

**RESOLUTION NO. 2004-458**

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF JUN 15 2004

**MAIN AVENUE BRIDGE REPLACEMENT PROJECT (PN: TF07) – APPROVE PRELIMINARY DESIGN; DIRECT STAFF TO PROCEED WITH FINAL DESIGN AND PREPARATION OF CONSTRUCTION DOCUMENTS; AND APPROVE NEGATIVE DECLARATION AND ADOPT MITIGATION REPORTING PLAN**

**WHEREAS**, the City of Sacramento has determined the need for the Main Avenue Bridge Project (PN:TF07) (hereinafter called the "Project") and has conditionally included the Project in the City of Sacramento Capital Improvement Program pending the California Environmental Quality Act and National Environmental Policy Act (CEQA/NEPA) compliance;

**WHEREAS**, the City of Sacramento has prepared an Initial Study and Mitigated Negative Declaration for the Project;

**WHEREAS**, this Initial Study and Mitigated Negative Declaration have been circulated for public review and comment pursuant to the California Environmental Quality Act (CEQA);

**WHEREAS**, on the basis of the whole record before it, the City has determined that there is no substantial evidence that the project, with mitigation measures as identified in the Initial Study, will have a significant effect on the environment;

**WHEREAS**, this Mitigated Negative Declaration reflects the lead agency's independent judgement and analysis;

**WHEREAS**, in accordance with Section 21081.6 of the California Public Resources Code, the City of Sacramento requires that a Mitigation Reporting Plan be developed for implementing mitigation measures as identified in the Initial Study for the project; and

**WHEREAS**, the Environmental Manager has prepared a Mitigation Reporting Plan for ensuring compliance and implementation of the mitigation measures as prescribed in the Initial Study for the Project.

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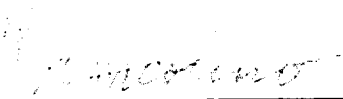
DATE ADOPTED: JUN 15 2004

**NOW, THEREFORE BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:**

1. The preliminary design is approved and staff is directed to proceed with final design and preparation of construction documents.
2. The Negative Declaration is approved and the Mitigation Reporting Plan (Exhibit A) is adopted.

  
MAYOR

ATTEST:

  
CITY CLERK

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**Main Avenue Bridge Replacement Project  
Mitigation Reporting Plan**

In January 1989, Assembly Bill 3180 went into effect requiring the City to monitor all mitigation measures applicable to this project and included in the Mitigated Negative Declaration. For this project, mitigation reporting will be performed by the City of Sacramento Public Works Department in accordance with the monitoring and reporting program developed by the City to implement AB 3180.

This Mitigation Reporting Plan is being prepared by the Planning and Building, Environmental Planning Services, 1231 I Street, Suite 300, Sacramento, CA 95814, (916) 808-5656, pursuant to the California Environmental Quality Guidelines, Section 21081.

The Public Works Department will submit its completed Reporting Plan to Environmental Planning Services for inclusion in the annual report to the City Council.

**Project Number:** TF07

**Project Name:** Main Avenue Bridge Replacement Project

**Project Location:** The project is located in the City of Sacramento, along Main Avenue between Northgate Boulevard and Pell Drive. The Main Avenue Bridge provides access over Steelhead Creek and the Natomas East Main Drainage Canal (NEMDC).

**Project Description:** The project proposes to replace the existing bridge with a four-lane, elevated structure which will span Steelhead Creek, the NEMDC and existing Union Pacific Railroad tracks. The proposed bridge structure will be approximately 821 feet long and approximately 80 feet wide. The new bridge will require two new abutments and six new bent supports. The new structure will accommodate four lanes of traffic and shoulders for standard bicycle lanes, as well as providing pedestrian access. Due to the proposed bridge elevation, the roadway-to-bridge approaches will transition down to meet existing grade and will result in modifications to the existing street improvements and overhead utilities, including access, parking, and landscaping for adjacent business/industrial park uses.

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**MITIGATION REPORTING PROGRAM CHECKLIST FOR THE MAIN AVENUE BRIDGE REPLACEMENT PROJECT  
MITIGATED NEGATIVE DECLARATION (TF07)**

Mitigation Measure	Reporting Milestone	Reporting / Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
Remarks				
<p><b>1. HYDROLOGY, WATER QUALITY AND STORMWATER RUNOFF</b></p> <p>WQ-1 Standard Best Management Practices (BMP), Caltrans-mandated water quality and erosion control measures, and NPDES permit requirements will reduce the potential for water quality impacts during and post-construction. The following measures are recommended for inclusion on construction specifications to prevent significant water quality impacts. Final selection of BMPs should be done in consultation with the RWQCB, Caltrans, City, and other appropriate agencies and are required to be implemented during construction process.</p> <ul style="list-style-type: none"> <li>• Work within the live channel of the NEMDC would be limited to the period between June 1 through October 15.</li> <li>• Land disturbing activities and the installation of erosion and sedimentation control practices shall be coordinated to reduce on-site erosion and off-site sedimentation. These measures may include mulches (above the mean high water line only), soil binders, and erosion control blankets, silt fencing, fiber rolls, sediment desilting basins, sediment traps, and check dams.</li> <li>• Existing vegetation shall be protected where feasible to provide an effective form of erosion and sediment control, as well as watershed protection, landscape beautification, dust and pollution control, noise reduction, and shade.</li> <li>• The area of construction and disturbance will be limited to as small an area as feasible.</li> <li>• Loose bulk materials shall be applied to the soil surface as a temporary cover to protect bare soils from rainfall impact, increase infiltration, and reduce runoff and erosion.</li> <li>• Stabilizing materials shall be applied to the soil surface to prevent the movement of dust at the project site due to traffic, wind, and grading activities.</li> <li>• Roughening and terracing shall be implemented, as feasible, to reduce erosion potential, decrease runoff velocities, trap sediment and aid in the</li> </ul>	<p>Before, during and post construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>Public Works Department and Contractor</p>		

establishment of vegetative cover from seed, and increase infiltration into soil.

- Cut and fill and graded areas shall be revegetated, as soon as practical, with permanent landscaping using native species. Hydroseeding will be implemented as a temporary measure, if feasible.
- Provide berms along the tops of slopes to prevent water from running uncontrolled down the slopes.
- Collect the water in these berms and take it down the slopes in an erosion-proof drainage system. Sediment that is collected within these berms will be allowed to "settle out" and will be removed from the site.
- All demolished or unused bridge material will be hauled off-site.
- All erosion control measures and storm water control measures will be properly maintained until the site has returned to a pre-construction state. The condition and effectiveness of the measures will be periodically monitored until they are removed. At a minimum, all measures should be inspected after every rain event and weekly throughout the rainy season.
- Construction roadways and staging areas will be properly protected to prevent excess erosion and sedimentation.
- All vehicle and equipment maintenance procedures will be conducted off-site. In the event of an emergency, maintenance will occur away from the NEMDC channel.
- All concrete curing activities will be conducted to minimize spray drift and prevent curing compounds from entering the waterway directly or indirectly.
- A spill prevention and countermeasure plan will be prepared for the project.
- All construction materials, vehicles, stockpiles, and staging areas will be situated outside of the NEMDC channel as feasible. All stockpiles will be covered, as feasible.
- A water pollution control plan shall be prepared and will include measures to avoid creating contaminants, minimize the release of contaminants, and water quality control measures to minimize contaminants from entering surface water or percolating into the ground.
- Fluvial erosion and water pollution related to construction is controlled by a construction water pollution control program which shall be filed with the appropriate agency and kept current throughout any site development phase.
- The water pollution control plan shall include best management practices as appropriate, given the specific circumstances of the site and/or project.
- As a requirement of the NPDES permit, the contractor will prepare a Stormwater Pollution Prevention Plan (SWPPP).

WQ-2 All measures specified in the City's NPDES permit (BMP requirements)

<p>and compliance with the City's Grading, Erosion, and Sediment Control Ordinance are also required.</p>				
<p><b>2. HAZARDOUS WASTE/MATERIALS</b></p> <p>HW -1 Project plans and construction specifications should address the removal and disposal of the thermoplastic roadway stripes. Work practices and worker health and safety shall conform to Section 1532.1, "Lead," of Construction Safety Orders Title 8, of the California Code of Regulations.</p>	<p>Before and during Construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>Public Works Department and Contractor</p>		
<p><b>3. AIR QUALITY</b></p> <p>AQ-1 The following measure would reduce or minimize air pollutant emissions associated with asphalt paving: the construction contractor shall adhere to the requirements of the SMAQMD rule 453 on cutback and emulsified asphalt paving materials.</p> <p>AQ-2 Caltrans Standard Construction Specifications, SMAQMD rules (including Rule 403) shall be followed to reduce emissions. Below is a list of Caltrans standard measures provided to reduce the emission of fugitive dust. Compliance with these standard measures will lessen the fugitive dust (PM<sub>10</sub>) impact during construction.</p> <ul style="list-style-type: none"> <li>• All disturbed areas, including storage piles, that are not being actively utilized for construction purposes, shall be effectively stabilized for dust emissions using water, chemical stabilizers/suppressants, or vegetative ground cover.</li> <li>• All on-site unpaved roads and off-site unpaved access roads shall be effectively stabilized for dust emissions using water or chemical stabilizers/suppressants.</li> <li>• All land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill, and demolition activities shall be effectively controlled for fugitive dust emissions utilizing applications of water, or by presoaking.</li> <li>• When materials are transported off site, all material shall be covered or effectively wetted to limit visible dust emission; or at least six inches of freeboard space from the top of the container shall be maintained.</li> <li>• All operations shall limit or expeditiously remove the accumulation of mud or dirt from adjacent public streets at least once every 24 hours when</li> </ul>	<p>Before and during construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>Public Works Department and Contractor</p>		

<p>operations are occurring. The use of dry rotary brushes is expressly prohibited, except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. The use of blower devices is expressly forbidden.</p> <ul style="list-style-type: none"> <li>• Following the addition of materials to, or the removal of materials from, the surface of outdoor storage piles, said piles shall be effectively stabilized for fugitive dust emissions utilizing sufficient water or chemical stabilizers/suppressants.</li> <li>• Traffic speeds on unpaved roads shall be limited to 15 miles per hour (mph).</li> <li>• Sandbags or other erosion control measures shall be installed to prevent silt runoff to public roadways from sites with a slope greater than one percent.</li> <li>• Wheel washers for all exiting trucks shall be installed, or all trucks and equipment washed off before leaving the site.</li> <li>• Wind breaks shall be installed at windward side(s) of construction areas.</li> <li>• Excavation and grading activity shall be suspended when winds exceed 20 mph.</li> <li>• Area subject to excavation, grading, and other construction activity shall be limited at any one time.</li> </ul> <p>AQ-3 The construction contractor shall comply with Sacramento City Code, Chapter 15.40 regulating construction site and demolition activities (Sections 15.40.050 and 15.44.170). Accordingly, any person who has been issued a permit for any work covered by this code shall take reasonable precautions to prevent and control the movement of dust created by work activities to adjoining public or private property. Such dust shall be immediately settled by wetting the same. Work activities shall be stopped during periods of high winds that may carry dust from the job site before it can be settled by wetting.</p> <ul style="list-style-type: none"> <li>• The permittee (contractor) shall be responsible for maintaining clean public streets, sidewalks and alleys in the immediate vicinity of the job site during and after the period of work activity. The permittee shall remove all mud and dust from any public property which was deposited there by any activity related to the work. In order to prevent mud and other material from entering any public sewer, the permittee shall properly pond any affected gutter to permit such material to settle and shall remove such material from public property. This procedure shall be in accordance with the requirements and policies of the city water and sewer division. The permittee shall obtain any necessary permits for water from the manager of said division.</li> <li>• All dust resulting from wrecking or demolition operations shall be immediately settled by wetting the same with water of sufficient quantity to prevent the dust from leaving the site of the demolition or wrecking project.</li> </ul>					
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<p>Demolition shall be stopped during periods of high winds that carry the dust from the site before it can be settled by wetting. The permittee shall be responsible for maintaining clean public streets during such operation. The permittee must obtain the necessary permits for water from the manager of the division of water and sewers and pay for such permits and for water used.</p> <ul style="list-style-type: none"> <li>The permittee shall wash off public property to remove all silt and dust. In order to prevent such material from entering any public sewer, the permittee shall properly pond the gutter in order to permit such material to settle, and it shall be then cleaned up and hauled away. This procedure shall be followed in accordance with the requirements and policies of the water and sewers division.</li> </ul> <p>AQ-4 The following measures are required during implementation to reduce air pollutants, especially NO<sub>x</sub>, generated by vehicle and equipment exhaust during the project construction phase:</p> <ul style="list-style-type: none"> <li>The construction contractor shall select the construction equipment used on site based on low emission factors and high energy efficiency. The construction contractor shall ensure that construction grading plans include a statement that all construction equipment will be tuned and maintained in accordance with the manufacturer's specifications.</li> <li>The construction contractor shall utilize electric or diesel powered equipment in lieu of gasoline powered engines where feasible.</li> <li>The construction contractor shall ensure that construction grading plans include a statement that work crews will shut off equipment when not in use.</li> <li>The construction contractor shall time the construction activities so as not to interfere with peak hour traffic, and to minimize obstruction of through traffic lanes adjacent to the site; if necessary, a flagperson shall be retained to maintain safety adjacent to existing roadways.</li> <li>The construction contractor shall support and encourage ridesharing and transit incentives for the construction crew.</li> </ul> <p>4. NOISE</p> <p>NO-1 Initial construction has the potential to create noise impacts at the residences located on Main Avenue adjacent to the commercial uses within the project vicinity. In addition to the City's Noise Ordinance and Caltrans Standard Specifications, the following measures are recommended to reduce these impacts.</p> <ul style="list-style-type: none"> <li>Portable equipment shall be located as far as possible from the nearest residence, as feasible.</li> <li>Construction vehicle staging areas and equipment maintenance areas shall be located as far as possible from the nearest residence, as feasible.</li> </ul>	<p>During construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>Public Works Department and Contractor</p>		
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<ul style="list-style-type: none"> <li>All equipment shall have sound control devices no less effective than those provided on the original equipment. No equipment shall have an unmuffled exhaust.</li> <li>As directed by the City, the contractor shall implement appropriate additional noise abatement measures including, but not limited to, shutting off idling equipment, rescheduling construction activities, notifying adjacent residents in advance of construction work, and utilizing construction equipment with tires, not tracks.</li> <li>Limiting construction activities to daylight hours on weekdays would reduce the exposure to construction noise impacts.</li> </ul>	<p>Before construction</p>	<p>Planning Department, Public Works Department and Contractor</p>		
<p><b>6. WETLANDS AND OTHER WATERS OF THE U.S.</b></p> <p><i>WE-1</i> The temporary effects to Steelhead Creek during removal of the existing bridge piles will require a Section 1600 Streambed Alteration Agreement from CDFG.</p> <p><i>WE-2</i> To ensure that wetlands are protected during construction activities, fencing will be placed around wetlands identified in the Natural Environment Study Report.</p>	<p>Before and during construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>Public Works Department and Contractor</p>		
<p><b>7. VEGETATION</b></p> <p><i>VEG-1</i> To avoid the introduction of invasive species into the BSA during project construction, contract specifications shall include, at a minimum, the following measures.</p> <ul style="list-style-type: none"> <li>All earthmoving equipment to be used during project construction shall be thoroughly cleaned before arriving on the project site.</li> <li>All seeding equipment (i.e., hydroseed trucks) shall be thoroughly rinsed at least three times prior to beginning seeding work.</li> <li>To avoid spreading rattlebox and other invasive species to off-site areas, all equipment shall be thoroughly cleaned before leaving the site.</li> </ul>	<p>Before and during construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>Biological consultant, Public Works Department, and Planning Department</p>		
<p><b>8. WILDLIFE</b></p> <p><i>WI-1</i> To mitigate impacts to swallow species, the following measure is required.</p> <ul style="list-style-type: none"> <li>Since work will be conducted during the swallow nesting season (March 1 to August 31), a qualified company shall be hired to exclude the swallows prior to March 1 (the start of their nesting season). Exclusion structures (e.g., netting) shall be left in place and maintained through August 31 (each construction season) or until all work is complete. Exclusion structures will be required on the existing bridge, prior to the start of construction of the new bridge, to prevent swallows from building nests. Exclusion structures may also be necessary on the new bridge, prior to the start of demolition of the existing bridge, if swallows attempt to nest on the new bridge.</li> </ul>	<p>Before and during construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>Biological consultant, Public Works Department, and Planning Department</p>		

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<p>W/-2 To mitigate impacts to waterfowl, the following measures are required.</p> <ul style="list-style-type: none"> <li>• Preconstruction surveys shall be conducted by a qualified biologist no more than ten days prior to the start of construction. If nesting birds are identified in the project area, CDFG shall be contacted and a work window may be implemented for portions of the project (i.e., depending on the proximity to the nest).</li> <li>• All construction will be conducted during daylight hours.</li> </ul>				
<p>9. THREATENED AND ENDANGERED SPECIES</p> <p>FHWA, as the federal lead agency for the project, is responsible for initiating Section 7 consultation with USFWS and/or NMFS for impacts to giant garter snake and Central Valley steelhead, and EFH for Central Valley chinook salmon.</p> <p>TE-1 To mitigate impacts to Grasshopper Sparrow, the following measures are required.</p> <ul style="list-style-type: none"> <li>• A preconstruction survey shall be conducted by a qualified biologist no more than ten days prior to the start of construction. If nesting birds are identified in the project area, CDFG shall be contacted and a work window may be implemented for portions of the project (i.e., depending on the proximity to the nest).</li> <li>• All construction will be conducted during daylight hours.</li> </ul> <p>TE-2 A qualified biologist will survey the BSA and adjacent areas for burrowing owls no more than 30 days prior to the start of construction. If burrowing owls, or evidence of burrowing owls, are identified, CDFG shall be contacted to determine an appropriate course of action.</p> <p>TE-3 The following measures are required to mitigate impacts to Swainson's Hawk.</p> <ul style="list-style-type: none"> <li>• The potential nest tree (arroyo willow) in the BSA shall be removed between September 15 and February 15. If removal cannot be conducted during this time frame, a preconstruction survey shall be conducted by a qualified biologist no more than ten days prior to the start of construction. If Swainson's hawk or other raptors are observed nesting, CDFG shall be contacted and a work window may be implemented for portions of the project (i.e., depending on the proximity to the nest).</li> <li>• All construction will be conducted during daylight hours.</li> </ul> <p>TE-4 The following measures are required to mitigate impacts to white-tailed kite.</p> <ul style="list-style-type: none"> <li>• The potential nest tree in the BSA shall be removed between September 15 and February 15. If removal cannot be conducted during this time frame, a preconstruction survey shall be conducted by a qualified biologist no more than ten days prior to the start of construction. If kites or other raptors are observed nesting, CDFG shall be contacted and a work window may be</li> </ul>	<p>Before, during and after construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>FHWA, Biological consultant, Planning Department, Public Works Department, Contractor</p>		

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implemented for portions of the project (i.e., depending on the proximity to the nest).

- All construction will be conducted during daylight hours.
- TE-5 Minimization measures shall include the following provisions outlined in the "Standard Avoidance and Minimization Measures During Construction Activities in Giant Garter Snake Habitat."
- Avoid construction activities within 200 feet from the banks of giant garter snake aquatic habitat. Confine movement of heavy equipment to existing roadways to minimize habitat disturbance.
- Construction activity within habitat will be conducted between May 1 and October 1. This is the active period for giant garter snakes and direct mortality is lessened because snakes are expected to actively move and avoid danger. Between October 2 and April 30 contact the USFWS's Sacramento Fish and Wildlife Office to determine if additional measures are necessary to minimize and avoid take.
- Confine clearing to the minimal area necessary to facilitate construction activities. Flag and designate avoided giant garter snake habitat within or adjacent to the project area as Environmentally Sensitive Areas. This area will be avoided by all construction personnel.
- Construction personnel will receive USFWS-approved worker environmental awareness training. This training instructs workers to recognize giant garter snakes and their habitat(s).
- 24-hours prior to construction activities, the project area will be surveyed for giant garter snakes. Survey of the project area will be repeated if a lapse in construction activity of two weeks or greater has occurred. If a snake is encountered during construction, activities shall cease until appropriate corrective measures have been completed or it has been determined that the snake will not be harmed. Report any sightings and any incidental take to the USFWS immediately by telephone at (916) 414-6600.
- The conservation measures, as identified in Table 2-19 of the Mitigated Negative Declaration, will be implemented to minimize the effects of loss and disturbance of habitat on giant garter snakes. Replacement ratios are based on the acreage and on the duration of disturbance.
- The project will result in less than 20 acres of temporary impacts to giant garter snake habitat lasting two or three seasons. The project will not result in a net permanent loss of giant garter snake habitat. Due to these factors, it was determined that the project will qualify as Level 2 or Level 3 impacts, depending on project duration. Following project completion, the impacts will be mitigated by restoration plus 1:1 or 2:1 replacement of giant garter snake habitat.

TE-6 Following project completion, all areas temporarily disturbed during

construction will be restored following the "Guidelines for Restoration and/or Replacement of Giant Garter Snake Habitat" outlined below.

- The disturbed area will be regraded to its preexisting contour and ripped, if necessary, to decompact the soil.
- The area will be hydroseeded after earth disturbing construction activities. Specific timing will be weather dependent to keep the seed down. Hydroseed mix will contain at least 20-40 percent native grass seeds. Some acceptable native grasses include annual fescue (*Vulpia* spp.), California brome (*Bromus carinatus*), blue wildrye (*Elymus glaucus*), and needle grass (*Nassella* spp.). The seed mix shall also contain 2-10 percent native forb seeds, five percent rose clover (*Trifolium hirtum*), and five percent alfalfa (*Medicago sativa*). Approximately 40-68 percent of the mixture may be non-aggressive European annual grasses, such as wild oats (*Avena sativa*), wheat (*Triticum* sp.), and barley (*Hordeum vulgare*). Aggressive non-native grasses will not be included in the seed mix. These grasses include perennial ryegrass (*Lolium perenne*), cheatgrass (*Bromus tectorum*), fescue (*Festuca* sp.), giant reed (*Arundo donax*), medusa-head (*Taeniatherum caput-medusae*), or Pampas grass (*Cortaderia selloana*). Endophyte-infected grasses will not be included in the seed mix.
- TE-7 Replacement of giant garter snake habitat will be satisfied through purchase of mitigation credits at the Natomas Basin Conservancy (NBC) or Pope Ranch Conservation Bank. The NBC is preferred due to its nearby location in the Natomas area. The Pope Ranch Conservation bank is located in Davis, California. It is assumed that the project will be completed in two seasons. Consequently, a total of 1.1 ha (2.8 ac) of mitigation credits will be purchased to satisfy the 1:1 replacement ratio for temporary impacts to 1.1 ha (2.8 ac) of giant garter snake upland habitat. If a third construction season is needed, an additional 1.1 ha (2.8 ac) of mitigation credits will be purchased.
- TE-8 In addition to the above measures, the following avoidance and minimization measures will also be implemented for giant garter snake.
  - All construction will be conducted during daylight hours.
  - In October, following each construction season, all areas temporarily disturbed during construction (e.g., equipment storage and access areas) will be reseeded with erosion control seeding consisting of a sterile, non-proliferating grass species such as cereal barley or regreen. The seed mix shall not include any fertilizers or chemicals.
  - Measures consistent with the current Caltrans' Construction Site BMPs Manual (including the SWPPP and Water Pollution Control Program [WPCP] Manuals [[http://www.dot.ca.gov/hq/construct/Construction\\_Site\\_BMPs.pdf](http://www.dot.ca.gov/hq/construct/Construction_Site_BMPs.pdf)]) will be implemented to minimize effects to giant garter snake (e.g., siltation, etc.) during construction. Compliance with the City's BMPs relating to

<p>construction sites are also required.</p> <p>TE-9 A WPCP shall be prepared by the contractor in accordance with typical provisions associated with a Regional General Permit for Construction Activities (on file with the Central Valley RWQCB). The WPCP will contain a Spill Response Plan with instructions and procedures for reporting spills, the use and location of spill containment equipment, and the use and location of spill collection materials.</p> <p>TE-10 The following measure is required to mitigate impacts to western pond turtle.</p> <ul style="list-style-type: none"> <li>• All construction will be conducted during daylight hours.</li> </ul> <p>TE-11 The following measures are required to mitigate impacts to River Lamprey and Pacific Lamprey.</p> <ul style="list-style-type: none"> <li>• All instream work will be conducted between August 1 and September 30, which is within the seasonal work window suggested by NMFS to minimize effects to migrating salmonids.</li> </ul> <p>TE-12 The following measures are required to mitigate impacts to Central Valley Steelhead and Central Valley Fall-Run Chinook Salmon.</p> <ul style="list-style-type: none"> <li>• All instream work (i.e., removal of existing piles) will be conducted between June 1 and October 1, which is within the seasonal work window suggested by NMFS to minimize effects to migrating salmonids.</li> <li>• All construction will be conducted during daylight hours.</li> <li>• Measures consistent with the current Caltrans' Construction BMPs Manual (including the SWPPP and WPCP Manuals [<a href="http://www.dot.ca.gov/hq/construct/Construction_Site_BMPs.pdf">http://www.dot.ca.gov/hq/construct/Construction_Site_BMPs.pdf</a>]) will be implemented to minimize effects to Central Valley steelhead and Central Valley fall-run chinook salmon (e.g., siltation, etc.) during construction.</li> <li>• In October, following each construction season, all areas temporarily disturbed during construction (e.g., equipment storage and access areas) will be reseeded with erosion control seeding consisting of a sterile, non-proliferating grass species such as cereal barley or regreen. The seed mix shall not include any fertilizers or chemicals.</li> </ul> <p>TE-13 The following measures are also required to mitigate impacts to Central Valley Steelhead and Central Valley Fall-Run Chinook Salmon. Following project completion, all areas temporarily disturbed during construction will be restored following the "Guidelines for Restoration and/or Replacement of Giant Garter Snake Habitat" outlined below.</p> <ul style="list-style-type: none"> <li>• The disturbed area will be regraded to its preexisting contour and ripped, if necessary, to decompact the soil.</li> <li>• The area will be hydroseeded. Hydroseed mix will contain at least 20-40 percent native grass seeds. Some acceptable native grasses include</li> </ul>		
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<p>annual fescue (<i>Vulpia</i> spp.), California brome (<i>Bromus carinatus</i>), blue wildrye (<i>Elymus glaucus</i>), and needle grass (<i>Nassella</i> spp.). The seed mix shall also contain 2-10 percent native forb seeds, five percent rose clover (<i>Trifolium hirtum</i>), and five percent alfalfa (<i>Medicago sativa</i>). Approximately 40-68 percent of the mixture may be non-aggressive European annual grasses, such as wild oats (<i>Avena sativa</i>), wheat (<i>Triticum</i> sp.), and barley (<i>Hordeum vulgare</i>). Aggressive non-native grasses will not be included in the seed mix. These grasses include perennial ryegrass (<i>Lolium perenne</i>), cheatgrass (<i>Bromus tectorum</i>), fescue (<i>Festuca</i> sp.), giant reed (<i>Arundo donax</i>), medusa-head (<i>Taeniatherum caput-medusae</i>), or Pampas grass (<i>Cortaderia seloana</i>). Endophyte-infected grasses will not be included in the seed mix.</p> <p><b>TE-14</b> The following measures are required to mitigate impacts to Sacramento splittail.</p> <ul style="list-style-type: none"> <li>All instream work (i.e. removal of existing bents/piles) will be conducted between August 1 and September 30 to minimize effects to splittail as this species is least likely to occur in the BSA during this period.</li> <li>All construction will be conducted during daylight hours.</li> </ul>	<p>Public Works Department and Contractor</p>				
<p><b>20. HISTORICAL RESOURCES</b></p> <p><b>CU-1</b> The following standard mitigation measures are required.</p> <ul style="list-style-type: none"> <li>If subsurface archaeological or historical remains are discovered during construction, work in the area shall stop immediately and a qualified archaeologist and a representative of the Native American Heritage Commission (NAHC) shall be consulted to develop, if necessary, further mitigation measures to reduce any archaeological impact to a less than significant level before construction continues.</li> <li>If human burials are encountered, all work in the area shall stop immediately and the Sacramento County Coroner's office shall be notified immediately. If the remains are determined to be Native American in origin, both the NAHC and any identified descendants must be notified and recommendations for treatment solicited (CEQA Section 15064.5); Health and Safety Code Section 7050.5; Public Resources Code Section 5097.94 and 5097.98.</li> </ul>	<p>Public Works Department and Contractor</p>				

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