

**LOWER SYCAMORE CREEK WIDENING AND  
PUNTA GORDA STREET BRIDGE REPLACEMENT PROJECT  
MST2009-00374**

**MITIGATION MONITORING AND REPORTING PROGRAM**

**PURPOSE**

The purpose of the Lower Sycamore Creek Widening and Punta Gorda Street Bridge Replacement Project Mitigation Monitoring and Reporting Program (MMRP) is to ensure compliance with all mitigation measures identified in the Final Mitigated Negative Declaration to mitigate or avoid potentially significant adverse environmental impacts resulting from the proposed project. The implementation of this MMRP shall be accomplished by the applicant, consultants and representatives. The MMRP program shall apply to all of the actions occurring under the Permit for the Lower Sycamore Creek Widening and Punta Gorda Street Bridge Replacement Project.

**I. RESPONSIBILITIES AND DUTIES**

A qualified representative from the applicant, approved by the City Planning Division and paid for by the applicant shall be designated as the Project Environmental Coordinator (PEC) for each department. The PECs shall be responsible for assuring full compliance with the provisions of this mitigation monitoring and reporting program to the City for actions undertaken under the Lower Sycamore Creek Widening and Punta Gorda Street Bridge Replacement Project. The PEC shall have authority over all other monitors/specialists, the contractor, and all construction personnel for those actions that relate to the items listed in this program.

It is the responsibility of the applicant to comply with all mitigation measures listed in the attached MMRP matrix table. Any problems or concerns between monitors and construction personnel shall be addressed by the PEC and the responsible department. Staff and/or contractors hired to do work under the Lower Sycamore Creek Widening and Punta Gorda Street Bridge Replacement Project shall provide a schedule of activities for review and approval of the PEC. The staff or contractor shall inform the PEC of any major revisions to the construction schedule at least 48 hours in advance. The respective PEC, staff, and contractor shall meet on a weekly basis in order to assess compliance and review future activities anticipated under the construction of the Lower Sycamore Creek Widening and Punta Gorda Street Bridge Replacement Project.

**A PRE-IMPLEMENTATION BRIEFING**

The PECs shall prepare a pre-implementation briefing report. The report shall include a list of all mitigation measures and a plot plan delineating all sensitive areas to be avoided. This report shall be provided to all personnel performing work under this permit.

The pre-implementation briefing shall be conducted by the PEC. The briefing shall be attended by the PECs, supervisors of staff working on the project, necessary consultants, Planning Division Case Planner, and all contractors and subcontractors associated with the project. Additional pre-construction briefings shall be conducted when changes in the PEC, staff working on the project, and a

change in contractor occurs.

This MMRP shall be presented to those in attendance at the meeting. The briefing presentation shall include project background, the purpose of the MMRP, duties and responsibilities of each participant, communication procedures, monitoring procedures, filling out of the mitigation monitoring matrix and summary reports, and duties and responsibilities of the PEC, staff, contractors, and project consultants.

It shall be emphasized at this briefing that the PECs and project consultants have the authority to stop construction and redirect construction equipment in order to comply with all mitigation measures.

## II. IMPLEMENTATION PROCEDURES

### A. REPORTING PROCEDURES

The PEC for the applicant shall utilize the MMRP Matrix Table, as the basis for daily monitoring of activities approved as a part of the project. As long as no compliance with mitigation measure issues is identified on the completed matrix table, the MMRP forms shall be kept on file. If the PEC identifies non-compliance or other problems with mitigation measure issues, the completed forms shall be forwarded to the Planning Division. In addition, monthly summary reports and annual summary reports on the mitigation monitoring program shall be submitted to the Planning Division by the PEC.

### A. MMRP MATRIX

The following MMRP Matrix Table provides each mitigation measure, identifies the responsible party, and allows the monitor to indicate the date monitoring occurred, whether the mitigation measure has been implemented, and comments on activities, if necessary.

The MMRP Matrix Table is intended to be used by all parties involved in monitoring the project mitigation measures, as well as project contractors and others working in the field. The Matrix Table shall be used as a compliance checklist to aid in compliance verification and monitoring requirements for all activities conducted under the Lower Sycamore Creek Widening and Punta Gorda Street Bridge Replacement Project whenever activities authorized under this permit are conducted. A copy of the MMRP matrix table shall be kept in the project file by the applicant as verification that compliance with all mitigation measures has occurred.

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<b>AQ-1</b> During construction, use water trucks or sprinkler systems to keep all areas of vehicle movement damp enough to prevent dust from leaving the site. At a minimum, this should include wetting down such areas in the late morning and after work is completed for the day. Increased watering frequency should be required whenever the wind speed exceeds 15 mph. Reclaimed water should be used whenever possible. However, reclaimed water should not be used in or around crops for human consumption.	PEC			
<b>AQ-2</b> Minimize amount of disturbed area and reduce on site vehicle speeds to 15 miles per hour or less.	PEC			
<b>AQ-3</b> If importation, exportation and stockpiling of fill material is involved, soil stockpiled for more than two days shall be covered, kept moist, or treated with soil binders to prevent dust generation. Trucks transporting fill material to and from the site shall be tarped from the point of origin.	PEC			
<b>AQ-4</b> Gravel pads shall be installed at all access points to prevent tracking of mud onto public roads.	PEC			
<b>AQ-5</b> After clearing, grading, earth moving or excavation is completed, treat the disturbed area by watering, or revegetating, or by spreading soil binders until the area is paved or otherwise developed so that dust generation will not occur.	PEC			
<b>AQ-6</b> The contractor or builder shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite. Their duties shall include holiday and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the Air Pollution Control District prior to land use clearance for map recordation and land use clearance for finish grading of the structure.	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)  
MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<b>AQ-7</b> All portable diesel-powered construction equipment shall be registered with the state's portable equipment registration program OR shall obtain an APCD permit.	PEC			
<b>AQ-8</b> Fleet owners of mobile construction equipment are subject to the California Air Resource Board (CARB) Regulation for In-use Off-road Diesel Vehicles (Title 13 California Code of Regulations, Chapter 9, § 2449), the purpose of which is to reduce diesel particulate matter (PM) and criteria pollutant emissions from in-use (existing) off-road diesel-fueled vehicles. For more information, please refer to the CARB website at <a href="http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm">www.arb.ca.gov/msprog/ordiesel/ordiesel.htm</a> .	PEC			
<b>AQ-9</b> All commercial diesel vehicles are subject to Title 13, § 2485 of the California Code of Regulations, limiting engine idling time. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading shall be limited to five minutes; electric auxiliary power units should be used whenever possible.	PEC			
<b>AQ-10</b> Diesel construction equipment meeting the California Air Resources Board (CARB) Tier 1 emission standards for off-road heavy-duty diesel engines shall be used. Equipment meeting CARB Tier 2 or higher emission standards should be used to the maximum extent feasible.	PEC			
<b>AQ-11</b> Diesel powered equipment should be replaced by electric equipment whenever feasible.	PEC			
<b>AQ-12</b> If feasible, diesel construction equipment shall be equipped with selective catalytic reduction systems, diesel oxidation catalysts and diesel particulate filters as certified and/or verified by EPA or California.	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<b>AQ-13</b> Catalytic converters shall be installed on gasoline-powered equipment, if feasible.	PEC			
<b>AQ-14</b> All construction equipment shall be maintained in tune per the manufacturer's specifications.	PEC			
<b>AQ-15</b> The engine size of construction equipment shall be the minimum practical size.	PEC			
<b>AQ-16</b> The number of construction equipment operating simultaneously shall be minimized through efficient management practices to ensure that the smallest practical number is operating at any one time.	PEC			
<b>AQ-17</b> Construction worker trips should be minimized by requiring carpooling and by providing for lunch onsite.	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p><b>BIO-1 Project Environmental Coordinator Required.</b> Submit to the Planning Division a contract with a qualified independent consultant to act as the Project Environmental Coordinator (PEC). Both PEC and the contract are subject to approval by the City’s Environmental Analyst. The PEC shall be responsible for assuring full compliance with the provisions of the Mitigation Monitoring and Reporting Program (MMRP) and Conditions of Approval to the City. The contract shall include the following, at a minimum:</p> <ul style="list-style-type: none"> <li>a. The frequency and/or schedule of the monitoring of the mitigation measures.</li> <li>b. A method for monitoring the mitigation measures.</li> <li>c. A list of reporting procedures, including the responsible party, and frequency.</li> <li>d. A list of other monitors to be hired, if applicable, and their qualifications.</li> <li>e. Submittal of biweekly reports during all construction activity regarding MMRP and condition compliance by the PEC to the Community Development Department/Case Planner.</li> <li>f. Submittal of a Final Mitigation Monitoring Report.</li> <li>g. The PEC shall have authority over all other monitors/specialists, the contractor, and all construction personnel for those actions that relate to the items listed in the MMRP and conditions of approval, including the authority to stop work, if necessary, to achieve compliance with mitigation measures.</li> </ul>	Applicant/PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p><b>BIO-2 Construction Mitigation Measures.</b> The applicant shall adhere to the following construction mitigation measures, unless modified during permitting and consultation activities with California Department of Fish and Game (CDFG), Army Corps of Engineers (ACOE), United States Fish and Wildlife Service (USFWS), or the National Marine Fisheries Service (NMFS). These measures should be printed on the final project plans.</p>				
<p>1. A qualified biologist shall conduct environmental training for all construction personnel prior to their commencing work on the project. This includes all new crews as they arrive to work at the site. The training shall include: a description of the tidewater goby, steelhead, and other sensitive environmental resources; the habitats where these species are found; protocols to follow when any individuals of sensitive species are found; measures that are part of the project to protect these resources; boundaries of the project; and penalties for violations of the Endangered Species Act and permit conditions.</p>	PEC			
<p>2. The construction contractor shall prepare and implement a Storm Water Pollution Prevention Plan (SWPPP) for each phase of the project. Best Management Practices (BMPs) to reduce erosion, minimize the discharge of sediment, and eliminate the discharge of non-storm water pollutants to the creek shall be included in the SWPPP. All BMPs shall be maintained by the construction contractor in good working order throughout the project duration.</p>	PEC			
<p>3. A qualified biologist shall monitor: 1) construction activities in stream habitat, and 2) performance of sediment control/detention devices to identify or reconcile conditions that could adversely affect steelhead, tidewater gobies, or their habitat. The biological monitor shall be present during all construction activities that have the potential to adversely affect environmental resources.</p>	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
4. Trash and debris from the construction site will be collected daily and disposed in covered dumpsters within the staging area.	PEC			
5. If sensitive wildlife species are identified within the work area, such as southwestern pond turtle, all construction shall stop and the individual shall be given time to move out of the area. Alternatively, the biological monitor, with the appropriate regulatory authority, may move individuals out of harm's way to the closest similar habitat that can be avoided by project activities. If feasible, blocking nets can be set to prevent return of the species to the work area.	PEC			
6. Work in the creek shall be scheduled for July 1 to November 1 for minimal flow in the creek and to avoid peak breeding season for tidewater goby (late April through June).	PEC			
7. Removal of vegetation shall be avoided during the nesting season (February 15 to September 15) where feasible. A qualified biologist shall conduct a nesting bird survey prior to removal of any trees or vegetation scheduled to occur from February 15 to September 15. If any nesting is found, the trees/vegetation shall not be removed until after the young have fledged and the biologist should establish a protective buffer around the nest as needed.	PEC			
8. Work outside the creek channel can occur before July 1 as long as measures to prevent sediment, trash, and debris from entering the creek are implemented.	PEC			
9. Materials used to isolate the dewatered area shall be clean and inert materials that will not cause turbidity or release toxic materials to the water. They shall be installed with minimal disturbance of the creek bed and after the area has been cleared of tidewater gobies and any other sensitive aquatic species.	PEC			



**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
10. All pumped water with visible turbidity (relative to undisturbed water in the creek) shall be settled and/or filtered prior to discharge into the creek downstream of the work area. Energy dissipation shall be used at the discharge of the diversion and the dewatering return to prevent channel bed scour.	PEC			
11. All pump intakes shall be screened with 1/8-inch mesh that is securely fastened. In addition, screening of the same mesh size shall be placed around the intake at a distance where water velocity caused by the pump is below the level that could suck fish against the screen.	PEC			
12. The biological monitor shall inspect pump intake screens daily when in use to ensure that screens are intact and functioning properly. Any deficient screens shall be repaired or replaced immediately by the contractor.	PEC			
13. A biological monitor shall be present throughout the dewatering and water diversion operation with the authority to halt work if injury or mortality of listed fish species is observed. Prior to implementation of the plan, the U.S. Fish and Wildlife Service shall be notified.	PEC			
14. Small pits shall be excavated in the creek bed as needed to collect seepage into the dewatered area so it can be pumped out. These pits, and any other ponded water within the dewatered area, shall be inspected by the biological monitor at least daily (at the beginning of construction activities) for the presence of native fish. Any found will be captured and relocated by a qualified biologist.	PEC			
15. The contractor shall inspect and maintain the dewatering system 7 days a week while in operation.	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
16. The qualified biologist shall inspect the dewatered area daily to ensure that the diversion remains intact and that no tidewater gobies or other fish have entered the work area. Erosion control measures shall also be inspected.	PEC			
17. An initial survey for the tidewater goby shall be completed within one week prior to the start of construction activities in the creek. If tidewater gobies are found, isolate the area to be dewatered using fish block nets (1/8-inch mesh) inflowing water or silt fence in stagnant water.	PEC			
18. All steelhead, tidewater gobies, and other special status species shall be captured and relocated to suitable downstream habitat. The number of steelhead and tidewater gobies observed, number relocated, and date and time of capture and relocation shall be recorded. Seine, dip net, throw net, minnow trap, and hand can be used to capture the species. Fish captured shall be held in clean buckets with creek water in the shade for the minimum time needed to clear the work area.	PEC			
19. Concrete shall not be poured in the channel or in the channel area that could be exposed to runoff if rain is forecast to occur within 15 days after the pour.	PEC			
20. Sediment collected in erosion control or sediment detention devices shall be disposed of offsite and will not be allowed to reenter the creek channel.	PEC			
21. Stockpiled materials, such as excavated soils, shall be stored at least 30 feet from the top of bank if being stored for more than two days and contained with BMPs (e.g., straw bales, Visqueen, gravel bags, and fiber rolls) to prevent wind or water erosion and runoff to the creek.	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
22. All concrete pours shall be contained so that wet concrete does not come in contact with surface or groundwater. The contractor shall have spill contingency materials on site and personnel trained in their use when concrete is poured. This includes pumps and equipment to measure pH in the water to 0.1 unit as well as water containment (e.g., baker tank or truck) equipment to immediately remove contaminated water during concrete pours.	PEC			
23. Any water within the work area that has or may have come in contact with wet concrete or grout shall be tested for pH. If the pH is greater than 8.5 or more than 0.5 unit above that of the adjacent creek water, pump the water out and treat prior to disposal where it cannot affect surface or groundwater.	PEC			
24. Concrete trucks shall only be allowed to wash out into a Baker tank in the staging area. The washout material shall be disposed of offsite.	PEC			
25. Equipment used within the dewatered creek channel shall be inspected daily for leaks by the monitor. If any are found, a drip pan shall be placed under the leak and it shall be repaired immediately by the contractor.	PEC			
26. If the dewatered creek bed is too soft for equipment/personnel to work in without disturbing sediments to a depth of more than a few inches, the contractor shall use creosote free, clean timber mats (or other inert platform) typically used in wetland construction BMPs.	PEC			
27. Refueling of construction equipment shall be in an area at least 50 feet from the top of bank that is bermed and has an impermeable surface unless there is a secondary containment method implemented.	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
28. Spill containment and cleanup materials (e.g., shovels, absorbent pads, plastic bags) shall be on site, and construction personnel shall be trained in their use.	PEC			
29. All equipment maintenance and cleaning shall be offsite or within a staging area over an impermeable surface. All residues of such activities shall be disposed of offsite.	PEC			
30. All fuel, lubricants, paints, and other construction liquids shall be stored in sealed containers within a bermed containment area at least 100 feet from the creek unless there is a secondary containment method implemented.	PEC			
31. All debris and other construction materials shall be cleared from Sycamore Creek prior to reintroduction of stream flows to the channel following removal of the diversion dams.	PEC			
32. Remove and bag all cape ivy prior to general clearing and dispose offsite to prevent its spread (can grow from a piece 1 inch [2.5 centimeters] long).	PEC			
33. Remove and bag all seed heads from castor bean and sticky eupatorium prior to general clearing and dispose offsite.	PEC			
34. A low-flow channel 2 to 3 feet wide and 6 to 12 inches deep (with more at 12 inches than shallower) shall be installed at the end of project construction activities. This channel shall connect to the existing upstream and downstream low-flow channel.	PEC			
<b>BIO-3 Revegetation:</b> 1. Final restoration and revegetation plans shall be submitted for review and approval of the City of Santa Barbara Creeks Division prior to final design review approval of the project.	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p>2. Revegetation with native riparian plants shall occur in available space along and at the top of the banks to facilitate soil stabilization and restoration of the riparian corridor along Sycamore Creek consistent with the revegetation plans submitted October 24, 2011 or as modified in the future by the Architecture Board of Review or other state and federal agencies (CDFG, ACOE, USFWS, or NMFS). Consistent with the project’s proposed restoration plan, all oak and sycamore trees with a diameter at breast height (dbh) of 6 inches (15 centimeters) or more shall be replaced at a minimum ratio of 10:1 surviving after five years while trees smaller than that shall be replaced at a ratio of 5:1. Willows shall be replaced at a minimum ratio of 10:1 or to produce a canopy at least as large as that removed after five years. Oak and sycamore trees will be planted at or within approximately two feet (0.6 meter) of the bank top, depending on location of adjacent structures (including roads). Vines (e.g., blackberry) and herbaceous species will be planted between and below the trees for soil stabilization. Willows will be planted from the top of the riprap to the oaks and sycamores. These will be limbed as they grow to allow flood water passage.</p>	PEC			
<p>3. The planted area shall be monitored and maintained by the City in concert with a restoration specialist for a period of 5 years. Minimum success criteria should reflect those performance standards outlined in the submitted revegetation plans dated October 24, 2011 or as modified in the future by the Architecture Board of Review or other state and federal agencies (CDFG, ACOE, USFWS, or NMFS).</p>	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p><b>BIO-4 Maintenance:</b></p> <p>1. Maintenance of the creek by the City within the first five years following construction shall be limited to monitoring, watering, weed control, replacement of plants that fail to establish, erosion repair, and pruning of willows at the edge of the channel to minimize dense growth that can impede high flows and increase the potential for flooding.</p>	PEC			
<p>2. If the County Flood Control District has to remove accumulated sediment from the channel at any time in the future, a low-flow channel shall be installed as part of that project. This channel shall connect to the existing upstream and downstream low-flow channel.</p>	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p>3. The following measures shall apply to any regular channel maintenance for flood control purposes conducted by the City or Santa Barbara County Flood Control District in the project area following construction of the project:</p> <ul style="list-style-type: none"> <li>a. Native vegetation clearance should be minimized to the extent feasible for the life of the project.</li> <li>b. Native plantings in the Riprap Edge Zone or Upper Bank Zone shall not be removed by the City or County Flood Control District as part of regular channel maintenance for flood flow purposes.</li> <li>c. Willow plantings in the Riprap Zone shall not be removed by the City or County Flood Control District as part of regular channel maintenance for flood flow purposes. If trimming is needed, willow plantings should be trimmed to encourage upward (canopy) growth and discourage low branches that could reduce stream flow.</li> <li>d. Any vegetation clearing during maintenance activities shall be conducted such that no visible turbidity enters the adjacent undisturbed channel.</li> </ul>	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p>e. Maintenance activities within the channel bottom should be planned for July 1 to November 1 to avoid the peak breeding season of the tidewater goby and the wet season to the extent feasible. Maintenance of the channel or banks should be scheduled outside of the nesting season for birds (February 15 to September 15) to the extent feasible. If work needs to be conducted within the bird nesting season, a qualified biologist shall conduct a survey to determine if any birds are breeding, and if so, will establish a protective buffer around the nest. Work outside the creek channel can occur before July 1 as long as measures to prevent sediment, trash, and debris from entering the creek are implemented.</p> <p>f. Any herbicide use shall be limited to Aquamaster™ or any herbicides recommended by the California Department of Fish and Game for use in stream habitats.</p>	PEC			



**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)  
MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p>g. Measures to prevent the spread of non-native invasive species (plant and wildlife) shall be implemented to the extent feasible such as making sure that all equipment working in the creek is clean and free of invasive species. This includes boots and hand tools used in the creek. Procedures for preventing introduction of non-native invasive species include:</p> <ul style="list-style-type: none"> <li>i. Inspect all equipment, trucks, and engines to ensure they are clean of weed seeds.</li> <li>ii. Ensure that all equipment and personal gear are free of New Zealand mudsnails. Cleaning methods can be found at: <ul style="list-style-type: none"> <li>1. <a href="http://www.dfg.ca.gov/invasives/mudsnail">http://www.dfg.ca.gov/invasives/mudsnail</a>,</li> <li>2. <a href="http://seagrant.oregonstate.edu/sgpubs/onlinepubs.html">http://seagrant.oregonstate.edu/sgpubs/onlinepubs.html</a> and</li> <li>3. <a href="http://www.anstaskforce.gov/Documents/NZMS_MgmtControl_Final.pdf">http://www.anstaskforce.gov/Documents/NZMS_MgmtControl_Final.pdf</a></li> </ul> </li> </ul>	PEC			
<p><b>BIO-5 Other Agency Approvals:</b> Prior to issuance of building or public works permit, all necessary permits and consultations with the Army Corps of Engineers, California Department of Fish and Wildlife Service, California Regional Water Quality Control Board, National Marine Fisheries Service, and United States Fish and Wildlife Service shall be complete.</p>	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)  
MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p><b>CR-1. Unanticipated Archaeological Resources Contractor Notification.</b> Standard discovery measures shall be implemented per the City master Environmental Assessment throughout grading and construction: Prior to the start of any vegetation or paving removal, demolition, trenching or grading, contractors and construction personnel shall be alerted to the possibility of uncovering unanticipated subsurface archaeological features or artifacts. If such archaeological resources are encountered or suspected, work shall be halted immediately, the City Environmental Analyst shall be notified and the Owner shall retain an archaeologist from the most current City Qualified Archaeologists List. The latter shall be employed to assess the nature, extent and significance of any discoveries and to develop appropriate management recommendations for archaeological resource treatment, which may include, but are not limited to, redirection of grading and/or excavation activities, consultation and/or monitoring with a Barbareño Chumash representative from the most current City qualified Barbareño Chumash Site Monitors List, etc. If the discovery consists of possible human remains, the Santa Barbara County Coroner shall be contacted immediately. If the Coroner determines that the remains are Native American, the Coroner shall contact the California Native American Heritage Commission. A Barbareño Chumash representative from the most current City Qualified Barbareño Chumash Site Monitors List shall be retained to monitor all further subsurface disturbance in the area of the find. Work in the area may only proceed after the Environmental Analyst grants authorization. If the discovery consists of possible prehistoric or Native American artifacts or materials, a Barbareño Chumash representative from the most current City Qualified Barbareño Chumash Site Monitors List shall be retained to monitor all further subsurface disturbance in the area of the find. Work in the area may only proceed after the Environmental Analyst grants authorization. A final report on the results of the archaeological monitoring shall be submitted by the City-approved archaeologist to the Environmental Analyst within 180 days of completion of the monitoring and prior to any certificate of occupancy for the project.</p> <p>1.</p>	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p><b>N-1. Acoustical Insulation Material.</b> Acoustical insulation material shall be attached to the construction fence and shall extend from the top of the fence (8 feet high) to the ground. Also, a movable acoustical curtain shall be used to shield the residential areas from construction noise. The curtain shall be designed to completely block the line of sight from the adjacent residences during construction of the bridge foundation support piles. Noise levels shall be closely monitored for compliance within the allowable limits.</p>	PEC			
<p><b>N-2. Neighborhood Notification Prior to Construction.</b> At least twenty (20) days prior to commencement of construction, the contractor shall provide written notice to all property owners, businesses, and residents within 300 feet of the project area. The notice shall contain a description of the project, the construction schedule, including days and hours of construction, the name and phone number of the Project Environmental Coordinator (PEC) and Contractor(s), site rules and Conditions of Approval pertaining to construction activities, and any additional information that will assist Building Inspectors, Police Officers and the public in addressing problems that may arise during construction.</p>	PEC			
<p><b>N-3. Construction Contact Sign.</b> Immediately after Building permit issuance, signage shall be posted at the points of entry to the site that list the contractor(s) and Project Environmental Coordinator's (PEC) name, contractor(s) and PEC's telephone number(s), construction work hours, site rules, and construction-related conditions, to assist Building Inspectors and Police Officers in the enforcement of the conditions of approval. The font size shall be a minimum of 0.5 inches in height. Said sign shall not exceed six feet in height from the ground if it is free-standing or placed on a fence. It shall not exceed 24 square feet if in a multi-family or commercial zone or six square feet if in a single family zone.</p>	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)**  
**MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<p><b>N-4. Construction Hours.</b> Construction (including preparation for construction work) shall only be permitted Monday through Friday between the hours of 7:00 a.m. and 5:00 p.m. and Saturdays between the hours of 9:00 a.m. and 4:00 p.m., excluding the following holidays:</p> <p>New Year’s Day                      January 1st*</p> <p>Martin Luther King’s Birthday      3rd Monday in January</p> <p>Presidents’ Day                        3rd Monday in February</p> <p>Memorial Day                            Last Monday in May</p> <p>Independence Day                       July 4th*</p> <p>Labor Day                                 1st Monday in September</p> <p>Thanksgiving Day                       4th Thursday in November</p> <p>Following Thanksgiving Day        Friday following Thanksgiving Day</p> <p>Christmas Day                            December 25th*</p> <p>*When a holiday falls on a Saturday or Sunday, the preceding Friday or following Monday, respectively, shall be observed as a legal holiday.</p> <p>When, based on required construction type or other appropriate reasons, it is necessary to do work outside the allowed construction hours, contractor shall contact the Chief of Building and Safety to request a waiver from the above construction hours, using the procedure outlined in Santa Barbara Municipal Code §9.16.015 Construction Work at Night. Contractor shall notify all residents within 300 feet of the parcel of intent to carry out said construction a minimum of 48 hours prior to said construction. Said notification shall include what the work includes, the reason for the work, the duration of the proposed work and a contact number.</p>	PEC			

**Lower Sycamore Creek Channel Widening and Punta Gorda Street Bridge Replacement Project (MST2009-00374)  
MITIGATION MONITORING AND REPORTING PROGRAM MATRIX TABLE**

MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION	VERIFICATION		
		Date	Accomplished?	Comments
<b>PS-1</b> The final building plans shall include a source reduction/recycling plan that at a minimum includes the applicant's proposed measures to recycle construction waste as described in the project description letter submitted August 2011 or other measures achieving the same or greater level of source reduction and recycling.	PEC			
<b>T-1. Haul Routes Require Separate Permit.</b> Apply for a Public Works permit to establish the haul route(s) for all construction-related trucks with a gross vehicle weight rating of three tons or more entering or exiting the site. The Haul Routes shall be approved by the Public Works Transportation Manager.	PEC			
<b>T-2. Construction-Related Truck Trips.</b> Construction-related truck trips for trucks with a gross vehicle weight rating of three tons or more shall not be scheduled during peak hours (7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m.) in order to help reduce truck traffic on adjacent streets and roadways.	PEC			
<b>T-3. Construction Storage/Staging.</b> Construction vehicle/ equipment/ materials storage and staging in the public road right-of-way shall be limited to the extent feasible and shall be subject to review and approval by the Public Works Transportation Manager.	PEC			