SACRAMENTO-SAN JOAQUIN DELTA ISLANDS & LEVEES, CA
CALFED LEVEE SYSTEM INTEGRITY PROGRAM
REQUEST FOR PROPOSALS
FOR DEVELOPMNT OF POTENTIAL INITIAL PROJECTS

PROJECT SUMMARY INFORMATION SHEET

Submitting Agency:

Reclamation District No.: 684

Project Name:

Levee PL 84-99 Levee Improvement Project

Purpose of Project:

To bring levee up to PL 84-99 Standard for agricultural levees

Location of Project:

Reclamation District No. 684 – Lower Roberts Island, San Joaquin County

Problems Addressed By Project:

Improve factor of safety and levee performance by improving the District's levee to PL 84-99 Standards.

Opportunities:

To Reduce Flood Damages:

Reclamation District No. 684, Lower Roberts Island (RD 684) operates and maintains approximately 16 miles of levee along the San Joaquin River, Turner Cut and Whiskey Slough which protect 10,600 acres of agricultural lands with a population of 280. This proposed levee improvement project would bring the levee up to the PL 84-99 standard (Base Level Protection). The PL 84-99 standard provides a 1 ½ feet of freeboard over the base flood elevation along with established minimum levee slopes to ensure structural stability.

Protect Water Supply/conveyance:

The project will increase the reliability of water supplies by reinforcing and protecting the levees that form the waterways that convey water to the State Water Project and the Central Valley Project together with maintaining water quality and protecting fish and wildlife.

Ecosystem Restoration:

The interior lands of the District provide many habitat values to native species as well as wintering and breeding habitat for migratory waterfowl.

All of the waterways surrounding the District harbor native as well as threatened and endangered species. If fully implemented, the project would protect the island interior as well as maintain the channels for waterborne species.

Project Description:

The project would include undertaking selected subsurface geotechnical investigation along the District's levee system in order to assist in the development of improvement plans. It is anticipated that the geotechnical analysis would focus the District's efforts and help in determining the best configuration and design template for certain reaches of levee.

Project Scope:

The project would involve improving the levee to the PL 84-99 standard (Base Level Protection) by placing fill as recommended in the proposed geotechnical analysis.

Levee Miles to be improved: 16

Project Costs:

PL 84-99 Improvements	$1,162,039 to $2,800,478
Engineering, Design, & Inspection	$ 116,203 to $ 280,047

Willingness & Ability to Cost Share

At this time, RD 684 has limited ability to Cost Share in a Federal Project. This is a critical matter, and needs to be resolved prior to RD 684 committing to cost share. In the past, other Districts have provided land, easements and/or right of ways, while the State of California has picked up the balance of the cost share. In order for the RD 684 to consider cost sharing in this project, other responsible agencies will also need to be identified and commit to cost sharing.

Point of Contact & Agency Affiliation

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Scoping & Screening Information

Project urgency

RD 684 provides flood protection for very valuable farmland and Habitat valued at approximately $42,400,000 There are 10,600 acres within the District and there is a population of 280 (1987 census). The levees also protect natural gas transmission pipelines of statewide importance, several producing gas wells as well as roads, electrical transmission lines, bridges and other critical transportation and public utility infrastructure. The lands within the District provide important habitat values for native species as well as migratory species.

Anticipated changes in magnitude, frequency or duration of flood flows:

Not Applicable.

How does project address flooding, ecosystem, water supply & quality?

See Answers in text above.

Who or what will benefit from the potential project?

See Answers in text above.

What is the likely federal, state & local agency support?

See paragraph above regarding "Willingness & Ability to Cost Share."

Are there obstacles that may delay development and implementation of project?

Available Cost Sharing.

Is your agency ready, willing and able to serve as non-federal sponsor?

See paragraph above regarding "Willingness & Ability to Cost Share."