

Appendix K
Draft Environmental Commitments Record

District 7 ENVIRONMENTAL COMMITMENTS RECORD

6th Street Viaduct Seismic Improvement Project
 Draft Environmental Commitments Record
 EA 251200
 Los Angeles-District 7-101

Log No.	Mitigation Type	Responsible Party	Monitoring Frequency	Implementation/ Monitoring Phase	SSP/NSSP Req'd?	Permits/Spec/Plans Ref.	Mitigation Measure	Mitigation Monitoring Action Performed	Date Completed	Completed Signature Page	Mitigation Complete?	Remarks
BIOLOGY												
1-1	Environmentally Sensitive Areas											
1-2	Pre-Construction Surveys						A preconstruction survey would be conducted to confirm the absence or presence of any nesting birds or roosting bats. If found, steps would be taken to remove existing nests and prevent establishment of new nests prior to the beginning of the nesting season.					
	Pre-Construction Surveys						To protect any possible migratory bird nesting or roosting bat activity, construction activities and removal of non-native ornamental vegetation will be conducted between September 1 and January 31. If construction occurs between February 1 and August 31, then a preconstruction survey by a qualified biologist will be conducted to identify any active nesting or roosting locations. If the biologist finds an active nest or roost within the construction area, then the CDFG biologist will be consulted on how to relocate them to avoid any construction impacts.					
1-4	Monitoring Required											
1-5	Wetland/Riparian/Uplands Mitigation (Identify if part of separate project)											
1-6	Compensatory Measures											
1-7	Vegetation											
1-8	Endangered Species											
VISUAL/LANDSCAPE												
2-1	Landscape and Plant Design						Texturize and color slope paving and other smooth surfaces to deter graffiti and enhance the bridge aesthetics.					
2-2	Landscape and Plant Design						Apply architectural detailing to the retaining walls, including textures, colors, and patterns. Include caps that will provide shadow lines.					
2-3	Invasive species considerations (coordination w/biology)											
2-4	Erosion Control											
2-5	Special Architectural Treatments											
2-6	Contour Grading											
2-7	Revegetation - Plan Establishment Types and Period											
2-8	Other-Community Involvement						Work with the community through a Context-Sensitive Solutions (CSS) process to develop Aesthetic and Urban Design Guidelines for the new structure through a formalized process that allows community input. This should coincide with the final design efforts.					
							Evaluate the benefit to the community of preserving open space created by the proposed project. Work with the community and other stakeholders, including City agencies, on developing the Greening Concept to include open space and park amenities within the community.					
							Provide connections between the community and the future LARRMP features as part of the project design, either through incorporation of the Greening Concept or through provisions in the viaduct design for future connections to the river corridor.					
							Develop bridge architecture to create a Community/City Gateway, including possible bridge monuments with decorative lighting, parapet wall treatments, decorative fencing/railing and lighting, and abutment/wing walls, to increase the memorability and announce the presence of the bridge.					

District 7 ENVIRONMENTAL COMMITMENTS RECORD

6th Street Viaduct Seismic Improvement Project

Draft Environmental Commitments Record

EA 251200

Los Angeles-District 7-101

Log No.	Mitigation Type	Responsible Party	Monitoring Frequency	Implementation/ Monitoring Phase	SSP/NSSP Req'd?	Permits/Spec/Plans Ref.	Mitigation Measure	Mitigation Monitoring Action Performed	Date Completed	Completed Signature Page	Mitigation Complete?	Remarks
CULTURAL RESOURCES												
3-1	Environmentally Sensitive Areas for Archaeological Resources						Archaeological resource 19-003683 is located within the project APE as a candidate area for construction equipment staging; however, the defined site limits would be protected from potential impacts through the establishment of an ESA. In addition, given the moderate to high archaeological sensitivity of the project area, there is the potential to encounter buried archaeological materials during ground disturbance; therefore, archaeological monitoring is warranted.					
3-2	Environmentally Sensitive Areas for Archaeological Resources						Provide a qualified archaeological monitor to be present at the site during excavation of the viaduct footings. In the event buried cultural materials are encountered during construction, construction would be halted and the discovery area isolated and secured until the archaeologist finishes evaluating the nature and significance of the find.					
3-3	Environmentally Sensitive Areas for Cultural Resources						A Cultural Resources Monitoring Plan will be developed prior to and implemented during ground-disturbing activities associated with the project.					
3-6	Human Remains/Cultural Materials						If human remains are discovered, then the County coroner must be notified as soon as is reasonably possible (CEQA Section 15064.5). There shall be no further site disturbance where the remains were found. If the remains are Native American, then the coroner is responsible for contacting the NAHC within 24 hours. The Commission shall immediately notify those persons it believes to be the MLDs of human remains. Treatment of the remains will be dependent on the views of the MLD.					
3-7	Other Requirements set forth in the MOA and or SHPO consultation.						TBD					
PALEONTOLOGY												
4-1	ESAs for Paleontology (including delineation on Plans)											
4-2	Monitoring Required						A qualified Principle Paleontologist will be retained prior to the start of construction to develop and implement a Paleontological Mitigation Plan (PMP). The PMP will include obtaining a written storage agreement with a recognized museum repository; presenting preconstruction meeting instructions for construction personnel on environmental awareness; instructions on fossil remains handling requirements for archiving; archival requirements for remains prior to transfer to the repository for permanent storage and maintenance; instructions on fossil remains handling requirements; a discussion of bulk sample requirements of fine-grained sediment from fossiliferous or potentially fossiliferous strata; and preparation of a report summarizing the findings of the work conducted under the PMP.					
4-3	Monitoring Required						A Paleontological Monitor will be on-site on a full-time basis to inspect new exposures created by earth-moving activities in areas underlain by the older alluvium and at depths greater than 5 ft below current grade for the younger alluvium.					
4-4	Unexpected Discovery Provisions						If fossil remains are discovered, then earth-moving activities at the fossil site will be halted or diverted temporarily to allow the monitor to recover the fossil remains.					

District 7 ENVIRONMENTAL COMMITMENTS RECORD

6th Street Viaduct Seismic Improvement Project

Draft Environmental Commitments Record

EA 251200

Los Angeles-District 7-101

Log No.	Mitigation Type	Responsible Party	Monitoring Frequency	Implementation/ Monitoring Phase	SSP/NSSP Req'd?	Permits/Spec/Plans Ref.	Mitigation Measure	Mitigation Monitoring Action Performed	Date Completed	Completed Signature Page	Mitigation Complete?	Remarks
COMMUNITY/SOCIAL IMPACTS												
5-1	Environmental Justice						The City would continue its public outreach throughout the environmental review, design and construction phases of the project to keep area residents and businesses informed about the project decision and schedule and to resolve issues of concern. A Traffic Management Plan (TMP) and a Work Area Traffic Control Plan (WATCP) would be developed and implemented to ensure that cumulative traffic impacts are minimized.					
5-2	Parks and Recreation (such as multi-use trails, park improvements needed, etc.)											
5-3	ADA Requirements											
5-4	Relocation Impacts						The City Maintenance facility will be relocated to accommodate the construction.					
5-5	Relocation Impacts						The businesses that are subject to relocation would receive compensation at fair market value. Relocation assistance payments and counseling would be provided to persons and businesses in accordance with the Uniform Act. Based on the preliminary study, properties are available for the affected businesses to move into within the Community Redevelopment Agency of the City of Los Angeles (CRA/LA) Central Industrial Redevelopment Project area.					
5-6	Joint Development Agreement											
5-7	Bicyclists & Pedestrians											
5-8	Transit Services											
5-9	Environmental commitments to local jurisdictions						A Work Area Traffic Control Plan (WATCP) would be developed to minimize traffic impacts near the construction site. The traffic plan would provide alternative traffic detour routes, pedestrian routes, and residential/commercial access routes to be used during the construction period.					
5-10	Local community outreach activities during construction						The City of Los Angeles would continue its outreach effort to keep area residents informed of the project construction schedule, the traffic lane closure schedule and the traffic detour plan.					
5-11	Sensitive community resources and special access requirements											
5-12	Equipment, contractor yard, and restrictions on construction activities											
5-13	Noise and Vibration limitations											
WATER QUALITY AND STORMWATER RUNOFF												
6-1	General						A Storm Water Pollution Prevention Plan (SWPPP) will be prepared and implemented during construction.					
HYDROLOGY AND FLOODPLAIN												
7-1	General						All construction related work in the riverbed would be performed during the dry season to avoid any potential impacts to the river hydraulics. Construction site best management practices (BMPs) would be implemented to collect all construction related nuisance water discharges. The center pier in the river would be either eliminated or replaced with a pier that has same or smaller size as the existing one.					

District 7 ENVIRONMENTAL COMMITMENTS RECORD

6th Street Viaduct Seismic Improvement Project

Draft Environmental Commitments Record

EA 251200

Los Angeles-District 7-101

Log No.	Mitigation Type	Responsible Party	Monitoring Frequency	Implementation/ Monitoring Phase	SSP/NSSP Req'd?	Permits/Spec/Plans Ref.	Mitigation Measure	Mitigation Monitoring Action Performed	Date Completed	Completed Signature Page	Mitigation Complete?	Remarks
UTILITIES AND EMERGENCY SERVICES												
8-1	General						The project would be designed to avoid adverse effects to existing service utilities, emergency services and railroad operations. Close coordination with the utility service providers in advance of the construction activities to relocate affected utilities would minimize the potential impacts to the users. Temporary impacts to emergency services within the project area would be minimized by implementation of the WATCP, mandated by the City, and the provision of advance notice to emergency service providers of the construction schedule. Written construction agreements would be entered into with the railroad companies. Close coordination with the railroads owners and operators to work on the railroad during the period when the railroad is not in operation and to avoid track closures would minimize the impacts to railroad operations.					
Traffic and Transportation/Pedestrian Facilities												
9-1	General						The City would continue its public outreach activities to keep area residents and businesses informed of the proposed project schedule and progress. The City mandated Work Area Traffic Control Plan (WATCP) would be strictly implemented to minimize traffic impacts within the immediate vicinity of the construction site. Also a Traffic Management Plan (TMP) would be developed to identify temporary traffic detour routes, pedestrian routes, and residential and commercial access routes to be used as needed during the construction period. In addition, a traffic staging plan would be implemented to minimize localized traffic impacts within the construction site activity.					
9-2	Parking						For the loss of private parking, property owners would receive compensation through the ROW acquisition.					
NOISE												
10-1	Administrative Measures						Implement a construction noise monitoring program to limit noise effects.					
	Administrative Measures						Comply with relevant noise ordinance sections of the City of Los Angeles. The City imposes a limit on noise generated by construction activities, as well as specific hours during which construction activities shall not occur.					
	Administrative Measures						Limit construction activities to daytime hours. If nighttime construction is necessary, then the proper permits and variances shall be obtained.					
	Equipment Noise Control						Utilize construction methods or equipment that will provide the lowest level of noise and ground vibration impact, such as alternative low-noise pile installation methods.					
	Equipment Noise Control											
	Equipment Noise Control						Turn off idling equipment.					

District 7 ENVIRONMENTAL COMMITMENTS RECORD

6th Street Viaduct Seismic Improvement Project

Draft Environmental Commitments Record

EA 251200

Los Angeles-District 7-101

Log No.	Mitigation Type	Responsible Party	Monitoring Frequency	Implementation/ Monitoring Phase	SSP/NSSP Req'd?	Permits/Spec/Plans Ref.	Mitigation Measure	Mitigation Monitoring Action Performed	Date Completed	Completed Signature Page	Mitigation Complete?	Remarks
10-3	Equipment Noise Control						Use newer equipment with improved noise muffling and ensure that all equipment has the manufacturers' recommended noise abatement measures, such as mufflers, engine enclosures and engine vibration isolators intact and operational. All construction equipment should be inspected at periodic intervals to ensure proper maintenance and presence of noise control devices.					

District 7 ENVIRONMENTAL COMMITMENTS RECORD

6th Street Viaduct Seismic Improvement Project

Draft Environmental Commitments Record

EA 251200

Los Angeles-District 7-101

Log No.	Mitigation Type	Responsible Party	Monitoring Frequency	Implementation/ Monitoring Phase	SSP/NSSP Req'd?	Permits/Spec/Plans Ref.	Mitigation Measure	Mitigation Monitoring Action Performed	Date Completed	Completed Signature Page	Mitigation Complete?	Remarks
AIR QUALITY												
11-1	Dust Control and other Best Management Practices						The contractor shall water all excavation/earth-moving activity areas as necessary to remain visibly moist during active operations. The contractor shall water the construction site three times daily or apply nontoxic soil stabilizers, as needed, to reduce offsite transport of fugitive dust from all unpaved staging areas and unpaved road surfaces.					
11-2	Equipment specifications						The contractor shall properly tune and maintain construction equipment in accordance with manufacturer's specifications.					
	Equipment specifications						During construction, the contractor shall keep trucks and vehicles in loading/unloading queues with their engines off when not in use to reduce vehicle emissions. The contractor shall phase construction activities to avoid emissions peaks, where feasible, and discontinue during second-stage smog alerts.					
	Equipment specifications						To the extent possible, the contractor shall use construction equipment that is powered by aqueous diesel or alternative fuel sources (e.g., methanol, natural gas or propane). Also, where feasible, the contractor shall use diesel oxidation catalyst for heavy-duty construction equipment.					
11-3	Reduction of construction emissions						Compliance with the requirements of existing South Coast Air Quality Management District rules and regulations is required.					
HAZARDOUS MATERIALS INVESTIGATION/TREATMENT												
12-1	Hazardous Waste/Materials during demolition and construction						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 will be required to adhere to City Standard Specifications, which addresses the management of various hazardous materials and wastes and that are consistent with the federal and state of California requirements pertaining to hazardous materials and waste management.					
	Hazardous Waste/Materials during demolition and construction						Conduct a survey to screen for Asbestos Containing Materials and Lead Based Paint prior to demolition activities. If Asbestos Containing Materials are found, then the contractor shall comply with South Coast Air Quality Management District Rule 1403 notification and removal process.					
	Hazardous Waste/Materials during demolition and construction						Obtain a National Pollutant Discharge Elimination System (NPDES) permit for wastewater discharge if there is a potential for dewatering activities at the project site during construction.					
	Hazardous Waste/Materials during demolition and construction						Dispose of any hazardous materials or wastes encountered before or during the demolition stage of the project according to current regulatory guidelines					
12-2	ADL Issues and Provisions (Is ADL present or suspected on this project? Does sampling need to be done? Provisions needed?)						Soils within the project site near US 101 shall be tested for ADL prior to any excavation activities. If the soil contains ADL concentrations exceeding the current regulatory requirements, then the contractor must handle and dispose of the contaminated soil in accordance with the regulatory requirements.					
12-3	Appropriate Health and Safety Plan											

District 7 ENVIRONMENTAL COMMITMENTS RECORD

6th Street Viaduct Seismic Improvement Project

Draft Environmental Commitments Record

EA 251200

Los Angeles-District 7-101

Log No.	Mitigation Type	Responsible Party	Monitoring Frequency	Implementation/ Monitoring Phase	SSP/NSSP Req'd?	Permits/Spec/Plans Ref.	Mitigation Measure	Mitigation Monitoring Action Performed	Date Completed	Completed Signature Page	Mitigation Complete?	Remarks
CONSTRUCTION												
13-1	Special Training for Construction Workers											
13-2	Clearing and Grubbing											
13-3	Construction Windows and Work Hours - For sensitive resources, community impacts and other											
13-4	Required Notification With/Reporting to Resource Agencies including contact names											
13-5	Air Quality Construction Monitoring											
13-6	Noise/Air Quality Specs Related to Construction Activities (such as dust control spec.)											
13-7	Detours											
13-8	(other - insert as necessary)											
13-9	(other - insert as necessary)											
13-10	(other - insert as necessary)											
WATER QUALITY REQUIREMENTS												
14-1	Stormwater Pollution Prevention Plan (SWPPP)/Water Pollution Control Program (WPCP)						A Storm Water Pollution Prevention Plan (SWPPP) will be prepared and implemented during construction.					
14-2	Erosion Control											
14-3	Permanent Storm Water Control Measures including Operations and Maintenance Information											
14-4	Monitoring Required											
14-5	Critical temporary BMPs											
14-6	Impacted water bodies											
14-7	High risk water resources											
14-8	Permanent treatment controls											
14-9	(other - insert as necessary)											
14-10	(other - insert as necessary)											
14-11	(other - insert as necessary)											
OTHER												
15-1	General											
15-2	(other - insert as necessary)											

*If Mitigation is complete input the number 1 in the corresponding row.