

APPENDIX E
MMRR

MITIGATION MONITORING AND REPORTING RECORD

December 16, 2002

Environmental Coordinator: Mike Brewster

619-688-3347

EA 079000
11-IMP-8
KP 58.6-60.3

Task and Brief Description	Responsible Branch/ Staff	Timing/ Phase	Action taken to comply	Task Completed		Remarks	Environmental Compliance	
				Initial	Date		Initial	Date
DESIGN KICK-OFF	Project Manager	Beginning of 1 phase						
PRE-LOG-IN REVIEW	Design/ Project Engineer	80% Plans						
ENVIRONMENTAL PS&E REVIEW	Env. Generalist & Specialists	PS&E Circulation						
MAINTENANCE PRE-LOG-IN REVIEW	Design Engineer/ Maintenance Supt.	80% Plans						
IN-HOUSE PRE-CONSTRUCTION MEETING	Project Manager	Contract Award						
TRANSFER RESIDENT ENGINEER BOOK	Design Engineer	Preconst Meeting						
PREJOB MEETING WITH CONTRACTOR	RE	Beginning of Const						
ENVIRONMENTAL COMPLIANCE REVIEW	Env. Const.Liason/ RE	Project Duration						
DESIGN FEATURES MEMORANDUM	RE	Postconst						

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BIOLOGY								
Every attempt will be made to construct outside the February 1 to August 31 breeding season of burrowing owls.	Biology/RE							
If construction must occur within the burrowing owl breeding season, the following measures must be taken prior to February 1:	Biology							
If a construction is expected during the breeding season, a qualified biologist must survey within the impact area prior to February 1, exclude any owls present, and excavate all owl burrows and potential owl burrows within the impact zone and an additional 50 m (164 ft) beyond the impact zone to prevent owl nesting on site. The surveys and excavations will be based on methods established by the USFWS and the California Burrowing Owl Consortium (1993). Additional surveys under the supervision of a biologist will be required on a weekly basis until construction begins to assure that new holes are not made or occupied by owls. Artificial burrows will be designed and placed at specified locations within and/or adjacent to the project vicinity.	Biology							
If, despite these efforts, owls are found nesting within the right of way during construction, the nest(s) will be designated as Environmentally Sensitive Areas (ESAs).	Biology							
If ESAs are designated, no construction will occur within a radius of 50 m (164 ft) of owl nests until nesting is complete.	RE							
Graded areas within the project limits must be seeded with an appropriate erosion control mix and any trees and vegetation removed will be replaced at a ratio and number as per the District Landscape Architect.	RE/Landscape							
Any vegetation clearing, including tree removal within the project limits, will be limited to the period from September 1 to January 31.	RE							
Department Environmental Construction Liason and Biology staff will require notification of any changes or additions made to the construction plans or schedules.	RE/Env. Construction Liason							
In areas of particular sensitivity, such as the Date drain, extra precautions shall be taken to exclude invasive species if found in or adjacent to construction areas. These may include the inspection and cleaning of construction equipment or other eradication strategies.	RE / Biology							

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LANDSCAPE								
The project will be constructed to include design features as determined by the District Landscape Architect and as included in a Landscape plan for the project. These design features will include:	RE/Landscape							
<i>Drainage:</i> Provide natural looking drainage structures (detention basins and swales). This may involve utilizing riprap or cobble with minor plantings such as grasses, and a drainage design that creates a meandering effect. Manholes would be painted to match existing desert colors in the area and/or landscaped to minimize visual impacts.	RE/Landscape	60% PS&E						
<i>Sound Walls:</i> Enhance noise walls to blend into the surrounding environment. This could include adding forms, textures (relief), a theme pattern, and colors. The visual effect of the walls would be broken with pilasters set at an acceptable distance on center, usually about 4.6 to 6.1 m (15 to 20 ft).	RE/Landscape	60% PS&E						
<i>Bridge:</i> Provide architectural detailing in the structures consistent with other built forms in the viewshed. This would include painting the bridge, using design elements on the bridge and bridge bents, slope paving detail (artwork), and bridge rail. Provide enhanced freeway appurtenances such as painted or vinyl coated fence. Colors would be similar to the existing desert colors.	RE/Landscape							
<i>Landscape mitigation:</i> Landscape the freeway facility according to a "Gateway" theme with input from the city of El Centro and the public. Included would be signage, colored rock ground cover, trees, shrubs, and planted ground covers. Replace existing landscaping that has been impacted by construction. Invasive species existing within the project area will be removed prior to construction and replaced with non-invasive landscaping elements that will include drought tolerant native species, whenever practicable. Water efficient irrigation, such as flood or bubbler irrigation, would be included as part of this project.	RE/Landscape							
CONSTRUCTION								
<i>Noise:</i> the construction resident engineer will keep residents in the area informed of construction operations. Contractors will be required to comply with Caltrans Standard Specification 7-1.11 (July, 1992) "Sound Control Requirements" and local control and noise level rules, regulations, and ordinances.	RE							

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CONSTRUCTION (continued)								
Night work would be restricted to less noisy activities such as striping and signing. No pile driving or heavy construction activities would occur at night (after 7 pm or before 7 am), on weekends, or on holidays.	RE							
Among other measures that may be implemented to minimize temporary construction noise impacts are: § Locating stationary construction equipment and staging areas away from residential areas when possible § turning off idling equipment § notifying in advance adjacent residents of construction work § installing acoustic barriers around stationary construction noise sources	RE							
<i>Air Quality:</i> The Resident Engineer shall ensure compliance with all requirements of Section 114 of the Clean Air Act, according to guidelines addressed in Sections 10 and 7-1.01F of the California Department of Transportation Standard Specifications, July 1999. Water and/or dust palliative will be applied to control dust generated by traffic and equipment during grading operations.	RE							
<i>Access:</i> A traffic management plan will be developed by the Caltrans District Traffic Manager and implemented by the RE to assure that access to local businesses, farms, and homes will be maintained during the construction period. The existing trumpet type interchange and two-lane overcrossing will be used as a temporary detour during construction of the proposed interchange and four-lane overcrossing. Temporary detours may be constructed on I-8 in the median and removed after construction of the new overcrossing.	District Traffic Manager / RE							
<i>Water Quality:</i> The Resident Engineer will ensure compliance with all requirements of Section 308 of the Federal Water Pollution Control Act. Prior to project construction, the contractor shall submit a Storm Water Pollution Prevention Plan (SWPPP) as required under Special Provisions and subject to RE Approval. Due to the relatively high water table, no disposal of materials within R/W shall occur without consultation with NPDES. If dewatering is necessary for reconnection of the Date Drain, the RE shall ensure that the contractor prepares a dewatering plan to be reviewed and approved by NPDES.	RE / SWPPP Coordinator/ NPDES							

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CONSTRUCTION (continued)								
The RE will require the contractor to use disposal sites and methods consistent with environmental regulations. Location and methods of materials disposal outside State R/W shall be subject to environmental consent.	RE / Constr. Liaison							
DESIGN								
All sidewalks and crosswalks shall be compliant with Americans with Disabilities Act (ADA) requirements.	RE/Design Engineer							
WATER QUALITY								
The project will be designed and constructed in conformance with the National Pollutant Discharge Elimination System (NPDES) and Caltrans Storm Water Quality Handbook requirements. Best Management Practices (BMPs) would also be implemented.	NPDES/RE							
The contractor will comply with Section 7-1.01G "Water Pollution" of Caltrans Standard Specifications and Special Provisions for water pollution. The contractor will also comply with the Caltrans Statewide Storm Water Permit.	RE/ NPDES/ SWPPP Coordinator							
If short-term dewatering should be necessary for reconnection of the Date Drain pipe within project limits, appropriate permits shall be obtained from the Regional Water Quality Control Board, which shall also be consulted for proper dewatering and disposal methods.	RE / NPDES							
Caltrans will utilize the Hazmat response team of the Imperial County Fire Department and/or an on-call contractor to clean up accidental spills. Caltrans Spill Response & Notifications guidelines will also be followed.	RE/ Env Const Liason							
HAZARDOUS WASTE								
The proper procedure for disposal of asbestos concrete pipe (which may be excavated within the project area) will be adhered to and will be included in the project's Special Provisions for construction.	RE							
A Health and Safety Plan must be generated by the Contractor.	RE							
FARMLAND								
Farmland impacts will be mitigated through an agricultural conservation easement program currently under development by Caltrans in cooperation with Imperial County and other government agencies.	Env. Coordinator/ Project Manager							

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NOISE				Initial	Date		Initial	Date
A masonry wall 3.9 m (12.8 ft) in mean height and 680 m (2231 ft) in length will be constructed in the northwest quadrant from sta.# 596 + 80 to 603 + 60 along the existing R/W line.	RE/SWAT							
A masonry wall and berm combination with a total height of 3.7 m (12 ft) and length of 580 m (1903 ft) will be constructed in the northeast quadrant within existing R/W from sta. # 606 + 60 to 612 + 40. The earthen berm will have an estimated volume of 2934 m ³ (103,613 ft ³).	RE/SWAT							

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December 12, 2003 Environmental Coordinator: Mike Brewster EA 079000
11-IMP-8 |
KP 58.4-37.5
858-616-6639

PROJECT PERSONNEL

Initial	Full Name	Title	Phone Number	Assigned to Project	Transferred from	Remarks
				date	date	
	Ross Cather	Project Manager	(619) 688-3633			
	Marvin Canton, Sr.	Project Engineer	(619) 688-2545			
	Shawn Rizzutto	Construction RE	(760) 355-8666			
	Thomas Krenbeh	Construction Liaison	(858) 616-6628			
	Mike Brewster	Env. Coordinator	(858) 616-6639			
	Kim Miller	Biologist	(858) 616-6642			
	Dave Strickland	Landscape Arch.	(619) 688-6426			
	Bruce April	Permits	(858)-616-6613			
	Kevin Hovey	Cultural Studies	(858) 616-6638			
	Yi Pan	NPDES	(619) 688-6763			
	Arvydas Petravicius	Right of Way	(619) 688-6951			
	Diane Vermeulen	Hazardous Waste	(858) 616-6619			
	Jayne Dowda	Noise/ Air Quality	(858) 616-6612			
	Michael Kolbensschlag	SWPPP Coordinator	(858) 467-4080			
	Camille Abou-Fadel	Dist. Traffic Mgr.	(858) 467-4328			
	Mike Fordham	Geotechnical	(619) 688-6716			
	Lima Khanis	Soundwall Action Team (SWAT)	(619) 688-2535			
	Hewell T. Moseby	Maintenance Superintendent	(619) 596-3218			
	Dave Walcott	Dgn./Project Mgr.	(619) 688-3298			