

## **REAL ESTATE PLAN**

### **FOLSOM DAM MODIFICATIONS PROJECT**

#### **(1) INTRODUCTION**

This report, prepared in accordance with ER 405-1-12, 12-16, Real Estate Plan, presents the Real Estate requirements for Folsom Dam Modifications Project as identified in Section 101. (a) (6) (A) of the Water Resources Development Act of 1999. The Folsom Dam Modifications Project consists of the modifications to the outlets of the existing dam. The design of the modifications will be consistent with The Folsom Dam Modification portion of the Folsom Modification Plan described in the United States Army Corps of Engineers Supplemental Information Report for the American River Watershed Project, California, dated March 1996, as modified by the report entitled "Folsom Dam Modification Report, New Outlets Plan," dated March 1998, prepared by the Sacramento Area Flood Control Agency. This Real Estate Plan is in support of the decision document to which it is an appendix. The specifics of the project involve the modification of eight existing outlet gates and the addition of up to two new outlets. This project is the modification of an existing flood control structure. No new project lands will need to be acquired nor will utility/facility relocations be required in support of this project.

#### **(2) GENERAL DESCRIPTION OF REAL ESTATE REQUIREMENTS**

##### **Features**

In general, construction activities will consist of dredging approximately 30,000 cu. yd. sediment material from behind the dam, which will require disposal, enlarging existing dam outlets and adding two new outlets to the dam. This outlet enlargement activity and the addition of the new gates will generate approximately 15,000 cubic yards of concrete debris with encased rebar which will be disposed of by the construction contractor.

#### **(3) PUBLIC LAW 91-646 RELOCATIONS AND BENEFITS**

There are no Public Law 91-646 relocations or benefits required or provided as a result of the Federal project.

#### **(4) REAL ESTATE (LERRDS) REQUIREMENTS**

The LERRDS for this modification to an existing structure consist of providing a disposal site for dredge material that will be removed from behind the dam to bring the sediment level below the level of the new outlets.

**(5) MINERAL ACTIVITY**

No marketable mineral rights were encountered in the project

**(6) ESTATES**

The non-Federal cost-sharing partner will acquire the necessary interest to provide for a suitable disposal site for spoils resulting from the dredging activity associated with the project or utilize an existing DWR disposal site. The material dredged from behind the dam will need to be dried out prior to final disposal. Sites within the Folsom Lake Bed are being considered for debris deposit to allow for a dry out area. Subsequent to the dry out the Local Sponsor will be required to dispose of the estimated 30,000 cu. yd. of dredgings. For the concrete/rebar debris generated by the dam modification activity the disposal will be handled by the construction contractor and carried as a construction cost. This cost has been estimated at \$50.00/ cu. yd. and included in the construction cost estimate. In thinking through the cost share arrangements, use of tipping fees or acquisition of disposal sites will result in the same share allocation of project costs between the Government and the sponsor.

**(7) FACILITY / UTILITY RELOCATIONS**

This project will have no facility/utility relocations associated with it.

**(8) DISPOSAL SITES**

<u>Site</u>	<u>Haul Miles</u>	<u>Unit Cost</u>	<u>Total Cost<sup>1</sup></u>
Keifer Landfill	16.69	\$14.00/cu. yd.	\$490,000
Harbor Sand & Gravel	22.04	\$20.00/load	\$45,000
DWR – Sac. Yard	25.74		No Charge
DWR – Cache Creek	44.03		No Charge
Don Beeman	45.98		No Charge
Joe Heidrick	49.36		No Charge

Strong consideration will be given to air quality concerns in determining the disposal site.

**(9) HTRW**

The excising of rebar imbedded concrete from an existing dam will not result in the generation of HTRW material. The sediment behind the dam is currently being tested for

mineral and heavy metal content. Although the sediment is indigenous it may have heavy metal contents in excess of current standards and require special disposal arrangements. Testing results will be available in August of 2001.

**(10) MAPS: N/A**

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<sup>1</sup> This cost does not include the haul or transportation cost.