

FINAL MITIGATION MONITORING AND REPORTING PLAN

CEQA requires public agencies to adopt a reporting or monitoring program for the changes to the project that have been adopted to mitigate or avoid significant effects on the environment (PRC Section 21081.6). The purpose of this program is to ensure that when an MND identifies measures to reduce potential environmental impacts to less than significant levels, that those measures are implemented as detailed in the environmental document. As responsible agency, the LAHD is responsible for implementation of this Mitigation Monitoring and Reporting Plan (MMRP). Once the Board of Harbor Commissioners adopts the MMRP, the applicable LAHD division(s) will incorporate the mitigation monitoring/reporting requirements in the appropriate permits (i.e., engineering specifications, engineering construction permits, and/or real estate entitlements). Therefore, in accordance with the aforementioned requirements, this MMRP lists each mitigation measure, describes the methods for implementation and verification, and identifies the responsible party or parties as detailed below.

| Mitigation Measure | Timing and Methods | Responsible Party |
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| <p>LU-1: Prepare a Traffic Management Plan (TMP) to minimize direct and cumulative construction impacts on the community. The TMP shall be developed in consultation with the City of Los Angeles Department of Transportation and Caltrans, and it shall be provided with the construction plan to the City of Los Angeles Police and Fire Departments prior to commencement of construction activities. The TMP shall include, but is not limited to, the following implementation plans:</p> <ul style="list-style-type: none"> • Public Information: Provide project update to the affected residents and businesses including general public via brochures and mailers, community meeting, and website. • Motorist Information: Provide project information using changeable message signs and ground mounted signs. • Incident Management: Implement Construction Zone Enhanced Enforcement Program (COZEEP), freeway service patrol, and California Highway Patrol (CHP) traffic handling. • Traffic Management during Construction: Provide traffic lane | <p>Timing: Prior to and during project construction.</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout the construction phases.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |

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| closure chart, detour route, pedestrian routes, residential and commercial access routes and temporary traffic signal during construction. | | |
| CCC-1: This mitigation measure is the same as LU-1. Please see above for details. | See above | See above |
| CCC-2: Continue the public outreach program to keep residents, businesses, and any service providers within the project area informed, and to inform surrounding communities about the project construction schedule, traffic-impacted areas and the TMP, and other relevant project information. | <p>Timing: Throughout project construction.</p> <p>Method: This measure shall be implemented by the LAHD project construction manager or designated construction contractor liaison to ensure compliance with the measure.</p> | <p>Implementation: LAHD and LAHD Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| CCC-3: Coordinate with the Channel Street Skate Boarding Association to keep skaters informed of the proposed project schedule and the period that the skate facility needs to be closed. | <p>Timing: Throughout project construction.</p> <p>Method: This measure shall be implemented by the LAHD project construction manager.</p> | <p>Implementation: LAHD</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| CCC-4: Encourage the skate facility to apply for an operation permit for the facility. | <p>Timing: During facility closure</p> <p>Method: This measure shall be implemented by the LAHD project construction manager.</p> | <p>Implementation: LAHD</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| U&ES-1: Work in close coordination with the utility service providers in advance of construction activities to relocate affected utilities to minimize the impacts to the consumers. | <p>Timing: Final Design prior to Construction</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout the construction phases.</p> | <p>Implementation: LAHD and LAHD Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| U&ES-2: This mitigation measure is the same as LU-1. Please see above for details. | See above | See above |
| Traffic-1: This mitigation measure is the same as LU-1. Please see above for details. | See above | See above |
| VIS-1: Develop Context-Sensitive Solutions for the aesthetic and landscape treatments of the project elements based on the Caltrans Aesthetic and Landscape Master Plan. | <p>Timing: Final Design and Construction</p> <p>Method: This measure shall be implemented by the LAHD project engineer as part of final design plans. Specific landscape treatments</p> | <p>Implementation: LAHD and LAHD Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management</p> |

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| | <p>developed as a result of final design shall be incorporated into the contract specifications for construction. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Division, and Engineering Division</p> |
| <p>VIS-2: Apply architectural detailing to the soundwalls and retaining walls, including textures, colors, and patterns. Include caps that will provide shadow lines.</p> | <p>Timing: Final Design and Construction phase</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division, and Engineering Division</p> |
| <p>VIS-3: Include vine plantings to soften the new soundwalls.</p> | <p>Timing: Construction phase</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>VIS-4: Apply anti-graffiti coating to all visible walls.</p> | <p>Timing: Construction phase</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>VIS-5: Utilize drainage and water quality elements, where required,</p> | <p>Timing: Final Design and Construction</p> | <p>Implementation: LAHD and LAHD Construction Contractor</p> |

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| that maximize the allowable landscape. Place any water quality or detention ponds out of clear view of the interchange and the highway. | <p>Method: This measure shall be implemented by the LAHD project engineer as part of final design plans. Specific drainage and water quality elements developed as a result of final design shall be incorporated into the contract specifications for construction. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division, and Engineering Division</p> |
| <p>VIS-6: Use a visually compatible ornamental groundcover in any detention/water quality basins or geoswales that are located within ornamental landscape areas.</p> | <p>Timing: Final Design and Construction</p> <p>Method: This measure shall be implemented by the LAHD project engineer as part of final design plans. Specific elements developed as a result of final design shall be incorporated into the contract specifications for construction. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD and Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division, and Engineering Division</p> |
| <p>VIS-7: Landscape and revegetate disturbed areas to the greatest extent feasible. Landscaping should include appropriate irrigation, establishment, and maintenance to assure ongoing success of the plantings.</p> | <p>Timing: Construction phase</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>CUL-1: Prepare and implement an Archaeological Data Recovery Plan (also known as Phase III excavations) for the portion(s) of Site CA-LAN-283 to be affected by the project prior to any ground-</p> | <p>Timing: Prior to construction</p> <p>Method: The LAHD Environmental Management Division shall retain a qualified archaeologist to implement this measure.</p> | <p>Implementation: LAHD</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |

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| disturbing activities. | | |
| <p>CUL-2: In the unlikely event that previously unidentified cultural materials are unearthed during construction, work shall be halted in that area until a qualified archaeologist can assess the significance of the find.</p> | <p>Timing: Throughout construction</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>PAL-1: Retain a qualified paleontologist prior to the start of construction to develop and implement a Paleontological Mitigation Plan. Paleontological monitoring shall be conducted onsite to inspect new exposures created by earth-moving activities in areas underlain by the older alluvium and at depths greater than 5 feet below current grade for the younger alluvium. Rock samples from rock units in the San Pedro and Palos Verdes Sand shall be collected and analyzed for the paleontological potential.</p> | <p>Timing: Prior to construction and throughout construction activities</p> <p>Method: The LAHD Environmental Management Division shall retain a qualified paleontologist to implement this measure.</p> | <p>Implementation: LAHD</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>PAL-2: If any fossils are found, then excavation activities shall be temporarily halted to allow samples to be collected and analyzed for paleontological potential. Any fossils recovered during mitigation shall be deposited in an accredited and permanent scientific institution.</p> | <p>Timing: Throughout construction</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>HM-1: Conduct soil profiling while handling soil at the project site during construction. If the soil contains contaminant concentrations that meet the definition of hazardous materials, then the contractor would be required to adhere to City of Los Angeles Standard Specifications (known as the Greenbook), which address the management of various</p> | <p>Timing: Throughout construction</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |

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| hazardous materials and wastes consistent with the federal and state of California requirements pertaining to hazardous materials and wastes management. | designated building inspectors to ensure compliance with contract specifications. | |
| HM-2: Collect and analyze water collected during dewatering for Total Petroleum hydrocarbon (TPH) gasoline/diesel and volatiles organic compounds (VOCs) if a construction dewatering system is planned. | Timing: Throughout construction Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications. | Implementation: LAHD through Construction Contractor Monitoring and Reporting: Environmental Management Division, Construction Management Division |
| HM-3: Conduct soil sampling and analysis at the proposed soundwall locations west of I-110 and south of SR 47. The soil samples should be analyzed for metals and pesticides/herbicides. If the soil samples exhibit evidence of petroleum product contamination, then a TPH should be analyzed. | Timing: Prior to or during construction phase Method: The LAHD Environmental Management Division shall implement this measure. | Implementation: LAHD Monitoring and Reporting: Environmental Management Division, Construction Management Division |
| HM-4: Dispose of any hazardous materials or wastes encountered before or during the construction phase of the project according to current regulatory guidelines. | Timing: Throughout construction Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications. | Implementation: LAHD through Construction Contractor Monitoring and Reporting: Environmental Management Division, Construction Management Division |
| AQ-1: Construction contractor shall adhere to the current LAHD Sustainable Construction Guidelines for Reducing Air Emissions during project construction phase. The LAHD shall determine the applicable BMP's once the contractor identifies and secures a final equipment list and project scope. | Timing: Throughout construction Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications. | Implementation: LAHD through Construction Contractor Monitoring and Reporting: Environmental Management Division, Construction Management Division |

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| <p>Noise-1: Noise control shall conform to the provisions in Section 14-8.02, "Noise Control" of the Caltrans Standard Specifications which prohibits noise exceeding 86 dBA LMax at 50 feet from the job site activities from 9 p.m. to 6 a.m. and requires the use of manufacturer-recommended mufflers on internal combustion engines and these special provisions:</p> <p>The noise level from the contractor's operations, between the hours of 7:00 a.m. and 7:00 p.m., shall not exceed 86 dBA at a distance of 50 feet. Construction equipment shall not be operated, nor shall the engines of this equipment be allowed to run, between the hours of 7:00 p.m. and 7:00 a.m., or on Sundays, except that within the limits of the project and subject to control of the Engineer, equipment may be operated during the restricted hours to:</p> <ul style="list-style-type: none"> • Service traffic control facilities. • Service construction equipment. • Perform work that the contract specifies be done during restricted hours. • Saw transverse weakened plane joints in concrete pavement. <p>Minor deviations from this section concerning hours of work that do not significantly change the cost of the work may be permitted upon written request of the contractor if, in the opinion of the engineer, the work will be expedited and sound levels resulting from this work will not cause adverse public reaction.</p> <p>The requirements in this section shall not relieve the contractor from responsibility for complying with local ordinances regulating noise level outside the limits of the State ROW.</p> <p>The noise level requirement specified herein shall apply to</p> | <p>Timing: Throughout construction</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |

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| <p>equipment on the job or related to the job including, but not limited to, trucks, transit mixers, or transient equipment that may or may not be owned by the Contractor. The use of loud sound signals shall be avoided in favor of light warnings, except those required by safety laws for the protection of personnel.</p> | | |
| <p>BIO-1: Clearance of vegetation at the top of the slope above the I-110 connector, and any land adjacent to the ends of the Channel Street Overhead, shall be conducted during the non-nesting season (between September 1 to February 15) to preclude direct effects on any migratory nesting bird species that might be in the project area.</p> | <p>Timing: Prior to Construction and during construction activities</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>BIO-2: The thin structural gaps at the top of each support pillar beneath the Channel Street Overhead shall be filled with any convenient, suitable material. The gaps shall be filled when bats have departed, which is between mid-September and early February.</p> | <p>Timing: Prior to Construction and during construction activities</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>BIO-3: Coarse mesh cover shall be fitted over the weepholes through the Channel Street Overhead soffits at the same time to prevent any bats from gaining entrance to the interior of the box and thus being subject to disturbance if overcrossing construction occurs during the summer months.</p> | <p>Timing: Prior to Construction and during construction activities</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>BIO-4: In compliance with the Executive Order on Invasive</p> | <p>Timing: During construction</p> <p>Method: This measure shall be</p> | <p>Implementation: LAHD through Landscaping Contractor</p> |

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| <p>Species, EO 13112, the landscaping and erosion control included in the project will not use species listed as noxious weeds.</p> | <p>incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |
| <p>BIO-5: Precautions shall be taken to prevent the propagation of invasive species found in or adjacent to the construction areas. These include inspection and cleaning of construction equipment and eradication strategies.</p> | <p>Timing: Throughout construction</p> <p>Method: This measure shall be incorporated into the LAHD design and contract specifications. The contractor shall adhere to these specifications throughout construction phases. Enforcement shall include oversight by the LAHD project construction manager or designated building inspectors to ensure compliance with contract specifications.</p> | <p>Implementation: LAHD through Construction Contractor</p> <p>Monitoring and Reporting: Environmental Management Division, Construction Management Division</p> |