

Date: April 2016  
 Project Phase:  
 PA/ED (DED/FED)  
 PS&E Submittal  
 Construction

# ENVIRONMENTAL COMMITMENTS RECORD

## Riverside Avenue Bridge Widening Project

08-SBd-Rialto  
 HPBRLS 5205 (016)

Avoidance, Minimization, and/or Mitigation Measures	Page # in Env. Doc.	Environmental Analysis Source (Technical Study, Environmental Document, and/or Technical Discipline)	Responsible for Development and/or Implementation of Measure	Timing/Phase	If applicable, corresponding construction provision: (standard, special, non-standard)	Action(s) Taken to Implement Measure	Measure Completed (Date and Initials)	Remarks	Environmental Compliance	
									YES	NO
<b><u>AIR QUALITY</u></b>										
<b>AQ-1</b>  During clearing, grading, earthmoving, or excavation operations, excessive fugitive dust emissions will be controlled by regular watering or other dust preventive measures using the following procedures, as specified in the South Coast Air Quality Management District (SCAQMD) Rule 403. All material excavated or graded will be sufficiently watered to prevent excessive amounts of dust. Watering will occur at least twice daily with complete coverage, preferably in the late morning and after work is done for the day. All material transported on			Resident Engineer / Contractor	During Construction						

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										YES	NO
site or off site will be either sufficiently watered or securely covered to prevent excessive amounts of dust. The area disturbed by clearing, grading, earth moving, or excavation operations will be minimized so as to prevent excessive amounts of dust. These control techniques will be indicated in project specifications. Visible dust beyond the property line emanating from the project will be prevented to the maximum extent feasible.											
<b>AQ-2</b> Project grading plans will show the duration of construction. Ozone precursor emissions from construction equipment			Resident Engineer / Contractor	Prior to and during construction							

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vehicles will be controlled by maintaining equipment engines in good condition and in proper tune per manufacturer's specifications.											
<b>AQ-3</b> All trucks that are to haul excavated or graded material on site will comply with State Vehicle Code Section 23114, with special attention to Sections 23114(b)(F), (e)(2), and (e)(4), as amended, regarding the prevention of such material spilling onto public streets and roads.			Resident Engineer / Contractor	During Construction							
<b>AQ-4</b> The contractor will adhere to Caltrans Standard Specifications for			Resident Engineer / Contractor	During Construction							

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Construction (Sections 14.9-02 and 14-9.03).											
<b>AQ-5</b>  Should the project geologist determine that asbestos-containing materials (ACMs) are present at the project area during final inspection prior to construction, the appropriate methods will be implemented to remove ACMs.			Project Engineer / Resident Engineer / Contractor	Prior to Construction							
<b><u>COMMUNITY IMPACTS</u></b>											
<b>CI-1</b>  A Transportation Management Plan (TMP) will be developed during final design. The Project Engineer will require the construction contractor to implement the TMP during project construction to			Project Engineer / Resident Engineer / Contractor	During final design and construction							

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address short-term traffic circulation and access impacts during project construction. Specifically, during final design, a qualified traffic engineer will prepare the TMP, which will include, but not be limited to, the elements described below to reduce traveler delays and enhance traveler safety during project construction. The TMP will be approved by the City of Rialto Public Works Director, or designee, during final design and be incorporated into the plans, specifications, and estimates. The TMP for the proposed project will include the following elements and strategies: <ul style="list-style-type: none"> <li>• During construction, the contractor will be required to coordinate all road closures and detour plans</li> </ul>											

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with applicable fire, emergency, medical, and law enforcement providers, to minimize temporary delays in provider response times. <ul style="list-style-type: none"> <li>• The TMP will include construction staging, detours, and road closures, as applicable.</li> <li>• Traffic control plans and related specifications, to be completed during final design of the proposed project, will be developed in accordance with applicable city requirements. These plans and specifications will include elements such as: advance roadside signs and portable changeable message signs; traffic surveillance; lane/shoulder closures; and temporary signing/stripping on local</li> </ul>											

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streets and Interstate 10 (I-10). <ul style="list-style-type: none"> <li>• The proposed project will implement a public outreach program to keep the surrounding community abreast of the project's progress and construction activities.</li> <li>• Construction will be coordinated with nearby projects. Coordination is important to address possible temporary increases in traffic due to detours from nearby projects.</li> <li>• The proposed project will include provisions for maintaining pedestrian and bicycle access at all times during construction.</li> <li>• The proposed project will include contingency plans that specify the actions that will be taken in the event that something unexpected occurs with</li> </ul>											

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respect to construction activities or traffic operations. The contractor will review these plans and incorporate them into the contractor's contingency plan.											
<b>CI-2</b>  The contractor to coordinate all lane restrictions, roadway closures, and detour plans with law enforcement, fire protection, and emergency medical service providers to minimize temporary delays in emergency response times. Such coordination will include the identification of alternative routes for emergency vehicles and routes across the construction area.			Resident Engineer and Construction Contractor	Prior to Construction							



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<b>CI-3</b>  The construction contractor for the project will coordinate any such activities with utility service providers in the area to minimize the risk of disruption of services and damage to any utility facilities present within the project's disturbance limits, to ensure advance notification of any temporary service disruptions to the public, and to protect the safety of the construction workers and the general public.			Resident Engineer and Construction Contractor	Prior to Construction							
<b>CI-4</b>  The Project Engineer will prepare an updated utility survey to update information on known utility facilities as well as previously			Project Engineer	During PS&E phase							

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unidentified/unknown or new utility facilities within the disturbance limits of the project.											
<b>CULTURAL RESOURCES</b>											
<b>CUL-1</b> If buried cultural resources are encountered during construction, work will stop in that area until a qualified archaeologist has evaluated the nature and significance of the find.			Resident Engineer / Contractor	During Construction							
<b>CUL-2</b> The contractor to coordinate all lane restrictions, roadway closures, and detour plans with law enforcement, fire protection, and emergency medical service providers to			Resident Engineer / Contractor	During Construction							

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minimize temporary delays in emergency response times. Such coordination will include the identification of alternative routes for emergency vehicles and routes across the construction area.											
<b>CUL-3</b> Establishment of an Environmentally Sensitive Area (ESA) – the ESA delineated for this project will be included on all construction plans and documents in accordance with the ESA Action Plan.											
<b>CUL-4</b> Identification of Previously Unidentified Features that Contribute to the Historic Property – if any additional features that contribute to the historic property are identified in the ESA, prior											

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to or during construction, the Responsible Engineer shall be contacted and impacts, if any, to the feature, shall be avoided per the conditions listed here.											
<b>CUL-5</b>  Use of the Union Pacific Railroad's <i>Guidelines for Preparation of a Bridge Demolition and Removal Plan for Structures Over Railroad</i>											
<b>CUL-6</b>  Periodic Monitoring – the ESA will be monitored periodically by a Caltrans PQS Architectural Historian to ensure that the protective measures are being properly utilized.											
<b>CUL-7</b>			Project Engineer and Caltrans PQS	During PS&E Phase							

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The construction contractor for the project will coordinate any such activities with utility service providers in the area to minimize the risk of disruption of services and damage to any utility facilities present within the project's disturbance limits, to ensure advance notification of any temporary service disruptions to the public, and to protect the safety of the construction workers and the general public.											
<b>CUL-8</b>  ESA requirements shall be discussed at the pre-construction meeting with information provided by Caltrans PQS.			Project Engineer and Caltrans PQS	During PS&E phase							

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<b>CUL-9</b>  The project sponsor will discuss the importance of keeping all personnel and project activities outside of designated ESAs. (At this time, usefulness of marking the ESA out in the field using taped stakes, paint markings, or other method can be discussed.)			Project Engineer and Caltrans PQS	During PS&E Phase							
<b>CUL-10</b>  Caltrans PQS will be invited to meetings during construction on an as-needed basis if questions arise regarding either the resource or the ESA.			Resident Engineer, Caltrans PQS and Construction Contractor	During construction							
<b>CUL-11</b>  If the ESA is visually marked out in the field, the project sponsor must			Resident Engineer, Caltrans PQS and Construction Contractor	During construction							

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ensure that the marking method elements are maintained throughout the duration of the project.											
<b>CUL-12</b>  The project sponsor/project engineer must notify the Caltrans PQS within 24 hours of any ESA violations to determine how the violation will be addressed. The Caltrans PQS and/or District Environmental Branch Chief shall contact the Caltrans Cultural Studies Office as applicable within 48 hours of the ESA violation.			Resident Engineer, Caltrans PQS and Construction Contractor	During construction							
<b>CUL-13</b>  The project sponsor will notify the Caltrans PQS			Resident Engineer, Caltrans PQS	After construction							

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when construction is complete.											
<b>CUL-14</b>  Caltrans PQS will document post-construction conditions in order to confirm no adverse effect to resource.			Resident Engineer, Caltrans PQS	After construction							
<b><u>BIOLOGICAL RESOURCES</u></b>											
<b>BIO-1</b>  Prior to project construction, access to the railroad property will be obtained to inspect the bridge hinge more closely and confirm the suitability and quantity of any potential roosting habitat. This can be conducted during the Plan, Specification and Estimate (PS&E) stage, at which			Project Engineer / Project Biologist	Prior to Construction							



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time it will be determined if further bat surveys are required.											
<b>BIO-2</b>  If the culvert and/or UPRR bridge is found to provide suitable bat habitat, a qualified biologist will perform a preconstruction nighttime emergence survey during the summer months (June through August) to ascertain whether any bats are roosting in the culvert or bridge hinge. This can be conducted during the PS&E stage, which would allow time to identify handling, monitoring, and/or exclusion procedures prior to contract award. The nighttime survey should include the use of ultrasound acoustic equipment to aid in			Project Biologist	Prior to Construction							

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identifying bat species present, as well as exit counts. For emergence surveys at the UPRR bridge, access to UPRR property would not be necessary.											
<b>BIO-3</b> After the surveys are completed during the PS&E phase, and if bats are found, measures to minimize potential adverse effects to roosting bats and avoid direct mortality will be determined and implemented by a qualified bat biologist. These measures may include humane eviction/exclusion and/or construction monitoring.			Project Engineer / Project Biologist	During PS&E phase and during construction							

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<b>BIO-4</b>  UPRR bridge construction, and ornamental tree/shrub removal should be completed outside of bird breeding season (typically set as February 15 through August 31). In the event that tree/shrub removal cannot be conducted outside the bird breeding season, focused surveys will be conducted by a qualified biologist prior to ground-disturbing activities. Should nesting birds be found, an exclusionary buffer will be established by a qualified biologist. The buffer may be up to 500 feet in diameter depending on the species of nesting bird found. This buffer will be clearly marked in the field by construction personnel			Biological Monitor and Construction Contractor	During construction							

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under guidance of the qualified biologist, and construction or clearing will not be conducted within this zone until the qualified biologist determines that the young have fledged or the nest is no longer active.											
<b>BIO-5</b>  Prior to project construction, and during the nesting season, access to the railroad property will be obtained to more closely inspect the bridge structure for nesting bird activity. This can be conducted during the PS&E stage. For nesting birds found to be utilizing the UPRR bridge structure, exclusionary devices and nest			Project Engineer and Project Biologist	During PS&E phase							

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prevention methods, designed to prevent birds from utilizing the bridge, will be determined and implemented by a qualified biologist. Exclusionary devices must be installed prior to the initiation of nesting season (February 15), and before any bridge demolition and other bridge construction activities begin.											
<b>BIO-6</b> Nesting bird habitat within the BSA will be resurveyed during bird breeding season if there is a lapse in construction activities longer than 7 days.			Biological Monitor and Construction Contractor	During construction							
<b>BIO-7</b> During construction, soil and vegetation disturbance will be			Resident Engineer and Construction Contractor	During construction							

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minimized to the greatest extent feasible											
<b>BIO-8</b> During construction, the construction contractor will ensure that all active portions of the construction site are watered as needed to prevent excessive amounts of dust due to dry or windy conditions.			Resident Engineer and Construction Contractor	During construction							
<b>BIO-9</b> During construction, the construction contractor will ensure that all material stockpiled is sufficiently watered or covered to prevent excessive amounts of dust.			Resident Engineer and Construction Contractor	During construction							
<b>BIO-10</b>			Resident Engineer and Construction Contractor	During construction							

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During construction, soil/gravel/rock will be obtained from weed-free sources.											
<b>BIO-11</b>  Only certified weed-free straw, mulch, and/or fiber rolls will be used for erosion control.			Resident Engineer and Construction Contractor	During construction							
<b>BIO-12</b>  The proposed project has the potential to spread invasive species by the entering and exiting of construction equipment contaminated by invasive species, the inclusion of invasive species in seed mixtures and mulch, and by the improper removal and disposal of invasive species so that seed is spread. The following measures will be implemented to mitigate			Resident Engineer and Construction Contractor	During and after construction							

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<p>the potential of invasive species from spreading from or into the project area:</p> <ul style="list-style-type: none"> <li>• Vehicles will be evaluated for weed seed prior to entry on site and are required to be cleaned of weed seed and invasive plant materials prior to working on site.</li> <li>• All mulch, topsoil, and seed mixes used during any post-construction landscaping activities and erosion-control Best Management Practices (BMPs) implemented will be free of invasive plant species propagules.</li> <li>• Trucks with loads carrying vegetation shall be covered, and vegetative materials removed from the site</li> </ul>											



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										YES	NO
<p>shall be disposed of in accordance with all applicable laws and regulations.</p> <ul style="list-style-type: none"> <li>• After construction, all revegetated areas will avoid the use of species listed on California Invasive Plant Council's (Cal-IPC's) California Invasive Plant Inventory that have a high or moderate rating.</li> <li>• Eradication procedures (e.g., spraying and/or hand weeding) will be outlined should an infestation occur; the use of herbicides will be prohibited within and adjacent to native vegetation, except as specifically authorized and monitored by a qualified biologist.</li> </ul>											

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									YES	NO
<b>HAZARDOUS WASTE</b>										
<b>HW-1</b> A hazardous building materials survey with laboratory analytical testing will be conducted to evaluate the presence of asbestos containing materials and lead-based paint during PS&E prior to construction.			Project Engineer / Resident Engineer	During PS&E phase						
<b>HW-2</b> Conduct soil sampling for aerially deposited lead (ADL) in unpaved locations adjacent to the roadway within project area. The analytical results of the soil sampling will determine the appropriate handling of the soil and disposal of surplus materials. Excavated hazardous			Project Engineer / Resident Engineer	During PS&E phase and construction						

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										YES	NO
soils would require removal and disposal at a landfill permitted to accept hazardous materials. Refer to Caltrans Standard Special Provisions for additional information on the disposal of soils impacted with ADL.											
<b>HW-3</b> Utility pole transformers will be tested for polychlorinated biphenyls (PCBs) if they are found to be leaking prior to or during construction. PCB-containing material will be disposed of consistent with State regulations.			Project Engineer / Resident Engineer	During PS&E phase and construction							
<b>HW-4</b> Petroleum pipelines will be located as part of the utility search and appropriate procedures			Project Engineer / Resident Engineer	During PS&E phase and construction							

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										YES	NO
will be followed with respect to activities in the vicinity of these pipelines.											
<b>HW-5</b>  If hazardous materials contamination or sources are suspected or identified during construction, an environmental professional will evaluate the course of action required. This course of action will follow procedures equivalent to the Unknown Hazards Procedures described in Chapter 7 of the Caltrans Construction Manual (August 2006).			Resident Engineer / Construction Contractor	During construction							
<b><u>NOISE</u></b>											
<b>NOI-1</b>  Section 9.50.050 of the City of Rialto Municipal			Resident Engineer / Contractor	Construction							

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										YES	NO
Code limits the use of pile drivers, steam or gasoline shovels, pneumatic hammers, steam or electric hoists, or other similar devices to between the hours of 7:00 a.m. and 8:00 p.m. for all zones.											
<b>NOI-2</b>  The contractor shall adhere to Caltrans Standard Specifications for Construction (Section 14-8.02) within Caltrans right-of-way.			Resident Engineer / Contractor	Construction							
<b><u>WATER QUALITY</u></b>											
<b>WQ-1</b>  The proposed project shall comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated			Resident Engineer / Contractor	Construction							

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										YES	NO
<p>with Construction and Land Disturbance Activities (Construction General Permit [CGP]) Order No. 2009-0009-DWQ, or any other subsequent permit. The project shall comply with the CGP by preparing and implementing a Storm Water Pollution Prevention Plan (SWPPP) to address all construction-related activities, equipment, and materials that have the potential to impact water quality for the appropriate Risk Level. The SWPPP shall identify the sources of pollutants that may affect the quality of storm water and include Best Management Practices (BMPs) to control the pollutants, such as Sediment Control, Catch</p>											

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										YES	NO
Basin Inlet Protection, Construction Materials Management, and Non-Storm Water BMPs. All work shall conform to the Construction Site BMP requirements specified in the latest edition of the Caltrans Storm Water Quality Handbooks: Construction Site Best Management Practices Manual to control and minimize the impacts of construction and construction-related activities, materials, and pollutants on the watershed. These include, but are not limited to, temporary sediment control, temporary soil stabilization, concrete waste management, street sweeping and vacuuming, wind erosion control, and											

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										YES	NO
other non-storm water BMPs.											
<b>WQ-2</b>  The proposed project shall comply with the provisions of the NPDES Permit and Waste Discharge Requirements (WDRs) for the San Bernardino County Flood Control District, the County of San Bernardino, and the Incorporated Cities of San Bernardino County within the Santa Ana Region, Order No. R8-2010-0036, NPDES No. CAS618036, or any subsequent permit. The proposed project would follow the City's Local Implementation Plan (LIP) to implement the Municipal Storm Water Management Program (MSWMP) and would			Resident Engineer / Contractor	Prior to and during construction							



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										YES	NO
implement the Monitoring and Report Program (MRP), including the Integrated Watershed Monitoring Program (IWMP) and a regional monitoring program. The NPDES Permit shall include implementation of Treatment Control BMPs to the maximum extent practicable. Treatment Control BMPs for the proposed project include three drainage inlet filter inserts. Additionally, in compliance with the Water Quality Management Plan (WQMP) prepared for the NPDES Permit, a final project-specific WQMP shall be prepared.											
<b>WQ-3</b> The proposed project would be required to comply with the standards set forth in Chapter 12.60,			Resident Engineer / Contractor	Prior to and during construction							

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										YES	NO
Municipal Separate Storm Sewer System, of the City of Rialto's Municipal Code. Implementation of the City's Municipal Code would ensure the health and safety of the City by prescribing reasonable regulations to control nonstorm water discharges containing pollutants into the City's municipal separate storm sewer system to the maximum extent practicable, thereby fully complying with the terms of the municipal NPDES Permit.											