19, 2015.
- California Department of Pesticides Regulation. 2008. *News for Immediate Release*. December. Available: <https://cals.arizona.edu/crop/pesticides/docs/CDPR_newsrelease_12-17-08.pdf>. Accessed: July 2019.
- California Invasive Plant Council. 2019. *California Invasive Plant Council Inventory*. Available: <<https://www.cal-ipc.org/plants/inventory/>>. Accessed: September 2020.
- California Native Plant Society, Rare Plant Program. 2019. *Inventory of Rare and Endangered Plants of California* (online edition, v8-03 0.45). Available: <<http://www.rareplants.cnps.org/advanced.html>>. Accessed: January 23, 2019.
- Caltrans. 2015. *Caltrans Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish*. November. Available at: <http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=2ahUKEwih3dfp7KjjAhVqxlQKHUFwBFwQFjABegQIAxAB&url=http%3A%2F%2Fwww.dot.ca.gov%2Fhq%2Fenv%2Fbio%2Ffiles%2Ftech_guidance_hydroacoustic_effects_06_15.pdf&usg=AOvVaw0IUa8OVzdTiP4e_t2OBSam>. Accessed: July 2019.
- Center for Biological Diversity and Mountain Lion Foundation. 2019. A Petition to list the Southern California Central Coast Evolutionary Significant Unit (ESU) of Mountain Lions as Threatened under the California Endangered Species Act (CESA). June 25, 2019.
- City of Dublin. 1999. *Heritage Tree Ordinance*. Available: <<http://www.ci.dublin.ca.us/367/Trees>>. Accessed: June 2019.
- City of Lathrop. 2016. *Municipal Code: Chapter 12.16 – Trees*. Available: <<http://qcode.us/codes/lathrop/>>. Accessed: September 2020
- City of Livermore. 2016. *Municipal Code: Chapter 12.20 - Street Trees and Tree Preservation Ordinance*. Available: <<http://www.codepublishing.com/CA/Livermore/Municipal/Livermore12/Livermore1220.html>>. Accessed: September 2020.
- City of Pleasanton. 2015. *Municipal Code: Chapter 17.16 – Tree Preservation*. Available: <<http://qcode.us/codes/pleasanton/>>. Accessed: September 2020.
- City of Tracy Code of Ordinances. 2016. *Municipal Code: Chapter 7.08 – Trees and Shrubbery*. Available:

- <https://www.municode.com/library/ca/tracy/codes/code_of_ordinances?nodeId=TIT7PUWO>. Accessed: September 2020.
- Contra Costa Water District. 2015. *Los Vaqueros Reservoir Expansion Project Conservation Lands. Final Habitat Management Plan*. April.
<<https://www.ccwater.com/DocumentCenter/View/4381/Final-Habitat-Management-Plan---April-2015-PDF>>. Accessed September 2020. 190 pp. 190 pp.
- County of San Joaquin. 1995. *Municipal Code: Chapter 9, Division 15: Natural Resources Regulations, Section 1505: Trees*. Available: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/handouts-planning_ca_sjc_dev_T09-D15?grp=handouts-planning&obj=ca_sjc_dev_T09-D15>. Accessed: June 2019.
- Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*. (Technical Report Y-87-1.) Vicksburg, MS: U.S. Army Waterways Experiment Station.
- Garcia and Associates and Pacific Gas and Electric Company. 2004. *Protocol for Evaluating Bald Eagle Habitat and Populations in California*. Prepared for U.S. Fish and Wildlife Service Endangered Species Division Forest and Foothills Ecosystem Branch
- Hatfield, R., S. Jepsen, and S. Black (Hatfield et al.). 2017. Bumble Bee Surveys in the Columbia River Gorge National Scenic Area of Oregon and Washington. Final report from the Xerces Society to the U.S. Forest Service and Interagency Special Status/Sensitive Species Program (ISSSSP). September 2017. www.fs.fed.us/r6/sfpnw/issssp/documents5/inv-rpt-iihy-bumblebees-crgnsa-2017.pdf. Hilty, J. A., W. Z. Lidicker, Jr., A. M. Merenlender. 2006. *Corridor Ecology: The Science and Practice of Linking Landscapes for Biodiversity Conservation*. Washington, D.C.: Island Press.
- Holland, R. 1986. *Preliminary Descriptions of the Terrestrial Natural Communities of California*. Prepared for California Department of Fish and Game Natural Heritage Division. Sacramento, CA.
- ICF. 2019. *Natural Environmental Study. Interchange Improvement at I-580 at International Parkway/Patterson Pass Road*. April 2019.
- . 2017. *Aceforward Draft Environmental Impact Report*. San Joaquin Regional Rail Commission May. Available: <<http://www.acerail.com/About/Public-Projects/ACEforward/DEIR>>. Accessed: June 2019.
- Justice-Allen & Loyd. 2017. Mortality of Western Burrowing Owls (*Athene cunicularia hypugaea*) Associated with Brodifacoum Exposure. *Journal of Wildlife Diseases*: January 2017, Vol. 53, No. 1, pp. 165-169.
- Logan, A.L. and L.L. Sweanor. 2001. *Desert puma: evolutionary ecology and conservation of an enduring carnivore*. Washington: Island Press. 463 p.
- National Marine Fisheries Service. 2019a. *Habitats of Particular Concern*. Available: <https://www.westcoast.fisheries.noaa.gov/habitat/fish_habitat/hpac.html>. Accessed July 2019.
- . 2019b. *Green Sturgeon*. Available: <https://www.westcoast.fisheries.noaa.gov/protected_species/green_sturgeon/green_sturgeon_pg.html>. Accessed July 2019.

- National Oceanic and Atmospheric Administration. 2019. Essential Fish Habitat Mapper. Available: <<http://www.habitat.noaa.gov/protection/efh/habitatmapper.html>>. Accessed: February 2019.
- Nguyen T., M. Saleh, M. Kyaw, G. Trujillo, M. Bejarano, K. Tapia., D. Waetjen, F. Shilling. 2020. Special Report 4: Impact of COVID-19 Mitigation on Wildlife-Vehicle Conflict. UC Davis Road Ecology Center.
- Penrod, K., P. E. Garding, C. Paulman, P. Beier, S. Weiss, N. Schaefer, R. Branciforte and K. Gaffney. 2013. *Critical Linkages: Bay Area & Beyond*. Produced by Science & Collaboration for Connected Wildlands, Fair Oaks, CA www.scwildlands.org in collaboration with the Bay Area Open Space Council's Conservation Lands Network www.BayAreaLands.org.
- Pierce, B.M. and V.C. Bleich. 2003. Mountain Lion Puma concolor. In G.A. Feldhamer, B.C. Thompson, & J.A. Chapman (eds.), *Wild Mammals of North America Biology, Management, and Economics* (2nd ed., pp. 744-757). Baltimore, Maryland: The Johns Hopkins University Press. As cited in Center for Biological Diversity and the Mountain Lion Foundation. 2019. A Petition to List the Southern California/Central Coast Evolutionary Significant Unit (ESU) of Mountain Lions as Threatened under the California Endangered Species Act (CESA).
- Poessel, S.A., Breck, S.W., Fox, K.A., Gese, E.M., 2015. Anticoagulant rodenticide exposure and toxicosis in coyotes (*Canis latrans*) in the Denver Metropolitan Area. *J. Wildl. Dis.* 51 (1), 265–268.
- Popper, A.N. and M.C. Hastings. 2009. *The Effects of Anthropogenic Sources of Sound on Fish*. *Journal of Fish Biology* 75(3): 455-489. Available: <https://www.researchgate.net/publication/45950826_The_effects_of_anthropogenic_sources_of_sound_on_fishes>. Accessed: June 2019.
- Relyea R.A. 2011. Amphibians Are Not Ready for Roundup®. In: Elliott J., Bishop C., Morrissey C. (eds) *Wildlife Ecotoxicology. Emerging Topics in Ecotoxicology (Principles, Approaches and Perspectives)*, vol 3. Springer, New York, NY. https://doi.org/10.1007/978-0-387-89432-4_9
- Riley, S.P.D., Bromley, C., Poppenga, R.H., Uzal, F.A., Whited, L., Sauvajot, R.M., 2007. Anticoagulant exposure and notoedric mange in bobcats and mountain lions in urban southern California. *J. Wildl. Manage.* 71, 1874–1884.
- Santos, S.M., F. Carvalho, A. Mira. 2017. *Current knowledge on wildlife mortality in railways*. In: Borda-de-agua L., Barrientos R., Beja P., Pereira H. (eds). *Railway Ecology*. Springer, Cham. <https://doi.org/10.1007/978-3-319-57496-7_2>.
- Sawyer, J. O. and T. Keeler-Wolf. 1995. *A Manual of California Vegetation*. California Native Plant Society. Sacramento, California.
- Sawyer, J. O., T. Keeler-Wolf, and J. M. Evens. 2009. *A Manual of California Vegetation, 2nd edition*. California Native Plant Society, Sacramento.
- Shilling F.M., P. Haverkamp, M. Santos, S. Ustin. 2012. Limited Wildlife Diversity at Highway Right-of-Way Crossings. UC Davis Sustainable Transportation Center of the Institute of Transportation Studies. Final Research Report R04-4. https://roadecology.ucdavis.edu/files/content/projects/Report_STC_Wildlife_I80.pdf

- Spencer, W.D., P. Beier, K. Penrod, K. Winters, C. Paulman, H. Rustigian-Romsos, J. Strittholt, M. Parisi, and A. Pettler. 2010. *California Essential Habitat Connectivity Project: A Strategy for Conserving a Connected California*. Prepared for California Department of Transportation, California Department of Fish and Game, and Federal Highways Administration.
- Swainson's Hawk Technical Advisory Committee. 2000. *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley*. May 31.
- Tatarian, P.J. 2008. *Movement patterns of California red-legged frogs (Rana draytonii) in an inland California environment*. *Herpetological Conservation and Biology*. 3:155-169.
- Thorp, R.W., D.S. Horning, Jr., and L.L. Dunning (Thorp et al.). 1983. Bumble Bees and Cuckoo Bumble Bees of California. *Bulletin of the California Insect Survey* 23:1–79. U.S. Army Corps of Engineers. 2014. A Guide to Ordinary High Water Mark (OHWM) Delineation for Non-Perennial Streams in the Western Mountains, Valleys, and Coast Region of the United States. M. K. Mersel and R. W. Lichvar. Prepared for Wetlands Regulatory Assistance Program (WRAP). ERDC/EL TR-14-13. August 2014.
- U.S. Army Corps of Engineers. 2008. Regional Supplement to the Corps of Engineers Wetlands Delineation Manual: Arid West Region (Version 2.0). J. S. Wakeley, R. W. Lichvar, and C. V. Noble (eds.). ERDC/EL TR-08-28. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- U.S. Fish and Wildlife Service. 2019a. *Information on Planning and Conservation*. Available: <<https://ecos.fws.gov/ipac/>>. Accessed: November 11, 2018.
- . 2019b. *Wetlands Mapper*. Available: <<http://www.fws.gov/wetlands/Data/Mapper.html>>. Accessed: February 2019.
- . 2019c. Survey Protocols for the Rusty Patched Bumble Bee (*Bombus affinis*). Version 2.2. April 12, 2019. https://www.fws.gov/midwest/endangered/insects/rpbb/pdf/Survey_Protocols_RPBB_12April2019.pdf.
- . 2017a. *Framework for Assessing Impacts to the Valley Elderberry Longhorn Beetle (Desmocerus californicus dimorphus)*. U.S. Fish and Wildlife Service; Sacramento, California. 28 pp.
- . 2017b. *Recovery Plan for the Central California Distinct Population Segment of the California Tiger Salamander (Ambystoma californiense)*. U.S. Fish and Wildlife Service, Pacific Southwest Region, Sacramento, CA. V+69pp.
- . 2016. *Wetlands Mapper*. Last revised: October 1, 2015. Available: <<http://www.fws.gov/wetlands/Data/Mapper.html>>. Accessed: January 2016.
- . 2011. *Standardized Recommendations for Protection of the Endangered San Joaquin kit fox prior to or during ground disturbance*. Sacramento Fish and Wildlife Office. January 2011.
- . 2010. *Interim Golden Eagle Inventory and Monitoring Protocols; and Other Recommendations*. Written by Pagel, J.E., Whittington, D.M., and G.T. Allen. February. 31 pp.

- . 2005. *Revised Guidance on Site Assessment and Field Surveys for the California red-legged frog*. August. 26 pp. Available: <https://www.fws.gov/sacramento/es/Survey-Protocols-Guidelines/Documents/crf_survey_guidance_aug2005.pdf>. Accessed: March 2019.
- . 2003. *Interim Guidance on Site Assessment and Field Surveys for Determining Presence or a Negative Finding of the California Tiger Salamander*. October. 8 pp. Available: <https://www.fws.gov/sacramento/es/Survey-Protocols-Guidelines/Documents/cts_survey_protocol.pdf>. Accessed: March 2019.
- Vickers TW, Sanchez JN, Johnson CK, Morrison SA, Botta R, Smith T, et al. (2015) Survival and Mortality of Pumas (*Puma concolor*) in a Fragmented, Urbanizing Landscape. *PLoS ONE* 10(7): e0131490. doi:10.1371/journal.pone.0131490
- Washington Department of Fish and Wildlife, Idaho Department of Fish and Game, Xerces Society for Invertebrate Conservation, Oregon State University, and Oregon Department of agriculture. 2019. Pacific North West bumblebee Atlas. Available: <https://www.pnwbumblebeeatlas.org>. Accessed: August 2020.
- Western Bat Working Group. 2019. Species Info. Available: <<http://wbwg.org/>>. Accessed: March 2019.
- Wilmers, C.C., Y. Wang, B. Nickel, P. Houghtaling, Y. Shakeri, M.L. Allen, J. Kermish-Wells, V. Yovovich, and T. Williams (Wilmers et al.). 2013. Scale dependent behavioral responses to human development by a large predator, the puma. *PLoS ONE*, 8(4): <https://doi.org/10.1371/journal.pone.0060590>
- Xerces Society for Invertebrate Conservation. 2017. Rusty Patches Bumble Bee Habitat Assessment Form & Guide. May 2017. Available: <https://xerces.org/sites/default/files/2018-05/17-010_01_HabitatAssessmentFormGuideByXercesForRPBB.pdf>.
- Zeller K.A., Vickers T.W., Ernest H.B., Boyce W.M. 2017. Multi-level, multi-scale resource selection functions and resistance surfaces for conservation planning: Pumas as a case study. *PLoS ONE* 12(6): e0179570. <https://doi.org/10.1371/journal.pone.0179570>.

Section 3.5, Cultural Resources

- Alameda County. 2005. *Historical and Cultural Resource Survey East Alameda County*. Prepared by Michael R. Corbett. Available: <https://www.acgov.org/cda/planning/landuseprojects/documents/eastalameda.pdf>. Accessed January 2019.
- AECOM. 2019. *Valley Link Historical Resources Inventory and Evaluation Report: Tri-Valley, Altamont, and Tracy to Lathrop Segments, Alameda and San Joaquin Counties, California*. Prepared for the Tri-Valley – San Joaquin Valley Regional Rail Authority.
- APTA (American Public Transportation Association). 2018. *Transit Ridership Report: Second Quarter 2018*. Available: <https://www.apta.com/resources/statistics/Documents/Ridership/2018-q2-ridership-APTA.pdf>. Accessed: April 2019.
- BART (Bay Area Rapid Transit). 2017. *BART to Livermore Extension Project Final Environmental Impact Report*. State Clearinghouse No. 2012082104. May.

- Bean, L. J. 1994. *The Ohlone: Past and Present*. Ballena Press Anthropological Papers No. 42. Ballena Press. Menlo Park, CA.
- Bennyhoff, J. 1986. The Emeryville Site, Viewed 93 Years Later. Pages 65–75 in G. S. Breschini and T. Haversat (eds.), *Symposium: A New Look at Some Old Sites*. *Archives of California Prehistory* 6. Salinas, CA: Coyote Press.
- . 1994. Central California Augustine: Implications for Northern California Archaeology. Pages 65–74 in R. E. Hughes (ed.), *Toward a New Taxonomic Framework for Central California Archaeology: Essays by James A. Bennyhoff and David A. Fredrickson*. *Contributions of the University of California Archaeological Research Facility* 52. Berkeley, CA.
- Bieling, D. G. 1998. *Archaeological Investigations at CA-MRN-254, the Dominican College Site, San Rafael, Marin County, California*. Holman and Associates, San Francisco, CA. Submitted to Dominican College, San Rafael, CA and to Davidon Homes, Walnut Creek, CA.
- California Military Department. 2016a. *California and the Second World War: San Francisco Metropolitan Area during World War II*. Sacramento, CA: California State Military Museums. Available: <http://www.militarymuseum.org/SFWWII.html>. Accessed: February 2016.
- . 2016b. *Historic California Posts, Camps, Stations and Airfields: Tracy Facility, Defense Distribution Depot San Joaquin (Tracy Quartermaster Depot, California Quartermaster Sub-Depot [to include Prisoner of War Branch Camp], Tracy Depot Activity, Defense Depot Tracy)*. Sacramento, CA: California State Military Museums. Available: <http://www.militarymuseum.org/tracy.html>. Accessed: February 2016.
- Caltrans (California Department of Transportation). 2015. *Historical Resources Evaluation Report Caltrans Statewide Historic Bridge Inventory: 2015 Update, 1965-1974*. October. Available: <http://www.dot.ca.gov/env/cultural/docs/bridges-inventory-update-2015.pdf>. Accessed: January 28, 2019.
- Cheever, D., and J. Berryman. 2005. *Archaeological and Architectural Inventory and Addendum for the DDJC – Sharpe Site, San Joaquin County, California*. Environmental Engineering Management, Rancho Cordova, CA.
- Cook, S.F. 1943a. *The Conflict between the California Indians and White Civilization, I: The Indian Versus the Spanish Mission*. *Ibero-Americana* 21, Berkeley, CA.
- . 1943b. *The Conflict between the California Indians and White Civilization, II: The Physical and Demographic Reaction of the Non-mission Indians in Colonial and Provincial California*. *Ibero-Americana* 22, Berkeley, CA.
- Crespi, J. 1927. *Fray Juan Crespi: Missionary Explorer on the Pacific Coast 1769-1774*. H. E. Bolton, editor and translator. Berkeley, CA: University of California Press. (Reprinted: AMS Press, New York, 1971).
- Eidness, Janet P. 1996. *Archaeological and Architectural Inventory and Evaluation for the DDJC- Sharpe Site, San Joaquin County, California*.
- Fredrickson, D. A. 1973. *Early Cultures of the North Coast Ranges, California*. Ph.D. dissertation. Department of Anthropology, University of California, Davis.

- . 1984. The North Coast Region. In *California Archaeology*, ed. Michael J. Moratto, pp. 471-527. Academic Press, Orlando, Florida.
- Green, Melvyn, and Christy Johnson McAroy. 1984. *Historic American Engineering Record: Sharpe Army Depot, CA-26, Written Historical and Descriptive Data*. National Park Service, Department of the Interior, Washington, D.C.
- Harrington, J. P. 1921. *Chochenyo Fieldnotes*. Manuscript in Survey of California Indian Languages, Department of Linguistics, University of California, Berkeley.
- Hylkema, M. 2002. Tidal Marsh, Oak Woodlands, and Cultural Florescence in the Southern San Francisco Bay Region. Pages 205–231 in Jon M. Erlandson and Terry L. Jones (eds.), *Catalysts to Complexity: Late Holocene Societies of the California Coast*. Perspectives in California Archaeology 6, series editor J. E. Arnold. Institute of Archaeology, University of California, Los Angeles.
- Knudsen, K.L., Sowers, J.M., Witter, R.C., Wentworth, C.M., and Helley, E.J., 2000, Preliminary maps of Quaternary deposits and liquefaction susceptibility, nine-county San Francisco Bay Region, California: a digital database: U.S. Geological Survey Open-File Report 00-444.
- Kroeber, A. L. 1925. *Handbook of the Indians of California*. Bureau of American Ethnology Bulletin 78. Smithsonian Institution, Washington, DC. (Reprinted by Dover Publications, New York, 1976.)
- Levy, R. 1978. Costanoan. Pages 485–495 in R. F. Heizer (ed.), *California. Handbook of North American Indians. Vol. 8*. Washington, D.C.: Smithsonian Institution.
- Milliken, R. T. 1991. An Ethnohistory of the Indian People of the San Francisco Bay Area from 1770 to 1810. Unpublished Ph.D. dissertation, Department of Anthropology, University of California, Berkeley.
- . 1995. *A Time of Little Choice: The Disintegration of Tribal Culture in the San Francisco Bay Area, 1769-1810*. Menlo Park, CA: Ballena Press.
- Milliken, R., R. T. Fitzgerald, M. G. Hylkema, T. Origer, R. Groza, R. Wiberg, A. Leventhal, D. Bielings, A. Gottsfield, D. Gillette, V. Bellefemine, E. Strother, R. Cartier, and D. A. Fredrickson. 2007. Punctuated Culture Change in the San Francisco Bay Area. In T. L. Jones and K. Klar (eds.), *California Prehistory: Colonization, Culture, and Complexity*. Walnut Creek, CA: Altamira Press.
- San Joaquin Regional Rail Commission (SJRRRC). 2017. *ACEforward Draft Environmental Impact Report*. May.
- Tracy Historical Museum. 2019. *Tracy History*. Available at <http://tracymuseum.org/tracy-history/>. Accessed: February 2019.
- Trains.com. 2006. *Altamont Commuter Express: The Commuter Rail Service Linking San Jose and Stockton, Calif.* June 30. Available: <http://trn.trains.com/railroads/2006/06/altamont-commuter-express>. Accessed April 2019.
- Vellanoweth, R. L. 2001. AMS Radiocarbon Dating and Shell Bead Chronologies: Middle Holocene Trade and Interaction in Western North America. *Journal of Archaeological Science* 28:941–950.
- Wagner, D. L., E. J. Bortugno, and R D. McJunkin. 1991. Geologic Map of the San Francisco-San Jose Quadrangle. (Regional Geologic Map Series Map No. 5a [Geology].) California Department of Conservation, Division of Mines and Geology. [City], [STATE (two-letter abbrev.)]. Available:

ftp://ftp.consrv.ca.gov/pub/dmg/pubs/rgm/RGM_005A/RGM_005A_SanFrancisco&SJ_1991_Sheet1of5.pdf. Accessed: December 9, 2015.

Wickstrom, B. P. 1986. *An Archaeological Investigation of Prehistoric Sites CA-SON-1250 and CA-SON-1251, Southern Sonoma County, California*. Master's thesis, Department of Anthropology, Sonoma State University, Sonoma, Rohnert Park.

Wills, Carrie D. 2010. *Section 106 Cultural Resources Assessment Northwest Airport Way Master Plan*, City of Manteca, San Joaquin County, California. Michael Brandman Associates, San Ramon, CA.

Section 3.6, Energy

Bombardier. 2018. BOMBARDIER TALENT3 Battery Train. Presentation at InnoTrans Convention Conference. September 19. Available: https://bahnindustrie.info/fileadmin/Sonstiges/180919_VDB_InnoTrans_Convention_presentation.pdf. Accessed: November 17, 2020.

California Energy Commission. 2018. California Energy Demand 2018-2030 Revised Forecast. CEC-200-2018-002-CMF. February. Available: <https://efiling.energy.ca.gov/getdocument.aspx?tn=223244>. Accessed: July 17, 2019.

———. 2019a. Oil Supply Sources to California Refineries. Available: http://www.energy.ca.gov/almanac/petroleum_data/statistics/crude_oil_receipts.html. Accessed: July 17, 2019.

———. 2019b. Electricity Consumption by County. Available: <https://ecdms.energy.ca.gov/elecbycounty.aspx>. Accessed: January 7, 2019.

Chevron 2018. What We Do: Refinery 101 – About Chevron Richmond. Available: <http://richmond.chevron.com/aboutchevronrichmond/whatwedo.aspx>. Accessed: March 9, 2018.

California Public Utilities Commission. 2008. *State Energy Action Plan – 2008 Update*. August. https://www.cpuc.ca.gov/uploadedFiles/CPUC_Public_Website/Content/Utilities_and_Industries/Energy_-_Electricity_and_Natural_Gas/2008%20Energy%20Action%20Plan%20Update.pdf. Last accessed 08/18/20.

Frey, H. Christopher, and Jiangchuan Hu. 2015. Measurement of Locomotive Head End Power Engine Fuel and Emissions. Prepared for: North Carolina Department of Transportation September 1. Available: <https://connect.ncdot.gov/projects/research/RNAProjDocs/2015-13%20FinalReport.pdf>. Accessed: June 12, 2019.

Lo, Raymond. (A) Associate Transportation Planner. AECOM, Oakland, CA. June 10, 2019—Email communication with ICF. Oak Ridge National Laboratory. 2015. Transportation Energy Data Book. Edition 34. 2015. December. Available: https://tedb.ornl.gov/wp-content/uploads/2019/03/Edition34_Full_Doc.pdf

Pacific Gas and Electric Company (PG&E). 2018a. Where Your Electricity Comes From. Available: https://www.pge.com/pge_global/common/pdfs/your-account/your-bill/understand-your-bill/bill-inserts/2018/10-18_PowerContent.pdf. Accessed: July 17, 2019.

- . 2018b. Learn About the PG&E natural Gas System. Available: < https://www.pge.com/en_US/safety/how-the-system-works/natural-gas-system-overview/natural-gas-system-overview.page >. Accessed: July 18, 2019.
- . 2019. 2018 Joint Annual Report to Stakeholders. Available: < http://www.pgecorp.com/investors/financial_reports/annual_report_proxy_statement/ar_pdf/2018/2018_Annual_Report.pdf >. Accessed: July 17, 2019.
- U.S. Energy Information Administration. 2018. California Profile Overview. Last Revised: November 15, 2018. Available: < <https://www.eia.gov/state/?sid=CA#tabs-2> >. Accessed: July 17, 2019.
- . 2019a. Rankings: Crude Oil Production. Last Revised: March 2019. Available: <<https://www.eia.gov/state/rankings/?sid=CA#series/46>>. Accessed: July 17, 2019.
- . 2019b. Number and Capacity of Petroleum Refineries. Last Revised: June 21, 2019. Available: <https://www.eia.gov/dnav/pet/pet_pnp_cap1_dcu_nus_a.htm>. Accessed: July 17, 2019.
- . 2019c. Refiner Sales Volumes of Other Petroleum Products. Last Revised: July 1, 2019. Available: <https://www.eia.gov/dnav/pet/pet_cons_refoth_d_SCA_VTR_mgalpd_a.htm>. Accessed: July 17, 2019.
- . 2019d. Refiner Motor Gasoline Sales Volumes. Last Revised: July 1, 2019. Available: <https://www.eia.gov/dnav/pet/pet_cons_refmg_d_SCA_VTR_mgalpd_a.htm>. Accessed: July 17, 2019.

Section 3.7, Geology and Soils

- 2007 California Working Group on Earthquake Probabilities. 2008. *The Uniform California Earthquake Rupture Forecast, Version 2 (UCERF 2)*. U.S. Geological Survey Open-File Report 2007-1437, California Geological Survey Special Report 203. Reston, VA.
- Alameda County. 1994. *Alameda County General Plan—Conservation Element*. Available: <https://www.acgov.org/cda/planning/generalplans/index.htm>. Accessed March 25, 2019.
- Barlock, V. E. 1989. Sedimentology of the Livermore Gravels (Miocene-Pleistocene), southern Livermore Valley, California. (U.S. Geological Survey Open-File Report 89-131.) Available: <https://pubs.er.usgs.gov/publication/ofr89131>. Accessed: September 29, 2016.
- Bartow, J. A. 1985. Revisions in the Tertiary Stratigraphy of the East Flank of the Diablo Range, Central California. *U.S. Geological Survey Bulletin*. (U.S. Geological Survey Bulletin 1605-A.) pp. A1–A6. Available: <http://pubs.usgs.gov/bul/1605a/report.pdf>. Accessed: March 1, 2016.
- . 1991. The Cenozoic evolution of the San Joaquin Valley, California. Professional Paper 1501. U.S. Geological Survey. Reston, VA.
- Bonilla, M.G., J.J. Lienkaemper, and J.C. Tinsley. 1980. *Surface Faulting Near Livermore, California Associated with the January 1980 Earthquakes*. U.S. Geological Survey Open-File Report 80-523. Available: <http://pubs.usgs.gov/of/1980/0523/>. Accessed February 6, 2019.
- California Department of Conservation (DOC). 2018. DOC Maps: Geothermal. Available: <https://maps.conservation.ca.gov/geothermal/>. Accessed February 16, 2019.

- California Department of Oil, Gas, and Geothermal Resources (DOGGR). 2018. Well Finder. Available: <https://www.conservation.ca.gov/dog/Pages/wellfinder.aspx>. Accessed February 16, 2019.
- California Geological Survey (CGS). 2002. California Geomorphic Provinces. (Note 36.) Available: https://www.conservation.ca.gov/cgs/Documents/Publications/Note_36.pdf. Accessed: December 20, 2018.
- . 2008a. Seismic Hazard Zone Report for the Livermore 7.5-Minute Quadrangle, Alameda County, California. (Seismic Hazard Zone Report 114.) Available: http://gmw.conservation.ca.gov/SHP/EZRIM/Reports/SHZR/SHZR_114_Livermore.pdf. Accessed: January 29, 2019.
- . 2008b. Probabilistic Seismic Hazard Analysis Ground Motion Interpolator. Available: <https://www.conservation.ca.gov/cgs/ground-motion-interpolator-for-embedding.htm>. Accessed February 6, 2019.
- . 2017. Alquist-Priolo Earthquake Fault Zone Maps. Available: <http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>. Accessed January 10, 2019.
- . 2019. Seismic Hazard Zone Maps for the Dublin, Livermore, Altamont, and Midway Quadrangles. Available: <https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/>. Accessed February 6, 2019.
- Field, E.H. and the 2014 Working Group on California Earthquake Probabilities. 2015. *UCERF3: A New Earthquake Forecast for California's Complex Fault System*. U.S. Geological Survey Fact Sheet 2015-3009. Denver, CO.
- Graymer, R.W., B.C. Moring, G.J. Saucedo, C.M. Wentworth, E.E. Brabb, and K. L. Knudsen. 2006. *Geologic Map of the San Francisco Bay Region*. Scientific Investigations Map 2918. U.S. Geological Survey, Denver, CO.
- Hart, E.W. 1981. Greenville Fault. Fault Evaluation Report FER-117. California Division of Mines and Geology, Sacramento, CA.
- Herd, D.G. 1977. Geologic map of the Las Positas, Greenville, and Verona faults, eastern Alameda County, California. U.S. Geological Survey Open-File Report 77-689. Available: <https://pubs.er.usgs.gov/publication/ofr77689>. Accessed February 5, 2019.
- Jennings, C.W. and Bryant, W.A. 2010. *2010 Fault Activity Map of California*. Available: <http://maps.conservation.ca.gov/cgs/fam/>. Accessed January 8, 2019.
- Jensen, L.S. and M.A. Silva. 1989. *Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Stockton-Lodi Production-Consumption Region*. California Geological Survey Special Report 160. Available: <http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>. Accessed February 7, 2019.
- Knudsen K.L, J.M. Sowers, R.C. Witter, C.M. Wentworth, and E.J. Helley. 2000. *Description of Mapping of Quaternary Deposits and Liquefaction Susceptibility, Nine-County San Francisco Bay Region*,

- California. U.S. Geological Survey, Open-File Report 00-444. Available: https://pubs.usgs.gov/of/2000/of00-444/of00-444_3c.pdf. Accessed February 11, 2019.
- Kohler-Antablin, S. 1996. *Update of Mineral Land Classification: Aggregate Materials in the South San Francisco Bay Production-Consumption Region*. California Geological Survey Open-File Report 96-03. Available: <http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>. Accessed February 13, 2019.
- Lettis Consultants International, Inc. (LCI). 2019. *Phase 1 Surface Fault Rupture Hazard Study for a Proposed Railway Platform and Station for the Valley Link, Livermore, California*. LCI Project No. 1830.000. Walnut Creek, CA.
- Marchand, D. E. and A. Allwardt. 1981. *Late Cenozoic Stratigraphic Units, Northeastern San Joaquin Valley, California*. (Geological Survey Bulletin 1470.) U. S. Department of the Interior. Available: <http://pubs.usgs.gov/bul/1470/report.pdf>. Accessed: February 4, 2016.
- Natural Resources Conservation Service (NRCS). 2018. Web Soil Survey. Available: <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>. Accessed February 8, 2019.
- Nilsen, T.H., J.A. Bartow, V.A. Frizzell Jr., and J.D. Sims. 1975. *Preliminary Photointerpretation Maps of Landslide and Other Surficial Deposits of 56, 7 ½-Minute Quadrangles in the Southeastern San Francisco Bay Region, Alameda, Contra Costa, and Santa Clara Counties, California*. U.S. Geological Survey, Open-File Report OF-75-277. Available: <https://pubs.er.usgs.gov/publication/ofr75277>. Accessed February 12, 2019.
- Norris, R.M., Webb, R.W. 1990. *Geology of California*. Hoboken, N.J.: John Wiley & Sons Inc. 560 pp.
- Roberts, S., M.A. Roberts, and E.M. Brennan. 1999. Landslides in Alameda County, California, A Digital Database Extracted from Preliminary Photointerpretation Maps of Surficial Deposits by T.H. Nilsen in USGS Open-File Report 75-277. U.S. Geological Survey Open-File Report 99-504. Available: <https://pubs.usgs.gov/of/1999/of99-504/>. Accessed November 2018.
- San Joaquin County. 2016. *San Joaquin County 2035 General Plan—Policy Document*. Available: <https://www.sjgov.org/commddev/cgi-bin/cdyn.exe/file/Planning/General%20Plan%202035/GENERAL%20PLAN%202035.pdf>. Accessed March 25, 2019.
- San Joaquin County Environmental Health Department (SJEHD). 2016. *Onsite Wastewater Treatment Systems Local Agency Management Program*. Available: <https://www.sjgov.org/uploadedFiles/SJC/Departments/EHD/Forms/LAMP-Local%20Agency%20Management%20Plan.pdf>. Accessed July 12, 2019.
- . 2017. *Water Quality Control Policy for Siting, Design, Operation, and Maintenance of Onsite Wastewater Treatment Systems*. Available: <https://www.sjgov.org/uploadedfiles/sjc/departments/ehd/forms/onsite%20wastewater%20disposal%20standards.pdf>. Accessed July 12, 2019.
- Schierer, A. H. and L. B. Magoon. 2007. Age, Distribution, and Stratigraphic Relationship of Rock Units in the San Joaquin Basin Province, California. In A.H. Schierer, ed., *Petroleum Systems and Geologic Assessment of Oil and Gas in the San Joaquin Basin Province, California*. (U.S.G.S.

- Professional Paper 1713.) Available: <http://pubs.usgs.gov/pp/pp1713/>. Accessed: February 5, 2016.
- Shedlock, K.M., R.K. McGuire, and D.G. Herd. 1980. *Earthquake Recurrence in the San Francisco Bay Region, California from Fault Slip and Seismic Moment*. U.S. Geological Survey Open-File Report 80-999. Available: <https://pubs.usgs.gov/of/1980/0999/report.pdf>. Accessed February 5, 2019.
- Smith, J.D. and J.P. Clinkenbeard. 2012. *Update of Mineral Land Classification for Portland Cement Concrete-Grade Aggregate in the Stockton-Lodi Production-Consumption Region, San Joaquin and Stanislaus Counties, California*. California Geological Survey Special Report 199. Available: <http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>. Accessed February 7, 2019.
- Society of Vertebrate Paleontology. 2010. Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources. Impact Mitigation Guidelines Revision Committee.
- Stinson, M.C., M.W. Manson, and J.J. Plappert. 1987. Mineral Land Classification: Aggregate Materials in the San Francisco Monterey Bay Area: Classification of Aggregate Resource Areas: South San Francisco Bay Production-Consumption Region. California Geological Survey Special Report 146, Part II. Available: <http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>. Accessed February 7, 2019.
- University of California Museum of Paleontology. 2018a. Modesto Formation. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018b. Livermore Gravels. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018c. Tassajara Formation. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018d. San Pablo Group. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018e. Panoche Formation. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2019. Vertebrate fossils in Alameda County. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: January 29, 2019.
- U.S. Department of Energy and University of California. 1992. *Draft Environmental Impact Statement and Environmental Impact Report for Continued Operation of Lawrence Livermore National Laboratory and Sandia National Laboratories, Livermore*. Volume I of II. Available: <https://books.google.com/books?id=4wExAQAAMAAJ&q=carnegie+fault#v=onepage&q=carnegie%20fault&f=false>. Accessed February 15, 2019.
- Wagner, D.J., Burtugno, E.J., and McJunkin, R.D. 1991. Geologic Map of the San Francisco-San Jose Quadrangle, California, 1:250,000.
- Witter, R.C., K.L. Knudsen, J.M. Sowers, C.M. Wentworth, R.D. Koehler, C.E. Randolph, S.K. Brooks, and K.D. Gans. 2006. Maps of Quaternary Deposits and Liquefaction Susceptibility in the Central San

Francisco Bay Region, California, Final Technical Report. U.S. Geological Survey Open-File Report 06-1037. Available:
https://earthquake.usgs.gov/cfusion/external_grants/reports/05HQGR0151.pdf. Accessed February 6, 2019.

Section 3.8, Greenhouse Gas Emissions

Printed References

- Bay Area Air Quality Management District. 2017. California Environmental Quality Act Air Quality Guidelines. May.
- Blasing, T. J. 2016. Recent Greenhouse Gas Concentrations. DOI: 10.3334/CDIAC/atg.032. Updated April. Accessed: December 29, 2017.
- Bombardier. 2018. BOMBARDIER TALENT3 Battery Train. Presentation at InnoTrans Convention Conference. September 19. Available:
https://bahnindustrie.info/fileadmin/Sonstiges/180919_VDB_InnoTrans_Convention_presentation.pdf. Accessed: November 17, 2020.
- California Air Resources Board. 2018a. SB 375 Regional Greenhouse Gas Emissions Reduction Targets. Last Revised: March 2018. Available:
<<https://www.arb.ca.gov/cc/sb375/finaltargets2018.pdf>>. Accessed: January 7, 2019.
- _____. 2018b. California Greenhouse Gas Emission Inventory – 2018 Edition. Last Revised: July 11, 2018. Available: <<https://www.arb.ca.gov/cc/inventory/data/data.htm>>. Accessed: January 7, 2019.
- California High-Speed Rail Authority. 2016. *2016 Business Plan: Connecting and Transforming California*. May. Available:
http://hsr.ca.gov/docs/about/business_plans/2016_BusinessPlan.pdf. Accessed: June 27, 2019.
- California Public Utilities Commission (CPUC). 2008. Energy Action Plan – 2008 Update. Available:
https://www.cpuc.ca.gov/uploadedFiles/CPUC_Public_Website/Content/Utilities_and_Industries/Energy_-_Electricity_and_Natural_Gas/2008%20Energy%20Action%20Plan%20Update.pdf. Accessed: August 18, 2020.
- Center for Climate and Energy Solutions. 2011. The Greenhouse Effect. Available: <<https://www.c2es.org/content/changes-in-climate/>>. Accessed: August 13, 2018.
- Intergovernmental Panel on Climate Change. 2018. UN Environment Emissions Gap Report 2018. Available: <<https://www.ipcc.ch/site/assets/uploads/2018/12/UNEP-1.pdf>>. Accessed: July 29, 2019.
- PRBO Conservation Science. 2011. Projected Effects of Climate Change in California: Ecoregional Summaries Emphasizing Consequences for Wildlife. Version 1.0. February.
- San Joaquin Regional Rail Commission. 2018. ACE Extension to Ceres and Merced Draft Environmental Impact Report. April. Available: <https://acerail.com/projects-initiatives/#27-48-draft-environmental-impact-report>. Accessed: November 17, 2020.

U.S. Environmental Protection Agency. 2018. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016. EPA 430-R-18-003. April 12.

Personal Communications

Lo, Raymond. (A) Associate Transportation Planner. AECOM, Oakland, CA. June 10, 2019—Email communication with ICF.

Section 3.9, Hazardous Materials

Banta Elementary School District. 2019. *Banta Elementary School District Home Page*. Available: <https://bantaesd.sharpschool.net/home>. Accessed: January 18, 2019.

California Department of Conservation Farmland Mapping and Monitoring Program (FMMP). 2016. *Important Farmland Maps*. Available: https://www.conservation.ca.gov/dlrp/fmmp/Pages/county_info.aspx. Accessed: January 3, 2019.

California Department of Education. 2019. *Tracy Unified School District, List of Active Schools*. Available: <https://www.cde.ca.gov/SchoolDirectory/results?districts=937&status=1&search=1>. Accessed: January 7, 2019.

California Department of Toxic Substances Control (DTSC). 2006. *Interim Guidance Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers*. Available: https://www.dtsc.ca.gov/Schools/upload/Guidance_Lead_Contamination_050118.pdf. Accessed: December 13, 2018.

———. 2008. *Interim Guidance for Sampling Agricultural Properties (Third Revision)*. Sacramento, CA.

———. 2019. EnviroStor. Available: <https://www.envirostor.dtsc.ca.gov/public/>. Accessed: January 28, 2019.

California Department of Transportation (Caltrans). 2015. *Standard Specifications: 14-11.12 Removal of Yellow Traffic Stripe and Pavement Marking with Hazardous Waste Residue*. Available: http://www.dot.ca.gov/hq/esc/oe/construction_contract_standards/std_specs/2015_StdSpecs/2015_StdSpecs.pdf. Accessed: December 13, 2018.

Earthtech, Inc. 2008. *Silicon Valley Rapid Transit Project. Project-Wide Contaminant Management Plan*. Available: <http://www.vta.org/sfc/servlet.shepherd/document/download/069A0000001ELQXIA4>. Accessed: January 3, 2019.

Environmental Data Resources, Inc. (EDR). 2019. *EDR Area/Corridor Report, Valley Link EIR, Livermore, CA*. Inquiry No. 5513923.5s.

Google Earth. 2018. Aerial Imagery.

Livermore School District. 2019. *Our Schools, Map and Street Guide*. Available: <https://www.livermoreschools.org/Page/5858>. Accessed: January 7, 2019.

- Manteca Unified School District. 2019. *Schools*. Available: <http://www.mantecausd.net/schools>. Accessed: January 18, 2019.
- Pipeline and Hazardous Materials Safety Administration (PHMSA). 2018. *National Piping Mapping System Public Map Viewer*. Available: <https://www.npms.phmsa.dot.gov/PublicViewer/>. Accessed: January 3, 2019.
- Rails-to-Trails Conservancy. 2004. *Understanding Environmental Contaminants; Lessons Learned and Guidance to Keep your Rail-Trail Project on Track*. Available: <https://www.railstotrails.org/resource-library/resources/understanding-environmental-contaminants-lessons-learned-and-guidance-to-keep-your-rail-trail-project-on-track/>. Accessed: January 3, 2019.
- State Water Resources Control Board (SWCRB). 2019. GeoTracker. Available online: <https://geotracker.waterboards.ca.gov/>. Accessed: January 17, 2019.
- Van Gosen, B.S. and J.P. Clinkenbeard. 2011. *Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California*. Open-File Report 2011-1188 and California Geological Survey Map Sheet 59. U.S. Geological Survey, and California Geological Survey. Reston, VA.
- Wagner, D.L., E.J. Bortugno, and R.D. McJunkin. 1991. *Geologic Map of the San Francisco-San Jose Quadrangle*. Scale 1:250,000. Regional Geologic Map Series, Map. No. 5A. California Division of Mines and Geology. Sacramento, CA.

Section 3.10, Hydrology and Water Quality

- Alameda County. 2014. *Alameda County General Plan, Safety Element*. Accessed: <https://www.acgov.org/cda/planning/generalplans/documents/SafetyElementAmendmentFinal.pdf>. Accessed February 21, 2019.
- Alameda Creek Alliance. 2018. Alameda Creek Watershed. Available: <http://www.alamedacreek.org/learn-more/overview-watershed.php>. Accessed December 27, 2018.
- California Department of Forestry and Fire Protection (CALFIRE). 2004. *California Interagency Watershed Map of 1999 (CalWater) Version 2.2.1*. Available: http://frap.fire.ca.gov/data/frapgisdata-sw-calwater_download. Accessed February 16, 2019.
- California Department of Pesticide Regulation. (DPR). 2008. *What You Need to Know About the Permit Process for Restricted Pesticides*. Available: <http://www.cdpr.ca.gov/docs/dept/factshts/permitting.pdf>. Accessed December 17, 2018.
- California Department of Transportation. 2019. *Stormwater Quality Handbooks, Project Planning and Design Guide*. Available: <https://dot.ca.gov/programs/design/manual-project-planning-design-guide>. Accessed September 10, 2019.
- California Department of Water Resources (DWR). 2003. *California's Groundwater Bulletin 118*. Available: <https://water.ca.gov/Programs/Groundwater-Management/Bulletin-118>. Accessed February 21, 2019.

- . 2006a. *Bulletin 118 California's Groundwater – Livermore Valley Groundwater Basin*. Available: <https://water.ca.gov/LegacyFiles/groundwater/bulletin118/basindescriptions/2-10.pdf>. Accessed February 21, 2019.
- . 2006b. *Bulletin 118 California's Groundwater – San Joaquin Valley Groundwater Basin, Tracy Subbasin*. Available: <https://water.ca.gov/LegacyFiles/groundwater/bulletin118/basindescriptions/5-22.15.pdf>. Accessed February 21, 2019.
- . 2012. Urban Levee Design Criteria. Available: <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Flood-Management/Flood-Projects/Files/Urban-Levee-Design-Criteria.pdf>. Accessed February 21, 2019.
- . 2017a. *Central Valley Flood Protection Plan*. Available: <http://cvfppb.ca.gov/cvfpp/>. Accessed December 12, 2018.
- . 2017b. *Basin-Wide Feasibility Study, San Joaquin Basin, Draft*. Central Valley Flood Protection Plan. Available: <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Flood-Management/Flood-Planning-and-Studies/Files/Draft-San-Joaquin-River-Basin-wide-Feasibility-Study.pdf>. Accessed June 8, 2019.
- . 2019. Best Available Maps. Available: <http://gis.bam.water.ca.gov/bam/>. Accessed: February 21, 2019.
- . 2019. SGMA Basin Prioritization Dashboard. Available: <https://gis.water.ca.gov/app/bp-dashboard/final/>. Accessed July 15, 2020.
- California Environmental Protection Agency, California Department of Pesticide Regulation, and State Water Resources Control Board. 1997. *The California Pesticide Management Plan for Water Quality*. Available: <https://www.cdpr.ca.gov/docs/emon/surfwtr/maaplan.htm>. Accessed December 13, 2018.
- Central Valley Regional Water Quality Control Board (Central Valley Water Board). 2016a. Waste Discharge Requirements–Limited Threat Discharges to Surface Water, Order No. R5-2016-0079-01. Available: https://www.waterboards.ca.gov/rwqcb5/board_decisions/adopted_orders/general_orders/r5-2016-0076.pdf. Accessed February 20, 2019.
- . 2016b. *Order No. R5-2016-0040, NPDES No. CAS0085324, National Pollution Elimination System Permit and Waste Discharge Requirements General Permit for Discharges from Municipal Separate Storm Sewer Systems*. Available: https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2016-0040/. Accessed December 13, 2018.
- . 2018a. *The Water Quality Control Plan (Basin Plan) for the Sacramento and San Joaquin River Basins*. Available: https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/#basinplans. Accessed December 12, 2018.
- . 2018b. TMDL – Projects in the Central Valley Region. Available: https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/. Accessed December 27, 2018.

- City of Livermore. 2013. *2003-2035 General Plan, Public Safety Element*. Available: <http://www.cityoflivermore.net/citygov/cdd/planning/general.htm>. Accessed February 21, 2019.
- City of Pleasanton. 2013. *2005 Pleasanton Plan 2025, Safety Element*. Available: <https://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=23899>. Accessed February 21, 2019.
- Delta Stewardship Council. 2019. *The Delta Plan (as Amended January 2019)*. Sacramento, CA. January. Available: <https://deltacouncil.ca.gov/pdf/delta-plan/2019-01-02-amended-chapter-2.pdf>. Accessed: July 2019.
- Federal Emergency Management Agency (FEMA). 2017. *Floodplain Maps*. Available: <https://msc.fema.gov/portal/home>. Accessed February 21, 2019.
- GEI Consultants. 2020. *Managing Groundwater in the Tracy Subbasin*. Available: <https://tracysubbasin.org/>. Accessed July 15, 2020.
- NRCS (U.S. Department of Agriculture Natural Resources Conservation Service). 2018. *Web Soil Survey*. Available: <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>. Accessed February 8, 2019.
- San Francisco Bay Regional Water Quality Control Board. 2015. *Municipal Regional Stormwater NPDES Permit, Order No. R2-2015-0049, NPDES Permit No. CAS612008*. Available: https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/stormwater/Municipal/. Accessed December 10, 2018.
- . 2017. *San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan)*. Available: https://www.waterboards.ca.gov/sanfranciscobay/basin_planning.html. Accessed December 13, 2018.
- . 2018. *Total Maximum Daily Loads (TMDLs) and the 303(d) List of Impaired Water Bodies*. Available: http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/. Accessed: December 27, 2018.
- San Joaquin County. 1992. *San Joaquin County General Plan Vol. III, Public Health and Safety, Dam Failure Inundation Maps*.
- State Water Resources Control Board. 2012a. *National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated With Construction and Land Disturbance Activities, Order No. 2012-006-DWQ*. Available: https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2012/wqo2012_0006_dwq.pdf. Accessed December 27, 2018.
- . 2012b. *Order No. 2012-0011-DWQ, as Amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC, NPDES No. CAS000004, National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit, Waste Discharge Requirements (WDRs) for State of California Department of Transportation*. Available: https://www.waterboards.ca.gov/water_issues/programs/stormwater/caltrans.html. Accessed December 13, 2018.

- . 2013. *Water Quality Order No. 2013-0001-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000004, Waste Discharge Requirements (WDRs) for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit)*. Available: https://www.waterboards.ca.gov/water_issues/programs/stormwater/phase_ii_municipal.htm. Accessed: December 10, 2018.
- . 2017. *2014 and 2016 California Integrated Report*. Available: https://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2014_2016.shtml. Accessed: December 10, 2018.
- U.S. Geological Survey. 2007. *Seasonal/Yearly Salinity Variations in San Francisco Bay*. Available: https://sfbay.wr.usgs.gov/hydroclimate/sal_variations/index.html. Accessed December 28, 2018.
- . 2011. National Hydrography Dataset. Available: <https://www.usgs.gov/core-science-systems/ngp/national-hydrography>. Accessed January 2019.
- Zone 7 Water Agency. 2016. *Alternative Groundwater Sustainability Plan for the Livermore Valley Groundwater Basin*. Available: <https://sgma.water.ca.gov/portal/alternative/print/2>. Accessed July 15, 2020.

Section 3.11, Land Use and Planning

- City of Dublin. 2016. City of Dublin General Plan. November. Available: <http://www.dublin.ca.gov/171/General-Plan>. Last Amended 2017. Accessed: February 2019.
- City of Lathrop. 1991. Comprehensive General Plan for the City of Lathrop, California. December. Available: http://www.ci.lathrop.ca.us/lathrop//cdd/projects/Pdf/generalplan_files/11-05-2017_16-31-04-881.pdf. Accessed: February 2019.
- . 2002. West Lathrop Specific Plan. October. Available: http://www.ci.lathrop.ca.us/sites/default/files/fileattachments/planning_division/page/5771/west_lathrop_specific_plan_2003.pdf. Accessed: March 2019.
- . 2017. General Plan Map. October. Available: http://www.ci.lathrop.ca.us/lathrop//cdd/projects/Pdf/generalplan_files/25-10-2017_11-24-56-521.pdf. Accessed: February 2019.
- City of Livermore. 2004. City of Livermore General Plan 2003–2025. Land Use Element. Available: <http://www.cityoflivermore.net/civicax/filebank/documents/6093/>. Last Amended 2014. Accessed: February 2019.
- . 2012. Livermore Municipal Airport, Airport Land Use Compatibility Plan. Available: https://www.acgov.org/cda/planning/generalplans/documents/LVK_ALUCP_082012_FULL.pdf. Accessed March 2019.
- . 2018. *City of Livermore General Plan Map*. May. Available: <http://www.cityoflivermore.net/civicax/filebank/blobdload.aspx?t=64487.97&BlobID=18351>. Accessed February 2019.

- . 2020. Isabel Neighborhood Specific Plan. Public Review Draft. June. Available: [http://www.cityoflivermore.net/civicax/filebank/blobdload.aspx?t= 59096.66&BlobID=21141](http://www.cityoflivermore.net/civicax/filebank/blobdload.aspx?t=59096.66&BlobID=21141). Accessed: July 2020.
- City of Pleasanton. 2009. Pleasanton General Plan 2005–2025. July. Available: <http://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=23895>. Last Amended 2015. Accessed: February 2019.
- City of Tracy. 2011a. *City of Tracy General Plan*. February. Available: https://www.ci.tracy.ca.us/documents/2011_General_Plan.pdf. Accessed: February 2019.
- . 2011b. City of Tracy General Plan GIS Layer. Available: http://www.ci.tracy.ca.us/documents/?d=2011_General_Plan.pdf. Accessed: February 2019.
- County of Alameda. 1973. Open Space Element of the General Plan: County of Alameda, State of California. Available: <https://www.acgov.org/cda/planning/generalplans/documents/Open%20Space%20Element%201994.pdf>. Accessed: March 2019.
- . 1994a. Conservation Element of the General Plan: County of Alameda, State of California. Available: https://www.acgov.org/cda/planning/generalplans/documents/Conservation_Element_1994.pdf. Accessed: August 2020.
- . 1994b. *East County Area Plan, A Portion of the Alameda County General Plan*. May. Available: <https://www.acgov.org/cda/planning/generalplans/documents/EastCountyAreaPlancombined.pdf>. Accessed: February 2019.
- . 2014. Safety Element of the General Plan: County of Alameda, State of California. Available: <https://www.acgov.org/cda/planning/generalplans/documents/SafetyElementAmendmentFinal.pdf>. Accessed: August 2020.
- County of San Joaquin. n.d. San Joaquin County GIS, General Plan District Layer. Available: <http://sjmap.org/DistrictViewerV2/>. Accessed: February 2019.
- . 2012. Tracy Sphere of Influence. Available: <https://www.sjgov.org/commission/lafco/maps>. Accessed: March 2019.
- . 2016. *San Joaquin County General Plan Policy Document*. December. Available: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/General%20Plan%202035/GENERAL%20PLAN%202035.pdf>. Accessed: February 2019.
- Delta Stewardship Council. 2013. The Delta Plan. Available: http://deltacouncil.ca.gov/sites/default/files/documents/files/DeltaPlan_2013_CHAPTERS_CO MBINED.pdf. Accessed: March 2019
- Metropolitan Transportation Commission and Association of Bay Area Governments. 2017. Association of Bay Area Governments Plan Bay Area 2040. July. Available: http://2040.planbayarea.org/cdn/farfuture/u_7TKELkH2s3AAiOhCyh9Q9QIWEZIdYcjzi2QDCZuIs/1510696833/sites/default/files/2017-11/Final_Plan_Bay_Area_2040.pdf. Accessed: February 2019.

San Joaquin Council of Governments. 2018. *2018 Regional Transportation Plan and Sustainable Communities Strategy*. June. Available: <http://www.sjog.org/DocumentCenter/View/4156/Final-Compiled-RTPSCS-2018>. Accessed: February 2019.

Tri-Valley–San Joaquin Valley Regional Rail Authority. 2019. *Project Feasibility Report*. October.

Section 3.12, Noise and Vibration

City of Dublin. 2016. *City of Dublin General Plan*. Available: <http://www.dublin.ca.gov/171/General-Plan>. Last Amended 2017. Accessed July 2019.

City of Lathrop. 1991. *Comprehensive General Plan for the City of Lathrop, California*. December. Available: http://www.ci.lathrop.ca.us/lathrop/cdd/documents/pdf/17-01-2017_17-12-01-597_597.pdf.

City of Livermore. 2004. *City of Livermore General Plan 2003–2025*. February. Available: <http://www.ci.livermore.ca.us/citygov/cd/planning/general.asp>.

City of Pleasanton. 2009. *Pleasanton General Plan 2005–2025*. July. Available: <http://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=23895>.

City of Tracy. 2011. *City of Tracy General Plan*. February. Available: http://www.ci.tracy.ca.us/documents/?d=2011_General_Plan.pdf.

Count of Alameda. 2012. *Livermore Municipal Airport Land Use Compatibility Plan*. August. Prepared by ESA. Available: https://www.acgov.org/cda/planning/generalplans/documents/LVK_ALUCP_082012_FULL.pdf. Accessed: July 2019.

———. 1994. *Alameda County General Plan*. May. Available: <http://acgov.org/cda/planning/generalplans/index.htm>.

Federal Railroad Administration (FRA). 2012. *High-Speed Ground Transportation Noise and Vibration Impact Assessment*. Washington, DC. September. Available: https://railroads.dot.gov/sites/fra.dot.gov/files/fra_net/2680/20120220_FRA_HSR_NV_Manual_FINAL_102412.pdf. Accessed: August 2020.

Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment*. FTA Report FTA Report No. 0123. September 2018.

San Joaquin County. 1992. *San Joaquin County General Plan 2010*. July. Available: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe?grp=planning&htm=generalplan>.

Section 3.13, Population and Housing

Alameda County. 1994. *Open Space Diagram*. East County Area Plan. Adopted May 5, 1994. Available: <https://www.acgov.org/cda/planning/generalplans/documents/EastCountyAreaPlancombined.pdf>. Accessed: December 2018.

Association of Bay Area Governments. 2018. *Plan Bay Area Projections 2040*. November.

- California Department of Finance. 2018. *P-1: Total Estimated and Projected Population for California and Counties: July 1, 2010 to July 1, 2060 in 1-year Increments*. Available: <http://www.dof.ca.gov/Forecasting/Demographics/Projections/>. Accessed: December 2018.
- Campbell, Jason. *Lathrop Creates Economic Development Post. Manteca/Ripon Bulletin. January 28, 2019*. Available: <https://www.mantecabulletin.com/news/local-news/lathrop-creates-economic-development-post/>. Accessed: July 2019.
- City of Dublin. 1985. *City of Dublin General Plan*. Available: <https://www.dublin.ca.gov/DocumentCenter/View/7793/General-Plan-November-2016-WEB>. Accessed: March 2019.
- . 2013. *Dublin Crossing Specific Plan*. Available: http://www.ci.dublin.ca.us/DocumentCenter/View/5847/Dublin-Crossing-Specific-Plan_Final_11-15-13_web. Accessed: March 2019.
- City of Lathrop. 2004. *Central Lathrop Specific Plan*. Available: http://www.ci.lathrop.ca.us/lathrop/cdd/projects/Pdf/_clsp_files/17-08-2018_12-57-53-21.pdf. Accessed: March 2019.
- . 2019. River Islands. Available: <https://www.ci.lathrop.ca.us/city-manager/page/river-islands>. Accessed July 2019.
- City of Livermore. 2004. *City of Livermore General Plan 2003–2025*. Land Use Element. February. Available: <http://www.cityoflivermore.net/citygov/cd/planning/general.asp>. Accessed: December 2018.
- . 2020. *Isabel Neighborhood Specific Plan*. Public Review Draft. June. Available: <http://www.cityoflivermore.net/civicax/filebank/blobdload.aspx?t=59096.66&BlobID=21141>. Accessed: July 2020.
- City of Manteca. 2013. Notice of Preparation of an Environmental Impact Report for the Proposed South of Woodward Avenue North Project.
- . 2015. Addendum #1 to the Villa Ticino West Development Final Environmental Impact Report. Available: http://manteca-ca.granicus.com/MetaViewer.php?view_id=&clip_id=234&meta_id=32799. Accessed: July 2018.
- City of Pleasanton. 2005. *City of Pleasanton Plan 2005–2025*. Land Use Element. Available: <https://www.cityofpleasantonca.gov/gov/depts/cd/planning/general.asp>. Accessed: December 2018.
- City of Tracy. 2009. *City of Tracy Downtown Specific Plan*. March. Available: https://www.thinkinsidethetriangle.com/documents/Downtown_Specific_Plan_Draft_March_2009.pdf. Accessed: December 2018.
- . 2011. *City of Tracy General Plan*. February. Available: http://www.ci.tracy.ca.us/documents/2011_General_Plan.pdf. Accessed: December 2018.
- . 2013. Ellis Specific Plan. January 22, 2013. Available: https://www.ci.tracy.ca.us/documents/Ellis_Specific_Plan.pdf. Accessed: July 2019.
- . 2016. Tracy Hills Specific Plan. April 5, 2016. Available: https://www.ci.tracy.ca.us/documents/Tracy_Hills_Specific_Plan_April_2016.pdf. Accessed July 2019.

- Diaz, R. 1999. *Impacts of Rail Transit on Property Values*. Mclean, VA: Booz Allen & Hamilton.
- Eberhardt School of Business. 2015. *Regional Analyst, Fall 2015, Vol. 8, No.1. The Long Way Home: Regional Commuting Patterns In & Out of San Joaquin County*. Available: <http://www.sjcog.org/ArchiveCenter/ViewFile/Item/156>. Accessed: July 2019.
- . 2016. *San Joaquin County Forecast Projections*. Available: <http://www.sjcog.org/DocumentCenter/View/1354>. Accessed: December 2018.
- Kolko, J. 2011. *Making the Most of Transit: Density, Employment Growth, and Ridership around New Stations*. February. San Francisco, CA: Public Policy Institute of California.
- San Joaquin County. 1994a. *Mountain House New Community Master Plan*. November 10, 1994. Available: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/Mountain%20House/Master%20Plan/1MPAllChapters.pdf>. Accessed: July 2019.
- . 1994b. *Mountain House New Community Specific Plan I*. November 10, 1994. Available: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/Mountain%20House/Specific%20Plan%20I/1SpecificPlanI-AllChapters.pdf>. Accessed: July 2019.
- . 2005a. *Mountain House New Community Specific Plan II*. February 8, 2015. Available: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/Mountain%20House/Specific%20Plan%20II/SpecificPlanII-AllChapters.pdf>. Accessed: July 2019.
- . 2005b. *Mountain House New Community Specific Plan III*. November 22, 2015. Available: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/Mountain%20House/Specific%20Plan%20III/1SpecificPlanIII-AllChapters.pdf>. Accessed: July 2019.
- Tracy Hills. 2019. *New Home Villages in Tracy*. Available: <http://www.tracyhillslife.com/villages>. Accessed July 2019.
- U.S. Census Bureau. 2017. American FactFinder. Accessed: December 2018.
- Wyatt, Dennis. 2019. River Islands May Build 3,000 Additional Homes. Manteca/ Ripon Bulletin. June 10, 2019. Available: <https://www.mantecabulletin.com/news/local-news/river-islands-may-build-3000-additional-homes/>. Accessed: July 2019.

Section 3.14, Public Services

- Alameda County Fire Department. 2020. *General Information*. Available: <http://www.co.alameda.ca.us/fire/about/index.htm>. Accessed: August 2020.
- Alameda County Sheriff's Office. 2020. *About Alameda County Sheriff's Office*. Available: <https://www.alamedacountysheriff.org/about.php>. Accessed: August 2020.
- California Department of Occupational Safety and Health. 2005. *Guide to Developing Your Workplace Injury and Illness Prevention Program with Checklists for Self-inspection*. CS-1. Revised August 2005. Available: http://www.dir.ca.gov/dosh/dosh_publications/iipp.html. Accessed: March 12, 2019.

- . 2018. *Cal/OSHA – Title 8 Regulations – Index*. Last revised: May 16, 2018. Available: <http://www.dir.ca.gov/title8/index/T8index.asp>. Accessed: March 12, 2019.
- Citygate Associates, LLC. 2017. *Alameda County Fire Department – Standards of Coverage Review. Volume 1 of 3 – Executive Summary*. September 1, 2017. Available: <https://www.acgov.org/fire/documents/Vol1-ACFDSOCReport-ExecutiveSummary.pdf>.
- Division of the State Architect. 2020. Overview Title 24 Building Standards Code as Adopted by the Division of the State Architect webpage. Available: [https://www.dgs.ca.gov/DSA/Resources/Page-Content/Resources-List-Folder/Overview-Title-24-Building-Standards-Code?search=title 24 overview](https://www.dgs.ca.gov/DSA/Resources/Page-Content/Resources-List-Folder/Overview-Title-24-Building-Standards-Code?search=title%20overview). Accessed: August 2020.
- Lathrop Police Department. 2020. *Police* webpage. Available: <https://www.ci.lathrop.ca.us/police>. Accessed: August 2020.
- Lathrop-Manteca Fire District. 2017. 2017 Data – Incident and Training Report. Available: <http://nebula.wsimg.com/372247fccd1e25e96bfb472691692e99?AccessKeyId=1ED1E39597A74FF23EFF&disposition=0&alloworigin=1>.
- Livermore Police Department. No date. *Patrol*. Available: <http://www.cityoflivermore.net/citygov/police/patrol/default.htm>. Accessed: August 2020.
- Livermore-Pleasanton Fire Department. No date. *About Our Department*. Available: <http://www.cityoflivermore.net/citygov/fire/about/default.htm>. Accessed: August 2020.
- Pleasanton Police Department. No date. *Patrol Operations Divisions*. Available: <http://www.cityofpleasantonca.gov/gov/depts/police/patrol/default.asp>. Accessed: August 2020.
- San Joaquin County Fire Department. 2020. *San Joaquin County.org Fire*. Available: <http://www.sanjoaquincounty.org/resources/Fire.html>. Accessed: August 2020.
- San Joaquin County Sheriff's Office. 2020. *Patrol Division*. Available: <https://www.sjgov.org/sheriff/patrol.html>. Accessed: August 2020.
- South San Joaquin County Fire Department. 2020. *Operations*. Available: <http://southcountyfa.org/operations.html>. Accessed: August 2020.
- Tracy Police Department. 2020. *Bureau of Field Operations* webpage. Available: <http://www.ci.tracy.ca.us/?navid=1631>. Accessed: August 2020.

Section 3.15, Recreation

Printed References

- City of Dublin. 2019. *Recreation Areas, Facilities, Schools, & Art*. Available: <http://www.ci.dublin.ca.us/DocumentCenter/View/7062/map?bidId=>. Accessed: February 7, 2019.
- City of Lathrop. 2019. *City of Lathrop Parks Guide*. Available: <https://lathrop.recdesk.com/RecDeskPortal/Portals/287/Lathrop%20Parks%20Guide-Icons.pdf>. Accessed: February 7, 2019.

- City of Livermore. 2004. *City of Livermore General Plan 2003–2025. Open Space and Conservation Element*. February. Available: <http://www.cityoflivermore.net/civicax/filebank/documents/6099>. Accessed: February 11, 2019.
- . 2013. *Livermore Bikeways Map*. Available: <https://evogov.s3.amazonaws.com/134/media/97536.pdf>. Accessed: February 28, 2019.
- . 2019. *Main Map*. Available: <https://www.larpd.org/maps>. Accessed: February 7, 2019.
- City of Pleasanton. 2005. *Pleasanton Plan 2005–2025. Public Facilities and Community Programs Element*. Available: <https://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=23909>. Accessed: February 11, 2019.
- City of Tracy. 2019. *Park Maps*. Available: <https://www.ci.tracy.ca.us/?navid=189>. Accessed: February 7, 2019.
- East Bay Regional Park District (EBRPD). 2018. *Brushy Peak Regional Preserve*. Available: https://www.ebparks.org/parks/brushy_peak/default.htm. Accessed: February 28, 2019.
- National Park Service (NPS). 2019. *Places to Go*. Available: <https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=9f862c19b3374dc8857d39cd9f03fb36>. Accessed: February 28, 2019.
- San Joaquin County Parks and Recreation. 2019. *Mossdale Crossing Regional Park*. Available: <http://www.sjparks.com/parks/mossdale-crossing-regional-park.aspx>. Accessed: February 7, 2019.
- Tri-Valley Partners. 2012. *Tri-Valley Creeks: Arroyo Las Positas Northfront Road*. Available: <https://www.trivalleycreeks.org/spot-details/arroyo-las-positas-at-northfront-road>. Accessed: February 11, 2019.

Personal Communications

- Jones, Zachary. Director of City of Lathrop Department of Parks and Recreation. March 18, 2019—phone call with Caroline Vurlumis, ICF; email to Caroline Vurlumis, ICF.

Section 3.16, Safety and Security

- Alameda County Sheriff's Office of Homeland Security and Emergency Services. 2012. *Alameda County Emergency Operations Plan*. December. Available: <https://www.acgov.org/ready/documents/EmergencyOperationsPlan.pdf>.
- Association of Bay Area Governments. 2010. *Taming Natural Disasters*. Multi-Jurisdictional Local Hazard Mitigation Plan for the San Francisco Bay Area, 2010 Update of 2005 Plan. Available: <https://abag.ca.gov/bayarea/eqmaps/mitigation/The%20Plan%20-%20Chapters-Intro.pdf>.
- California Department of Forestry and Fire Protection. 2007a. *Fire Hazard Severity Zones in SRA (Alameda County)*. Available: http://frap.fire.ca.gov/webdata/maps/alameda/fhszs_map.1.pdf. Adopted by CAL FIRE on November 7, 2007.

- . 2007b. *Fire Hazard Severity Zones in SRA* (San Joaquin County). Available: http://frap.fire.ca.gov/webdata/maps/san_joaquin/California_Fire_Hazard_Severity_Zone_maps/fhszs_map.39.pdf. Adopted by CAL FIRE on November 7, 2007.
- . 2007c. *Draft Fire Hazard Severity Zones in LRA* (San Joaquin County). Available: http://frap.fire.ca.gov/webdata/maps/san_joaquin/fhszl06_1_map.39.pdf.
- . 2008. *Very High Fire Hazard Severity Zones in LRA* (Alameda County). Available: http://frap.fire.ca.gov/webdata/maps/alameda/fhszl_map.1.pdf. Recommended by CAL FIRE in September 2008.
- . 2016. *2016 Wildfire Activity Statistics*. Available: https://calfire.ca.gov/downloads/redbooks/2016_Redbook/2016_Redbook_FINAL.PDF.
- . 2019a. *Fire Hazard Severity Zone Development*. Available: http://calfire.ca.gov/fire_prevention/fire_prevention_wildland_zones_development. Accessed: March 12, 2019.
- . 2019b. Fire Planning Terminology webpage for “S.” Available: http://cdfdata.fire.ca.gov/fire_er/fpp_terminology?filter=S. Accessed: March 11, 2019.
- California Department of Occupational Safety and Health. 2005. *Guide to Developing Your Workplace Injury and Illness Prevention Program with Checklists for Self-inspection*. CS-1. Revised August 2005. Available: http://www.dir.ca.gov/dosh/dosh_publications/iipp.html. Accessed: March 12, 2019.
- . 2018. *Cal/OSHA – Title 8 Regulations – Index*. Last revised: May 16, 2018. Available: <http://www.dir.ca.gov/title8/index/T8index.asp>. Accessed: March 12, 2019.
- California Department of Transportation, Division of Aeronautics. 2011. *California Airport Land Use Planning Handbook*. Available: <http://www.dot.ca.gov/hq/planning/aeronaut/documents/alucp/AirportLandUsePlanningHandbook.pdf>.
- California Governor’s Office of Emergency Services. 2017. *State of California Emergency Plan*. October 1, 2017. Available: https://www.caloes.ca.gov/PlanningPreparednessSite/Documents/California_State_Emergency_Plan_2017.pdf.
- California Public Utilities Commission. 2019. *General Order Index Page*. Available: <http://www.cpuc.ca.gov/generalorders/>. Accessed: March 12, 2019.
- City of Livermore. 2019. Livermore Airport webpage. Available: http://www.cityoflivermore.net/citygov/pw/public_works_divisions/airport/default.htm. Accessed: April 24, 2019.
- Coffman Associates, Inc. 2018a. *Airport Land Use Compatibility Plan Update*. San Joaquin County Aviation System, San Joaquin County, California. Final: July 2009; amended: January 2018.
- . 2018b. *Airport Land Use Compatibility Plan Update for Stockton Metropolitan Airport*. May 2016, amended: February 2018.
- ESA. 2012. *Livermore Municipal Airport: Airport Land Use Compatibility Plan*. August 2012. Prepared for the Alameda County Airport Land Use Commission.

- Federal Aviation Administration. 2016. Caltrans Public Use Airports. Available: https://gis-calema.opendata.arcgis.com/datasets/64d77a43258e46078f7a39135ff83bcd_0?geometry=-161.148%2C31.022%2C-77.520%2C43.234. Accessed: May 2019.
- Liu, Xiang, M. Rapik Saat, and Christopher P. L. Barkan. 2012. Analysis of Causes of Major Train Derailment and Their Effect on Accident Rates. *Transportation Research Record: Journal of the Transportation Research Board, No. 2289*, Transportation Research Board of the National Academies, Washington, D.C., 2012, pp. 154–163, doi: 10.3141/2289-20.
- San Joaquin County Emergency Medical Services Agency. 2018. *Emergency Medical Services Plan 2018 Annual Update*. September 14, 2018. Available: https://ems.ca.gov/wp-content/uploads/sites/71/2018/10/2018_San-Joaquin_EMS-Plan.pdf.
- Union Pacific Railroad, BNSF Railway, Central Oregon and Pacific Railroad, California Department of Forestry and Fire Protection, U.S. Forest Service, and Bureau of Land Management. 1999. *Railroad Fire Prevention Guide*. April 1999. Available: <http://cdfdata.fire.ca.gov/pub/fireplan/fpupload/fppguidepdf100.pdf>.
- U.S. Government Printing Office. 2008. *Federal Rail Safety Improvements*. Public Law 110-432. Available: <http://www.fra.dot.gov/eLib/Details/L03588>. Accessed: March 12, 2019.

Section 3.17, Transportation and Traffic

- Alameda County. 2014. *Alameda County (Unincorporated Areas) Community Climate Action Plan*. Adopted February 4, 2014. Available online: http://www.acgov.org/cda/planning/generalplans/documents/110603_Alameda_CCAP_Final.pdf. Accessed June 28, 2019.
- . 2012. *Complete Streets Policy for One Bay Area Grant, Local Transportation Sales Tax, and Vehicle Registration Fees*. Adopted November 20, 2012. Available online: https://www.acgov.org/sustain/documents/complete_streets_policy.pdf. Accessed June 26, 2019.
- Alameda County Community Development Agency. 2000. *East County Area Plan*. Amended November 2000. Available online: <https://www.acgov.org/cda/planning/generalplans/documents/EastCountyAreaPlancombined.pdf>. Accessed June 28, 2019.
- . (various dates). *Alameda County General Plan*. Available online: <https://www.acgov.org/cda/planning/generalplans/index.htm>. Accessed June 28, 2019.
- Alameda County Transportation Commission. 2019. *Countywide Active Transportation Plan*. June 2019. Available online: <https://www.alamedactc.org/planning/countywide-bicycle-and-pedestrian-plans/>. Accessed June 25, 2019.
- . 2017. *Congestion Management Program*. December 2017. Available online: https://www.alamedactc.org/wp-content/uploads/2018/11/2017_Alameda_County_CMP.pdf?x33781. Accessed June 26, 2019.
- . 2016a. *Alameda County Goods Movement Plan*. February 2016. Available online: <https://www.alamedactc.org/wp->

- content/uploads/2018/11/AlamedaCTC_GoodsMovementPlan_FINAL.pdf?x33781. Accessed June 28, 2019.
- . 2016b. *Alameda Countywide Multimodal Arterial Plan*. October 2016. Available online: https://www.alamedactc.org/wp-content/uploads/2018/11/AlamedaCTC_MultimodalArterialPlan_Oct2016.pdf?x33781. Accessed June 28, 2019.
- . 2016c. *Alameda Countywide Transit Plan*. June 2016. Available online: https://www.alamedactc.org/wp-content/uploads/2018/11/AlamedaCTC_CountywideTransitPlan.pdf?x33781. Accessed June 28, 2019.
- . 2016d. *Alameda Countywide Transportation Plan*. July 2016. Available online: https://www.alamedactc.org/wp-content/uploads/2018/11/Final_AlamedaCTC_2016_CTP.pdf?x33781. Accessed June 28, 2019.
- . 2012. *Complete Streets Policy for One Bay Area Grant, Local Transportation Sales Tax, and Vehicle Registration Fees*. Adopted November 20, 2012. Accessible online: https://www.acgov.org/sustain/documents/complete_streets_policy.pdf. Accessed July 1, 2019.
- California Department of Transportation. 2018. *2018 California State Rail Plan; Connecting California*. Available online: <https://dot.ca.gov/programs/rail-and-mass-transportation/california-state-rail-plan>. Accessed November 20, 2019.
- . 2016. *California Transportation Plan 2040; Integrating California's Transportation Future*. June 2016. Available online: <https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/finalctp2040-report-webready.pdf>. Accessed November 20, 2019.
- City of Dublin. 2017. *City of Dublin General Plan*. Amended November 21, 2017. Available online: <http://www.dublin.ca.gov/DocumentCenter/View/17928>. Accessed June 28, 2019.
- . 2016. *Eastern Dublin Specific Plan*. Updated September 20, 2016. Available online: <https://www.dublin.ca.gov/DocumentCenter/View/7776/EDSP-2016-Update-Full-PDF?bidId=>. Accessed June 28, 2019.
- . 2014. *City of Dublin Bicycle and Pedestrian Master Plan*. Adopted October 7, 2014. Available online: <http://www.dublin.ca.gov/DocumentCenter/View/7738/Bike-and-Ped-Plan-and-Guidelines-1?bidId=>. Accessed June 26, 2019.
- . 2013. *City of Dublin Climate Action Plan Update*. July 2013. Available online: https://www.dublincapupdate.com/wp-content/uploads/2019/03/dublin-climate-action-plan_update_2013.pdf. Accessed June 28, 2019.
- . 2012. *Complete Streets Policy of the City of Dublin*. Adopted December 4, 2012. Available online: <http://www.dublin.ca.gov/DocumentCenter/View/3909/Streets-Policy?bidId=>. Accessed June 26, 2019.
- City of Lathrop. 2015. *South Lathrop Specific Plan*. Adopted July 20, 2015. Available online: http://www.ci.lathrop.ca.us/lathrop/cdd/projects/Pdf/_slsp_files/18-05-2017_17-40-37-310.pdf. Accessed June 28, 2019.

- . 2010. *Lathrop Gateway Business Park Specific Plan*. May 2010. Available online: http://www.ci.lathrop.ca.us/lathrop//cdd/projects/Pdf/_lgbp_files/15-02-2017_16-34-52-258.pdf. Accessed June 28, 2019.
- . 2004. *Comprehensive General Plan for the City of Lathrop, California*. Amended November 9, 2004. Available online: http://www.ci.lathrop.ca.us/lathrop//cdd/projects/Pdf/generalplan_files/11-05-2017_16-31-04-881.pdf. Accessed June 28, 2019.
- . 2002. *West Lathrop Specific Plan*. October 1, 2002. Available online: http://www.ci.lathrop.ca.us/sites/default/files/fileattachments/planning_division/page/5771/west_lathrop_specific_plan_2003.pdf. Accessed June 28, 2019.
- . 1995. *City of Lathrop Bicycle Transportation Plan*. August 9, 1995. Accessible online: http://www.ci.lathrop.ca.us/cdd/documents/pdf/17-06-2013_10-00-49-744_744.pdf. Accessed June 26, 2019.
- City of Livermore. 2018. *Livermore Bicycle, Pedestrian, & Trails Active Transportation Plan*. June 11, 2018. Available online: <http://www.cityoflivermore.net/civicax/filebank/documents/18254>. Accessed June 26, 2019.
- . 2014. *City of Livermore General Plan 2003 – 2025*. Amended December 2014. Available online: <http://www.cityoflivermore.net/citygov/cdd/planning/general.htm>. Accessed June 28, 2019.
- . 2013. *Complete Streets Policy for the City of Livermore*. Adopted January 28, 2013. Available online: http://www.cityoflivermore.net/documents/CompStreetReso_red.pdf. Accessed June 26, 2019.
- . 2012. *Livermore Climate Action Plan*. Adopted November 2012. Available online: <http://www.cityoflivermore.net/civicax/filebank/documents/9789/>. Accessed June 28, 2019.
- City of Pleasanton. 2019. *City of Pleasanton Trails Master Plan*. May 7, 2019. Available online: <http://admin.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=33796>. Accessed June 26, 2019.
- . 2018. *City of Pleasanton Bicycle & Pedestrian Master Plan*. Available online: <http://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=32630>. Accessed June 26, 2019.
- . 2015. *Pleasanton General Plan 2005 – 2025*. Amended January 6, 2015. Available online: <http://www.cityofpleasantonca.gov/gov/depts/cd/planning/general.asp>. Accessed June 28, 2019.
- . 2012. *Complete Streets Policy*. December 2012. Available online: <http://admin.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=23840>. Accessed June 26, 2019.
- . 1989. *Stoneridge Drive Specific Plan*. Adopted October 3, 1989. Available online: <http://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=23828>. Accessed June 28, 2019.

- . (no date). *Climate Action Plan*. Available online: <http://www.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=24757>. Accessed June 28, 2019.
- City of Tracy. 2018. *Tracy Residential Areas Specific Plan*. Updated September 2018. Available online: https://www.ci.tracy.ca.us/documents/Residential_Areas_Specific_Plan.pdf. Accessed June 28, 2019.
- . 2012a. *Citywide Roadway & Transportation Master Plan*. November 2012. Available online: <https://www.ci.tracy.ca.us/?navid=2101>. Accessed June 26, 2019.
- . 2012b. *Northeast Industrial Specific Plan*. July 17, 2012. Available online: https://www.ci.tracy.ca.us/documents/Northeast_Industrial_Specific_Plan.pdf. Accessed June 28, 2019.
- . 2011a. *City of Tracy General Plan*. February 1, 2011. Available online: <https://www.ci.tracy.ca.us/?navid=565>. Accessed June 28, 2019.
- . 2011b. *Sustainability Action Plan*. February 1, 2011. Available online: https://www.ci.tracy.ca.us/documents/Sustainability_Action_Plan.pdf. Accessed June 28, 2019.
- . 2009. *City of Tracy Short-Range Transit Plan*. December 2009. Available online: https://www.ci.tracy.ca.us/documents/Tracy_Short_Range_Transit_Plan.pdf. Accessed June 26, 2019.
- . 2005. *City of Tracy Bikeways Master Plan*. April 2005. Available online: https://www.ci.tracy.ca.us/documents/Bikeways_Master_Plan.pdf. Accessed June 26, 2019.
- . 1988. *Tracy Industrial Areas Specific Plan*. June 1988. Available online: https://www.ci.tracy.ca.us/documents/Industrial_Areas_Specific_Plan.pdf. Accessed June 28, 2019.
- Federal Highway Administration. 2012. *Manual on Uniform Traffic Control Devices*. 2009 Edition; including Revision 1 (May 2012) and Revision 2 (May 2012). Available online: <https://mutcd.fhwa.dot.gov/pdfs/2009r1r2/mutcd2009r1r2edition.pdf>. Accessed July 1, 2019.
- Federal Railroad Administration. 2019. "Grade Crossing Inventory and General Trespassing Statistics." Current through end of April 30, 2019. Available online: <https://safetydata.fra.dot.gov/OfficeofSafety/publicsite/query/AccidentByRegionStateCounty.aspx>. Accessed June 21, 2019.
- . 2010. *National Rail Plan; Moving Forward; A Progress Report*. September 2010. Available online: <https://www.fra.dot.gov/Elib/Document/1336>. Accessed July 1, 2019.
- Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018. Available online: http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf. Accessed August 8, 2019.
- Livermore Amador Valley Transit Authority. 2016. *Short Range Transit Plan: FY 2016 - 2025*. April 2016. Available online: <https://www.wheelsbus.com/wp-content/uploads/2015/08/FINAL-SRTP.pdf>. Accessed June 26, 2019.

- . 2012. *Wheels Strategic Plan Framework (FY14)*. Adopted December 3, 2012. Accessed June 26, 2019.
- . 2006. *Wheels Strategic Plan*. January 2006. Available online: https://www.wheelsbus.com/wp-content/uploads/2015/09/2006_WHEELS_Strategic_Plan.pdf. Accessed June 26, 2019.
- Metropolitan Transportation Commission. 2018. *Coordinated Public Transit - Human Services Transportation Plan*. February 2018. Available online: https://mtc.ca.gov/sites/default/files/MTC_Coordinated_Plan.pdf. Accessed June 28, 2019.
- . 2017. *Plan Bay Area 2040*. Adopted July 26, 2017. Available online: https://mtc.ca.gov/sites/default/files/Final_Plan_Bay_Area_2040.pdf. Accessed June 28, 2019.
- . 2007. *San Francisco Bay Area Regional Rail Plan*. September 2007. Available online: <https://mtc.ca.gov/our-work/plans-projects/other-plans/regional-rail-plan>. Accessed June 28, 2019.
- San Francisco Bay Area Rapid Transit District. 2018. *FY19 Short Range Transit Plan and Capital Improvement Program*. October 2018. Available online: <https://www.bart.gov/sites/default/files/docs/FINAL%20FY19%20SRTP%20CIP.pdf>. Accessed June 28, 2019.
- . 2016. *BART Station Access Policy*. Adopted June 9, 2016. Available online: <https://www.bart.gov/sites/default/files/docs/BART%20Access%20Policy%20-%20Adopted%202016-06-09%20Final%20Adopted.pdf>. Accessed June 28, 2019.
- . 2015. *BART Strategic Plan Framework*. Adopted October 22, 2015. Available online: <https://www.bart.gov/sites/default/files/docs/Adopted%20Strategic%20Plan%2020151022.pdf>. Accessed June 28, 2019.
- San Joaquin Council of Governments. 2018a. *2018 Regional Transportation Plan / Sustainable Communities Strategy*. Available online: <https://www.sjcog.org/DocumentCenter/View/4156/Final-Compiled-RTPSCS-2018>. Accessed June 26, 2019.
- . 2018b. *San Joaquin County Regional Congestion Management Program: 2018 Update*. Adopted April 2018. Available online: <http://www.sjcog.org/DocumentCenter/View/4260/-2018-Adopted-RCMP-PDF>. Accessed June 26, 2019.
- . 2015. *Regional Transit Systems Plan*. Adopted November 17, 2016. Available online: <https://www.sjcog.org/DocumentCenter/View/1183>. Accessed June 25, 2019.
- . 2012. *Regional Bicycle, Pedestrian, and Safe Routes to School Master Plan*. Adopted September 2012. Available online: <https://www.sjcog.org/DocumentCenter/View/61>. Accessed June 25, 2019.
- . 2010a. *San Joaquin County Regional Blueprint*. January 28, 2010. Available online: <https://www.sjcog.org/DocumentCenter/View/46/San-Joaquin-County-Regional-Blueprint-March-2010>. Accessed June 26, 2019.
- . 2010b. *Travel Demand Management Plan*. Available online: <https://www.sjcog.org/DocumentCenter/View/439/Regional-TDM-Plan-2010>. Accessed June 26, 2019.

- . 2007. *Park-and-Ride Lot Master Plan*. October 31, 2007. Available online: <https://www.sjcog.org/DocumentCenter/View/460/SJC-Park-and-Ride-Master-Plan---October-2007>. Accessed June 26, 2019.
- San Joaquin Council of Governments; Sacramento Area Council of Governments. 2015. *Interregional Transportation Demand Management Action Plan*. April 2015. Available online: <https://www.sjcog.org/DocumentCenter/View/958/Interregional-TDM-Action-Plan-Final-Report---April-2015>. Accessed June 26, 2019.
- San Joaquin County Community Development Department. *San Joaquin County General Plan*. December 2016. Available online: <https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/General%20Plan%202035/GENERAL%20PLAN%202035.pdf>. Accessed June 28, 2019.
- San Joaquin County Coordinated Transportation Plan Working Group; San Joaquin Regional Transit District. 2012. *San Joaquin County Coordinated Transportation Plan*. September 18, 2007; updated February 17, 2012. Available online: <http://sanjoaquinrtd.com/sjcctp/assets/PDFs/20120221-SJCCTP.pdf>. Accessed June 26, 2019.
- San Joaquin Joint Powers Authority. 2019. *2019 Business Plan Update*. Available online: <https://sjjpa.com/wp-content/uploads/Final-2019-SJJPA-Bus-Plan-Update-1.pdf>. Accessed June 26, 2019.
- San Joaquin Regional Rail Commission. 2019. *2019/2020 Work Program & Budget*. Available online: [http://www.acerail.com/getattachment/About/Board/Work-Program-20192020-FINAL-\(1\).pdf?lang=en-US](http://www.acerail.com/getattachment/About/Board/Work-Program-20192020-FINAL-(1).pdf?lang=en-US). Accessed June 26, 2019.
- . 2012. *FY2012 – FY2021 Short Range Transit Plan*. Adopted November 2, 2012. Available online: <https://www.acerail.com/getdoc/56f22ae9-4619-42e1-8c35-a58e555f7eb0/default>. Accessed June 28, 2019.
- San Joaquin Regional Transit District. 2019. *San Joaquin Regional Transit District Short Range Transit Plan: Fiscal Years 2018/19 – 2027/28*. January 30, 2019. Available online: http://sanjoaquinrtd.com/wp-content/uploads/2019/02/SRTP-2018-Update_FINAL.pdf. Accessed June 26, 2019.

Section 3.18, Utilities and Service Systems

Printed References

- Alameda County. 2017. Alameda County Integrated Waste Management Plan, Countywide Element. Last amended March 22, 2017.
- California Water Service (Cal Water). 2016. 2015 Urban Water Management Plan, Livermore District. June 2016. Available: [https://www.calwater.com/docs/uwmp2015/liv/2015_Urban_Water_Management_Plan_Final_\(LIV\).pdf](https://www.calwater.com/docs/uwmp2015/liv/2015_Urban_Water_Management_Plan_Final_(LIV).pdf).
- California Department of Resources Recycling and Recovery (CalRecycle). 2019a. SWIS Facility Detail: Foothill Sanitary Landfill (39-AA-004). Available: <https://www2.calrecycle.ca.gov/swfacilities/Directory/39-AA-0004>. Accessed: March 6, 2019.

- . 2019b. SWIS Facility Detail: Lovelace Transfer Station (39-AA-0008). Available: <https://www2.calrecycle.ca.gov/swfacilities/Directory/39-AA-0008/>. Accessed: March 6, 2019.
- . 2019c. SWIS Facility Detail: North County Landfill & Recycling Center (39-AA-0022). Available: <https://www2.calrecycle.ca.gov/swfacilities/Directory/39-AA-0022/>. Accessed: March 6, 2019.
- . 2019d. SWIS Facility Detail: Pleasanton Garbage Service SW TS (01-AA-0003). Available: <https://www2.calrecycle.ca.gov/swfacilities/Directory/01-AA-0003/>. Accessed: March 6, 2019.
- . 2019e. SWIS Facility Detail: Vasco Road Sanitary Landfill (01-AA-0010). Available: <https://www2.calrecycle.ca.gov/swfacilities/Directory/01-AA-0010/>. Accessed: March 6, 2019.
- City of Dublin. 2016. City of Dublin General Plan, Land Use and Circulation: Schools, Public Lands, and Utilities Element. Available: <https://www.dublin.ca.gov/DocumentCenter/View/7798/Chapter-4-March-2016?bidId=> Accessed July 1, 2019.
- . 2019. Solid Waste & Recycling webpage. Available: <http://www.ci.dublin.ca.us/224/Solid-Waste-Recycling>. Accessed: July 1, 2019.
- City of Lathrop. 2017. 2015 Urban Water Management Plan for the City of Lathrop. October 2017. Available: http://www.ci.lathrop.ca.us/lathrop/pwd/pdf/Lathrop2015UWMP-Final_20171003.pdf.
- . 2018. Sewer System Management Plan. March 2018. Available: http://www.ci.lathrop.ca.us/lathrop/pwd/pdf/Lathrop_SSMP_2018.03.05.pdf.
- . 2019. New Residents webpage. Available: <http://www.ci.lathrop.ca.us/residents/new-residents.aspx>. Accessed: March 6, 2019.
- City of Livermore. 2014. *Sewer System Management Plan*. Livermore, CA.
- City of Manteca. 2007. WQCF Master Plan. January 2007. Available: <https://www.ci.manteca.ca.us/pwt/Documents/WQCF%20Master%20Plan%20Update%20January%202007.pdf>.
- City of Pleasanton. 2016. 2015 Urban Water Management Plan. June 2016. Available: <http://admin.cityofpleasantonca.gov/civicax/filebank/blobdload.aspx?BlobID=28207>.
- City of Pleasanton. 2018. Sewer System Management Plan. Last updated July 2018.
- City of Tracy. 2012. *Tracy Wastewater Master Plan*. Tracy, CA. Prepared by CH2MHill.
- . 2016. 2015 Urban Water Management Plan. July 2016. Available: https://www.ci.tracy.ca.us/documents/2015_Urban_Water_Managment_Plan.pdf.
- . 2019. Waste & Recycling webpage. Available: <https://www.ci.tracy.ca.us/?navId=85>. Accessed: March 6, 2019.
- Dublin San Ramon Services District (DSRSD). 2016. Final 2015 Urban Water Management Plan. June. Available at: <https://www.dsrdsd.com/home/showdocument?id=2890>.

- . 2019. Fact Sheet. Available at: <http://www.dsrtd.com/home/showdocument?id=811>. Accessed: March 6, 2019.
- East Bay Community Energy (EBCE). 2019a. How It Works webpage. Available: <https://ebce.org/overview/>. Accessed November 13, 2019.
- . 2019b. Power Projects webpage. Available: <https://ebce.org/power-projects/>. Accessed November 13, 2019.
- Livermore-Amador Valley Water Management Agency (LAVWMA). 2019. Facilities webpage. Available: http://lavwma.com/facilities_lavwmaSystem.php. Accessed: March 6, 2019.
- Livermore Sanitation Inc. 2019. Rural Addresses List. Available: <https://www.livermoresanitation.com/wp-content/uploads/2015/12/Rural.doc.pdf>. Accessed: June 6, 2019.
- San Joaquin Regional Rail Commission (SJRRRC). 2017. *ACEforward Draft Environmental Impact Report*. May.
- Pacific Gas and Electric Company (PG&E). 2014a. Electric Service Area Maps. Filed November 17, 2014, effective December 17, 2014. Available: https://www.pge.com/tariffs/tm2/pdf/ELEC_MAPS_Service_Area_Map.pdf.
- . 2014b. Gas Service Area Maps. Filed November 17, 2014, effective December 17, 2014. Available: https://www.pge.com/tariffs/tm2/pdf/GAS_MAPS_Service_Area_Map.pdf.
- Tracy Delta Solid Waste Management Inc. 2019. Home page. Available: <https://www.tdswm.com/>. Accessed: June 6, 2019.

Personal Communications

- Hall, Michael. Senior Engineer, LTK Engineering Services. Comments on Utilities Section for LTK Engineering. June 7, 2020.

Chapter 4, Other CEQA-Required Analysis

Printed References

- ABAG (Association of Bay Area Governments). 2018. *Plan Bay Area Projections 2040*. November.
- ABAG (Association of Bay Area Governments) and Metropolitan Transportation Commission (MTC). 2019. Plan Bay Area 2040 Final Project Database. Available: <http://projects.planbayarea.org/explore/explore.map>. Accessed: February 2019.
- ACE. 2018. ACE Extension Lathrop to Ceres/Merced. Available: <http://www.acerail.com/About/Projects-Initiatives/Current/ACE-Extension-Lathrop-to-Ceres-Merced/Draft-Environmental-Impact-Report>. Accessed: March 2019.
- American Railroad Engineering and Maintenance-of-Way Association. 2019. Manual for Railway Engineering. Available: https://www.arena.org/AREMA_MBRR/AREMA_MBRR/AREMAStore/MRE.aspx.

- Barlock, V. E. 1989. Sedimentology of the Livermore Gravels (Miocene-Pleistocene), southern Livermore Valley, California. (U.S. Geological Survey Open-File Report 89-131.) Available: <https://pubs.er.usgs.gov/publication/ofr89131>. Accessed: September 29, 2016.
- Bartow, J. A. 1985. Revisions in the Tertiary Stratigraphy of the East Flank of the Diablo Range, Central California. *U.S. Geological Survey Bulletin*. (U.S. Geological Survey Bulletin 1605-A.) pp. A1–A6. Available: <http://pubs.usgs.gov/bul/1605a/report.pdf>. Accessed: March 1, 2016.
- Broucek, J. 2014. Effect of noise on performance, stress, and behavior of animals. *Slovak J. Anim. Scie* 47(2):111-123. Available: http://www.cvzv.sk/slju/14_2/8_Broucek.pdf. Accessed: April 19, 2019.
- California Department of Conservation. 2016a. FMMP GIS data. Available: <ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/2016/>.
- . 2016b. Alameda County 2014-2016 Land Use Conversion. Available: https://www.conservation.ca.gov/dlrp/fmmp/Documents/fmmp/pubs/2014-2016/conversion_tables/alacon16.xls. Accessed: February 1, 2019.
- California Department of Finance. 2018. P-1: Total Estimated and Projected Population for California and Counties: July 1, 2010 to July 1, 2060 in 1-year Increments. Available: <http://www.dof.ca.gov/Forecasting/Demographics/Projections/>. Accessed: December 2018.
- California Department of Transportation. 2014. California Freight Mobility Plan. Available: http://www.dot.ca.gov/hq/tpp/offices/ogm/CFMP/Dec2014/CFMP_010815.pdf#zoom=7. Accessed: March 2019.
- California Department of Water Resources (DWR). 2017. Basin-Wide Feasibility Study, San Joaquin Basin, Draft. Central Valley Flood Protection Plan. Available: <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Flood-Management/Flood-Planning-and-Studies/Files/Draft-San-Joaquin-River-Basin-wide-Feasibility-Study.pdf>. Accessed July 24, 2019.
- California High Speed Rail Authority. 2005. Final Environmental Impact Report/Environmental Impact Statement for the Proposed California High-Speed Train System. Available: http://www.hsr.ca.gov/Programs/Environmental_Planning/EIR_EIS/index.html. Accessed: March 2019.
- California Transportation Commission. 2019. California Freight Investment Program (CFIP). Available: <http://www.catc.ca.gov/programs/cfip/>. Accessed: March 2019.
- Cal/OSHA (California Division of Occupational Safety and Health). 2005. *Guide to Developing Your Workplace Injury and Illness Prevention Program with Checklists for Self-Inspection*. Last revised: August 2005. Available: http://www.dir.ca.gov/dosh/dosh_publications/iipp.html. Accessed: December 27, 2018.
- City of Dublin. 2019. Development Projects. Available: <https://dublin-development.icitywork.com/>. Accessed: March 2019.
- City of Lathrop. 2002. West Lathrop Specific Plan. Available: http://www.ci.lathrop.ca.us/lathrop//cdd/projects/Pdf/_wlspl_files/16-03-2017_09-28-49-934.pdf. Accessed: March 2019.

- . 2010. Lathrop Gateway Business Park. Available:
<http://www.ci.lathrop.ca.us/pdf/ConsolidatedCopy.pdf> . Accessed: March 2019.
- . 2015. South Lathrop Specific Plan. Available: Accessed: March 2019. Available:
http://www.ci.lathrop.ca.us/lathrop/cdd/projects/Pdf/_slsp_files/18-05-2017_17-40-37-310.pdf. Accessed: March 2019.
- City of Livermore. 2004. *City of Livermore General Plan 2003-2025*. February. Available:
<http://www.cityoflivermore.net/citygov/cdd/planning/general.htm>. Accessed: April 22, 2019.
- . 2019. Summary of Major Development Projects. Available:
<http://www.cityoflivermore.net/civicax/filebank/documents/14452/>. Accessed: March 2019.
- . 2020. 2020. Isabel Neighborhood Specific Plan. Public Review Draft. June. Available:
<http://www.cityoflivermore.net/civicax/filebank/blobdload.aspx?t=59096.66&BlobID=21141>.
Accessed: July 2020. City of Tracy. 2009. Downtown Specific Plan. Available:
https://www.ci.tracy.ca.us/documents/Downtown_Specific_Plan_Draft_March_2009.pdf.
Accessed: March 2019.
- City of Tracy. 2011. *City of Tracy General Plan*. Available: https://www.ci.tracy.ca.us/documents/2011_General_Plan.pdf. Accessed: April 22, 2019.
- . 2012. Northeast Industrial Specific Plan. Available:
https://www.ci.tracy.ca.us/documents/Northeast_Industrial_Specific_Plan.pdf. Accessed: March 2019.
- . 2013. Cordes Ranch Specific Plan. Available:
https://www.ci.tracy.ca.us/documents/CR_Specific_Plan.pdf. Accessed: March 2019.
- County of Alameda. 1973. Open Space Element of the General Plan: County of Alameda, State of California. Available:
<https://www.acgov.org/cda/planning/generalplans/documents/Open%20Space%20Element%201994.pdf>. Accessed: March 2019.
- . 1994. East County Area Plan. Adopted May 5, 1994. Available:
<https://www.acgov.org/cda/planning/generalplans/documents/EastCountyAreaPlancombined.pdf>. Accessed: April 22, 2019.
- . 2016. Williamson Act GIS data. Alameda County Assessor.
- County of San Joaquin. 2014. Williamson Act GIS data. San Joaquin County Assessor.
- . 2016. *San Joaquin County General Plan*. December. Available:
<https://www.sjgov.org/commdev/cgi-bin/cdyn.exe/file/Planning/General%20Plan%202035/GENERAL%20PLAN%202035.pdf>.
Accessed: April 22, 2019.
- Delta Stewardship Council. 2013. The Delta Plan. Available:
http://deltacouncil.ca.gov/sites/default/files/documents/files/DeltaPlan_2013_CHAPTERS_CO MBINED.pdf. Accessed: March 2019

- Eberhardt School of Business. 2016. San Joaquin County Forecast Projections. Available: <http://www.sjcog.org/DocumentCenter/View/1354>. Accessed: December 2018.
- International Code Council, 2017. Guide To the 2016 California Green Building Standards Code. Access July 21, 2019 from https://www.green-technology.org/images/2019_CALGreen.pdf.
- Marchand, D. E. and A. Allwardt. 1981. *Late Cenozoic Stratigraphic Units, Northeastern San Joaquin Valley, California*. (Geological Survey Bulletin 1470.) U. S. Department of the Interior. Available: <http://pubs.usgs.gov/bul/1470/report.pdf>. Accessed: February 4, 2016.
- Mitchell Air Quality Consulting. 2018. Health Risk Assessment Report Phelan Gateway Project. Available: http://www.ci.lathrop.ca.us/lathrop//cdd/projects/Pdf/_lgbp_files/13-12-2018_16-53-52-928.pdf. Accessed: March 2019.
- MTC (Metropolitan Transportation Commission). 2009. Transportation 2035 Plan for the San Francisco Bay Area, Appendix 1. Available: <https://mtc.ca.gov/our-work/plans-projects/plan-bay-area-2040/transportation-2035>. Accessed March 2019.
- MTC (Metropolitan Transportation Commission) and Association of Bay Area Governments (ABAG). 2017. Association of Bay Area Governments Plan Bay Area 2040. July. Available: http://2040.planbayarea.org/cdn/farfuture/u_7TKELkH2s3AAiOhCyh9Q9QIWEZIdYcjzi2QDCZuIs/1510696833/sites/default/files/2017-11/Final_Plan_Bay_Area_2040.pdf Accessed: February 2019.
- San Joaquin County Office of Emergency Services. 2019. Emergency Operations Plan FINAL - April 23, 2019. Available online: <https://www.sjgov.org/uploadedfiles/sjc/departments/oes/content/docs/plans/sjc%20emergency%20operations%20plan.pdf>. Accessed June 2019.
- San Joaquin Regional Rail Commission. 2018. Valley Rail. Available: https://sjjpa.com/wp-content/uploads/SJJPA_Valley-Rail_TIRCP-Fact-Sheet.pdf. Accessed: March 2019.
- Schierer, A. H. and L. B. Magoon. 2007. Age, Distribution, and Stratigraphic Relationship of Rock Units in the San Joaquin Basin Province, California. In A.H. Schierer, ed., *Petroleum Systems and Geologic Assessment of Oil and Gas in the San Joaquin Basin Province, California*. (U.S.G.S. Professional Paper 1713.) Available: <http://pubs.usgs.gov/pp/pp1713/>. Accessed: February 5, 2016.
- SJCOG (San Joaquin Council of Governments). 2018. 2018 Regional Transportation Plan/Sustainable Communities Strategy. Adopted June 2018. Available: <https://www.sjcog.org/278/Adopted-2018-RTPSCS>. Accessed: February 2019.
- . 2019. Congested Corridors Plan. Preliminary Draft. November. Available: <https://www.sierraclub.org/sites/www.sierraclub.org/files/sce-authors/u14441/congestion%20management%20plan.pdf>. Accessed: August 2020.
- Society of Vertebrate Paleontology. 2010. Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources. Available: http://vertpaleo.org/Membership/Member-Ethics/SVP_Impact_Mitigation_Guidelines.aspx. Accessed: July 25, 2019.

- University of California Museum of Paleontology. 2018a. Modesto Formation. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018b. Livermore Gravels. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018c. Tassajara Formation. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018d. San Pablo Group. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018e. Fanglomerate. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2018f. Panoche Formation. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: December 18, 2018.
- . 2019. Vertebrate fossils in Alameda County. Available: <https://ucmpdb.berkeley.edu/advanced.html>. Accessed: January 29, 2019.
- VTA (Valley Transportation Authority). What is VTA's BART Silicon Valley Extension Project? Available: <https://www.vta.org/faq/what-vtas-bart-silicon-valley-extension-project#:~:text=VTA's%20BART%20Silicon%20Valley%20Extension%20Project%20is%20managed%20by%20VTA,open%20for%20service%20in%202020>. Accessed: July 2020.
- Wagner, D.L., Bortugno, E.J., and McJunkin, R.D. 1991. Geologic Map of the San Francisco-San Jose Quadrangle, California, 1:250,000. Available: ftp://ftp.consrv.ca.gov/pub/dmg/pubs/rgm/RGM_005A/RGM_005A_SanFranciscoSanJose_1991_Sheet1of5.pdf. Accessed: July 25, 2019.

Personal Communications

- Baker, Jeff. Community Development Director, City of Dublin. January 31, 2019—Email to Caroline Vurlumis, Environmental Planner, ICF.
- Campbell, Megan. Associate Planner, City of Pleasanton Community Development Department. February 12, 2019 and May 7, 2019—Email to Caroline Vurlumis, Environmental Planner, ICF.
- Lipich, Kenny. Assistant Planner, City of Tracy. February 12, 2019—Call with Caroline Vurlumis, Environmental Planner, ICF.
- McBride, Ashley. Assistant Planner, City of Livermore Community Development Department. February 14, 2019—Email to Caroline Vurlumis, Environmental Planner, ICF.
- Meissner, Mark. Director, City of Lathrop Community Development Department. February 4, 2019—Email to Caroline Vurlumis, Environmental Planner, ICF.
- Stowers, Stephanie. Senior Planner, San Joaquin County Community Development Department. April 8, 2019 and May 1, 2019—Email to Caroline Vurlumis, Environmental Planner, ICF.

Chapter 5, Alternatives

- AECOM. 2019. Valley Link Alternatives Technical Memorandum. Addressed to Michael Tree, TVSJVRRA. From Justin Fox and Raymond Lo. March 20, 2019.
- California Department of Fish and Wildlife. 2019. *California Natural Diversity Database*. Query of Altamont, Byron Hot Springs, Clifton Court Forebay, Dublin, Lathrop, Livermore, Manteca, Midway, Stockton East, Stockton West, Tracy, Union Island, and Vernalis quadrangles. Available: <<https://www.wildlife.ca.gov/Data/CNDDDB/Maps-and-Data>>. Accessed: January 23, 2019.
- Fire Protection Research Foundation. 2011. Lithium-Ion Batteries Hazard and Use Assessment, Final Report. Available at https://www.prba.org/wp-content/uploads/Exponent_Report_for_NFPA_-_20111.pdf. Accessed July 24, 2019.
- National Safety Council. 2020. Deaths by Transportation Mode, 2007-2018. Available: <https://injuryfacts.nsc.org/home-and-community/safety-topics/deaths-by-transportation-mode/>. Accessed July 15, 2020.
- San Joaquin Council of Governments. 2018. *2018 Regional Transportation Plan and Sustainable Communities Strategy*. June. Available: <http://www.sjcog.org/DocumentCenter/View/4156/Final-Compiled-RTPSCS-2018>. Accessed: February 2019.
- . 2019. Congested Corridors Plan. Preliminary Draft. November. Available: <https://www.sierraclub.org/sites/www.sierraclub.org/files/sce-authors/u14441/congestion%20management%20plan.pdf>. Accessed: August 2020.
- State of California Department of Conservation. 2016. California Important Farmland Finder. Available at <https://maps.conservation.ca.gov/DLRP/CIFF/>. Accessed July 24, 2019.
- State of California Department of Water Resources. No Date. Best Available Maps (BAM) Floodplain GIS Viewer. Available at <http://gis.bam.water.ca.gov/bam/>. Accessed July 24, 2019.
- United States Department of Transportation. 2018. 2018 National Transportation Statistics. Available at <https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsntire2018q3.pdf>. Accessed July 26, 2019.
- United States Department of Transportation and Federal Railroad Administration. 2014. Best Practices and Strategies for Improving Rail Energy Efficiency. Available at: https://rosap.ntl.bts.gov/view/dot/12012/dot_12012_DS1.pdf. Accessed July 26, 2019.
- USFWS. 2019. National Wetlands Inventory Wetlands Mapper. Available at <https://www.fws.gov/wetlands/data/Mapper.html>. Accessed July 24, 2019.
- Xalt Energy. 2019. “New York City adds to its zero-emission fleet with an award to New Flyer for 15 low floor 60-foot Xcelsior CHARGE battery-electric transit buses.” Available at <https://www.xaltenergy.com/2019/03/29/new-york-city-adds-to-its-zero-emission-fleet-with-an-award-to-new-flyer-for-15-low-floor-60-foot-xcelsior-charge-battery-electric-transit-buses/>. Accessed July 24, 2019.

Xcelsior. 2017. New Flyer. Available at <https://www.newflyer.com/site-content/uploads/2017/09/729-NFL-Xcelsior-Final.pdf> . Accessed July 24, 2019.