
MITIGATION MONITORING AND REPORTING PROGRAM

This Mitigation Monitoring and Reporting Program (MMRP) is formulated based on the findings of the IS/MND. The MMRP lists mitigation measures prescribed in the IS/MND prepared for the Las Trampas Creek Bridge at South Main Street Replacement Project and identifies mitigation monitoring requirements.

This MMRP has been prepared to comply with the requirements of State law (PRC Section 21081.6). State law requires the Lead Agency to adopt an MMRP when mitigation measures are required to avoid significant impacts. The MMRP is intended to ensure compliance with the mitigation measures identified in the IS/MND during implementation of the project.

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Mitigation/ Compliance Measure	Avoidance and Minimization Measure	Timing	Implementing Party	Monitoring Party	Frequency and Duration of Monitoring	Performance Criteria
Mitigation Measure AIR-1	<p>Basic Construction Mitigation Measures. Consistent with the Basic Construction Mitigation Measures required by the Bay Area Air Quality Management District (BAAQMD), the City of Walnut Creek (City) shall incorporate the following actions into construction contracts and specifications for the project:</p> <ul style="list-style-type: none"> • All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. • All haul trucks transporting soil, sand, or other loose material off-site shall be covered. • All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. • All vehicle speeds on unpaved roads shall be limited to 15 miles per hour. • All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used. • Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points. 	<p>During construction</p>	<p>City of Walnut Creek</p>	<p>City of Walnut Creek</p>	<p>During construction</p>	<p>Compliance with applicable BAAQMD Mitigation Measures</p>

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	<ul style="list-style-type: none"> • All construction equipment shall be maintained and properly tuned in accordance with manufacturer’s specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. • Post a publicly visible sign with the telephone number and person to contact at the City regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District’s phone number shall also be visible to ensure compliance with applicable regulations. 					
Mitigation Measure BIO-1	<p>Pre-Construction Surveys for the Western Pond Turtle. A qualified biologist shall conduct a pre-construction survey for western pond turtles on the first working day immediately prior to the start of work to ensure that no individuals are present. On all subsequent days prior to the start of work, a designated construction monitor, trained by the qualified biologist, shall inspect the work area for western pond turtles. If a western pond turtle is observed in the immediate work area in these instances, no work shall commence along the bank until the turtle has moved out of harm’s way or the qualified biologist has arrived at the site and relocated the turtle.</p>	Prior to and during construction	Qualified Biologist	City of Walnut Creek	Prior to and during construction	Completion of pre-construction surveys for western pond turtles; implement protocol to halt work if turtles are observed

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Mitigation Measure BIO-2	Nesting Bird Protection Measure. If construction is to be conducted during the nesting season (February 15–August 31), a qualified biologist shall conduct a pre-construction survey for nesting birds on the first day of work immediately prior to the start of construction activities to ensure that no individuals are present. If a nest is found, the biologist conducting the pre-construction survey shall determine an appropriate buffer (typically 50 to 100 feet) based on nest site characteristics and the acclimation of the nesting birds to disturbance.	Prior to and during construction	Qualified Biologist	City of Walnut Creek	During construction during the nesting season from February 15 through August 31	Successful pre-construction surveys for nesting birds; avoidance of impacts to any discovered nesting sites
Mitigation Measure BIO-3	Qualified Biologist/Biological Monitor. Prior to initial ground disturbance, the Construction Manager or the Contractor shall hire a qualified biologist. The qualified biologist shall be present at the work site until all ground-disturbing activities in all portions of the project site have been completed and workers have received environmental training. At that time, the Construction Manager or the Contractor shall designate a monitor who shall ensure on-site compliance with all avoidance and minimization efforts when the qualified biologist is not on site. The qualified biologist shall ensure the monitor is familiar with the avoidance and minimization efforts and able to identify all the special-status species of potential occurrence in the Biological Study Area (BSA). The monitor and the qualified biologist shall have the authority to halt any action that might result in impacts that exceed the levels anticipated by the United States Fish and Wildlife Service (USFWS) and the California Department of Fish and Wildlife (CDFW) at any point during construction. If work is stopped,	During ground-disturbing activities	Construction Manager, Construction Contractor, Qualified Biologist	City of Walnut Creek	During ground-disturbing activities	Successful monitoring and implementation of avoidance measures for special-status species

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	either the qualified biologist or the on-site monitor shall immediately notify the California Department of Transportation (Caltrans) and the City of Walnut Creek. If a federally listed species is found in the work area during construction and a Biological Opinion has not been issued for the proposed project, then the qualified biologist must stop work and immediately notify Caltrans. Caltrans shall then consult with the USFWS or National Marine Fisheries Service (NMFS) and shall then advise the Construction Contractor on how to proceed. Likewise, should a State-listed species be found in the work area for which no incidental take permit has been issued, the City of Walnut Creek’s (City) Project Manager shall then consult with CDFW and shall advise the Construction Contractor on how to proceed.					
Mitigation Measure BIO-4	<p>Environmental Study Area Fencing. Prior to the start of and during construction, the Contractor shall implement the following measure:</p> <ul style="list-style-type: none"> • Prior to construction activities, the qualified biologist shall identify the locations for the placement of Environmentally Sensitive Area (ESA) fencing to protect jurisdictional areas adjacent to the construction area and to delineate a projection zone beyond which construction activities are prohibited. The Construction Contractor, with the assistance of the qualified biologist, shall install the ESA fencing, where feasible, prior to construction activities. The qualified biologist shall verify the correct placement and installation of the ESA fences before work begins in the area. 	Prior to construction	Construction Contractor, Qualified Biologist	City of Walnut Creek	Prior to construction	Installation of ESA fencing Prior to construction activities

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Mitigation Measure BIO-5	<p>Worker Awareness Training. Prior to the start of and during construction, the contractor shall implement the following measure:</p> <ul style="list-style-type: none"> Prior to initial ground disturbance, the qualified biologist shall conduct an environmental training session for all construction and maintenance personnel. At a minimum, the training shall include a description of the special-status species that may occur at the project site, their habitat requirements, and the measures being implemented to avoid and minimize impacts to these species. The environmental training shall include a discussion of the boundaries behind which the workers and equipment must remain. 	Prior to and during construction	Construction Contractor	City of Walnut Creek	Prior to and during construction	Implementation of Worker Awareness Training prior to initial ground disturbance
Mitigation Measure BIO-6	<p>Wetland Pre-Construction Measures. Prior to the start of and during construction, the Construction Contractor shall implement the following measures:</p> <ul style="list-style-type: none"> The Construction Contractor shall ensure all trash generated by the project shall be promptly and properly removed from the project site. All refueling of construction and maintenance vehicles shall be staged in paved areas away from the top of bank of the creek. Hazardous material absorbent pads and similar materials shall be available on site by contractor in the event of a spill that could potentially impact jurisdictional waters. If the work area needs to be dewatered during project construction, water shall be allowed to 	During construction	Construction Contractor	City of Walnut Creek	During construction	Implementation of Wetland Pre-Construction Measures

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	<p>flow around the work area to maintain downstream flow.</p> <ul style="list-style-type: none"> • If water is pumped from the work area during dewatering, it shall be allowed to settle to reduce turbidity prior to being released back into the creek. • Appropriate erosion-control measures (e.g., fiber rolls, filter fences) shall be used on site if needed to reduce siltation and runoff of contaminants into the stream. Filter fences and mesh shall be of material that would not entrap reptiles and amphibians. <p>Fiber rolls used for erosion control shall be certified as free of noxious weed seed and shall not contain plastics of any kind.</p>					
<p>Mitigation Measure BIO-7</p>	<p>Post-Construction Erosion Control. After construction, if disturbed areas are to be seeded for erosion control, the contractor shall reseed using seed mixtures that do not contain invasive, non-native species; they shall use mixes composed only of native species or sterile non-native species.</p> <p>Herbicides shall not be applied within 100 feet of the creek unless specifically approved by regulatory agencies. If approved, herbicides that have been approved by the U.S. Environmental Protection Agency for use in or adjacent to aquatic habitats may be used as long as label instructions are followed, and applications avoid or minimize impacts on covered species and their habitats. Herbicide drift shall be minimized by applying the herbicide as close to the target area as possible.</p>	<p>After construction</p>	<p>Construction Contractor</p>	<p>City of Walnut Creel</p>	<p>After construction</p>	<p>Restoration of disturbed areas and revegetation of disturbed areas</p>

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Mitigation Measure BIO-8	Wetlands Mitigation Credits. Prior to construction or concurrent with work, compensation for impacts to jurisdictional waters shall be achieved through one of the following options: (1) the City shall purchase mitigation credits from one or more mitigation banks approved by the U.S. Army Corps of Engineers, the RWQCB, and the CDFW that include the project site within their service areas; (2) the City shall purchase and preserve an approved, off-site parcel with establishment of a conservation easement, development of a management plan, and provision of a perpetual endowment sufficient to cover management of protected lands; or (3) a combination of the above two approaches	Prior to construction	City of Walnut Creek	City of Walnut Creek	Prior to construction	Compensation for impacts to jurisdictional waters
Mitigation Measure BIO-9	Tree Protection Measures. Prior to and during construction, the City’s Construction Contractor shall implement the following recommended actions to protect trees: <ul style="list-style-type: none"> • Tree Avoidance. The project would retain as many existing trees as possible on the project site. • Tree Protection Fencing. Tree protection fencing would be used during construction to prevent direct damage to trees that would not be removed during construction (avoided trees). The fencing would consist of a 6-foot-high ESA fence (or other material approved by the City of Walnut Creek). The fence would be installed around the dripline of each retained tree. All fence sections would be clearly marked with a sign stating, “This is a Tree 	Prior to and during construction	City Construction Contractor	City of Walnut Creek	City Construction Contractor	Implementation of recommended actions to protect trees

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	<p>Protection Zone (TPZ) and no one is allowed to disturb this area". The sign would list contact information for the contractor and the arborist, and clearly state that a violation of the TPZ would result in a stop work order.</p> <ul style="list-style-type: none"> • Construction Monitoring. The existing ground within the dripline of any tree would not be cut, filled, or compacted unless otherwise approved by the City of Walnut Creek. Mechanical excavation within the dripline of any tree, when permitted, would be conducted in a manner that minimizes root damage and would be monitored by a certified arborist. • Storage of Construction Equipment and Materials. No oil, gasoline, chemicals, liquid waste, solid waste, heavy construction machinery, or other construction materials would be stored or allowed to stand within the dripline of any avoided tree. No equipment would be washed within the dripline of any avoided tree. • Trimming. Pruning of any retained tree would be consistent with good pruning practices as outlined in the International Society of Arboriculture's Tree Pruning Guidelines and the American National Standards Institute for tree work (ANSI A-300). 					

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<p>Mitigation Measure CUL-1</p>	<p>Archaeological Monitoring. Prior to issuance of a grading activities for the project, a qualified archaeologist (one who meets the Secretary of the Interior’s standards) shall be retained to provide professional archaeological services. The qualified archaeologist (or an archaeologist supervised by the qualified archaeologist) shall be present at the pre-construction conference to provide a brief cultural resources sensitivity training. The qualified archaeologist (or an archaeologist supervised by the qualified archaeologist) shall conduct on-site archaeological monitoring during all ground-disturbing work associated with the project. The monitoring archaeologist shall be empowered to temporarily halt or redirect work to allow for the sampling, identification, and evaluation of resources deemed by the qualified archaeologist to potentially be historical resources or unique archaeological resources under the California Environmental Quality Act (CEQA).</p> <p>Should archaeological resources be discovered during project work, ground-disturbing construction activities shall be halted within 50 feet of the find and work shall be redirected to allow for the proper evaluation for significance and treatment of the resources, which may include additional cultural resources work. Additional cultural resources work, if determined necessary, may include, but is not limited to, collection and documentation of artifacts, documentation of the cultural resources on State of California Department of Parks and Recreation</p>	<p>Prior to grading activities</p>	<p>City Contractor, Qualified Archaeologist, City of Walnut Creek</p>	<p>Qualified Archaeologist, City of Walnut Creek</p>	<p>Prior to grading activities</p>	<p>Completion of appropriate protocol upon the discovery of any archaeological resources</p>

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	(DPR) Series 523 forms, or subsurface archaeological testing. Upon completion of any cultural resources work for the project, the archaeologist shall prepare a report to document the methods and results of the work. This report shall be submitted to the City of Walnut Creek, any descendant community involved in the investigation(s), and the Northwest Information Center (NWIC).					
Compliance Measure CUL-2	Discovery of Human Remains. In the event that human remains are encountered on the project site, work within 50 feet of the discovery shall be redirected and the Contra Costa County Coroner notified immediately consistent with the requirements of California Code of Regulations (CCR) Section 15064.5(e). State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code (PRC) Section 5097.98. If the remains are determined to be Native American, the County Coroner shall notify the Native American Heritage Commission (NAHC) within 24 hours, which shall determine and notify a Most Likely Descendant (MLD). With the permission of the property owner, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of being granted access to the project site. The MLD may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.	During construction	City Contractor, Qualified Archaeologist, City of Walnut Creek	County Contra Costa	During construction	Completion of appropriate protocol upon the discovery of human remains

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Mitigation Measure GEO-1	Discovery of Unknown Paleontological Resources. During construction, if paleontological resources are encountered, work shall be halted immediately within 50 meters (165 feet) of the find until a professional paleontologist can evaluate it. The City of Walnut Creek Public Works Department and a professional paleontologist shall be immediately contacted by the responsible individual present on site. When contacted, the project planner and the paleontologist shall immediately visit the site to determine the extent of the resources and to develop proper mitigation measures required for the discovery per the Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources put forth by the Society of Vertebrate Paleontology (2010).	During construction	City of Walnut Creek Public Works Department, Qualified Paleontologist	City of Walnut Creek Public Works Department, Qualified Paleontologist	During construction	Completion of appropriate protocol upon the discovery of any paleontological resources
Mitigation Measure HAZ-1	The following remediation measures pertaining to excavated surface soil, painted surfaces, concrete and pipe jackets, and concrete and asphalt demolition waste shall be implemented during project construction and demolition activities and shall be confirmed completed by the City of Walnut Creek (City) Public Works Department, or designee: <ul style="list-style-type: none"> • Excavated Surface Soil: The Construction Contractor shall dispose of excavated soils as designated or non-hazardous waste at Class II unit or Class III landfills depending on facility acceptance standards. Soil excavated along sewer lines adjacent to the former dry cleaner site shall be screened for tetrachloroethylene 	During project construction and demolition	City of Walnut Creek Public Works Department, or designee, construction contractor	City of Walnut Creek Public Works Department, or designee	During project construction and demolition	Completion and implementation of remediation measures During Project Construction and Demolition

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	<p>(PCE) and its breakdown products to properly classify excavated soils for disposal.</p> <ul style="list-style-type: none"> • Painted Surfaces (Bridge Railing, Light Post, White Roadway Striping, Red Painted Curbs): The Construction Contractor shall manage debris, construction worker safety, and waste pursuant to the California Division of Occupational Safety and Health (Cal/OSHA) T8 California Code of Regulations (CCR) Section 1532.1. • Concrete and Pipe Jacket (Utilities Along the Side of Bridge), Asphalt: The Construction Contractor shall provide demolition notification to the Bay Area Air Quality Management District (BAAQMD) prior to the commencement of demolition activities. The Construction Contractor shall abate 10 percent potentially friable Asbestos-Containing Material (ACM)/Regulated Asbestos-Containing Material using a State-licensed asbestos abatement contractor prior to demolition. The Construction Contractor shall manage debris and waste pursuant to Cal/OSHA T8 CCR Section 1529. • Concrete and Asphalt Waste: All asphalt grindings shall be disposed of, by the Construction Contractor, or designee, at a Class I landfill or reused in accordance with the California Department of Fish and Wildlife Agreement on AC Grindings, Chunks, and Pieces (1993) and the California Department of Transportation’s Asphalt-Concrete and 					

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	Portland Cement Concrete Grindings Reuse Guidance (2007).					
Mitigation Measure HYD-1	<p>Construction General Permit. Prior to commencement of construction activities, the Contractor shall obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit), NPDES No. CAS000002, Order No. 2022-0057-DWQ, or any other subsequent permit. This shall include submission of Permit Registration Documents (PRDs), including permit application fees, a Notice of Intent, a risk assessment, a site plan, a Stormwater Pollution Prevention Plan (SWPPP), applicable plans, calculations, and other supporting documentation for compliance with the existing Phase 1 Municipal Regional Stormwater Permit or the post-construction standards of this General Permit, and any other compliance-related documents required by the permit, to the State Water Resources Control Board via the Stormwater Multiple Application and Report Tracking System (SMARTS). Construction activities shall not commence until a Waste Discharge Identification Number is obtained for the project from the SMARTS and provided to the Director of the City of Walnut Creek Public Works Department, or designee, to demonstrate that coverage under the Construction General Permit has been obtained. Project construction shall comply with all applicable requirements specified in the Construction General Permit, including but not</p>	Prior to construction	Project Engineer, Contractor, City of Walnut Creek	City of Walnut Creek	Prior to, during, and after construction	Preparation and implementation of SWPPP; submission of NOT

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	limited to, preparation of a SWPPP and implementation of construction site best management practices (BMPs) to address all construction-related activities, equipment, and materials that have the potential to impact water quality for the appropriate risk level identified for the project. The SWPPP shall identify the sources of pollutants that may affect the quality of stormwater and shall include BMPs (e.g., Sediment Control, Erosion Control, and Good Housekeeping BMPs) to control the pollutants in stormwater runoff. Upon completion of construction activities and stabilization of the project site, a Notice of Termination shall be submitted via SMARTS.					
Mitigation Measure HYD-3	Groundwater Dewatering Permit/On-site Treatment. Prior to commencement of construction activities, the Contractor shall obtain coverage under SFBRWQCB General Waste Discharge Requirements for Discharge or Reclamation of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOCs), Fuel Leaks, Fuel Additives, and Other Related Wastes (VOC and Fuel NPDES General Permit) (NPDES Permit No. CAG912002, Order No. R2-2017-0048, as amended by Order No. R2-2018-0050) prior to discharging to Las Trampas Creek.	Prior to construction	Project Engineers, Contractor, City of Walnut Creek	City of Walnut Creek	Prior to, during, and after construction	Preparation and implementation of the SFBRWQCB General Waste Discharge Requirements for Discharge or Reclamation of Extracted and Treated Groundwater

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Mitigation Measure HYD-4	Stormwater Control Plan. Prior to construction, a Stormwater Control Plan shall be prepared per the criteria in the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook. The Stormwater Control Plan shall be implemented by the City or its designated contractor in compliance with the provisions of the Contra Costa County Municipal Regional Stormwater Permit (NPDES Permit No. CAS612008, Order No. R2-2022-0018, Adopted May 11, 2022) issued by the SFBRWQCB and the Walnut Creek Storm Water Control Ordinance (Walnut Creek Municipal Code Chapter 9.16). The Stormwater Control Plan shall describe the BMPs, measurable goals, and timetables for implementation of the following five minimum control measures: Construction Site Stormwater Runoff Control; Illicit Discharge Detection and Elimination; Pollution Prevention/Good Housekeeping for Municipal Operations; Post-Construction Stormwater Runoff Management; and Public Education and Public Participation.	Prior to construction	City of Walnut Creek	City of Walnut Creek	Prior to construction	Preparation of a Stormwater Control Plan and adherence to all requirements
Mitigation Measure HYD-5	Treatment Best Management Practices. Final design of the proposed project shall include Treatment BMPs. The Treatment BMPs shall comply with the provisions of the San Francisco Bay Municipal Regional Stormwater Permit (MRP) requirements and the City of Walnut Creek Stormwater Management and Discharge Control Ordinance (Municipal Code, Chapter 16). Project construction shall not be deemed complete until the Treatment BMPs are installed and a long-term BMP maintenance plan is prepared.	During final design	City of Walnut Creek	City of Walnut Creek	Dring final design	Implementation of Treatment BMPs and preparation of a long-term BMP maintenance plan is prepared.

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Compliance Measure NOI-1	<p>Standard Construction Noise Measures. The following measures shall be implemented, to the extent feasible, during construction activities:</p> <ul style="list-style-type: none"> • The Construction Contractor and the City of Walnut Creek (City) shall ensure that construction equipment would be equipped with intake and exhaust mufflers that are in good condition and appropriate for the equipment. • The Construction Contractor shall locate stationary noise generating equipment as far as possible from sensitive receptors when sensitive receptors adjoin or are near the construction area. • The Construction Contractor shall utilize “quiet” air compressors and other stationary noise sources where technology exists. • The City shall designate a “disturbance coordinator” who would be responsible for responding to any local complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., starting too early, bad muffler) and would require that reasonable measures warranted to correct the problem be implemented. The disturbance coordinator shall post a telephone number at the construction site and include it in the notice sent to neighbors regarding the construction schedule. • If the Director of Public Works determines that the public health, safety, and welfare would not be impaired by construction 	During construction	Construction Contractor and the City of Walnut Creek	City of Walnut Creek	During construction	Implementation of applicable noise measures

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	activities outside the hours of 7:00 a.m. and 6:00 p.m. on weekdays that are not holidays, the Construction Contractor may be granted permission for such work to be done, the specific hours and days of operations to be enumerated in the permit issued by the City.					
Mitigation Measure TRAN-1	Transportation Management Plan (TMP). As part of Project final design, the City, in coordination with emergency services providers, shall prepare a TMP to determine detours, if necessary, and notify the community of the construction of the bridge and the closing of South Main Street. During construction, the City shall require the Construction Contractor to adhere to all requirements of the TMP. The TMP shall include the following: an emergency evacuation plan, installation of detour signs, if applicable, notices in local media, and advance notice to the public and local emergency services providers regarding the timing, location, and duration of construction activities. Throughout the construction period, the City shall provide regular communication to emergency services providers and property owners in the project vicinity in order to minimize disruption associated with construction of the project.	Prior to construction	City of Walnut Creek, Construction Contractor, emergency services providers	City of Walnut Creek	During construction	Preparation of a TMP and adherence to all requirements

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Mitigation Measure UTIL-1	City of Walnut Creek Waste Management Plan. Prior to construction, the Construction Contractor shall prepare and submit to the City a Waste Management Plan (WMP) that complies with City waste management policies and recycling requirements, including diversion of 65% of materials to recycling or reuse. The WMP shall identify all the materials estimated to be recycled, salvaged, or disposed as well as the handling procedure, approved hauler, and destination of each material type. The WMP shall be approved by the City prior to construction commencement.	Prior to construction	Construction Contractor	City of Walnut Creek	During construction	Preparation of a WMP and adherence to all requirements

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