XVIII MITIGATION MONITORING PROGRAM - Project #EA 06-003 (Live Oak Boat Ramp)

Mitigation Measure	Timing	Monitoring Agency
III Air Quality		
1. All active portions of the construction site shall be sufficiently watered to prevent excessive amounts of dust. Watering shall occur at least twice a day with complete coverage, preferably in the late morning and after work is completed for that day.	Ongoing during construction	Public Works Department
2. All clearing grading, earth moving or excavation activities shall cease during periods of winds greater than 20 miles per hour averaged over one hour.	Ongoing during construction	Public Works Department
3. Construction site vehicle speeds shall be limited to 15 miles per hour.	Ongoing during construction	Public Works Department
4. Pennington Road and the access road shall be swept as needed to remove silt that may have accumulated during construction activities.	Ongoing during construction	Public Works Department
IV Biological Resources		-
5. Adequate sedimentation and erosion control devices, such as geotextile silt fences, straw wattles, or other devices capable of filtering sediment and preventing post-construction erosion shall be installed and properly maintained to minimize adverse impacts on waters during and after construction. These devices must be removed upon completion of work in the stream channel and upon stabilization of disturbed upland areas. The sediment collected by these devices must also be removed and placed upland, in a manner that will prevent its later erosion and transport to this waterway. Implementation of storm water construction BMPs and preparation of an erosion control and SWPPP in compliance with the Central Valley Regional Water Quality Control Board (RWQCB) that may include, but not be limited to, a combination of temporary sediment basins, hydro-seeding of unprotected	Ongoing during construction	Public Works Department

Mitigation Measure	Timing	Monitoring Agency
erodible soils, silt fences, straw wattles, jute netting, and erosion control mats.		
6. Work within the wetted channel of the Feather River will be completed during the low water period, between July and August, to avoid peak anadromous fish migration periods. A cofferdam and silt curtain will be used to isolate the construction area from the Feather River during construction. A National Pollutant Discharge Elimination System (NPDES) construction dewatering permit would be required for construction activities in the wetted channel.	During construction	Public Works Department
7. Any impacts to riparian vegetation along the banks of the Feather River shall be revegetated at a 3:1 ratio by the project proponent to re-establish riparian vegetation to preproject levels and mitigate for EFH impacted.	During construction	Public Works Department
8. No temporary fill (e.g., cofferdams) may be placed in waters or wetlands unless specifically authorized by a USACE 404 permit, a RWQCB 401 permit, and a CDFG 1600 streambed alteration agreement. A Division of Water Resources (DWR) Reclamation Board encroachment permit and a California State Lands Commission permit will also be required to implement this project.	Prior to construction	Public Works Department
9. The authorized work shall be performed in a manner that precludes the erosion or slumping of adjacent riparian vegetation.	During construction	Public Works Department
10. All construction equipment will avoid operating within, and be stored outside of the stream channel. Any disturbed areas will be re-vegetated where applicable.	During construction	Public Works Department
11. To ensure successful implementation of BMPs, the contractor will develop a dust suppression plan, a hazardous materials control and spill prevention and response plan, a water quality management plan,	Prior to construction	Public Works Department

Mitigation Measure	Timing	Monitoring Agency
and an erosion control and SWPPP.		
12. Protocol-level cuckoo surveys should be conducted early in the breeding season (early April) to determine if cuckoos nest in or adjacent to construction areas. If cuckoos are determined to be nesting in or adjacent to construction area, then Section 7 consultation with USFWS will be required.	days prior to construction.	Public Works Department
13. Pre-construction surveys for raptors and migratory songbirds shall be conducted prior to initiation of demolition and construction. Timing of the surveys shall be less than 30 days prior to start of activities. Areas along the river, adjacent to the boat ramp in particular, contain sensitive resources and shall be protected from harm during construction via delay of construction in that area, reducing noise levels, protective fencing, and alteration of timing of construction.		Public Works Department
VI Geology and Soils		
14. Disturbed soils shall be covered with geotextiles, mats, plastic covers, or erosion control blankets to stabilize soils and protect soils from erosion by wind or water.	During construction	Public Works Department
15. Fiber rolls shall be placed in the disturbed area as necessary to intercept and remove sediment from any runoff that may occur as a result of the project.	During construction	Public Works Department
VIII Hydrology and Water Quality		
16. The boat launching ramp and parking lot shall be constructed in accordance with the standards set forth in the Layout, Design, and Construction Handbook for Small Craft Boat Launching Facilities published by the State Department of Boating and Waterways.	Prior to construction	Public Works Department
17. No construction shall take place during the rainy season (November 15 – April 15).	During construction	Public Works Department

Mitigation Measure	Timing	Monitoring Agency
18. Exposed soils resulting from construction shall be reseeded prior to the rainy season to reduce the potential for erosion and aid in the filtering or pollutants in stormwater runoff. Native grasses or groundcover should be utilized.	construction	Public Works Department