

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler's Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
WATER QUALITY RESOURCE PROTECTION			
MMP	WQ-1	STABILIZE DESIGNATED ACCESS ROADS (OR OTHER GRADED AREAS) WITH PERMEABLE PROTECTIVE SURFACING (E.G., GRASSCRETE), STORM WATER DIVERSION STRUCTURES (E.G., BROW DITCHES OR BERMS), OR CROSSING STRUCTURES (E.G., CULVERTS) TO CONTROL EROSION AND PREVENT OFF-SITE SEDIMENT TRANSPORT.	Sheet 9 – 2, 7
MMP	WQ-2	PREVENT OFF-SITE SEDIMENT TRANSPORT DURING MAINTENANCE THROUGH THE USE EROSION AND SEDIMENT CONTROLS WITHIN STORM WATER FACILITIES, ALONG ACCESS ROUTES AND AROUND STOCKPILE/STAGING AREAS. INSTALL BMPs SUCH AS SILT FENCES, FIBER ROLLS; GRAVEL BAGS; TEMPORARY SEDIMENT BASINS; STABILIZED MAINTENANCE ACCESS POINTS (E.G., SHAKER PLATES); CONTAINMENT BARRIERS (E.G., SILT FENCE, FIBER ROLLS AND/OR BERMS) FOR MATERIAL STOCKPILES; AND PROPERLY FITTED COVERS FOR MATERIAL TRANSPORT VEHICLES. REMOVE TEMPORARY EROSION OR SEDIMENT CONTROL MEASURES UPON COMPLETION OF MAINTENANCE UNLESS THEIR REMOVAL WOULD RESULT IN GREATER ENVIRONMENTAL IMPACT THAN LEAVING THEM IN PLACE.	Sheet 9 – 2, 6 thru 18
MMP	WQ-3	STORE BMP MATERIALS ON-SITE TO PROVIDE COMPLETE PROTECTION OF EXPOSED AREAS AND PREVENT OFF-SITE SEDIMENT TRANSPORT.	Sheet 9 – 30
MMP	WQ-4	PROVIDE TRAINING FOR PERSONNEL RESPONSIBLE FOR THE PROPER INSTALLATION, INSPECTION, AND MAINTENANCE OF ON-SITE BMPs.	Sheet 9 – 37
MMP	WQ-5	RE-VEGETATE SPOIL AND STAGING AREAS WITHIN 30 DAYS OF COMPLETION OF MAINTENANCE ACTIVITIES. MONITOR AND MAINTAIN RE-VEGETATED AREAS FOR A PERIOD OF NOT LESS THAN 25 MONTHS FOLLOWING PLANTING.	Sheet 9 – 39
MMP	WQ-6	IMPLEMENT SAMPLING AND ANALYSIS; MONITORING AND REPORTING; AND POST-MAINTENANCE MANAGEMENT PROGRAMS PER NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND/OR CITY REQUIREMENTS.	Sheet 9 – 35
MMP	WQ-7	AVOID STORING HAZARDOUS MATERIALS USED DURING MAINTENANCE WITHIN 50 FEET FROM STORM WATER FACILITIES. HAZARDOUS MATERIALS SHALL BE MANAGED AND STORED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.	Sheet 9 – 22
MMP	WQ-8	STORE MAINTENANCE-RELATED TRASH IN AREAS AT LEAST 50 FEET FROM STORM WATER FACILITIES, AND REMOVE ANY TRASH RECEPTACLES REGULARLY (AT LEAST WEEKLY).	Sheet 9 – 23
MMP	WQ-10	INSPECT EARTHEN-BOTTOM STORM WATER FACILITIES WITHIN 72 HOURS OF THE FIRST 2-YEAR STORM FOLLOWING MAINTENANCE. IMPLEMENT EROSION CONTROL MEASURES RECOMMENDED BY THE FIELD ENGINEER, SUCH AS FIBER BLANKETS, TO REMEDIATE SUBSTANTIAL EROSION WHICH HAS OCCURRED AND TO MINIMIZE FUTURE EROSION.	Sheet 9 – 36

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
CDP-SPECIAL CONDITIONS	CDP-6B	BEST MANAGEMENT PRACTICES (BMPS) SHALL BE DESIGNED TO CONTROL EROSION FROM THE DISTURBED AREA AND PREVENT SEDIMENT AND POTENTIAL POLLUTANTS FROM ENTERING COASTAL WATERS AND/OR NATIVE HABITAT PLANT COMMUNITIES DURING CHANNEL MAINTENANCE ACTIVITIES. THE BMPS SHALL BE IMPLEMENTED PRIOR TO OR CONCURRENT WITH CONSTRUCTION AND MAINTAINED THROUGHOUT THE PROJECT.	Sheet 9 – 2, 6 thru 18
CDP-SPECIAL CONDITIONS	CDP-6C	IN-STREAM EROSION AND TURBIDITY CONTROL MEASURES SHALL BE IMPLEMENTED DURING CHANNEL DREDGING ACTIVITIES.	Sheet 9 – 10 thru 12
CDP-SPECIAL CONDITIONS	CDP-6D	ANY NEWLY EXPOSED SLOPES SHALL BE STABILIZED TO MINIMIZE EROSION AND SEDIMENT FROM RUNOFF WATERS DURING MAINTENANCE ACTIVITIES USING MULCH, CONTOUR GRADING AND/OR OTHER ESTABLISHED METHODS WHERE FEASIBLE AND APPROPRIATE.	Sheet 9 – 6 thru 18
CDP-SPECIAL CONDITIONS	CDP-6E	TEMPORARY STOCKPILES OF EXCAVATED SEDIMENT/VEGETATION SHOULD BE PROTECTED WITH GEOFABRIC OR OTHER APPROPRIATE COVER TO PREVENT DISPERSAL OF THE STOCKPILE MATERIALS. PERMANENT STOCKPILING OF EXCAVATED MATERIAL ON SITE SHALL NOT BE ALLOWED. VEGETATION AND SEDIMENT SHALL BE REMOVED FROM THE SITE(S) ON A REGULAR BASIS DURING CONSTRUCTION TO PREVENT THE ACCUMULATION OF SEDIMENT AND DEBRIS ON THE WORKSITE. EXCAVATED SEDIMENT AND VEGETATION SHALL BE STOCKPILED AT DESIGNATED TEMPORARY AREAS ON THE PROJECT SITE(S) AND BE REMOVED TO A PERMITTED DISPOSAL SITE WITHIN THREE MONTHS, UNLESS OTHERWISE EXTENDED, IN WRITING, BY THE EXECUTIVE DIRECTOR.	Sheet 9 – 17, 18
CDP-SPECIAL CONDITIONS	CDP-6F	DURING CONSTRUCTION, ALL TRASH SHALL BE PROPERLY CONTAINED IN A RECEPTACLE WITH A COVER OVER THE TOP TO PREVENT DISPERSAL OF TRASH, REMOVED FROM THE WORKSITE, AND DISPOSED OF ON A REGULAR BASIS (AT A MINIMUM OF ONCE PER WEEK). ANY DEBRIS DISCHARGED INTO COASTAL WATERS DURING IMPLEMENTATION OF THE APPROVED DEVELOPMENT SHALL BE RECOVERED IMMEDIATELY AND DISPOSED OF CONSISTENT WITH THE REQUIREMENTS OF THIS COASTAL DEVELOPMENT PERMIT AND OTHER RELEVANT STATE AND/OR FEDERAL REGULATORY CONTROLS.	Sheet 9 – 23
CDP-SPECIAL CONDITIONS	CDP-6G	EQUIPMENT STAGING AND MATERIALS STOCKPILING AREAS SHALL BE LIMITED TO THE LOCATIONS AND SIZES SPECIFIED IN THE APPROVED FINAL CRPCP. CONSTRUCTION VEHICLES SHALL BE RESTRICTED TO DESIGNATED HAUL ROUTES. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED ONLY IN DESIGNATED STAGING AND STOCKPILING AREAS AS DEPICTED ON THE FINAL PLANS APPROVED FOR THE PROJECT.	Sheet 9 – 2

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CDP-SPECIAL CONDITIONS	CDP-6H	ANY FUELING AND MAINTENANCE OF CONSTRUCTION EQUIPMENT SHALL OCCUR WITHIN UPLAND AREAS OUTSIDE OF ENVIRONMENTALLY SENSITIVE HABITAT AREAS OR WITHIN DESIGNATED STAGING AREAS. MECHANIZED HEAVY EQUIPMENT AND OTHER VEHICLES USED DURING THE CONSTRUCTION PROCESS SHALL NOT BE REFUELED OR WASHED WITHIN 100 FEET OF COASTAL WATERS.	Sheet 9 – 31
PEIR	WQ-4.8.1	IF THE IWQA INDICATES THAT MAINTENANCE WOULD IMPACT A WATER POLLUTANT WHERE THE EXISTING LEVEL FOR THAT POLLUTANT EXCEEDS OR IS WITHIN 25 PERCENT OF THE STANDARD ESTABLISHED BY THE SAN DIEGO BASIN PLAN, MITIGATION MEASURES IDENTIFIED IN TABLE 4.8-8 OF THE PEIR SHALL BE INCORPORATED INTO THE IMP TO REDUCE THE IMPACT TO WITHIN THE ESTABLISHED STANDARD FOR THAT POLLUTANT.	N/A
PEIR	WQ-4.8.3	PRIOR TO COMMENCING ANY ACTIVITY WHERE THE IWQA INDICATES SIGNIFICANT WATER QUALITY IMPACTS MAY OCCUR, A PRE MAINTENANCE MEETING SHALL BE HELD ON SITE WITH FOLLOWING IN ATTENDANCE: CITY’S SWD, MM, MMC, AND MC. A QUALIFIED WATER QUALITY SPECIALIST SHALL ALSO BE PRESENT. AT THIS MEETING, THE WATER QUALITY SPECIALIST SHALL IDENTIFY AND DISCUSS MITIGATION MEASURES, PROTOCOLS AND BMPS IDENTIFIED IN THE IWQA THAT MUST BE CARRIED OUT DURING MAINTENANCE. AFTER THE MEETING, THE WATER QUALITY SPECIALIST SHALL PROVIDE DSD WITH A LETTER INDICATING THAT THE APPLICABLE MITIGATION MEASURES, PROTOCOLS AND BMPS IDENTIFIED IN THE IWQA HAVE BEEN APPROPRIATELY IMPLEMENTED.	Sheet 10 – 2
RWQCB 401	401-III.A	PRIOR TO THE START OF THE PROJECT, AND ANNUALLY THEREAFTER, CITY OF SAN DIEGO MUST EDUCATE ALL PERSONNEL ON THE REQUIREMENTS IN THIS CERTIFICATION, POLLUTION PREVENTION MEASURES, SPILL RESPONSE, AND BEST MANAGEMENT PRACTICES (BMPS) IMPLEMENTATION AND MAINTENANCE.	Sheet 9 – 37
RWQCB 401	401-III.B	THE CITY OF SAN DIEGO MUST, AT ALL TIMES, MAINTAIN APPROPRIATE TYPES AND SUFFICIENT QUANTITIES OF MATERIALS ON-SITE TO CONTAIN ANY SPILL OR INADVERTENT RELEASE OF MATERIALS THAT MAY CAUSE A CONDITION OF POLLUTION OR NUISANCE IF THE MATERIALS REACH WATERS OF THE U.S. AND/OR STATE.	Sheet 9 – 27, 30
RWQCB 401	401-III.C	THE CITY OF SAN DIEGO MUST ENROLL IN AND COMPLY WITH THE REQUIREMENTS OF STATE WATER RESOURCES CONTROL BOARD WATER QUALITY ORDER NO. 2009-0009-DWQ, NPDES NO. CAS000002, GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES.	N/A
RWQCB 401	401-III.D	THE TREATMENT, STORAGE, AND DISPOSAL OF WASTEWATER DURING THE LIFE OF THE PROJECT MUST BE DONE IN ACCORDANCE WITH WASTE DISCHARGE REQUIREMENTS ESTABLISHED BY THE SAN DIEGO WATER BOARD PURSUANT TO CWC § 13260.	Sheet 9 – 24
RWQCB 401	401-III.E	DISCHARGES OF CONCENTRATED FLOW DURING CONSTRUCTION OR AFTER COMPLETION MUST NOT CAUSE DOWNSTREAM EROSION OR DAMAGE TO PROPERTIES OR STREAM HABITAT.	Sheet 9 – 9

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RWQCB 401	401-III.F	WATER CONTAINING MUD, SILT, OR OTHER POLLUTANTS FROM EQUIPMENT WASHING OR OTHER ACTIVITIES, MUST NOT BE DISCHARGED TO WATERS OF THE U.S. AND/OR STATE OR PLACED IN LOCATIONS THAT MAY BE SUBJECTED TO STORM FLOWS. POLLUTANTS DISCHARGED TO AREAS WITHIN A STREAM DIVERSION AREA MUST BE REMOVED AT THE END OF EACH WORK DAY OR SOONER IF RAIN IS PREDICTED.	Sheet 9 – 31
RWQCB 401	401-III.G	ALL SURFACE WATERS, INCLUDING PONDED WATERS, MUST BE DIVERTED AWAY FROM AREAS UNDERGOING GRADING, CONSTRUCTION, EXCAVATION, VEGETATION REMOVAL, AND/OR ANY OTHER ACTIVITY WHICH MAY RESULT IN A DISCHARGE TO THE RECEIVING WATER. DIVERSION ACTIVITIES MUST NOT RESULT IN THE DEGRADATION OF BENEFICIAL USES OR EXCEEDANCE OF WATER QUALITY OBJECTIVES OF THE RECEIVING WATERS. ANY TEMPORARY DAM OR OTHER ARTIFICIAL OBSTRUCTION CONSTRUCTED MUST ONLY BE BUILT FROM MATERIALS SUCH AS CLEAN GRAVEL WHICH WILL CAUSE LITTLE OR NO SILTATION. NORMAL FLOWS MUST BE RESTORED TO THE AFFECTED STREAM IMMEDIATELY UPON COMPLETION OF WORK AT THAT LOCATION	Sheet 9 – 9
RWQCB 401	401-III.H	SUBSTANCES HAZARDOUS TO AQUATIC LIFE INCLUDING, BUT NOT LIMITED TO, PETROLEUM PRODUCTS, RAW CEMENT/CONCRETE, ASPHALT, AND COATING MATERIALS, MUST BE PREVENTED FROM CONTAMINATING THE SOIL AND/OR ENTERING WATERS OF THE U.S. AND/OR STATE. BMPS MUST BE IMPLEMENTED TO PREVENT SUCH DISCHARGES DURING EACH PROJECT ACTIVITY INVOLVING HAZARDOUS MATERIALS.	Sheet 9 – 17 thru 28
RWQCB 401	401-III.I	REMOVAL OF VEGETATION MUST OCCUR BY HAND, MECHANICALLY, OR USING U.S. ENVIRONMENTAL PROTECTION AGENCY APPROVED HERBICIDES DEPLOYED WITH APPLICABLE BMPS TO PREVENT IMPACTS TO BENEFICIAL USES OF WATERS OF THE U.S. AND/OR STATE. USE OF AQUATIC PESTICIDES MUST BE DONE IN ACCORDANCE WITH STATE WATER RESOURCES CONTROL BOARD WATER QUALITY ORDER NO. 2004-0009-DWQ, AND ANY SUBSEQUENT REISSUANCE AS APPLICABLE. REMOVAL OF VEGETATION MUST OCCUR OUTSIDE OF THE AVIAN NESTING SEASON (MARCH 15-AUGUST 31).	Sheet 9 – 4
RWQCB 401	401-III.J	REMOVAL AND DISPOSAL OF EXOTIC INVASIVE SPECIES SHALL BE DONE IN A MANNER THAT PREVENTS THE SPREAD OF EXOTIC INVASIVE SPECIES TO OTHER AREAS.	Sheet 9 – 5
RWQCB 401	401-III.K	ALL OF THE YEARLY MAINTENANCE ACTIONS MUST BE COMPLETED BY MARCH 14 OF EACH YEAR.	Sheet 9 – 1
RWQCB 401	401-III.L	THE DREDGED SEDIMENT MUST BE TEMPORARILY STOCKPILED AT TWO SEPARATE STAGING AREAS AS DESCRIBED IN THE MITIGATED NEGATIVE DECLARATION FOR THE TIJUANA RIVER PILOT AND SMUGGLER'S GULCH CHANNEL MAINTENANCE. (CITY OF SAN DIEGO, JULY 18, 2011).	Sheet 9 – 18

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RWQCB 401	401-III.M	MANAGEMENT OF DREDGED SEDIMENT STOCKPILES TEMPORARILY STORED AT THE STAGING AREA MUST COMPLY WITH R9-2007-0104, CONDITIONAL WAIVERS OF WASTE DISCHARGE REQUIREMENTS FOR SPECIFIC TYPES OF DISCHARGE WITHIN THE SAN DIEGO REGION, CONDITIONAL WAIVER 8.	Sheet 9 – 18
ACOE 404	404-SC2	<p>PRIOR TO INITIATING CONSTRUCTION IN WATERS OF THE U.S., THE PERMITTEE SHALL SUBMIT TO THE CORPS REGULATORY DIVISION WRITTEN RESTORATION AND ENHANCEMENT PLANS SHOWING ALL WORK AND STRUCTURES IN WATERS OF THE U.S. ALL PLANS SHALL BE IN COMPLIANCE WITH THE FINAL MAP AND DRAWING STANDARDS FOR THE LOS ANGELES DISTRICT REGULATORY DIVISION DATED SEPTEMBER 21, 2009 (HTTP://WWW.SPL.USACE.ARMY.MI1!REGULATORY/PN/SPL-RG_MAP-DRAWING-STANDARD_FINACW-FIG.PDF).</p> <p>ALL PLAN SHEETS SHALL BE SIGNED, DATED, AND SUBMITTED ON PAPER NO LARGER THAN LLX 17 INCHES. NO WORK IN WATERS OF THE U.S. IS AUTHORIZED UNTIL THE PERMITTEE RECEIVES, IN WRITING (BY LETTER OR E-MAIL), CORPS REGULATORY DIVISION APPROVAL OF THE FINAL DETAILED GRADING/CONSTRUCTION PLANS. THE PERMITTEE SHALL ENSURE THAT THE PROJECT IS BUILT IN ACCORDANCE WITH THE CORPS-APPROVED PLANS. NO DREDGED OR EXCAVATED MATERIAL SHALL BE DISPOSED IN WATERS OF THE U.S. WITHOUT PRIOR CORPS AUTHORIZATION. IF THE DREDGED MATERIAL IS STOCKPILED AND SCREENED AND TRANSPORTED TO THE BEACH THE CORPS MAY ALLOW DISCHARGE OF THE MATERIAL IF IT MEETS COMPLIANCE WITH THE REQUIREMENTS OF THE INLAND TESTING MANUAL (ITM) OR OTHER VALID CORPS OPPORTUNISTIC BEACH NOURISHMENT PERMITS.</p>	None

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ACOE 404	404-SC3	<p>THE PERMITTEE SHALL CLEARLY MARK THE LIMITS OF THE WORKSPACE WITH FLAGGING OR SIMILAR MEANS TO ENSURE MECHANIZED EQUIPMENT DOES NOT ENTER PRESERVED WATERS OF THE U.S. AND RIPARIAN WETLAND/HABITAT AREAS SHOWN ON ATTACHED DRAWINGS. ADVERSE IMPACTS TO WATERS OF THE U.S. BEYOND THE CORPS-APPROVED CONSTRUCTION FOOTPRINT ARE NOT AUTHORIZED. SUCH IMPACTS COULD RESULT IN PERMIT SUSPENSION AND REVOCATION, ADMINISTRATIVE, CIVIL OR CRIMINAL PENALTIES, AND/OR SUBSTANTIAL, ADDITIONAL, COMPENSATORY MITIGATION REQUIREMENTS. WITHIN 60 CALENDAR DAYS OF COMPLETION OF AUTHORIZED WORK IN WATERS OF THE U.S., THE PERMITTEE SHALL SUBMIT TO THE CORPS REGULATORY DIVISION A POST-PROJECT IMPLEMENTATION MEMORANDUM INCLUDING THE FOLLOWING INFORMATION (ALSO SEE SPECIAL CONDITION 12):</p> <p>A) DATE(S) WORK WITHIN WATERS OF THE U.S. WAS INITIATED AND COMPLETED;</p> <p>B) SUMMARY OF COMPLIANCE STATUS WITH EACH SPECIAL CONDITION OF THIS PERMIT (INCLUDING ANY NONCOMPLIANCE THAT PREVIOUSLY OCCURRED OR IS CURRENTLY OCCURRING AND CORRECTIVE ACTIONS TAKEN OR PROPOSED TO ACHIEVE COMPLIANCE);</p> <p>C) COLOR PHOTOGRAPHS (INCLUDING MAP OF PHOTOPOINTS) TAKEN AT THE PROJECT SITE BEFORE AND AFTER CONSTRUCTION FOR THOSE ASPECTS DIRECTLY ASSOCIATED WITH PERMANENT IMPACTS TO WATERS OF THE U.S. SUCH THAT THE EXTENT OF AUTHORIZED IMPACTS CAN BE VERIFIED;</p> <p>D) ONE COPY OF "AS BUILT" DRAWINGS OR PLANS FOR THE ENTIRE PROJECT. ELECTRONIC SUBMITTAL (ADOBE PDF FORMAT) IS PREFERRED. ALL SHEETS MUST BE SIGNED, DATED, AND TO-SCALE. IF SUBMITTING PAPER COPIES, SHEETS MUST BE NO LARGER THAN 11 X 17 INCHES; AND</p> <p>E) SIGNED CERTIFICATION OF COMPLIANCE (ATTACHED AS PART OF THIS PERMIT PACKAGE).</p>	Sheet 10 - 6
ACOE 404	404-SC13	THE PERMITTEE SHALL ENSURE THAT SUBSTANCES HAZARDOUS TO AQUATIC LIFE INCLUDING, BUT NOT LIMITED TO, PETROLEUM PRODUCTS, RAW CEMENT/CONCRETE, ASPHALT, AND COATING MATERIALS, ARE PREVENTED FROM CONTAMINATING THE SOIL AND/OR ENTERING WOUS AND/OR STATE. BMPS MUST BE IMPLEMENTED TO PREVENT SUCH DISCHARGES DURING EACH PROJECT ACTIVITY INVOLVING HAZARDOUS MATERIALS.	Sheet 9 – 17 thru 28
ACOE 404	404-SC15	THE PERMITTEE SHALL ENSURE THE DREDGED SEDIMENT WILL BE TEMPORARILY STOCKPILED AT SEPARATE STAGING AREAS AS DESCRIBED IN THE TIJUANA RIVER VALLEY EMERGENCY CHANNEL MAINTENANCE PROJECT DESCRIPTION, (CITY OF SAN DIEGO, OCTOBER 1, 2009).	Sheet 9 – 18

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ACOE 404	404-SC16	NO DEBRIS, SAND, SILT, TRASH, CONCRETE OR WASHINGS THEREOF, OIL OR OTHER PETROLEUM PRODUCTS OR WASHINGS THEREOF, OR OTHER FOREIGN MATERIALS SHALL BE ALLOWED TO ENTER OR BE PLACED WHERE IT MAY BE WASHED BY RAINFALL OR RUNOFF WATERS INTO WOUS. UPON PROJECT COMPLETION, ANY AND ALL EXCESS CONSTRUCTION MATERIALS, DEBRIS, AND/OR OTHER EXCESS PROJECT MATERIALS SHALL BE REMOVED TO AN APPROPRIATE UPLAND DISPOSAL SITE (NOT WOUS, INCLUDING JURISDICTIONAL WETLANDS).	Sheet 9 – 6 thru 32
ACOE 404	404-SC17	THE PERMITTEE SHALL INSTALL SILT FENCES TO TRAP ERODED SEDIMENTS ON-SITE AND TO DIVERT RUNOFF AROUND DISTURBED SOILS WITHIN THE STAGING AREAS. SILT FENCES SHALL ALSO BE PLACED ALONG THE TOPS AND TOES OF SLOPES OF ACCESS ROADS, AS NECESSARY, TO PREVENT SILT FROM DISCHARGING INTO WOUS.	Sheet 9 – 9
ACOE 404	404-SC18	THE PERMITTEE SHALL REGULARLY APPLY WATER TO CONSTRUCTION AREAS TO CONTROL DUST IN ORDER TO MINIMIZE IMPACTS TO WOUS ADJACENT TO CONSTRUCTION AREAS. OTHER CONDITIONS PERMITTEE SHALL ABIDE BY TO MITIGATE STAGING AND CONSTRUCTION OPERATIONS TO ADJACENT PROPERTY OWNERS (APOS) NEAR STAGING AREA B INCLUDE: 1) THE EXISTING STOCKPILE ONSITE BE REMOVED AS SOON AS POSSIBLE, 2) NEW STOCKPILES BE ELIMINATED OR MOVED AT LEAST 100 FT. OR BETTER PLACED AND COVERED AS PRACTICABLE, 3) BMPS ARE IN PLACE AND MONITORED FOR AIR, DUST CONTROL, FUELING, VIBRATION, TRASH CONTROL, AND NOISE IMPACTS TO AVOID IMPACTS TO ADJACENT PROPERTIES TO THE MAXIMUM EXTENT PRACTICABLE, AND 4) ASSIST CORPS REVIEW OF NEED FOR STAGING AREA B; AND REVIEW OF OTHER STAGING REPLACEMENT SITES SUCH AS STAGING AREA A PREVIOUSLY USED IN PAST MAINTENANCE. PERMITTEE SHALL BE NOTIFIED WHEN APOS SUBMIT CONCERNS TO PERMITTEE AND THE CORPS SHALL COORDINATE WITH APOS AND PERMITTEE AS APPROPRIATE.	Sheet 9 – 6, 18
ACOE 404	404-SC19	THE PERMITTEE SHALL ENSURE THAT EQUIPMENT NECESSARY TO EXTINGUISH SMALL BRUSH FIRES (FROM SPARKING VEHICLES, ETC.) IS PRESENT ON-SITE DURING ALL PHASES OF PROJECT ACTIVITIES, ALONG WITH TRAINED PERSONNEL FOR USE OF SUCH EQUIPMENT.	Sheet 9 – 33
CDFG 1600	1600-1.5	NOTIFICATION PRIOR TO WORK. THE PERMITTEE SHALL NOTIFY DFG, IN WRITING, AT LEAST FIVE DAYS PRIOR TO INITIATION OF CONSTRUCTION (PROJECT) ACTIVITIES AND AT LEAST FIVE DAYS PRIOR TO COMPLETION OF CONSTRUCTION (PROJECT) ACTIVITIES, EACH TIME PROJECT ACTIVITIES OCCUR. NOTIFICATION SHALL BE SENT TO DFG'S SOUTH COAST OFFICE AT THE ADDRESS ABOVE, ATTN: STREAMBED ALTERATION PROGRAM - SM # 1600-2011-0271-R5.	Sheet 10 – 3

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CDFG 1600	1600-2.11	HERBICIDE USE IN CONFORMANCE WITH APPLICABLE LAWS. NOTHING IN THIS AGREEMENT REPRESENTS A PESTICIDE USE RECOMMENDATION THAT ALLOWS FOR AN ACTION THAT CONFLICTS WITH PESTICIDE USE REGULATIONS. ALL HERBICIDE USE CONDITIONS FOR MIXING, APPLICATION AND CLEAN-UP SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. ANY APPLICATION OF HERBICIDE SHALL BE DONE BY A LICENSED OR CERTIFIED APPLICATOR IN ACCORDANCE WITH ALL APPLICABLE, FEDERAL, STATE, AND LOCAL LAWS.	Sheet 10 – 1
CDFG 1600	1600-2.12	HERBICIDES APPROVED FOR USE NEAR WATER. ANY HERBICIDE USED WHERE THERE IS THE POSSIBILITY THAT THE HERBICIDE COULD COME INTO DIRECT CONTACT WITH WATER SHALL BE APPROVED FOR USE IN AN AQUATIC ENVIRONMENT. GREAT CARE SHALL BE TAKEN TO AVOID CONTACT WITH ANY NATIVE VEGETATION, AND HERBICIDE SHALL ONLY BE APPLIED ON CALM DAYS TO PREVENT AIRBORNE TRANSFER OF THE HERBICIDE,	Sheet 10 – 1
CDFG 1600	1600-2.14	HERBICIDE MIXING SITES. HERBICIDE MIXING SITES SHALL ONLY BE LOCATED IN AREAS DEVOID OF VEGETATION, AND WHERE THERE IS NO POTENTIAL OF A SPILL REACHING A VEGETATED AREA OR A STREAM, FOR EXAMPLE AVOID MIXING AT A STORM WATER-INLET.	Sheet 10 – 1
CDFG 1600	1600-2.15	REMOVE CLEARED MATERIAL FROM STREAM. ALL TRIMMED OR CLEARED MATERIAL/VEGETATION SHALL BE REMOVED FROM THE AREA AND DEPOSITED WHERE IT CANNOT RE-ENTER THE STREAM.	Sheet 9 – 18
CDFG 1600	1600-2.16	SPOIL SITES. SPOIL SITES SHALL NOT BE LOCATED WITHIN A STREAM, WHERE SPOILS MAY BE WASHED BACK INTO A STREAM, OR WHERE IT MAY COVER AQUATIC OR RIPARIAN VEGETATION.	Sheet 9 – 18
CDFG 1600	1600-2.17	MOVEMENT OF ROCK. GRAVEL AND OTHER MATERIALS, ROCK, GRAVEL, AND/OR OTHER MATERIALS SHALL NOT BE IMPORTED TO, TAKEN FROM OR MOVED WITHIN THE BED OR BANKS OF THE STREAM EXCEPT AS ADDRESSED IN THIS AGREEMENT.	Sheet 9 – 2
CDFG 1600	1600-2.18	AUTHORIZED STRUCTURES. THIS AGREEMENT DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY TEMPORARY OR PERMANENT DAM, STRUCTURE, FLOW RESTRICTION OR FILL EXCEPT AS DESCRIBED IN THE PERMITTEE'S NOTIFICATION.	None
CDFG 1600	1600-2.19	MINIMIZE TURBIDITY AND SILTATION. PERMITTEE SHALL TAKE PRECAUTIONS TO MINIMIZE TURBIDITY/SILTATION DURING CONSTRUCTION AND POST-CONSTRUCTION PERIODS, PRECAUTIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO: PRE-CONSTRUCTION PLANNING TO IDENTIFY SITE SPECIFIC TURBIDITY AND SILTATION MINIMIZATION MEASURES AND BEST MANAGEMENT EROSION CONTROL PRACTICES; BEST MANAGEMENT EROSION CONTROL PRACTICES DURING PROJECT ACTIVITY; AND SETTLING, FILTERING, OR OTHERWISE TREATING SILTY AND TURBID WATER PRIOR TO DISCHARGE INTO A STREAM OR STORM DRAIN.	Sheet 9 – 7 thru 15

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CDFG 1600	1600-2.20	DIVERSION PLAN. IF FLOWING WATER IS PRESENT OR REASONABLY ANTICIPATED, THE PERMITTEE SHALL SUBMIT FOR APPROVAL A DETAILED WATER DIVERSION/DEWATERING PLAN TO DFG, DFG WILL REVIEW THE PROPOSED WATER DIVERSION METHOD, TO APPROVE THE PLAN OR PROVIDE THE REQUIREMENTS FOR THAT APPROVAL. THE PERMITTEE MAY NOT COMMENCE THE DEWATERING OF THE STREAM OR DIVERSION OF WATER WITHOUT THE EXPLICIT APPROVAL FROM DFG.	N/A
CDFG 1600	1600-2.21	WEATHER RESTRICTIONS. THE PERMITTEE SHALL MONITOR THE FIVE DAY WEATHER FORECAST. IF ANY PRECIPITATION IS FORECASTED, WORK ACTIVITIES SHALL INVOLVE THE SECURING OF THE SITE SO AS NO MATERIALS MAY ENTER OR BE WASHED INTO THE STREAM. THE SITE SHALL BE COMPLETELY SECURED ONE DAY PRIOR TO PRECIPITATION, UNLESS PRIOR WRITTEN APPROVAL HAS BEEN PROVIDED BY DFG. DURING PERIOD OF PRECIPITATION, NO CONSTRUCTION ACTIVITIES MAY OCCUR; ACTIVITIES INVOLVING THE PREVENTING OF MATERIALS FROM ENTERING THE STREAM OR BEING WASHED DOWNSTREAM MAY BE CONDUCTED. IN THE EVENT THAT ONE INCH OF PRECIPITATION IS ACCUMULATED WITHIN THE WATERSHED, NO ACTIVITIES SHALL OCCUR ON SITE FOR TWO WEEKS, OR UNTIL THE FLOWS HAVE RECEDED AND THE MOISTURE CONTENT OF THE SOILS HAS STABILIZED.	Sheet 9 – 34
CDFG 1600	1600-2.22	MINIMIZE VEHICLE PARKING. VEHICLES MAY ENTER AND EXIT THE WORK AREA AS NECESSARY FOR PROJECT ACTIVITIES, BUT MAY NOT BE PARKED OVERNIGHT WITHIN TEN (10) FEET OF THE DRIP LINE OF ANY TREES; NOR SHALL VEHICLES BE PARKED WHERE MECHANICAL FLUID LEAKS MAY POTENTIALLY ENTER THE WATERS OF THE STATE.	Sheet 9 – 31
CDFG 1600	1600-2.23	EQUIPMENT AND VEHICLE SPILLS AND CONTAMINANTS. ANY EQUIPMENT OR VEHICLES DRIVEN AND/OR OPERATED WITHIN OR ADJACENT TO THE STREAM SHALL BE CHECKED AND MAINTAINED DAILY, TO PREVENT LEAKS OF MATERIALS THAT IF INTRODUCED TO WATER COULD BE DELETERIOUS TO AQUATIC LIFE. THE PERMITTEE SHALL MAINTAIN ALL VEHICLES AND EQUIPMENT IN PROPER WORKING CONDITION TO MINIMIZE FUGITIVE EMISSIONS AND ACCIDENTAL SPILLS FROM MOTOR OIL, ANTIFREEZE, HYDRAULIC FLUID, GREASE, OR OTHER FLUIDS OR HAZARDOUS MATERIALS. ALL FUEL OR HAZARDOUS WASTE LEAKS, SPILLS, OR RELEASES SHALL BE STOPPED OR REPAIRED IMMEDIATELY AND CLEANED UP AT THE TIME OF OCCURRENCE. THE PERMITTEE SHALL BE RESPONSIBLE FOR SPILL MATERIAL REMOVAL AND DISPOSAL TO AN APPROVED OFFSITE LANDFILL AND SPILL REPORTING TO THE PERMITTING AGENCIES. SERVICE CONSTRUCTION EQUIPMENT SHALL BE STORED AT DESIGNATED AREAS ONLY. SERVICE/MAINTENANCE VEHICLES SHALL CARRY APPROPRIATE EQUIPMENT AND MATERIALS TO ISOLATE AND REMEDIATE LEAKS OR SPILLS. A SPILL CONTAINMENT KIT SHALL BE AVAILABLE ONSITE FOR ALL FUELING, MAINTENANCE, AND CONSTRUCTION ACTIVITIES.	Sheet 9 – 22, 27, 31

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler's Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
CDFG 1600	1600-2.24	DRIP PANS. STATIONARY EQUIPMENT SUCH AS CRANES, MOTORS, PUMPS, GENERATORS, AND WELDERS LOCATED WITHIN OR ADJACENT TO THE STREAM SHALL BE POSITIONED OVER DRIP PANS.	Sheet 9 – 32
CDFG 1600	1600-2.25	NO EQUIPMENT MAINTENANCE IN STREAM. NO EQUIPMENT MAINTENANCE SHALL BE DONE WITHIN OR NEAR ANY STREAM/LAKE WHERE PETROLEUM PRODUCTS OR OTHER POLLUTANTS FROM THE EQUIPMENT MAY ENTER THESE AREAS UNDER ANY FLOW.	Sheet 9 – 31
CDFG 1600	1600-2.26	KEEP POLLUTED WATER FROM ENTERING STREAM. WATER CONTAINING MUD, SILT, OR OTHER POLLUTANTS FROM AGGREGATE WASHING OR OTHER ACTIVITIES SHALL NOT BE ALLOWED TO ENTER A FLOWING STREAM OR PLACED IN LOCATIONS THAT MAY BE SUBJECT TO HIGH STORM FLOWS.	Sheet 9 – 9
CDFG 1600	1600-2.27	KEEP POLLUTANTS OUT OF STREAM. NO DEBRIS, SOIL, SILT, SAND, BARK, SLASH, SAWDUST, RUBBISH, CONSTRUCTION WASTE, CEMENT OR CONCRETE OR WASHINGS THEREOF, ASPHALT, PAINT, OIL OR OTHER PETROLEUM PRODUCTS, OR ANY OTHER SUBSTANCES/MATERIALS ASSOCIATED WITH ANY PROJECT-RELATED ACTIVITY SHALL BE ALLOWED TO CONTAMINATE THE SOIL AND/OR ENTER INTO OR BE PLACED WHERE THEY MAY BE WASHED BY RAINFALL OR RUNOFF INTO A STREAM OR LAKE. ANY OF THESE SUBSTANCES/MATERIALS, PLACED WITHIN OR WHERE THEY MAY ENTER A STREAM OR LAKE, BY THE PERMITTEE OR ANY PARTY WORKING UNDER CONTRACT, OR WITH THE PERMISSION OF THE PERMITTEE, SHALL BE REMOVED IMMEDIATELY UPON OBSERVATION OF THEIR PRESENCE. WHEN OPERATIONS ARE COMPLETED, ANY EXCESS MATERIALS OR DEBRIS SHALL BE REMOVED FROM THE WORK AREA.	Sheet 9 – 6 thru 32
CDFG 1600	1600-2.28	150-FOOT HIGH WATER MARK. NO RUBBISH SHALL BE DEPOSITED WITHIN 150 FEET OF THE HIGH WATER MARK OF ANY STREAM.	Sheet 9 - 23
CDFG 1600	1600-2.29	LOCATION OF STORAGE/STAGING AREAS. STAGING/STORAGE AREAS FOR EQUIPMENT AND MATERIALS SHALL BE LOCATED OUTSIDE OF THE STREAM.	Sheet 9 – 18
USFWS BO	BO-CM2	THE CITY WILL TEMPORARILY FENCE (WITH SILT BARRIERS) THE LIMITS OF PROJECT CONSTRUCTION STAGING AREAS AND ACCESS ROUTES AND MARK (E.G., FLAG) THE LIMITS OF DREDGING/EXCAVATION TO PREVENT ADDITIONAL IMPACTS AND THE SPREAD OF SILT FROM THE CONSTRUCTION ZONE INTO ADJACENT AVOIDED HABITATS. FENCING/MARKING WILL BE INSTALLED IN A MANNER THAT DOES NOT IMPACT AVOIDED HABITATS. THE CITY WILL SUBMIT TO THE AGENCIES FOR APPROVAL, AT LEAST 2 DAYS PRIOR TO INITIATING PROJECT IMPACTS, PHOTOGRAPHS THAT SHOW THE FENCED/MARKED LIMITS OF IMPACT. IF WORK OCCURS BEYOND THE FENCED/MARKED LIMITS OF IMPACT, ALL WORK WILL CEASE UNTIL THE PROBLEM HAS BEEN REMEDIED TO THE SATISFACTION OF THE AGENCIES. ANY RIPARIAN/WETLAND OR UPLAND HABITAT IMPACTS THAT OCCUR BEYOND THE APPROVED FENCED WILL BE OFFSET AT A AS DETERMINED BY THE AGENCIES. TEMPORARY CONSTRUCTION FENCING/MARKING WILL BE REMOVED UPON PROJECT COMPLETION.	Sheet 9 – 9

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Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
USFWS BO	BO-CM6	<p>THE CITY WILL ENSURE THAT THE FOLLOWING ENVIRONMENTALLY RESPONSIBLE PRACTICES ARE IMPLEMENTED DURING PROJECT CONSTRUCTION:</p> <p>A) CONTRACTORS AND CONSTRUCTION PERSONNEL WILL STRICTLY LIMIT THEIR ACTIVITIES, VEHICLES, EQUIPMENT, AND CONSTRUCTION MATERIALS TO THE FENCED PROJECT FOOTPRINT;</p> <p>B) THE PROJECT SITE WILL BE KEPT AS CLEAN OF DEBRIS AS POSSIBLE. ALL FOOD RELATED TRASH ITEMS WILL BE ENCLOSED IN SEALED CONTAINERS AND REGULARLY REMOVED FROM THE SITE;</p> <p>C) PETS OF PROJECT PERSONNEL WILL NOT BE ALLOWED ON THE PROJECT SITE;</p> <p>D) ALL EQUIPMENT MAINTENANCE, STAGING, AND DISPENSING OF FUEL, OIL, COOLANT, OR ANY OTHER SUCH ACTIVITIES WILL OCCUR IN DESIGNATED AREAS OUTSIDE OF WATERS OF THE UNITED STATES WITHIN THE FENCED PROJECT IMPACT LIMITS. THESE DESIGNATED AREAS WILL BE LOCATED IN PREVIOUSLY COMPACTED AND DISTURBED AREAS TO THE MAXIMUM EXTENT PRACTICABLE IN SUCH A MANNER AS TO PREVENT ANY RUNOFF FROM ENTERING WATERS OF THE UNITED STATES AND WILL BE SHOWN ON THE CONSTRUCTION PLANS. FUELING OF EQUIPMENT WILL TAKE PLACE WITHIN EXISTING PAVED AREAS GREATER THAN 100 FEET FROM WATERS OF THE UNITED STATES. CONTRACTOR EQUIPMENT WILL BE CHECKED FOR LEAKS PRIOR TO OPERATION AND REPAIRED AS NECESSARY. “NO-FUELING ZONES” WILL BE DESIGNATED ON CONSTRUCTION PLANS; AND</p> <p>E) IMPACTS FROM FUGITIVE DUST WILL BE AVOIDED AND MINIMIZED THROUGH WATERING AND OTHER APPROPRIATE MEASURES; AND</p> <p>F) NO WORK WILL OCCUR AT NIGHT.</p>	Sheet 9 – 2, 6, 23, 31
BIOLOGICAL RESOURCE PROTECTION			
MMP	BIO-1	RESTRICT VEHICLES TO ACCESS DESIGNATED IN THE MASTER PROGRAM.	Sheet 9 – 2
MMP	BIO-2	FLAG AND DELINEATE ALL SENSITIVE BIOLOGICAL RESOURCES TO REMAIN WITHIN OR ADJACENT TO THE MAINTENANCE AREA PRIOR TO INITIATION OF MAINTENANCE ACTIVITIES IN ACCORDANCE WITH THE SITE-SPECIFIC INDIVIDUAL BIOLOGY ASSESSMENT (IBA), INDIVIDUAL HYDROLOGY AND HYDRAULIC ASSESSMENT (IHHA) AND/OR INDIVIDUAL MAINTENANCE PLAN (IMP).	Sheet 10 – 1, 2

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
MMP	BIO-3	CONDUCT A PRE-MAINTENANCE MEETING ON-SITE PRIOR TO THE START OF ANY MAINTENANCE ACTIVITY THAT OCCURS WITHIN OR ADJACENT TO SENSITIVE BIOLOGICAL RESOURCES. THE PRE-MAINTENANCE MEETING SHALL INCLUDE THE QUALIFIED BIOLOGIST, FIELD ENGINEER/PLANNER, EQUIPMENT OPERATORS/SUPERINTENDENT AND ANY OTHER KEY PERSONNEL CONDUCTING OR INVOLVED WITH THE CHANNEL MAINTENANCE ACTIVITIES. THE QUALIFIED BIOLOGIST SHALL POINT OUT OR IDENTIFY SENSITIVE BIOLOGICAL RESOURCES TO BE AVOIDED DURING MAINTENANCE, FLAG/DELINEATE SENSITIVE RESOURCES TO BE AVOIDED, REVIEW SPECIFIC MEASURES TO BE IMPLEMENTED TO MINIMIZE DIRECT/INDIRECT IMPACTS, AND DIRECT CREWS OR OTHER PERSONNEL TO PROTECT SENSITIVE BIOLOGICAL RESOURCES AS NECESSARY. THE BIOLOGIST SHALL ALSO REVIEW THE PROPOSED EROSION CONTROL METHODS TO CONFIRM THAT THEY WOULD NOT POSE A RISK TO WILDLIFE (E.G., NON-BIODEGRADABLE BLANKETS WHICH MAY ENTANGLE WILDLIFE).	Sheet 10 – 2
MMP	BIO-4	AVOID INTRODUCTION OF INVASIVE PLANT SPECIES WITH PHYSICAL EROSION CONTROL MEASURES (E.G., FIBER MULCH, RICE STRAW, ETC.).	Sheet 10 – 4
MMP	BIO-5	CONDUCT APPROPRIATE PRE-MAINTENANCE PROTOCOL SURVEYS IF MAINTENANCE IS PROPOSED DURING THE BREEDING SEASON OF A SENSITIVE ANIMAL SPECIES. IF SENSITIVE ANIMAL SPECIES COVERED BY THE PEIR ARE IDENTIFIED, THEN APPLICABLE MEASURES FROM THE MMRP SHALL BE IMPLEMENTED UNDER THE DIRECTION OF A QUALIFIED BIOLOGIST TO AVOID SIGNIFICANT DIRECT AND/OR INDIRECT IMPACTS TO IDENTIFIED SENSITIVE ANIMAL SPECIES. IF SENSITIVE ANIMAL SPECIES ARE IDENTIFIED DURING PRE-MAINTENANCE SURVEYS THAT ARE NOT COVERED BY THE PEIR, SWD SHALL CONTACT THE APPROPRIATE WILDLIFE AGENCIES AND ADDITIONAL ENVIRONMENTAL REVIEW UNDER CEQA WILL BE REQUIRED.	Sheet 10 – 1, 2
MMP	BIO-6	REMOVE ARUNDO THROUGH ONE, OR A COMBINATION OF, THE FOLLOWING METHODS : (1) FOLIAR SPRAY (SPRAYING HERBICIDE ON LEAVES AND STEMS WITHOUT CUTTING FIRST) WHEN ARUNDO OCCURS IN MONOTYPIC STANDS, OR (2) CUT AND PAINT (CUTTING STEMS CLOSE TO THE GROUND AND SPRAYING OR PAINTING HERBICIDE ON CUT STEM SURFACE) WHEN ARUNDO IS INTERMIXED WITH NATIVE PLANTS. WHEN SEDIMENT SUPPORTING ARUNDO MUST BE REMOVED, THE SEDIMENT SHALL BE EXCAVATED TO A DEPTH SUFFICIENT TO REMOVE THE RHIZOMES, WHEREVER FEASIBLE. FOLLOWING REMOVAL OF SEDIMENT CONTAINING RHIZOMES, LOOSE RHIZOME MATERIAL SHALL BE REMOVED FROM THE CHANNEL AND DISPOSED OFFSITE. AFTER THE INITIAL TREATMENT, THE AREA OF REMOVAL SHALL BE INSPECTED ON A QUARTERLY BASIS FOR UP TWO YEARS, OR UNTIL NO RESPROUTING IS OBSERVED DURING AN INSPECTION. IF RESPROUTING IS OBSERVED, THE CUT AND PAINT METHOD SHALL BE APPLIED TO ALL RESPROUTS.	Sheet 10 – 5

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
MMP	BIO-7	AVOID MECHANIZED MAINTENANCE WITHIN 300 FEET OF A COOPER’S HAWK NEST, 900 FEET OF A NORTHERN HARRIER’S NEST, OR 500 FEET OF ANY OTHER RAPTOR’S NEST UNTIL ANY FLEDGLINGS HAVE LEFT THE NEST.	Sheet 10 – 1, 2
CDP-SPECIAL CONDITIONS	CDP-5	TO AVOID POTENTIAL IMPACTS TO COASTAL CALIFORNIA GNATCATCHER, LEAST BELL’S VIREO, AND OTHER SENSITIVE BIRD SPECIES, DURING THEIR NESTING SEASON, MAINTENANCE ACTIVITIES WITHIN VEGETATED CHANNELS WILL NOT BE PERMITTED BETWEEN THE DATES OF FEBRUARY 15 TH AND SEPTEMBER 15 TH OF ANY YEAR; UNLESS WRITTEN PERMISSION FROM THE CALIFORNIA DEPARTMENT OF FISH AND GAME AND US FISH AND WILDLIFE SERVICE IS PROVIDED TO THE EXECUTIVE DIRECTOR FOR REVIEW AND WRITTEN APPROVAL.	Sheet 9 – 1
CDP-SPECIAL CONDITIONS	CDP-6A	PRIOR TO THE OF CONSTRUCTION, THE LIMITS OF THE WORK AREAS AND STAGING AREAS SHALL BE DELINEATED IN COOPERATION WITH A QUALIFIED BIOLOGIST, LIMITING THE POTENTIAL AREA AFFECTED BY CONSTRUCTION AND ENSURING THAT ALL AGRICULTURAL LANDS, WETLANDS, AND OTHER ENVIRONMENTALLY SENSITIVE HABITATS ADJACENT TO CONSTRUCTION AREAS ARE AVOIDED DURING CONSTRUCTION. ALL VEHICLES AND EQUIPMENT SHALL BE RESTRICTED TO THESE PRE-ESTABLISHED WORK AREAS AND HAUL ROUTES AND TO ESTABLISHED OR DESIGNATED STAGING AREAS. CLEARING AND GRADING SHALL BE LIMITED TO THE MINIMAL FOOTPRINT NECESSARY AND FOR THE SHORTEST TIME NECESSARY TO AVOID IMPACTS TO ADJACENT ESHA, RIPARIAN HABITAT AND COASTAL WATERS.	Sheet 9 – 2, Sheet 10 - 1
PEIR	BIO-4.3.6	PRIOR TO COMMENCING ANY ACTIVITY WHERE THE IBA INDICATES SIGNIFICANT IMPACTS TO BIOLOGICAL RESOURCES MAY OCCUR, A PRE-MAINTENANCE MEETING SHALL BE HELD ON SITE WITH THE FOLLOWING IN ATTENDANCE: CITY’S SWD MAINTENANCE MANAGER (MM), MITIGATION MONITORING COORDINATOR (MMC), AND MAINTENANCE CONTRACTOR (MC). THE BIOLOGIST SELECTED TO MONITOR THE ACTIVITIES SHALL BE PRESENT. AT THIS MEETING, THE MONITORING BIOLOGIST SHALL IDENTIFY AND DISCUSS THE MAINTENANCE PROTOCOLS THAT APPLY TO THE MAINTENANCE ACTIVITIES. AT THE PRE-MAINTENANCE MEETING, THE MONITORING BIOLOGIST SHALL SUBMIT TO THE MMC AND MC A COPY OF THE MAINTENANCE PLAN (REDUCED TO 11”X17”) THAT IDENTIFIES AREAS TO BE PROTECTED, FENCED, AND MONITORED. THIS DATA SHALL INCLUDE ALL PLANNED LOCATIONS AND DESIGN OF NOISE ATTENUATION WALLS OR OTHER DEVICES. THE MONITORING BIOLOGIST ALSO SHALL SUBMIT A MAINTENANCE SCHEDULE TO THE MMC AND MC INDICATING WHEN AND WHERE MONITORING IS TO BEGIN AND SHALL NOTIFY THE MMC OF THE START DATE FOR MONITORING.	Sheet 10 – 2

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	BIO-4.3.13	<p>PRIOR TO COMMENCING ANY MAINTENANCE ACTIVITY WHICH MAY IMPACT SENSITIVE BIOLOGICAL RESOURCES, THE MONITORING BIOLOGIST SHALL VERIFY THAT THE FOLLOWING ACTIONS HAVE BEEN TAKEN, AS APPROPRIATE:</p> <ul style="list-style-type: none"> • FENCING, FLAGGING, SIGNAGE, OR OTHER MEANS TO PROTECT SENSITIVE RESOURCES TO REMAIN AFTER MAINTENANCE HAS BEEN IMPLEMENTED; • NOISE ATTENUATION MEASURES NEEDED TO PROTECT SENSITIVE WILDLIFE ARE IN PLACE AND EFFECTIVE; AND/OR • NESTING RAPTORS HAVE BEEN IDENTIFIED AND NECESSARY MAINTENANCE SETBACKS HAVE BEEN ESTABLISHED IF MAINTENANCE IS TO OCCUR BETWEEN JANUARY 15 AND AUGUST 31. <p>THE DESIGNATED BIOLOGICAL MONITOR SHALL BE PRESENT THROUGHOUT THE FIRST FULL DAY OF MAINTENANCE, WHENEVER MANDATED BY THE ASSOCIATED IBA. THEREAFTER, THROUGH THE DURATION OF THE MAINTENANCE ACTIVITY, THE MONITORING BIOLOGIST SHALL VISIT THE SITE WEEKLY TO CONFIRM THAT MEASURES REQUIRED TO PROTECT SENSITIVE RESOURCES (E.G., FLAGGING, FENCING, NOISE BARRIERS) CONTINUE TO BE EFFECTIVE. THE MONITORING BIOLOGIST SHALL DOCUMENT MONITORING EVENTS VIA A CONSULTANT SITE VISIT RECORD. THIS RECORD SHALL BE SENT TO THE MM EACH MONTH. THE MM WILL FORWARD COPIES TO MMC.</p>	Sheet 10 – 1, 6
PEIR	BIO-4.3.16	<p>MAINTENANCE ACTIVITIES SHALL NOT OCCUR WITHIN THE FOLLOWING AREAS:</p> <ul style="list-style-type: none"> • 300 FEET FROM ANY NESTING SITE OF COOPER’S HAWK (ACCIPITER COOPERII); • 1,500 FEET FROM KNOWN LOCATIONS OF THE SOUTHERN POND TURTLE (CLEMMYS MARMORATA PALLIDA); • 900 FEET FROM ANY NESTING SITES OF NORTHERN HARRIERS (CIRCUS CYANEUS); • 4,000 FEET FROM ANY NESTING SITES OF GOLDEN EAGLES (AQUILA CHRYSAETOS); OR • 300 FEET FROM ANY OCCUPIED BURROW OR BURROWING OWLS (ATHENE CUNICULARIA). 	Sheet 10 – 1

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	BIO-4.3.17	<p>IF EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR A LISTED SPECIES TO BE PRESENT, BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CLEARING, GRUBBING, OR GRADING (INSIDE AND OUTSIDE THE MHPA) SHALL BE RESTRICTED DURING THE BREEDING SEASON WHERE DEVELOPMENT MAY IMPACT THE FOLLOWING SPECIES:</p> <ul style="list-style-type: none"> • LIGHT-FOOTED CLAPPER RAIL (BETWEEN FEBRUARY 15 AND AUGUST 15); • WESTERN SNOWY PLOVER (BETWEEN MARCH 1 AND SEPTEMBER 15); • LEAST TERN (BETWEEN APRIL 1 AND SEPTEMBER 15); • CACTUS WREN (BETWEEN FEBRUARY 15 AND AUGUST 15); OR • TRICOLORED BLACK BIRD (BETWEEN MARCH 1 AND AUGUST 1. <p>WHEN OTHER SENSITIVE SPECIES, INCLUDING, BUT NOT LIMITED TO, THE ARROYO TOAD, BURROWING OWL, OR QUINO CHECKERSPOT BUTTERFLY ARE KNOWN OR SUSPECTED TO BE PRESENT ALL APPROPRIATE PROTOCOL SURVEYS AND MITIGATION MEASURES SHALL BE IMPLEMENTED.</p>	Sheet 9 – 1
PEIR	BIO-4.3.18	<p>IF A SUBJECT SPECIES IS NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE CITY’S ASSISTANT DEPUTY DIRECTOR (ADD) ENVIRONMENTAL DESIGNEE AND AN APPLICABLE RESOURCE AGENCY WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN THE DATES STATED ABOVE FOR EACH SPECIES. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY.</p>	Sheet 10 – 1
PEIR	BIO-4.3.19	<p>IF THE SWD CHOOSES NOT TO DO THE REQUIRED SURVEYS, THEN IT SHALL BE ASSUMED THAT THE APPROPRIATE AVIAN SPECIES ARE PRESENT AND ALL NECESSARY PROTECTION AND MITIGATION MEASURES SHALL BE REQUIRED AS DESCRIBED IN MITIGATION MEASURE 4.3.21.</p>	Sheet 10 – 1
PEIR	BIO-4.3.20	<p>IF NO SURVEYS ARE COMPLETED AND NO SOUND ATTENUATION DEVICES ARE INSTALLED, IT WILL BE ASSUMED THAT THE HABITAT IN QUESTION IS OCCUPIED BY THE APPROPRIATE SPECIES AND THAT MAINTENANCE ACTIVITIES WOULD GENERATE MORE THAN 60DB(A) LEQ WITHIN THE HABITAT REQUIRING PROTECTION. ALL SUCH ACTIVITIES ADJACENT TO THE PROTECTED HABITAT SHALL CEASE FOR THE DURATION OF THE BREEDING SEASON OF THE APPROPRIATE SPECIES AND A QUALIFIED BIOLOGIST SHALL ESTABLISH A LIMIT OF WORK.</p>	Sheet 10 – 1

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	BIO-4.3.21	IF MAINTENANCE OCCURS DURING THE RAPTOR BREEDING SEASON (JANUARY 15 TO AUGUST 31), A PRE-MAINTENANCE SURVEY FOR ACTIVE RAPTOR NESTS SHALL BE CONDUCTED IN AREAS SUPPORTING SUITABLE HABITAT. IF ACTIVE RAPTOR NESTS ARE FOUND, MAINTENANCE SHALL NOT OCCUR WITHIN 300 FEET OF A COOPER’S HAWK NEST, 900 FEET OF A NORTHERN HARRIER’S NEST, OR 500 FEET OF ANY OTHER RAPTOR’S NEST UNTIL ANY FLEDGLINGS HAVE LEFT THE NEST.	Sheet 10 – 6
PEIR	BIO-4.3.22	IF REMOVAL OF ANY EUCALYPTUS TREES OR OTHER TREES USED BY RAPTORS FOR NESTING WITHIN A MAINTENANCE AREA IS PROPOSED DURING THE RAPTOR BREEDING SEASON (JANUARY 15 THROUGH AUGUST 31), A QUALIFIED BIOLOGIST SHALL ENSURE THAT NO RAPTORS ARE NESTING IN SUCH TREES. IF MAINTENANCE OCCURS DURING THE RAPTOR BREEDING SEASON, A PRE-MAINTENANCE SURVEY SHALL BE CONDUCTED AND NO MAINTENANCE SHALL OCCUR WITHIN 300 FEET OF ANY NESTING SITE OF COOPER’S HAWK OR OTHER NESTING RAPTOR UNTIL THE YOUNG FLEDGE. SHOULD THE BIOLOGIST DETERMINE THAT RAPTORS ARE NESTING, THE TREES SHALL NOT BE REMOVED UNTIL AFTER THE BREEDING SEASON. IN ADDITION, IF REMOVAL OF GRASSLAND OR OTHER HABITAT APPROPRIATE FOR NESTING BY NORTHERN HARRIERS, A QUALIFIED BIOLOGIST SHALL ENSURE THAT NO HARRIERS ARE NESTING IN SUCH AREAS. IF MAINTENANCE OCCURS DURING THE RAPTOR BREEDING SEASON, A PRE-MAINTENANCE SURVEY SHALL BE CONDUCTED AND NO MAINTENANCE SHALL OCCUR WITHIN 900 FEET OF ANY NESTING SITE OF NORTHERN HARRIER UNTIL THE YOUNG FLEDGE.	Sheet 10 – 6
PEIR	BIO-4.3.23	IF MAINTENANCE ACTIVITIES WOULD OCCUR AT KNOWN LOCALITIES FOR LISTED FISH SPECIES OR WITHIN SUITABLE HABITAT FOR OTHER HIGHLY SENSITIVE AQUATIC SPECIES (I.E., SOUTHWESTERN POND TURTLE), AVOIDANCE OR MINIMIZATION MEASURES (I.E., EXCLUSIONARY FENCING, DEWATERING OF THE ACTIVITY AREA, LIVE-TRAPPING, AND TRANSLOCATION TO SUITABLE HABITAT) MUST BE IMPLEMENTED.	Sheet 10 – 1
PEIR	BIO-4.3.24	IF MAINTENANCE ACTIVITIES WILL OCCUR WITHIN AREAS SUPPORTING LISTED AND/OR NARROW ENDEMIC PLANTS, THE BOUNDARIES OF THE PLANT POPULATIONS DESIGNATED SENSITIVE BY THE RESOURCE AGENCIES WILL BE CLEARLY DELINEATED WITH FLAGGING OR TEMPORARY FENCING THAT MUST REMAIN IN PLACE FOR THE DURATION OF THE ACTIVITY.	Sheet 10 – 1 , 2
PEIR	4.3.25	IN ORDER TO AVOID IMPACTS TO NESTING AVIAN SPECIES, INCLUDING THOSE SPECIES NOT COVERED BY THE MSCP, MAINTENANCE WITHIN OR ADJACENT TO AVIAN NESTING HABITAT SHALL OCCUR OUTSIDE OF THE AVIAN BREEDING SEASON (JANUARY 15 TO AUGUST 31) UNLESS POSTPONING MAINTENANCE WOULD RESULT IN A THREAT TO HUMAN LIFE OR PROPERTY.	Sheet 9 – 1, Sheet 10 – 1, 2

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
ACOE 404	404-SC5	IF TEMPORARY IMPACTS OCCUR THEN THE PERMITTEE SHALL ENSURE ALL SITES WITHIN WATERS OF THE U.S. SUBJECT TO AUTHORIZED, TEMPORARY IMPACTS ARE RESTORED TO PRE-PROJECT ALIGNMENTS, ELEVATION CONTOURS, AND CONDITIONS, INCLUDING RE-VEGETATION WITH APPROPRIATE NATIVE PLANT SPECIES AFTER COMPLETION OF CONSTRUCTION IN THE AREA, AS DESCRIBED IN THE FINAL, CORPS-APPROVED MITIGATION PLAN: "CONCEPTUAL WETLANDS MITIGATION AND MONITORING PLAN" (DATED AUGUST 2010, AND PREPARED BY DUDEK). AT A MINIMUM, THE ACREAGE OF WATERS OF THE U.S. AND AQUATIC RESOURCE FUNCTIONS OF EACH SITE SHALL EQUAL OR EXCEED PRE-PROJECT ACREAGE OF WATERS OF THE U.S. AND AQUATIC RESOURCE FUNCTIONS BY THE END OF THE MONITORING PERIOD AS SPECIFIED IN THE PLAN. FUNCTIONS FOR THE ABOVE IMPACT AREAS SHALL BE ASSESSED ANNUALLY USING CRAM, RSRA, OR A SIMILAR CORPS-APPROVED FUNCTIONAL/CONDITION ASSESSMENT METHOD AS DESCRIBED IN THE ABOVE-MENTIONED MITIGATION PLAN. THE PERMITTEE'S RESPONSIBILITY TO COMPLETE THE REQUIRED RESTORATION AS SET FORTH IN THIS SPECIAL CONDITION SHALL NOT BE CONSIDERED FULFILLED UNTIL THE PERMITTEE HAS MET OR EXCEEDED ALL FINAL PERFORMANCE STANDARDS FOR EACH IMPACT AREA AND HAS OBTAINED WRITTEN CONFIRMATION FROM THE CORPS VERIFYING SUCCESSFUL RESTORATION NOTE: IF NOT DONE PREVIOUSLY AS PART OF THE PERMIT APPLICATION EVALUATION PROCESS, THEN PRIOR TO INITIATING CONSTRUCTION IN SITES WITHIN WATERS OF THE U.S. SUBJECT TO AUTHORIZED, TEMPORARY IMPACTS, THE PERMITTEE SHALL CONDUCT A FUNCTIONAL/CONDITION ASSESSMENT TO ESTABLISH PRE-PROJECT (BASELINE) FUNCTIONS AT EACH IMPACT SITE.	Sheet 9 – 39
ACOE 404	404-SC6	AVOIDING NATIVE VEGETATION: AUTHORIZED MAINTENANCE AREAS SHALL FOLLOW THE PATH OF CLEARING/EXCAVATION IN THE GENERAL AREA OF PRIOR CONSTRUCTION/MAINTENANCE TO THE MAXIMUM EXTENT PRACTICABLE SO AS TO AVOID MATURE RIPARIAN HABITAT INCLUDING MULEFAT, WILLOWS, COTTONWOOD, BLUE ELDERBERRY, AND OTHER NATIVE VEGETATION. DURING VEGETATION CLEARING, THE CLEARING PATH SHALL BE CLEARLY MARKED BY STAKES AND BRIGHTLY COLORED FLAGGING MATERIAL. A BIOLOGICAL MONITOR SHALL BE PRESENT DURING ANY VEGETATION REMOVAL ACTIVITIES	Sheet 9 – 2, 3
ACOE 404	404-SC7	PRECONSTRUCTION PRESENCE/ABSENCE SURVEYS: IN THE PILOT CHANNEL, A QUALIFIED BIOLOGIST WITH A MINIMUM 3 YEARS OF EXPERIENCE RELEVANT TO DETECTING CLAPPER RAIL (PROJECT BIOLOGIST) SHALL CONDUCT AT LEAST ONE PRE-CONSTRUCTION PRESENCE/ABSENCE SURVEY WITHIN 72 HOURS OF THE START OF CONSTRUCTION. THE RESULTS OF THE FIRST SURVEY WILL BE PROVIDED TO THE CORPS AT LEAST 24 HOURS PRIOR TO THE START OF MAINTENANCE ACTIVITIES. THE CLAPPER RAIL BIOLOGIST SHALL IMMEDIATELY NOTIFY THE ACOE IF A CLAPPER RAIL IS DETECTED.	Sheet 10 – 2

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler's Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
ACOE 404	404-SC8	AVOIDANCE OF THE BREEDING SEASON: ALL PROJECT ACTIVITIES WITHIN JURISDICTIONAL AREAS SHALL BE CONDUCTED BETWEEN SEPTEMBER 15 AND MARCH 15 ONLY.	Sheet 9 – 1
ACOE 404	404-SC9	CONTINUING MONITORING: A QUALIFIED BIOLOGICAL MONITOR THAT CAN RECOGNIZE CLAPPER RAILS AND THEIR VOCALIZATIONS SHALL BE PRESENT DURING ALL THE PROJECT MAINTENANCE ACTIVITY WITHIN THE CHANNELS, ENFORCE THE LIMITS OF MAINTENANCE AND ENSURE THAT NO HARM TO CLAPPER RAILS OCCURS. BEFORE EACH WORKDAY IN THE PILOT CHANNEL BEGINS, THE BIOLOGICAL MONITOR SHALL WALK UPSTREAM TO DOWNSTREAM ON EITHER SIDE OF THE CHANNEL TO EVALUATE IF CLAPPER RAILS HAVE ENTERED THE PROJECT AREA. IF A CLAPPER RAIL IS DETECTED, THE LIMITS OF IMPACT ARE EXCEEDED, AND OR TAKE TO THE CLAPPER RAIL OCCURS, THE BIOLOGICAL MONITOR SHALL STOP WORK AND CONTACT THE CORPS/USFWS IMMEDIATELY. WORK MAY NOT RESUME UNTIL APPROVED BY THE CORPS.	Sheet 10 – 7
ACOE 404	404-SC10	THE BIOLOGICAL MONITOR SHALL SUBMIT WEEKLY LETTER REPORTS TO THE ACOE, AND RWQCB DURING BOTH PRE-CONSTRUCTION AND START OF CONSTRUCTION SURVEYS AND DURING CHANNEL MAINTENANCE ACTIVITIES. RAW FIELD NOTES SHALL BE AVAILABLE UPON REQUEST. THE WEEKLY REPORTS SHALL INCLUDE TEXT AND PHOTOS OF THE FOLLOWING: DOCUMENT THAT AUTHORIZED IMPACTS WERE NOT EXCEEDED; OUTLINE DAILY CLAPPER RAIL SURVEY RESULTS; DESCRIBE LOCATION AND TYPE OF MAINTENANCE ACTIVITIES; AND IDENTIFY EQUIPMENT USED.	Sheet 10 – 7
ACOE 404	404-SC11	TEMPORARY IMPACTS TO WATERS OF THE UNITED STATES (WOUS), INCLUDING JURISDICTIONAL WETLANDS AND NON-WETLAND WATERS, SHALL BE MITIGATED THROUGH THE RESTORATION OF ALL TEMPORARY IMPACT AREAS TO PRE-CONSTRUCTION CONTOURS. ALL DISTURBED AREAS SHALL BE REVEGETATED WITH PRE-EXISTING AND/OR NATIVE WETLAND VEGETATION.	Sheet 9 – 39
ACOE 404	404-SC12	THE PERMITTEE SHALL SUBMIT TO THE CORPS WITHIN (60) DAYS OF COMPLETION OF WATERS/WETLANDS IMPACTS AUTHORIZED BY THIS IP A REPORT THAT WILL INCLUDE AS-BUILT CONSTRUCTION DRAWINGS WITH AN OVERLAY OF WATERS/WETLANDS THAT WERE IMPACTED AND THOSE THAT WERE PRESERVED, DATED AND LABELED PHOTOGRAPHS OF WATERS/WETLAND AREAS THAT ARE IMPACTED AND THOSE TO BE PRESERVED, AND A SUMMARY OF ALL PROJECT ACTIVITIES WHICH DOCUMENTS THAT AUTHORIZED WATERS/WETLANDS IMPACTS WERE NOT EXCEEDED, AND COMPLIANCE WITH ALL PERMIT CONDITIONS.	None
ACOE 404	404-SC14	THE PERMITTEE SHALL REMOVE AND DISPOSE OF EXOTIC INVASIVE SPECIES IN A MANNER THAT PREVENTS THE SPREAD OF EXOTIC INVASIVE SPECIES TO OTHER AREAS.	Sheet 9 – 5

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Tijuana River Pilot Channel and Smuggler's Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
ACOE 404	404-ESA1	THIS CORPS PERMIT DOES NOT AUTHORIZE YOU TO TAKE ANY THREATENED OR ENDANGERED SPECIES, IN PARTICULAR THE FEDERALLY-LISTED AS ENDANGERED LEAST BELL'S VIREO (VIREO BELLII PUSILLUS, VIREO) OR ADVERSELY MODIFY ITS DESIGNATED CRITICAL HABITAT AND THE LIGHT-FOOTED CLAPPER RAIL (RALLUS LONGIROSTRIS LEVIPES). IN ORDER TO LEGALLY TAKE A LISTED SPECIES, YOU MUST HAVE SEPARATE AUTHORIZATION UNDER THE ENDANGERED SPECIES ACT (ESA) (E.G. ESA SECTION 10 PERMIT, OR A BIOLOGICAL OPINION (BO) UNDER ESA SECTION 7, WITH "INCIDENTAL TAKE" PROVISIONS WITH WHICH YOU MUST COMPLY). THE ENCLOSED U.S. FISH AND WILDLIFE SERVICE BIOLOGICAL OPINION FWS-SDG-OBB0600-LOF0001 (BO) CONTAINS MANDATORY TERMS AND CONDITIONS TO IMPLEMENT THE REASONABLE AND PRUDENT MEASURES THAT ARE ASSOCIATED WITH "INCIDENTAL TAKE" THAT IS ALSO SPECIFIED IN THE BO. YOUR AUTHORIZATION UNDER THIS CORPS PERMIT IS CONDITIONAL UPON YOUR COMPLIANCE WITH ALL OF THE MANDATORY TERMS AND CONDITIONS ASSOCIATED WITH INCIDENTAL TAKE OF THE BO, WHICH TERMS AND CONDITIONS ARE INCORPORATED BY REFERENCE IN THIS PERMIT. FAILURE TO COMPLY WITH THE TERMS AND CONDITIONS ASSOCIATED WITH INCIDENTAL TAKE OF THE BO, WHERE A TAKE OF THE LISTED SPECIES OCCURS, WOULD CONSTITUTE AN UNAUTHORIZED TAKE, AND IT WOULD ALSO CONSTITUTE NON-COMPLIANCE WITH YOUR CORPS PERMIT. THE U.S. FISH AND WILDLIFE SERVICE IS THE APPROPRIATE AUTHORITY TO DETERMINE COMPLIANCE WITH THE TERMS AND CONDITIONS OF ITS BO AND WITH THE ESA.	None
CDFG 1600	1600-2.1	NESTING BIRDS. TO PROTECT NESTING BIRDS, NO PROJECT ACTIVITIES SHALL OCCUR FROM JANUARY 15 THROUGH SEPTEMBER 15 ANNUALLY, EXCEPT THAT PROJECT ACTIVITIES MAY OCCUR FROM JANUARY 15 THROUGH MARCH 15 IF NESTING BIRD SURVEYS ARE COMPLETED BY A QUALIFIED BIOLOGIST WITHIN ONE WEEK PRIOR TO INITIATION OF ACTIVITIES IN THAT AREA, AND NO NESTING BIRDS ARE PRESENT WITHIN A 200' RADIUS (500' FOR THREATENED AND ENDANGERED SPECIES, AND ALL RAPTORS, INCLUDING BOTH DIURNAL AND NOCTURNAL SPECIES). THIS AGREEMENT DOES NOT ALLOW THE PERMITTEE, ANY EMPLOYEES, OR AGENTS TO DESTROY OR DISTURB ANY ACTIVE BIRD NEST (SECTION 3503 FISH AND GAME CODE) OR ANY RAPTOR NEST (SECTION 3503.5) AT ANY TIME OF THE YEAR.	Sheet 9 - 1, Sheet 10 - 2
CDFG 1600	1600-2.2	LIGHT-FOOTED CLAPPER RAIL. FOCUSED SURVEYS FOR LIGHT-FOOTED CLAPPER RAIL SHALL BE CONDUCTED BY A QUALIFIED AVIAN BIOLOGIST (SOMEONE WITH AT LEAST THREE YEARS OF EXPERIENCE) WITHIN 72 HOURS PRIOR TO THE INITIATION OF ANNUAL MAINTENANCE ACTIVITIES. IF LIGHT-FOOTED CLAPPER RAIL ARE DETECTED (DURING FOCUSED SURVEYS OR DURING DAILY PRECONSTRUCTION SURVEYS), MAINTENANCE ACTIVITIES WITHIN THAT PORTION OF THE PROJECT SHALL HALT IMMEDIATELY AND THE PERMITTEE SHALL CONSULT WITH DFG FOR GUIDANCE ON RESUMING PROJECT ACTIVITIES IN A MANNER THAT AVOIDS POTENTIAL IMPACTS TO THAT SPECIES.	Sheet 10 - 7

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
CDFG 1600	1600-2.3	PROTECTED SPECIES. THIS AGREEMENT DOES NOT AUTHORIZE TAKE, INCIDENTAL OR OTHERWISE, OF ANY PROTECTED SPECIES. FOR THE PURPOSE OF THIS AGREEMENT, "PROTECTED SPECIES" MEANS THE FOLLOWING: A SPECIES FULLY PROTECTED UNDER STATE LAW; A SPECIES LISTED UNDER THE CALIFORNIA ENDANGERED SPECIES ACT (FISH & G. CODE § 2050 ET SEQ.) AND/OR ENDANGERED SPECIES ACT (16 U.S.C. § 1531 ET SEQ.); A SPECIES IDENTIFIED BY DFG AS A SPECIES OF SPECIAL CONCERN; OR ANY OTHER SPECIES FOR WHICH TAKE IS PROHIBITED UNDER STATE OR FEDERAL LAW. NO DIRECT OR INDIRECT IMPACTS SHALL OCCUR TO ANY PROTECTED SPECIES, EXCEPT AS MAY BE AUTHORIZED BY A NATURAL COMMUNITY CONSERVATION PLAN OR ONE OR MORE INDIVIDUAL PERMITS THAT AUTHORIZE SUCH IMPACTS.	None
CDFG 1600	1600-2.4	SURVEY COMPLETED BY QUALIFIED BIOLOGIST. THE PERMITTEE SHALL HAVE A QUALIFIED BIOLOGIST SURVEY THE PROPOSED WORK AREA TO VERIFY THE PRESENCE OR ABSENCE OF PROTECTED SPECIES. THE RESULTS OF THESE SURVEYS SHALL BE PROVIDED TO DFG, ALONG WITH COPIES OF ALL FIELD NOTES, PRIOR TO THE INITIATION OF WORK. THE SURVEYS SHALL BE CONDUCTED PURSUANT TO PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE UNITED STATES FISH AND WILDLIFE SERVICE (USFWS) OR, IF NO PROTOCOL EXISTS, THE SURVEY TECHNIQUE SHALL BE APPROVED BY DFG IN WRITING. THE BIOLOGIST SHALL HAVE ALL REQUIRED PERMITS.	Sheet 10 – 2, 6
CDFG 1600	1600-2.5	PROTECTED SPECIES PLAN. IF A PROTECTED SPECIES IS FOUND IN THE PROPOSED WORK AREA, OR IS IN A LOCATION WHICH COULD BE DIRECTLY OR INDIRECTLY AFFECTED BY THE WORK PROPOSED, THE PERMITTEE SHALL SUBMIT A PLAN TO DFG FOR REVIEW AND APPROVAL PRIOR TO THE INITIATION OF WORK TO ENSURE IMPACTS TO THE SPECIES ARE AVOIDED. THE PERMITTEE SHALL HAVE A QUALIFIED BIOLOGIST ONSITE DAILY TO ENSURE THAT NO IMPACTS OCCUR TO PROTECTED SPECIES.	Sheet 10 – 2, 6
CDFG 1600	1600-2.6	NOTIFICATION TO THE CALIFORNIA NATURAL DIVERSITY DATABASE. IF ANY SPECIAL STATUS SPECIES ARE OBSERVED IN PROJECT SURVEYS, PERMITTEE OR DESIGNATED REPRESENTATIVE SHALL SUBMIT NATURAL DIVERSITY DATA BASE (NDDDB) FORMS TO THE NDDDB FOR ALL SURVEY DATA WITHIN FIVE (5) WORKING DAYS OF THE SIGHTINGS, AND PROVIDE TO DFG'S REGIONAL OFFICE COPIES OF THE NDDDB FORMS AND SURVEY MAPS.	Sheet 10 – 1
CDFG 1600	1600-2.7	LEAVE WILDLIFE UNHARMED. IF ANY WILDLIFE IS ENCOUNTERED DURING THE COURSE OF CONSTRUCTION, SAID WILDLIFE SHALL BE ALLOWED TO LEAVE THE CONSTRUCTION AREA UNHARMED.	Sheet 10 – 9

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
CDFG 1600	1600-2.8	ON-SITE BIOLOGIST WITH STOPWORK AUTHORIZATION. PERMITTEE SHALL HAVE A QUALIFIED BIOLOGIST ON SITE DAILY DURING PROJECT ACTIVITY TO ENSURE THAT AGREEMENT CONDITIONS ARE BEING MET AND MINIMIZE IMPACTS TO FISH AND WILDLIFE HABITAT. THE BIOLOGIST SHALL BE AUTHORIZED TO STOP CONSTRUCTION IF NECESSARY TO PROTECT FISH AND WILDLIFE RESOURCES. IF ANY PROTECTED SPECIES ARE FOUND THE BIOLOGIST SHALL INFORM DFG. IF THERE IS A THREAT OF HARM TO ANY PROTECTED SPECIES OR OTHER AQUATIC WILDLIFE THE BIOLOGIST SHALL HALT CONSTRUCTION AND NOTIFY DFG. CONSULTATION WITH DFG IS REQUIRED BEFORE RE-COMMENCING WORK.	Sheet 10 – 8
CDFG 1600	1600-2.9	DELINEATE WORK AREA. WORK AREA BOUNDARIES SHALL BE DELINEATED BY FLAGGING, ERECTING TEMPORARY FENCING, OR OTHERWISE CLEARLY MARKING TO MINIMIZE SURFACE AND VEGETATION DISTURBANCE. ALL TEMPORARY FENCING AND FLAGGING SHALL BE REMOVED AT THE CONCLUSION OF PROJECT ACTIVITIES.	Sheet 9 – 2
CDFG 1600	1600-2.10	VEGETATION REMOVAL. DISTURBANCE OR REMOVAL OF VEGETATION SHALL BE KEPT TO THE MINIMUM NECESSARY TO COMPLETE PROJECT RELATED ACTIVITIES. EXCEPT FOR TREES MARKED FOR REMOVAL ON PLANS SUBMITTED TO AND APPROVED BY DFG, NO NATIVE TREES WITH A TRUNK DIAMETER AT BREAST HEIGHT (DBH) IN EXCESS OF FOUR (4) INCHES SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR CONSULTATION AND APPROVAL OF A DFG REPRESENTATIVE. VEGETATION MARKED FOR PROTECTION MAY ONLY BE TRIMMED WITH HAND TOOLS TO THE EXTENT NECESSARY TO GAIN ACCESS TO THE WORK SITES.	Sheet 9 – 2, Sheet 10 – 1
CDFG 1600	1600-2.13	SELECTIVE TRIMMING OF NATIVE SPECIES. A SMALL AMOUNT OF SELECTIVE TRIMMING OF NATIVE SPECIES (E.G., WILLOW, OAK AND SYCAMORE) MAY OCCUR TO PREVENT OVERSPRAY OF HERBICIDE FROM REACHING THESE BRANCHES, BUT ONLY AS PROVIDED WITHIN THE CONDITIONS OF THIS AGREEMENT. NATIVE VEGETATION MAY ONLY BE TRIMMED; INDIVIDUAL PLANTS SHALL NOT BE REMOVED, MATERIAL IN EXCESS OF THREE (3) INCHES IN DIAMETER SHALL REQUIRE SPECIFIC NOTICE TO AND CONSULTATION WITH DFG, IF TRIMMING IS NECESSARY, A QUALIFIED BIOLOGICAL MONITOR SHALL BE PRESENT AND/OR SHALL EXAMINE THE SITE AND MARK NATIVE VEGETATION THAT IS TO BE TRIMMED WITH FLAGGING TO ENSURE IMPACTS ARE WITHIN THE CONDITIONS OF THIS AGREEMENT	Sheet 10 – 1

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
USFWS BO	BO-CM3	<p>THE CITY WILL STAFF A BIOLOGIST KNOWLEDGEABLE OF VIREO BIOLOGY AND ECOLOGY WHO WILL BE RESPONSIBLE FOR OVERSEEING COMPLIANCE WITH CONSERVATION MEASURES FOR THE VIREO AND ITS DESIGNATED CRITICAL HABITAT. THIS BIOLOGIST WILL BE APPROVED BY THE AGENCIES. THE CITY WILL SUBMIT THE BIOLOGIST’S NAME, ADDRESS, TELEPHONE NUMBER, AND WORK SCHEDULE ON THE PROJECT TO THE AGENCIES AT LEAST 30 DAYS PRIOR TO INITIATING PROJECT IMPACTS. THE BIOLOGIST WILL PERFORM THE FOLLOWING DUTIES:</p> <p>A) BE ON SITE DURING WORK TO ENSURE COMPLIANCE WITH ALL CONSERVATION MEASURES;</p> <p>B) OVERSEE INSTALLATION OF AND INSPECT THE FENCING AND EROSION CONTROL MEASURES WITHIN PROJECT FOOTPRINT A MINIMUM OF ONCE PER WEEK AND DAILY DURING ALL RAIN EVENTS TO ENSURE THAT ANY BREAKS IN THE FENCE OR EROSION CONTROL MEASURES ARE REPAIRED IMMEDIATELY;</p> <p>C) MONITOR THE WORK AREA TO ENSURE THAT WORK ACTIVITIES DO NOT GENERATE EXCESSIVE AMOUNTS OF DUST;</p> <p>D) TRAIN ALL CONTRACTORS AND CONSTRUCTION PERSONNEL ON THE BIOLOGICAL RESOURCES ASSOCIATED WITH THIS PROJECT AND ENSURE THAT TRAINING IS IMPLEMENTED BY CONSTRUCTION PERSONNEL. AT A MINIMUM, TRAINING WILL INCLUDE: 1) THE PURPOSE FOR RESOURCE PROTECTION; 2) A DESCRIPTION OF THE VIREO AND ITS CRITICAL HABITAT; 3) THE CONSERVATION MEASURES GIVEN IN THE BIOLOGICAL OPINION THAT SHOULD BE IMPLEMENTED DURING PROJECT CONSTRUCTION TO AVOID AND/OR MINIMIZE IMPACTS TO THE VIREO AND ITS CRITICAL HABITAT, INCLUDING STRICTLY LIMITING ACTIVITIES, VEHICLES, EQUIPMENT, AND CONSTRUCTION MATERIALS TO THE FENCED PROJECT FOOTPRINT TO AVOID SENSITIVE RESOURCE AREAS IN THE FIELD (I.E., AVOIDED AREAS DELINEATED ON MAPS OR ON THE PROJECT SITE BY FENCING); 4) ENVIRONMENTALLY RESPONSIBLE CONSTRUCTION PRACTICES IN CM-6; 5) THE PROTOCOL TO RESOLVE CONFLICTS THAT MAY ARISE AT ANY TIME DURING THE CONSTRUCTION PROCESS; 6) THE GENERAL PROVISIONS OF THE ACT, THE NEED TO ADHERE TO THE PROVISIONS OF THE ACT, AND THE PENALTIES ASSOCIATED WITH VIOLATING THE ACT;</p> <p>E) HALT WORK, IF NECESSARY, FOR ANY PROJECT ACTIVITIES THAT ARE NOT IN COMPLIANCE WITH THE CONSERVATION MEASURES COMMITTED TO AS PART OF THE PROJECT AND SPECIFIED IN THIS BIOLOGICAL OPINION AND CONDITIONS OF THE CORPS PERMIT. THE BIOLOGIST WILL REPORT ANY NON-COMPLIANCE ISSUES TO THE AGENCIES WITHIN 24 HOURS OF ITS OCCURRENCE AND CONFER WITH THE AGENCIES TO ENSURE THE PROPER IMPLEMENTATION OF SPECIES AND HABITAT PROTECTION MEASURES</p>	Sheet 10 – 8

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
		<p>F) SUBMIT WEEKLY COMPLIANCE REPORTS (INCLUDING PHOTOGRAPHS OF IMPACT AREAS) TO THE AGENCIES TO SHOW THAT AUTHORIZED IMPACTS WERE NOT EXCEEDED AND GENERAL COMPLIANCE WITH ALL CONSERVATION MEASURES. A SEPARATE REPORT WILL BE PREPARED AND SUBMITTED TO THE AGENCIES IMMEDIATELY IF AN IMPACT OCCURS OUTSIDE OF THE APPROVED PROJECT LIMITS;</p> <p>G) SUBMIT A FINAL REPORT TO THE AGENCIES WITHIN 60 DAYS OF PROJECT COMPLETION THAT INCLUDES AS-BUILT CONSTRUCTION DRAWINGS WITH AN OVERLAY OF AREAS THAT WERE IMPACTED OR PRESERVED AND OTHER RELEVANT INFORMATION DOCUMENTING THAT AUTHORIZED IMPACTS WERE NOT EXCEEDED. THIS REPORT WILL DOCUMENT GENERAL COMPLIANCE WITH THE PROJECT AS DESCRIBED IN THIS BIOLOGICAL OPINION AND THE CONSERVATION MEASURES.</p>	
USFWS BO	BO-CM4	<p>CHANNEL DREDGING/EXCAVATION AND OTHER PROJECT CONSTRUCTION WILL OCCUR BETWEEN SEPTEMBER 16 AND MARCH 14 TO AVOID THE VIREO NESTING SEASON. IF CHANNEL DREDGING/EXCAVATION OR OTHER PROJECT CONSTRUCTION IS NECESSARY DURING THE VIREO BREEDING SEASON, CONSTRUCTION NOISE LEVELS AT THE EDGE OF OCCUPIED VIREO NESTS WILL BE KEPT BELOW 60 DECIBEL (DBA) LEQ (MEASURES AS EQUIVALENT SOUND LEVEL) FROM 5 A.M. TO 11 A.M. DURING THE NESTING PERIOD BETWEEN MARCH 15 AND SEPTEMBER 15. FOR THE BALANCE OF THE DAY, DURING THE NESTING PERIOD, THE NOISE LEVELS WILL NOT EXCEED 60 DBA, AVERAGED OVER 1-HOUR PERIOD ON AN A WEIGHTED DBA (I.E., 1 HOUR LEQ/DBA) AT OCCUPIED VIREO NEST LOCATIONS. LARGE CONSTRUCTION EQUIPMENT WILL BE STAGED SO AS NOT TO EXCEED THE NOISE THRESHOLD IDENTIFIED ABOVE.</p>	Sheet 9 – 1

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
USFWS BO	BO-CM5	<p>IF CHANNEL DREDGING/EXCAVATION OR OTHER PROJECT CONSTRUCTION IS NECESSARY DURING THE VIREO BREEDING SEASON, THE APPROVED BIOLOGIST WILL ALSO PERFORM THE FOLLOWING DUTIES:</p> <p>A) PERFORM A MINIMUM OF THREE FOCUSED VIREO SURVEYS ON SEPARATE DAYS TO DETERMINE THE PRESENCE OF VIREO NEST BUILDING ACTIVITIES, EGG INCUBATION ACTIVITIES, OR BROOD REARING ACTIVITIES WITHIN 500 FEET OF PROJECT CONSTRUCTION PROPOSED WITHIN THE VIREO BREEDING SEASON. THE SURVEYS WILL BEGIN A MAXIMUM OF 7 DAYS PRIOR TO PROJECT CONSTRUCTION, AND A SURVEY WILL BE CONDUCTED THE DAY IMMEDIATELY PRIOR TO THE INITIATION OF WORK. ADDITIONAL SURVEYS WILL BE DONE ONCE A WEEK DURING PROJECT CONSTRUCTION IN THE BREEDING SEASON. THESE ADDITIONAL SURVEYS MAY BE SUSPENDED AS APPROVED BY THE AGENCIES. THE CITY WILL NOTIFY THE AGENCIES AT LEAST 7 DAYS PRIOR TO THE INITIATION OF SURVEYS AND WITHIN 24 HOURS OF LOCATING ANY VIREO;</p> <p>B) IF AN ACTIVE VIREO NEST IS FOUND WITHIN 500 FEET OF PROJECT CONSTRUCTION, THE BIOLOGIST WILL INFORM THE PROJECT ENGINEER AND/CONSTRUCTION MANAGER TO POSTPONE PROJECT CONSTRUCTION WITHIN 500 FEET OF THE NEST AND CONTACT THE AGENCIES TO DISCUSS: 1) THE BEST APPROACH TO AVOID/MINIMIZE IMPACTS TO NESTING BIRDS (E.G., SOUND WALLS, NOISE MONITORING); AND 2) A NEST MONITORING PROGRAM ACCEPTABLE TO THE AGENCIES. SUBSEQUENT TO THESE DISCUSSIONS, PROJECT CONSTRUCTION MAY BE INITIATED SUBJECT TO IMPLEMENTATION OF THE AGREED UPON AVOIDANCE/MINIMIZATION APPROACH AND NEST MONITORING PROGRAM. NEST MONITORING WILL OCCUR ACCORDING TO A SCHEDULE APPROVED BY THE AGENCIES. THE BIOLOGIST WILL DETERMINE WHETHER BIRD ACTIVITY IS BEING DISRUPTED. IF THE BIOLOGIST DETERMINES THAT BIRD ACTIVITY IS BEING DISRUPTED, THE CITY WILL STOP CONSTRUCTION WORK AND COORDINATE WITH THE AGENCIES TO REVIEW THE AVOIDANCE/MINIMIZATION APPROACH. UPON AGREEMENT AS TO THE NECESSARY REVISIONS TO THE AVOIDANCE/MINIMIZATION APPROACH, WORK MAY RESUME SUBJECT TO THE REVISIONS AND CONTINUED NEST MONITORING. NEST MONITORING WILL CONTINUE UNTIL FLEDGLINGS HAVE DISPERSED, AS APPROVED BY THE AGENCIES;</p>	Sheet 10 – 1

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
		<p>C) SUBMIT WEEKLY OBSERVATION REPORTS (INCLUDING PHOTOGRAPHS OF IMPACT AREAS) VIA REGULAR MAIL OR EMAIL TO THE AGENCIES DURING PROJECT CONSTRUCTION WITHIN 500 FEET OF AVOIDED CRITICAL HABITAT. THE WEEKLY REPORTS WILL DOCUMENT THAT AUTHORIZED IMPACTS WERE NOT EXCEEDED AND GENERAL COMPLIANCE WITH ALL CONDITIONS. THE REPORTS WILL ALSO OUTLINE THE DURATION OF VIREO MONITORING, THE LOCATION OF CONSTRUCTION ACTIVITIES, THE TYPE OF CONSTRUCTION THAT OCCURRED, AND EQUIPMENT USED. THESE REPORTS WILL SPECIFY NUMBERS, LOCATIONS, AND SEX OF VIREOS (IF PRESENT), OBSERVED VIREO BEHAVIOR (ESPECIALLY IN RELATION TO CONSTRUCTION ACTIVITIES), AND REMEDIAL MEASURES EMPLOYED TO AVOID, MINIMIZE, AND MITIGATE IMPACTS TO VIREOS. RAW FIELD NOTES SHOULD BE AVAILABLE UPON REQUEST BY THE AGENCIES; AND</p> <p>D) SUBMIT A FINAL REPORT TO THE AGENCIES WITHIN 120 DAYS OF PROJECT COMPLETION THAT INCLUDES: 1) AS-BUILT CONSTRUCTION DRAWINGS WITH AN OVERLAY OF HABITAT THAT WAS IMPACTED AND AVOIDED; 2) PHOTOGRAPHS OF HABITAT AREAS THAT WERE AVOIDED; AND 3) OTHER RELEVANT SUMMARY INFORMATION DOCUMENTING THAT AUTHORIZED IMPACTS WERE NOT EXCEEDED AND THAT GENERAL COMPLIANCE WITH ALL CONDITIONS OF THIS BIOLOGICAL OPINION WAS ACHIEVED.</p>	

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USFWS BO	BO-ATT	<p>THE PROJECT INCLUDES THE FOLLOWING CONSERVATION MEASURES THAT THE CITY HAS COMMITTED TO IMPLEMENT TO AVOID AND MINIMIZE POTENTIAL ADVERSE EFFECTS TO THE CLAPPER RAIL. IMPLEMENTATION OF THESE MEASURES WILL REDUCE IMPACTS TO CLAPPER RAIL TO AN INSIGNIFICANT LEVEL IN WHICH NO INCIDENTAL TAKE IS ANTICIPATED AND SUPPORTS THE SERVICE’S “NOT LIKELY TO ADVERSELY AFFECT” DETERMINATION IN ACCORDANCE WITH THE SECTION 7 CONSULTATION FOR THE PROPOSED ACTION.</p> <ol style="list-style-type: none"> 1. CHANNEL DREDGING/EXCAVATION AND OTHER PROJECT CONSTRUCTION WILL OCCUR BETWEEN SEPTEMBER 16 AND MARCH 14 TO AVOID THE CLAPPER RAIL NESTING SEASON. 2. IMMEDIATELY AFTER EACH AREA OF THE PROJECT CONSTRUCTION FOOTPRINT IS SURVEYED BY A BIOLOGIST AS REQUIRED IN CONSERVATION MEASURE 3.B, A 3 TO 5-FOOT TALL EXCLUSIONARY FENCE WITH 2-INCH MESH OPENINGS WILL BE INSTALLED TO INHIBIT ENTRY OF CLAPPER RAILS INTO THE CONSTRUCTION FOOTPRINT AND TO ENSURE THAT IMPACT LIMITS ARE NOT EXCEEDED. 3. THE CITY WILL HIRE A BIOLOGIST KNOWLEDGEABLE OF CLAPPER RAIL BIOLOGY AND ECOLOGY WHO WILL BE RESPONSIBLE FOR OVERSEEING COMPLIANCE WITH CONSERVATION MEASURES FOR THE CLAPPER RAIL. THE BIOLOGIST WILL BE APPROVED BY THE AGENCIES. THE CITY WILL SUBMIT THE BIOLOGIST’S NAME, ADDRESS, TELEPHONE NUMBER, AND WORK SCHEDULE ON THE PROJECT TO THE AGENCIES AT LEAST 30 DAYS PRIOR TO INITIATING PROJECT IMPACTS. THE BIOLOGIST WILL PERFORM THE FOLLOWING DUTIES: <ol style="list-style-type: none"> A) PERFORM A MINIMUM OF THREE FOCUSED PRE-CONSTRUCTION SURVEYS, ON SEPARATE DAYS, TO DETERMINE THE PRESENCE OF CLAPPER RAILS IN THE PROJECT IMPACT FOOTPRINT OUTSIDE THE CLAPPER RAIL BREEDING SEASON. SURVEYS WILL BEGIN A MAXIMUM OF 7 DAYS PRIOR TO PERFORMING PROJECT CONSTRUCTION AND ONE SURVEY WILL BE CONDUCTED THE DAY IMMEDIATELY PRIOR TO PERFORMING PROJECT CONSTRUCTION. THE CITY WILL NOTIFY THE AGENCIES AT LEAST 7 DAYS PRIOR TO PROJECT CONSTRUCTION TO ALLOW THE AGENCIES TO COORDINATE WITH THE BIOLOGIST ON THE SURVEYS, AND WITHIN 24 HOURS OF DETECTING ANY CLAPPER RAILS IN THE PROJECT IMPACT FOOTPRINT; B) BEFORE EACH WORKDAY BEGINS, CHECK TO SEE IF CLAPPER RAILS HAVE ENTERED THE PROJECT IMPACT FOOTPRINT. THE CITY WILL NOTIFY THE AGENCIES WITHIN 24 HOURS OF DETECTING ANY CLAPPER RAILS IN THE PROJECT IMPACT FOOTPRINT; C) IF ANY CLAPPER RAILS ARE FOUND WITHIN THE PROJECT IMPACT FOOTPRINT, THE BIOLOGIST WILL DIRECT CONSTRUCTION PERSONNEL TO BEGIN IN AN AREA AWAY FROM THE CLAPPER RAILS. IN ADDITION, THE BIOLOGIST WILL WALK AHEAD OF CONSTRUCTION EQUIPMENT TO FLUSH BIRDS TOWARDS CHANNEL AREAS TO BE AVOIDED. IT WILL BE THE RESPONSIBILITY OF THE BIOLOGIST TO ENSURE THAT CLAPPER RAILS WILL NOT BE INJURED OR KILLED BY PROJECT CONSTRUCTION. THE BIOLOGIST WILL ALSO RECORD THE NUMBER AND LOCATION OF CLAPPER RAILS DISTURBED BY PROJECT CONSTRUCTION; 	Sheet 9 – 1, Sheet 10 – 1, 7

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Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
		<p>D) BE ON SITE DURING WORK TO ENSURE COMPLIANCE WITH ALL CONSERVATION MEASURES;</p> <p>E) OVERSEE INSTALLATION OF AND INSPECT THE EXCLUSIONARY FENCING REQUIRED BY CM-2 A MINIMUM OF ONCE PER DAY TO HELP ENSURE ANY BREAKS IN THE FENCE ARE REPAIRED IMMEDIATELY;</p> <p>F) MONITOR THE WORK AREA TO ENSURE THAT WORK ACTIVITIES DO NOT GENERATE EXCESSIVE AMOUNTS OF DUST;</p> <p>G) TRAIN ALL CONTRACTORS AND CONSTRUCTION PERSONNEL ON THE BIOLOGICAL RESOURCES ASSOCIATED WITH THIS PROJECT AND ENSURE THAT TRAINING IS IMPLEMENTED BY CONSTRUCTION PERSONNEL. AT A MINIMUM, TRAINING WILL INCLUDE: 1) THE PURPOSE FOR RESOURCE PROTECTION; 2) A DESCRIPTION OF THE CLAPPER RAIL AND ITS HABITAT; 3) THE CONSERVATION MEASURES THAT SHOULD BE IMPLEMENTED DURING PROJECT CONSTRUCTION TO AVOID AND/OR MINIMIZE IMPACTS TO THE CLAPPER RAIL AND ITS HABITAT, INCLUDING STRICTLY LIMITING ACTIVITIES, VEHICLES, EQUIPMENT, AND CONSTRUCTION MATERIALS TO THE FENCED PROJECT FOOTPRINT TO AVOID SENSITIVE RESOURCE AREAS IN THE FIELD (I.E., AVOIDED AREAS DELINEATED ON MAPS OR ON THE PROJECT SITE BY FENCING); 4) ENVIRONMENTALLY RESPONSIBLE CONSTRUCTION PRACTICES IN CONSERVATION MEASURE 4; 5) THE PROTOCOL TO RESOLVE CONFLICTS THAT MAY ARISE AT ANY TIME DURING THE CONSTRUCTION PROCESS; 6) THE GENERAL PROVISIONS OF THE ACT, THE NEED TO ADHERE TO THE PROVISIONS OF THE ACT, AND THE PENALTIES ASSOCIATED WITH VIOLATING THE ACT;</p> <p>H) HALT WORK, IF NECESSARY, FOR ANY PROJECT ACTIVITIES THAT ARE NOT IN COMPLIANCE WITH THE CONSERVATION MEASURES AND CONDITIONS OF THE CORPS PERMIT. THE BIOLOGIST WILL REPORT ANY NON-COMPLIANCE ISSUES TO THE AGENCIES WITHIN 24 HOURS OF ITS OCCURRENCE AND CONFER WITH THE AGENCIES TO ENSURE THE PROPER IMPLEMENTATION OF SPECIES AND HABITAT PROTECTION MEASURES</p> <p>I) SUBMIT WEEKLY COMPLIANCE REPORTS (INCLUDING PHOTOGRAPHS OF IMPACT AREAS) TO THE AGENCIES TO SHOW THAT AUTHORIZED IMPACTS WERE NOT EXCEEDED AND GENERAL COMPLIANCE WITH ALL CONSERVATION MEASURES. A SEPARATE REPORT WILL BE PREPARED AND SUBMITTED TO THE AGENCIES IMMEDIATELY IF AN IMPACT OCCURS OUTSIDE OF THE APPROVED PROJECT LIMITS; AND</p> <p>J) SUBMIT A FINAL REPORT TO THE AGENCIES WITHIN 60 DAYS OF PROJECT COMPLETION THAT INCLUDES: AS-BUILT CONSTRUCTION DRAWINGS WITH AN OVERLAY OF AREAS THAT WERE IMPACTED OR PRESERVED AND OTHER RELEVANT INFORMATION DOCUMENTING THAT AUTHORIZED IMPACTS WERE NOT EXCEEDED AND THAT GENERAL COMPLIANCE WITH THE PROJECT AS DESCRIBED IN THIS BIOLOGICAL OPINION, INCLUDING THE CONSERVATION MEASURES, WAS ACHIEVED.</p>	

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
HISTORICAL RESOURCE PROTECTION			
MMP	HIST-1	FLAG, CAP OR FENCE ALL HISTORICAL RESOURCE AREAS PRIOR TO INITIATION OF MAINTENANCE ACTIVITIES.	Sheet 10 – 10
MMP	HIST-2	CONDUCT A PRE-MAINTENANCE MEETING ON-SITE PRIOR TO ANY ACTIVITY THAT MAY OCCUR WITHIN OR ADJACENT TO SENSITIVE HISTORICAL RESOURCES. THE QUALIFIED ARCHAEOLOGIST SHALL POINT OUT SENSITIVE HISTORICAL RESOURCES TO BE AVOIDED DURING MAINTENANCE, IDENTIFY ANY SPECIFIC MEASURES WHICH SHOULD BE IMPLEMENTED TO MINIMIZE IMPACTS, AND DIRECT CREWS OR OTHER PERSONNEL TO PROTECT SENSITIVE HISTORICAL RESOURCES AS NECESSARY.	Sheet 10 – 2
PEIR	HIST-4.4.3	PRIOR TO INITIATING ANY MAINTENANCE ACTIVITY WHERE THE IHA IDENTIFIES A MODERATE TO HIGH POTENTIAL FOR THE OCCURRENCE OF SIGNIFICANT HISTORICAL RESOURCES WITHIN THE AREA OF POTENTIAL EFFECTS (APE), THE FOLLOWING ACTIONS SHALL BE TAKEN:	Sheet 10 – 11

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	HIST-4.4.3.2	<p>PRIOR TO START OF MAINTENANCE</p> <p>A. VERIFICATION OF RECORDS SEARCH</p> <ol style="list-style-type: none"> 1. THE PRINCIPAL INVESTIGATOR (PI) SHALL PROVIDE VERIFICATION TO MITIGATION MONITORING COORDINATOR (MMC) THAT A SITE SPECIFIC RECORDS SEARCH (1/4 MILE RADIUS) HAS BEEN COMPLETED. VERIFICATION INCLUDES, BUT IS NOT LIMITED TO A COPY OF A CONFIRMATION LETTER FROM SOUTH COASTAL INFORMATION CENTER, OR, IF THE SEARCH WAS IN-HOUSE, A LETTER OF VERIFICATION FROM THE PI STATING THAT THE SEARCH WAS COMPLETED. 2. THE LETTER SHALL INTRODUCE ANY PERTINENT INFORMATION CONCERNING EXPECTATIONS AND PROBABILITIES OF DISCOVERY DURING TRENCHING AND/OR GRADING ACTIVITIES. 3. THE PI MAY SUBMIT A DETAILED LETTER TO MMC REQUESTING A REDUCTION TO THE ¼ MILE RADIUS. <p>B. PI SHALL ATTEND PRE-MAINTENANCE MEETINGS</p> <ol style="list-style-type: none"> 1. PRIOR TO BEGINNING ANY WORK THAT REQUIRES MONITORING; THE APPLICANT SHALL ARRANGE A PRE-MAINTENANCE MEETING THAT SHALL INCLUDE THE PI, NATIVE AMERICAN CONSULTANT/MONITOR (WHERE NATIVE AMERICAN RESOURCES MAY BE IMPACTED), MAINTENANCE MANAGER (MM) AND/OR GRADING CONTRACTOR, RESIDENT ENGINEER (RE), BUILDING INSPECTOR (BI), IF APPROPRIATE, AND MMC. THE QUALIFIED ARCHAEOLOGIST AND NATIVE AMERICAN MONITOR SHALL ATTEND ANY GRADING/EXCAVATION RELATED PREMAINTENANCE MEETINGS TO MAKE COMMENTS AND/OR SUGGESTIONS CONCERNING THE ARCHAEOLOGICAL MONITORING PROGRAM WITH THE MAINTENANCE MANAGER AND/OR GRADING CONTRACTOR. A. IF THE PI IS UNABLE TO ATTEND THE PRE-MAINTENANCE MEETING, THE APPLICANT SHALL SCHEDULE A FOCUSED PRE-MAINTENANCE MEETING WITH MMC, THE PI, RE, MM OR BI, IF APPROPRIATE, PRIOR TO THE START OF ANY WORK THAT REQUIRES MONITORING. 2. ACKNOWLEDGEMENT OF RESPONSIBILITY FOR CURATION (CIP OR OTHER PUBLIC PROJECTS) THE APPLICANT SHALL SUBMIT A LETTER TO MMC ACKNOWLEDGING THEIR RESPONSIBILITY FOR THE COST OF CURATION ASSOCIATED WITH ALL PHASES OF THE ARCHAEOLOGICAL MONITORING PROGRAM. 	Sheet 10 – 1, 2

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
		<p>3. IDENTIFY AREAS TO BE MONITORED PRIOR TO THE START OF ANY WORK THAT REQUIRES MONITORING, THE PI SHALL SUBMIT AN ARCHAEOLOGICAL MONITORING EXHIBIT (AME) (WITH VERIFICATION THAT THE AME HAS BEEN REVIEWED AND APPROVED BY THE NATIVE AMERICAN CONSULTANT/MONITOR WHEN NATIVE AMERICAN RESOURCES MAY BE IMPACTED) BASED ON THE APPROPRIATE MAINTENANCE DOCUMENTS (REDUCED TO 11X17) TO MMC IDENTIFYING THE AREAS TO BE MONITORED INCLUDING THE DELINEATION OF GRADING/EXCAVATION LIMITS. THE AME SHALL BE BASED ON THE RESULTS OF A SITE SPECIFIC RECORDS SEARCH AS WELL AS INFORMATION REGARDING THE AGE OF EXISTING PIPELINES, LATERALS AND ASSOCIATED APPURTENANCES AND/OR ANY KNOWN SOIL CONDITIONS (NATIVE OR FORMATION). MMC SHALL NOTIFY THE PI THAT THE AME HAS BEEN APPROVED.</p> <p>4. WHEN MONITORING WILL OCCUR A. PRIOR TO THE START OF ANY WORK, THE PI SHALL ALSO SUBMIT A MAINTENANCE SCHEDULE TO MMC THROUGH THE RE INDICATING WHEN AND WHERE MONITORING WILL OCCUR. B. THE PI MAY SUBMIT A DETAILED LETTER TO MMC PRIOR TO THE START OF WORK OR DURING MAINTENANCE REQUESTING A MODIFICATION TO THE MONITORING PROGRAM. THIS REQUEST SHALL BE BASED ON RELEVANT INFORMATION SUCH AS REVIEW OF FINAL MAINTENANCE DOCUMENTS WHICH INDICATE CONDITIONS SUCH AS AGE OF EXISTING PIPE TO BE REPLACED, DEPTH OF EXCAVATION AND/OR SITE GRADED TO BEDROCK, ETC., WHICH MAY REDUCE OR INCREASE THE POTENTIAL FOR RESOURCES TO BE PRESENT.</p> <p>5. APPROVAL OF AME AND MAINTENANCE SCHEDULE AFTER APPROVAL OF THE AME BY MMC, THE PI SHALL SUBMIT TO MMC WRITTEN AUTHORIZATION OF THE AME AND MAINTENANCE SCHEDULE FROM THE MM.</p>	

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	HIST-4.4.3.3	<p>DURING MAINTENANCE</p> <p>A. MONITOR SHALL BE PRESENT DURING GRADING/EXCAVATION/TRENCHING</p> <p>1. THE ARCHAEOLOGICAL MONITOR SHALL BE PRESENT FULL-TIME DURING ALL SOIL DISTURBING AND GRADING/EXCAVATION/TRENCHING ACTIVITIES WHICH COULD RESULT IN IMPACTS TO ARCHAEOLOGICAL RESOURCES AS IDENTIFIED ON THE AME. THE MAINTENANCE MANAGER IS RESPONSIBLE FOR NOTIFYING THE RE, PI, AND MMC OF CHANGES TO ANY MAINTENANCE ACTIVITIES SUCH AS IN THE CASE OF A POTENTIAL SAFETY CONCERN WITHIN THE AREA BEING MONITORED. IN CERTAIN CIRCUMSTANCES OSHA SAFETY REQUIREMENTS MAY NECESSITATE MODIFICATION OF THE AME.</p> <p>2. THE NATIVE AMERICAN CONSULTANT/MONITOR SHALL DETERMINE THE EXTENT OF THEIR PRESENCE DURING SOIL DISTURBING AND GRADING/EXCAVATION/TRENCHING ACTIVITIES BASED ON THE AME AND PROVIDE THAT INFORMATION TO THE PI AND MMC. IF PREHISTORIC RESOURCES ARE ENCOUNTERED DURING THE NATIVE AMERICAN CONSULTANT/MONITOR’S ABSENCE, WORK SHALL STOP AND THE DISCOVERY NOTIFICATION PROCESS DETAILED IN SECTIONS 4.4.3.3.B-C AND 4.4.3.4-A-D (BELOW) SHALL COMMENCE.</p> <p>3. THE PI MAY SUBMIT A DETAILED LETTER TO MMC DURING MAINTENANCE REQUESTING A MODIFICATION TO THE MONITORING PROGRAM WHEN A FIELD CONDITION SUCH AS MODERN DISTURBANCE POST-DATING THE PREVIOUS GRADING/TRENCHING ACTIVITIES, PRESENCE OF FOSSIL FORMATIONS, OR WHEN NATIVE SOILS ARE ENCOUNTERED THAT MAY REDUCE OR INCREASE THE POTENTIAL FOR RESOURCES TO BE PRESENT.</p> <p>4. THE ARCHAEOLOGICAL AND NATIVE AMERICAN CONSULTANT/MONITOR SHALL DOCUMENT FIELD ACTIVITY VIA THE CONSULTANT SITE VISIT RECORD (CSVR). THE CSVR’S SHALL BE FAXED BY THE MM TO THE RE THE FIRST DAY OF MONITORING, THE LAST DAY OF MONITORING, MONTHLY (NOTIFICATION OF MONITORING COMPLETION), AND IN THE CASE OF ANY DISCOVERIES. THE RE SHALL FORWARD COPIES TO MMC.</p> <p>B. DISCOVERY NOTIFICATION PROCESS</p> <p>1. IN THE EVENT OF A DISCOVERY, THE ARCHAEOLOGICAL MONITOR SHALL DIRECT THE CONTRACTOR TO TEMPORARILY DIVERT ALL SOIL DISTURBING ACTIVITIES, INCLUDING BUT NOT LIMITED TO DIGGING, TRENCHING, EXCAVATING OR GRADING ACTIVITIES IN THE AREA OF DISCOVERY AND IN THE AREA REASONABLY SUSPECTED TO OVERLAY ADJACENT RESOURCES AND IMMEDIATELY NOTIFY THE RE OR BI, AS APPROPRIATE.</p> <p>2. THE MONITOR SHALL IMMEDIATELY NOTIFY THE PI (UNLESS MONITOR IS THE PI) OF THE DISCOVERY.</p>	Sheet 10 – 1

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
		<p>3. THE PI SHALL IMMEDIATELY NOTIFY MMC BY PHONE OF THE DISCOVERY, AND SHALL ALSO SUBMIT WRITTEN DOCUMENTATION TO MMC WITHIN 24 HOURS BY FAX OR EMAIL WITH PHOTOS OF THE RESOURCE IN CONTEXT, IF POSSIBLE.</p> <p>4. NO SOIL SHALL BE EXPORTED OFF-SITE UNTIL A DETERMINATION CAN BE MADE REGARDING THE SIGNIFICANCE OF THE RESOURCE SPECIFICALLY IF NATIVE AMERICAN RESOURCES ARE ENCOUNTERED.</p> <p>C. DETERMINATION OF SIGNIFICANCE</p> <p>1. THE PI AND NATIVE AMERICAN CONSULTANT/MONITOR, WHERE NATIVE AMERICAN RESOURCES ARE DISCOVERED SHALL EVALUATE THE SIGNIFICANCE OF THE RESOURCE. IF HUMAN REMAINS ARE INVOLVED, FOLLOW PROTOCOL IN SECTION 4.4.3.4 BELOW.</p> <p>A. THE PI SHALL IMMEDIATELY NOTIFY MMC BY PHONE TO DISCUSS SIGNIFICANCE DETERMINATION AND SHALL ALSO SUBMIT A LETTER TO MMC INDICATING WHETHER ADDITIONAL MITIGATION IS REQUIRED.</p> <p>B. IF THE RESOURCE IS SIGNIFICANT, THE PI SHALL SUBMIT AN ARCHAEOLOGICAL DATA RECOVERY PROGRAM (ADRP) AND OBTAIN WRITTEN APPROVAL OF THE PROGRAM FROM MMC, MM AND RE. ADRP AND ANY MITIGATION MUST BE APPROVED BY MMC, RE AND/OR MM BEFORE GROUND DISTURBING ACTIVITIES IN THE AREA OF DISCOVERY WILL BE ALLOWED TO RESUME. NOTE: IF A UNIQUE ARCHAEOLOGICAL SITE IS ALSO AN HISTORICAL RESOURCE AS DEFINED IN CEQA SECTION 15064.5, THEN THE LIMITS ON THE AMOUNT(S) THAT A PROJECT APPLICANT MAY BE REQUIRED TO PAY TO COVER MITIGATION COSTS AS INDICATED IN CEQA SECTION 21083.2 SHALL NOT APPLY.</p> <p>(1). NOTE: FOR PIPELINE TRENCHING AND OTHER LINEAR PROJECTS IN THE PUBLIC RIGHTOF- WAY, THE PI SHALL IMPLEMENT THE DISCOVERY PROCESS FOR PIPELINE TRENCHING PROJECTS IDENTIFIED BELOW UNDER “D.”</p> <p>C. IF THE RESOURCE IS NOT SIGNIFICANT, THE PI SHALL SUBMIT A LETTER TO MMC INDICATING THAT ARTIFACTS WILL BE COLLECTED, CURATED, AND DOCUMENTED IN THE FINAL MONITORING REPORT. THE LETTER SHALL ALSO INDICATE THAT NO FURTHER WORK IS REQUIRED.</p> <p>(1). NOTE: FOR PIPELINE TRENCHING AND OTHER LINEAR PROJECTS IN THE PUBLIC RIGHTOF- WAY, IF THE DEPOSIT IS LIMITED IN SIZE, BOTH IN LENGTH AND DEPTH; THEINFORMATION VALUE IS LIMITED AND IS NOT ASSOCIATED WITH ANY OTHER RESOURCE; AND THERE ARE NO UNIQUE FEATURES/ARTIFACTS ASSOCIATED WITH THE DEPOSIT, THE DISCOVERY SHOULD BE CONSIDERED NOT SIGNIFICANT.</p> <p>(2). NOTE, FOR PIPELINE TRENCHING AND OTHER LINEAR PROJECTS IN THE PUBLIC RIGHTOF-WAY, IF SIGNIFICANCE CANNOT BE DETERMINED, THE FINAL MONITORING REPORT AND SITE RECORD (DPR FORM 523A/B) SHALL IDENTIFY THE DISCOVERY AS POTENTIALLY SIGNIFICANT.</p>	

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
		<p>D. DISCOVERY PROCESS FOR SIGNIFICANT RESOURCES - PIPELINE TRENCHING AND OTHER LINEAR PROJECTS IN THE PUBLIC RIGHT-OF-WAY</p> <p>THE FOLLOWING PROCEDURE CONSTITUTES ADEQUATE MITIGATION OF A SIGNIFICANT DISCOVERY ENCOUNTERED DURING PIPELINE TRENCHING ACTIVITIES OR FOR OTHER LINEAR PROJECT TYPES WITHIN THE PUBLIC RIGHT-OF-WAY INCLUDING BUT NOT LIMITED TO EXCAVATION FOR JACKING PITS, RECEIVING PITS, LATERALS, AND MANHOLES TO REDUCE IMPACTS TO BELOW A LEVEL OF SIGNIFICANCE:</p> <p>1. PROCEDURES FOR DOCUMENTATION, CURATION AND REPORTING</p> <p>A. ONE HUNDRED PERCENT OF THE ARTIFACTS WITHIN THE TRENCH ALIGNMENT AND WIDTH SHALL BE DOCUMENTED IN-SITU, TO INCLUDE PHOTOGRAPHIC RECORDS, PLAN VIEW OF THE TRENCH AND PROFILES OF SIDE WALLS, RECOVERED, PHOTOGRAPHED AFTER CLEANING AND ANALYZED AND CURATED. THE REMAINDER OF THE DEPOSIT WITHIN THE LIMITS OF EXCAVATION (TRENCH WALLS) SHALL BE LEFT INTACT.</p> <p>B. THE PI SHALL PREPARE A DRAFT MONITORING REPORT AND SUBMIT TO MMC VIA THE RE AS INDICATED IN SECTION 4.4.3.6-A.</p> <p>C. THE PI SHALL BE RESPONSIBLE FOR RECORDING (ON THE APPROPRIATE STATE OF CALIFORNIA DEPARTMENT OF PARK AND RECREATION FORMS-DPR 523 A/B) THE RESOURCE(S) ENCOUNTERED DURING THE ARCHAEOLOGICAL MONITORING PROGRAM IN ACCORDANCE WITH THE CITY’S HISTORICAL RESOURCES GUIDELINES. THE DPR FORMS SHALL BE SUBMITTED TO THE SOUTH COASTAL INFORMATION CENTER FOR EITHER A PRIMARY RECORD OR SDI NUMBER AND INCLUDED IN THE FINAL MONITORING REPORT.</p> <p>D. THE FINAL MONITORING REPORT SHALL INCLUDE A RECOMMENDATION FOR MONITORING OF ANY FUTURE WORK IN THE VICINITY OF THE RESOURCE.</p>	
PEIR	HIST-4.4.3.4	<p>DISCOVERY OF HUMAN REMAINS</p> <p>IF HUMAN REMAINS ARE DISCOVERED, WORK SHALL HALT IN THAT AREA AND NO SOIL SHALL BE EXPORTED OFF-SITE UNTIL A DETERMINATION CAN BE MADE REGARDING THE PROVENANCE OF THE HUMAN REMAINS; AND THE FOLLOWING PROCEDURES AS SET FORTH IN CEQA SECTION 15064.5(E), THE CALIFORNIA PUBLIC RESOURCES CODE (SEC. 5097.98) AND STATE HEALTH AND SAFETY CODE (SEC. 7050.5) SHALL BE UNDERTAKEN: (REFER TO INDIVIDUAL HISTORICAL ASSESSMENT REPORT- PEIR MITIGATION MEASURES)</p>	Sheet 10 – 12

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	HIST-4.4.3.5	<p>NIGHT AND/OR WEEKEND WORK</p> <p>A. IF NIGHT AND/OR WEEKEND WORK IS INCLUDED IN THE CONTRACT</p> <p>1. WHEN NIGHT AND/OR WEEKEND WORK IS INCLUDED IN THE CONTRACT PACKAGE, THE EXTENT AND TIMING SHALL BE PRESENTED AND DISCUSSED AT THE PRE-MAINTENANCE MEETING.</p> <p>2. THE FOLLOWING PROCEDURES SHALL BE FOLLOWED.</p> <p>A. NO DISCOVERIES</p> <p>IN THE EVENT THAT NO DISCOVERIES WERE ENCOUNTERED DURING NIGHT AND/OR WEEKEND WORK, THE PI SHALL RECORD THE INFORMATION ON THE CSV R AND SUBMIT TO MMC VIA FAX BY 8AM OF THE NEXT BUSINESS DAY.</p> <p>B. DISCOVERIES</p> <p>ALL DISCOVERIES SHALL BE PROCESSED AND DOCUMENTED USING THE EXISTING PROCEDURES DETAILED IN SECTIONS 4.4.3.3 - DURING MAINTENANCE, AND 4.4.3.4 –DISCOVERY OF HUMAN REMAINS. DISCOVERY OF HUMAN REMAINS SHALL ALWAYS BE TREATED AS A SIGNIFICANT DISCOVERY.</p> <p>C. POTENTIALLY SIGNIFICANT DISCOVERIES</p> <p>IF THE PI DETERMINES THAT A POTENTIALLY SIGNIFICANT DISCOVERY HAS BEEN MADE, THE PROCEDURES DETAILED UNDER SECTIONS 4.4.3.3 DURING MAINTENANCE AND 4.4.3.4- DISCOVERY OF HUMAN REMAINS SHALL BE FOLLOWED.</p> <p>D. THE PI SHALL IMMEDIATELY CONTACT THE RE AND MMC, OR BY 8AM OF THE NEXT BUSINESS DAY TO REPORT AND DISCUSS THE FINDINGS AS INDICATED IN SECTION 4.4.3.3- B, UNLESS OTHER SPECIFIC ARRANGEMENTS HAVE BEEN MADE.</p> <p>B. IF NIGHT AND/OR WEEKEND WORK BECOMES NECESSARY DURING THE COURSE OF MAINTENANCE</p> <p>1. THE MAINTENANCE MANAGER SHALL NOTIFY THE RE, OR BI, AS APPROPRIATE, A MINIMUM OF 24 HOURS BEFORE THE WORK IS TO BEGIN.</p> <p>2. THE RE, OR BI, AS APPROPRIATE, SHALL NOTIFY MMC IMMEDIATELY.</p> <p>C. ALL OTHER PROCEDURES DESCRIBED ABOVE SHALL APPLY, AS APPROPRIATE.</p>	Sheet 10 – 2
ACOE 404	404-GEN3	<p>IF YOU DISCOVER ANY PREVIOUSLY UNKNOWN HISTORIC OR ARCHEOLOGICAL REMAINS WHILE ACCOMPLISHING THE ACTIVITY AUTHORIZED BY THIS PERMIT, YOU MUST IMMEDIATELY NOTIFY THIS OFFICE OF WHAT YOU HAVE FOUND. WE WILL INITIATE THE FEDERAL AND STATE COORDINATION REQUIRED TO DETERMINE IF THE REMAINS WARRANT A RECOVERY EFFORT OR IF THE SITE IS ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES.</p>	Sheet 10 – 1

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
ACOE 404	404-CULT1	PURSUANT TO 36 C.F.R. SECTION 800.13, IN THE EVENT OF ANY DISCOVERIES DURING CONSTRUCTION OF EITHER HUMAN REMAINS, ARCHEOLOGICAL DEPOSITS, OR ANY OTHER TYPE OF HISTORIC PROPERTY, THE PERMITTEE SHALL NOTIFY THE CORPS' ARCHEOLOGY STAFF WITHIN 24 HOURS (STEVE DIBBLE AT 213-452-3849 OR JOHN KILLEEN AT 213-452-3861). THE PERMITTEE SHALL IMMEDIATELY SUSPEND ALL WORK IN ANY AREA(S) WHERE POTENTIAL CULTURAL RESOURCES ARE DISCOVERED. THE PERMITTEE SHALL NOT RESUME CONSTRUCTION IN THE AREA SURROUNDING THE POTENTIAL CULTURAL RESOURCES UNTIL THE CORPS REGULATORY DIVISION RE-AUTHORIZES PROJECT CONSTRUCTION, PER 36 C.F.R. SECTION 800.13.	Sheet 10 – 12
WASTE MANAGEMENT			
MMP	WM-1	DISPOSE AND TRANSPORT COMPOSTABLE GREEN WASTE MATERIAL TO AN APPROVED COMPOSTING FACILITY, IF AVAILABLE.	Sheet 9 – 17
MMP	WM-2	REUSE EXCAVATED MATERIAL, WHENEVER POSSIBLE, AS FILL MATERIAL, AGGREGATE, SAND REPLENISHMENT OR OTHER RAW MATERIAL USES. RE-USED MATERIAL (AGGREGATES, SOIL, SAND, OR SILT) SHALL BE DOCUMENTED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.	Sheet 9 – 21
MMP	WM-3	SEPARATE WASTE TIRES FROM EXCAVATED MATERIAL AND TRANSPORT THEM TO AN APPROPRIATE DISPOSAL FACILITY. IF MORE THAN NINE TIRES ARE IN A VEHICLE OR WASTE BIN AT ANY ONE TIME, THEY SHALL BE TRANSPORTED UNDER A COMPLETED COMPREHENSIVE TRIP LOG (CTL) TO DOCUMENT THAT THE TIRES WERE TAKEN TO AN APPROPRIATE DISPOSAL FACILITY.	Sheet 9 – 19, 20
MMP	WM-4	LOG AND TRANSPORT ANY HAZARDOUS MATERIALS ENCOUNTERED DURING MAINTENANCE UNDER A HAZARDOUS MATERIALS MANIFEST TO AN APPROVED HAZARDOUS WASTE STORAGE, RECYCLING, TREATMENT OR DISPOSAL FACILITY. PERSONNEL HANDLING HAZARDOUS MATERIALS SHALL HAVE THE APPROPRIATE TRAINING TO HANDLE, STORE, TRANSPORT AND/OR DISPOSE. HAZARDOUS MATERIALS (E.G., MACHINE OIL, MERCURY SWITCHES AND REFRIGERANT GASES) SHALL BE REMOVED FROM APPLIANCES AND DISPOSED IN ACCORDANCE WITH THIS PROTOCOL.	Sheet 9 - 22
CDP-SPECIAL CONDITIONS	CDP-6I	FUELS, LUBRICANTS, AND SOLVENTS SHALL NOT BE ALLOWED TO ENTER THE COASTAL WATERS OR WETLANDS. HAZARDOUS MATERIALS MANAGEMENT EQUIPMENT INCLUDING OIL CONTAINMENT BOOMS AND ABSORBENT PADS SHALL BE AVAILABLE IMMEDIATELY ON-HAND AT THE PROJECT SITE, AND A REGISTERED FIRST-RESPONSE, PROFESSIONAL HAZARDOUS MATERIALS CLEAN-UP/REMEDICATION SERVICE SHALL BE LOCALLY AVAILABLE ON CALL. ANY ACCIDENTAL SPILL SHALL BE IMMEDIATELY, UPON DISCOVERY, CONTAINED AND CLEANED UP CONSISTENT WITH RELEVANT STATE AND/OR FEDERAL REGULATIONS.	Sheet 9 – 22, 31

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
LAND USE POLICY PROTECTION			
PEIR	LU-4.1.3	IF A LISTED SPECIES IS LOCATED WITHIN 500 FEET OF A PROPOSED MAINTENANCE ACTIVITY AND MAINTENANCE WOULD OCCUR DURING THE ASSOCIATED BREEDING SEASON, AN ANALYSIS OF THE NOISE GENERATED BY MAINTENANCE ACTIVITY SHALL BE COMPLETED BY A QUALIFIED ACOUSTICIAN (POSSESSING CURRENT NOISE ENGINEER LICENSE OR REGISTRATION WITH MONITORING NOISE LEVEL EXPERIENCE WITH LISTED ANIMAL SPECIES) AND APPROVED BY THE ADD ENVIRONMENTAL DESIGNEE. THE ANALYSIS SHALL IDENTIFY THE LOCATION OF THE 60DB(A) _{LEQ} NOISE CONTOUR ON THE MAINTENANCE PLAN. THE REPORT SHALL ALSO IDENTIFY MEASURES TO BE UNDERTAKEN DURING MAINTENANCE TO REDUCE NOISE LEVELS.	Sheet 10 – 1
PEIR	LU-4.1.4	BASED ON THE LOCATION OF THE 60 DB(A) LEQ NOISE CONTOUR AND THE RESULTS OF THE PROTOCOL SURVEYS, THE PROJECT BIOLOGIST SHALL DETERMINE IF MAINTENANCE HAS THE POTENTIAL TO IMPACT BREEDING ACTIVITIES OF LISTED SPECIES. IF ONE OR MORE OF THE FOLLOWING SPECIES ARE DETERMINED TO BE SIGNIFICANTLY IMPACTED BY MAINTENANCE, THEN MAINTENANCE (INSIDE AND OUTSIDE THE MHPA) SHALL AVOID THE FOLLOWING BREEDING SEASONS UNLESS IT IS DETERMINED THAT MAINTENANCE IS NEEDED TO PROTECT LIFE OR PROPERTY. <ul style="list-style-type: none"> • COASTAL CALIFORNIA GNATCATCHER (BETWEEN MARCH 1 AND AUGUST 15 INSIDE THE MHPA ONLY; NO RESTRICTIONS OUTSIDE MHPA); • LEAST BELL’S VIREO (BETWEEN MARCH 15 AND SEPTEMBER 15); AND • SOUTHWESTERN WILLOW FLYCATCHER (BETWEEN MAY 1 AND SEPTEMBER 1). 	Sheet 10 – 1

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Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	LU-4.1.5	<p>IF MAINTENANCE IS REQUIRED DURING THE BREEDING SEASON FOR A LISTED BIRD TO PROTECT LIFE OR PROPERTY, THEN THE FOLLOWING CONDITIONS MUST BE MET:</p> <ul style="list-style-type: none"> • AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF MAINTENANCE ACTIVITIES, UNDER THE DIRECTION OF A QUALIFIED ACOUSTICIAN, NOISE ATTENUATION MEASURES (E.G., BERMS, WALLS) SHALL BE IMPLEMENTED TO ENSURE THAT NOISE LEVELS RESULTING FROM MAINTENANCE ACTIVITIES SHALL NOT EXCEED 60 DB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED HABITAT. CONCURRENT WITH THE COMMENCEMENT OF MAINTENANCE ACTIVITIES AND THE MAINTENANCE OF NECESSARY NOISE ATTENUATION FACILITIES, NOISE MONITORING SHALL BE CONDUCTED AT THE EDGE OF THE OCCUPIED HABITAT AREA TO ENSURE THAT NOISE LEVELS DO NOT EXCEED 60 DB(A) HOURLY AVERAGE. IF THE QUALIFIED ACOUSTICIAN OR BIOLOGIST, THEN THE ASSOCIATED MAINTENANCE ACTIVITIES SHALL CEASE UNTIL SUCH TIME THAT ADEQUATE NOISE ATTENUATION IS ACHIEVED OR UNTIL THE END OF THE BREEDING SEASON OF THE SUBJECT SPECIES, AS NOTED ABOVE. • MAINTENANCE NOISE SHALL CONTINUE TO BE MONITORED AT LEAST TWICE WEEKLY ON VARYING DAYS, OR MORE FREQUENTLY DEPENDING ON THE MAINTENANCE ACTIVITY, TO VERIFY THAT NOISE LEVELS AT THE EDGE OF OCCUPIED HABITAT ARE MAINTAINED BELOW 60 DB(A) HOURLY AVERAGE. IF NOT, OTHER MEASURES SHALL BE IMPLEMENTED IN CONSULTATION WITH THE BIOLOGIST AND THE ADD, AS NECESSARY, TO REDUCE NOISE LEVELS TO BELOW 60 DB(A) HOURLY AVERAGE OR TO THE AMBIENT NOISE LEVEL IF IT ALREADY EXCEEDS 60 DB(A) HOURLY AVERAGE. SUCH MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO, LIMITATIONS ON THE PLACEMENT OF MAINTENANCE EQUIPMENT AND THE SIMULTANEOUS USE OF EQUIPMENT. • PRIOR TO THE COMMENCEMENT OF MAINTENANCE ACTIVITIES THAT WOULD DISTURB SENSITIVE RESOURCES DURING THE BREEDING SEASON, THE BIOLOGIST SHALL ENSURE THAT ALL FENCING, STAKING AND FLAGGING IDENTIFIED AS NECESSARY ON THE GROUND HAVE BEEN INSTALLED PROPERLY IN THE AREAS RESTRICTED FROM SUCH ACTIVITIES. • IF NOISE ATTENUATION WALLS OR OTHER DEVICES ARE REQUIRED TO ASSURE PROTECTION TO IDENTIFIED WILDLIFE, THEN THE BIOLOGIST SHALL MAKE SURE SUCH DEVICES HAVE BEEN PROPERLY CONSTRUCTED, LOCATED AND INSTALLED. 	Sheet 10 – 1

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	LU-4.1.6	<p>A PRE-MAINTENANCE MEETING SHALL BE HELD WITH THE MAINTENANCE CONTRACTOR, CITY REPRESENTATIVE AND THE PROJECT BIOLOGIST. THE PROJECT BIOLOGIST SHALL DISCUSS THE SENSITIVE NATURE OF THE ADJACENT HABITAT WITH THE CREW AND SUBCONTRACTOR. PRIOR TO THE PREMAINTENANCE MEETING, THE FOLLOWING SHALL BE COMPLETED:</p> <ul style="list-style-type: none"> • THE STORM WATER DIVISION (SWD) SHALL PROVIDE A LETTER OF VERIFICATION TO THE MITIGATION MONITORING COORDINATION SECTION STATING THAT A QUALIFIED BIOLOGIST, AS DEFINED IN THE CITY OF SAN DIEGO BIOLOGICAL RESOURCES GUIDELINES, HAS BEEN RETAINED TO IMPLEMENT THE PROJECTS MSCP MONITORING PROGRAM. THE LETTER SHALL INCLUDE THE NAMES AND CONTACT INFORMATION OF ALL PERSONS INVOLVED IN THE BIOLOGICAL MONITORING OF THE PROJECT. AT LEAST THIRTY DAYS PRIOR TO THE PRE-MAINTENANCE MEETING, THE QUALIFIED BIOLOGIST SHALL SUBMIT ALL REQUIRED DOCUMENTATION TO MMC, VERIFYING THAT ANY SPECIAL REPORTS, MAPS, PLANS AND TIMELINES, SUCH AS BUT NOT LIMITED TO, REVEGETATION PLANS, PLANT RELOCATION REQUIREMENTS AND TIMING, MSCP REQUIREMENTS, AVIAN OR OTHER WILDLIFE PROTOCOL SURVEYS, IMPACT AVOIDANCE AREAS OR OTHER SUCH INFORMATION HAS BEEN COMPLETED AND UPDATED. • THE LIMITS OF WORK SHALL BE CLEARLY DELINEATED. THE LIMITS OF WORK, AS SHOWN ON THE APPROVED MAINTENANCE PLAN, SHALL BE DEFINED WITH ORANGE MAINTENANCE FENCING AND CHECKED BY THE BIOLOGICAL MONITOR BEFORE INITIATION OF MAINTENANCE. ALL NATIVE PLANTS OR SPECIES OF SPECIAL CONCERN, AS IDENTIFIED IN THE BIOLOGICAL ASSESSMENT, SHALL BE STAKED, FLAGGED AND AVOIDED WITHIN BRUSH MANAGEMENT ZONE 2, IF APPLICABLE. 	Sheet 10 – 2

Master List of Best Management Practices (BMPs), Maintenance Protocols and Mitigation Measures
Tijuana River Pilot Channel and Smuggler’s Gulch Individual Maintenance Plan (IMP)

SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	LU-4.1.7	<p>MAINTENANCE PLANS SHALL BE DESIGNED TO ACCOMPLISH THE FOLLOWING.</p> <ul style="list-style-type: none"> • INVASIVE NON-NATIVE PLANT SPECIES SHALL NOT BE INTRODUCED INTO AREAS ADJACENT TO THE MHPA. LANDSCAPE PLANS SHALL CONTAIN NON-INVASIVE NATIVE SPECIES ADJACENT TO SENSITIVE BIOLOGICAL AREAS, AS SHOWN ON THE APPROVED MAINTENANCE PLAN. • ALL LIGHTING ADJACENT TO, OR WITHIN, THE MHPA SHALL BE SHIELDED, UNIDIRECTIONAL, LOW PRESSURE SODIUM ILLUMINATION (OR SIMILAR) AND DIRECTED AWAY FROM SENSITIVE AREAS USING APPROPRIATE PLACEMENT AND SHIELDS. IF LIGHTING IS REQUIRED FOR NIGHTTIME MAINTENANCE, IT SHALL BE DIRECTED AWAY FROM THE PRESERVE AND THE TOPS OF ADJACENT TREES WITH POTENTIALLY NESTING RAPTORS, USING APPROPRIATE PLACEMENT AND SHIELDING. • ALL MAINTENANCE ACTIVITIES (INCLUDING STAGING AREAS AND/OR STORAGE AREAS) SHALL BE RESTRICTED TO THE DISTURBANCE AREAS SHOWN ON THE APPROVED MAINTENANCE PLAN. THE PROJECT BIOLOGIST SHALL MONITOR MAINTENANCE ACTIVITIES, AS NEEDED, TO ENSURE THAT MAINTENANCE ACTIVITIES DO NOT ENCROACH INTO BIOLOGICALLY SENSITIVE AREAS BEYOND THE LIMITS OF WORK AS SHOWN ON THE APPROVED MAINTENANCE PLAN. • NO TRASH, OIL, PARKING OR OTHER MAINTENANCE-RELATED ACTIVITIES SHALL BE ALLOWED OUTSIDE THE ESTABLISHED MAINTENANCE AREAS INCLUDING STAGING AREAS AND/OR STORAGE AREAS, AS SHOWN ON THE APPROVED MAINTENANCE PLAN. ALL MAINTENANCE RELATED DEBRIS SHALL BE REMOVED OFF-SITE TO AN APPROVED DISPOSAL FACILITY. • ACCESS ROADS THROUGH MHPA-DESIGNATED AREAS SHALL COMPLY WITH THE APPLICABLE POLICIES CONTAINED IN THE “ROADS AND UTILITIES CONSTRUCTION AND MAINTENANCE POLICIES” IDENTIFIED IN SECTION 1.4.2 OF THE CITY’S SUBAREA PLAN. 	All

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
PEIR	LU-4.1.8	<p>PRIOR TO COMMENCING ANY MAINTENANCE IN, OR WITHIN 500 FEET OF ANY AREA DETERMINED TO SUPPORT COASTAL CALIFORNIA GNATCATCHERS, THE ADD ENVIRONMENTAL DESIGNEE SHALL VERIFY THAT THE MHPA BOUNDARIES AND THE FOLLOWING PROJECT REQUIREMENTS REGARDING THE COASTAL CALIFORNIA GNATCATCHER ARE SHOWN ON THE MAINTENANCE PLANS:</p> <p>NO MAINTENANCE ACTIVITIES SHALL OCCUR BETWEEN MARCH 1 AND AUGUST 15, THE BREEDING SEASON OF THE COASTAL CALIFORNIA GNATCATCHER, UNTIL THE FOLLOWING REQUIREMENTS HAVE BEEN MET TO THE SATISFACTION OF THE ADD ENVIRONMENTAL DESIGNEE:</p> <p>A. A QUALIFIED BIOLOGIST (POSSESSING A VALID ENDANGERED SPECIES ACT SECTION 10(A)(1)(A) RECOVERY PERMIT) SHALL SURVEY THOSE HABITAT AREAS WITHIN THE MHPA THAT WOULD BE SUBJECT TO MAINTENANCE NOISE LEVELS EXCEEDING 60 DECIBELS [DB(A)] HOURLY AVERAGE FOR THE PRESENCE OF THE COASTAL CALIFORNIA GNATCATCHER. SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER SHALL BE CONDUCTED PURSUANT TO THE PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE U.S. FISH AND WILDLIFE SERVICE WITHIN THE BREEDINGSEASON PRIOR TO THE COMMENCEMENT OF ANY MAINTENANCE. IF GNATCATCHERS ARE PRESENT, THEN THE FOLLOWING CONDITIONS MUST BE MET:</p> <ol style="list-style-type: none"> 1. BETWEEN MARCH 1 AND AUGUST 15, MAINTENANCE OF OCCUPIED GNATCATCHER HABITAT SHALL BE PERMITTED. AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; AND 2. BETWEEN MARCH 1 AND AUGUST 15, NO MAINTENANCE ACTIVITIES SHALL OCCUR WITHIN ANY PORTION OF THE SITE WHERE MAINTENANCE ACTIVITIES WOULD RESULT IN NOISE LEVELS EXCEEDING 60 DB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED GNATCATCHER HABITAT. AN ANALYSIS SHOWING THAT NOISE GENERATED BY MAINTENANCE ACTIVITIES WOULD NOT EXCEED 60 DB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED HABITAT MUST BE COMPLETED BY A QUALIFIED ACOUSTICIAN (POSSESSING CURRENT NOISE ENGINEER LICENSE OR REGISTRATION WITH MONITORING NOISE LEVEL EXPERIENCE WITH LISTED ANIMAL SPECIES) AND APPROVED BY THE CITY MANAGER AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF MAINTENANCE ACTIVITIES. PRIOR TO THE COMMENCEMENT OF MAINTENANCE ACTIVITIES DURING THE BREEDING SEASON, AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; OR 	Sheet 10 – 1, 2

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SOURCE	BMP ID	DESCRIPTION	PLAN NOTE
		<p>3. AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF MAINTENANCE ACTIVITIES, UNDER THE DIRECTION OF A QUALIFIED ACOUSTICIAN, NOISE ATTENUATION MEASURES (E.G., BERMS, WALLS) SHALL BE IMPLEMENTED TO ENSURE THAT NOISE LEVELS RESULTING FROM MAINTENANCE ACTIVITIES WILL NOT EXCEED 60 DB(A) HOURLY AVERAGE AT THE EDGE OF HABITAT OCCUPIED BY THE COASTAL CALIFORNIA GNATCATCHER. CONCURRENT WITH THE COMMENCEMENT OF MAINTENANCE ACTIVITIES AND THE MAINTENANCE OF NECESSARY NOISE ATTENUATION FACILITIES, NOISE MONITORING* SHALL BE CONDUCTED AT THE EDGE OF THE OCCUPIED HABITAT AREA TO ENSURE THAT NOISE LEVELS DO NOT EXCEED 60 DB(A) HOURLY AVERAGE. IF THE NOISE ATTENUATION TECHNIQUES IMPLEMENTED ARE DETERMINED TO BE INADEQUATE BY THE QUALIFIED ACOUSTICIAN OR BIOLOGIST, THEN THE ASSOCIATED MAINTENANCE ACTIVITIES SHALL CEASE UNTIL SUCH TIME THAT ADEQUATE NOISE ATTENUATION IS ACHIEVED OR UNTIL THE END OF THE BREEDING SEASON (AUGUST 16).</p> <p>* MAINTENANCE NOISE SHALL CONTINUE TO BE MONITORED AT LEAST TWICE WEEKLY ON VARYING DAYS, OR MORE FREQUENTLY DEPENDING ON THE MAINTENANCE ACTIVITY, TO VERIFY THAT NOISE LEVELS AT THE EDGE OF OCCUPIED HABITAT ARE MAINTAINED BELOW 60 DB(A) HOURLY AVERAGE OR TO THE AMBIENT NOISE LEVEL IF IT ALREADY EXCEEDS 60 DB(A) HOURLY AVERAGE. IF NOT, OTHER MEASURES SHALL BE IMPLEMENTED IN CONSULTATION WITH THE BIOLOGIST AND THE ADD ENVIRONMENTAL DESIGNEE, AS NECESSARY, TO REDUCE NOISE LEVELS TO BELOW 60 DB(A) HOURLY AVERAGE OR TO THE AMBIENT NOISE LEVEL IF IT ALREADY EXCEEDS 60 DB(A) HOURLY AVERAGE. SUCH MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO, LIMITATIONS ON THE PLACEMENT OF MAINTENANCE EQUIPMENT AND THE SIMULTANEOUS USE OF EQUIPMENT.</p> <p>B. IF COASTAL CALIFORNIA GNATCATCHERS ARE NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE CITY MANAGER AND APPLICABLE RESOURCE AGENCIES WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN MARCH 1 AND AUGUST 15 AS FOLLOWS:</p> <ol style="list-style-type: none"> 1. IF THIS EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR COASTAL CALIFORNIA GNATCATCHER TO BE PRESENT BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CONDITION A.III SHALL BE ADHERED TO AS SPECIFIED ABOVE. 2. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY. 	