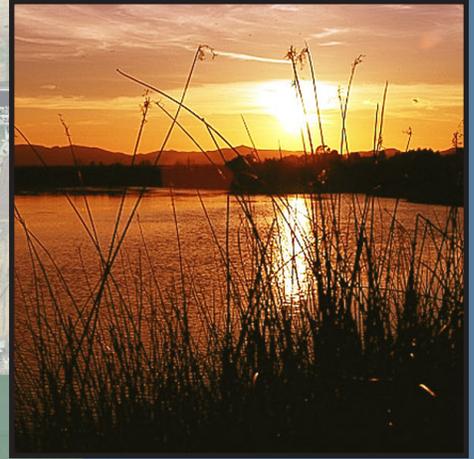


**Contra Costa Water District
Proposition 1E Grant Proposal
Attachment 4**

Budget



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**East Contra Costa County Region
Contra Costa Water District
Stormwater Flood Management Grant Proposal**

**ATTACHMENT 4 –
BUDGET**

<u>Proposal</u>	<u>Page</u>
Contra Costa Canal Levee Elimination and Flood Protection Project Budget.....	4-1

This attachment summarizes the Contra Costa Canal Levee Elimination and Flood Protection Project (Project), Phase 5 budget. Each line item of the budget is described, and assumptions and back-up is provided to justify expected costs and expenditures.

As shown in Table 6, the total estimated project cost is \$20 M. The Project will be funded through the following mechanisms:

- \$10,000,000 in non-State funding (funding match) from CCWD
- \$10,000,000 in requested grant funding
- \$0 in other State funding

The table below presents the budget for the Project. The following pages document the basis for this cost estimate.

Table 6 - Project Budget

**Proposal Title: Contra Costa Water District
Stormwater Flood Management Grant Proposal**

Project Title: Contra Costa Canal Levee Elimination and Flood Protection Project

Budget Category		(a)	(b)	(c)	(d)	(e)
		Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$50,000			\$50,000	100%
(b)	Land Purchase/Easement	\$200,000			\$200,000	100%
(c)	Planning/Design/Engineering/ Environmental Documentation	\$200,000			\$200,000	100%
(d)	Construction/Implementation	\$5,250,000	\$10,000,000		\$15,250,000	34%
(e)	Environmental Compliance/ Mitigation/Enhancement	\$180,000			\$180,000	100%
(f)	Construction Administration	\$300,000			\$300,000	100%
(g)	Other Costs (Including Legal Costs, Permitting and Licenses)	\$20,000			\$20,000	100%
(h)	Construction/Implementation Contingency	\$3,800,000			\$3,800,000	100%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$10,000,000	\$10,000,000	\$0	\$20,000,000	50%

*List sources of funding: CCWD

Row (a) Costs: Task 1 – Project Administration

Administration costs will cover general project administration including coordination with project sponsors/partners and preparation of project invoices. In addition, this budget covers development of the quarterly, annual and final reports required by the Grant Agreement and development of the Labor Compliance Program. Project administration costs have been estimated as \$50,000, excluding construction administration costs (budgeted in line item f).

Row (b) Costs: Task 2 – Land Purchase/Easement

A temporary construction easement is required from adjacent landowners to allow construction contractor access, staging, and dewatering disposal through irrigation of existing farmlands. Costs for securing this easement are estimated as \$200,000 based on the cost of Phase 1 and the Rock Slough Fish Screen Project.

Row (c) Costs: Task 3 – Planning/Design/Environmental Documentation

Project planning is complete, and environmental documentation has been filed. Design is nearing completion, and can be completed in December of 2011. As a result, no planning or environmental compliance funding will be requested for this project. Budget requested in this task includes the final stages of design, estimated as \$200,000.

Row (d) Costs: Task 4 – Construction/Implementation

Construction costs will include mobilization, site clearing, procurement and fabrication of pipe, dewatering setup, Canal isolation, bypass pumping and power, earthwork, marsh creek crossing, pipeline installation, transition structures, importing fill material, final grading, and WAPA relocation. Cost detail is provided in the following table. Construction contracting costs have been included in the line item budget for Construction Administration.

Task	Unit	Quantity	Unit Cost	Total
4.1 Construction Contracting	<i>Budget included in Construction Administration line item.</i>			
4.2 Construction				
4.2.1 Mobilization & Closeout	LS	1	\$80,000	\$80,000
4.2.2 Site Clearing	LS	1	\$100,000	\$100,000
4.2.3 Dewatering	LS	1	\$75,000	\$75,000
4.2.4 Bypass Pumping	LS	1	\$1,750,000	\$1,750,000
4.2.5 Procure and Fabricate Pipe	LF	3,975	\$975	\$3,875,625
4.2.6 Pipeline Installation	LF	3,975	\$1,873	\$7,445,175
4.2.7 Canal Flood Isolation Structure at Rock Slough	LS	1	\$1,100,000	\$1,100,000
4.2.8 Transition Structure	LS	1	\$250,000	\$250,000
4.2.9 Import Fill Material and Grading	CY	25,000	\$10.60	\$265,957

Task	Unit	Quantity	Unit Cost	Total
4.2.10 WAPA Relocation	LS	1	\$150,000	\$150,000
Construction Total (rounded)				\$15,250,000

Row (e) Costs: Task 5 – Environmental Compliance/Mitigation/Enhancement

Environmental compliance and mitigation costs have been estimated as \$180,000. These costs will include fish rescue, pre-construction surveys, biological monitoring, and weekly inspections.

Row (f) Costs: Task 6 – Construction Administration

This task includes all construction administration activities, including advertisement for bids, bidding, contract award, insurance confirmation and tracking, submittal review and tracking, invoice review and payment, schedule maintenance, and contract closeout. In addition, this line item includes costs for Project Administration (refer to Task 1). Budget for this line item has been estimated at 2 percent of the construction cost, or \$300,000.

Row (g) Costs: Task 7 – Other Costs

As part of the Project, CCWD will be required to amend existing permits (2081 Take Permit for Giant Garter Snake and 1600 Streambed Alteration Agreement) with the Department of Fish and Game. These costs have been estimated as \$20,000.

Row (h) Costs: Construction/Implementation Contingency

An approximately 25 percent construction contingency has been added for the Project, for a total of \$4,000,000. Twenty-five percent was identified as a reasonable contingency based on experience with similar projects.

Row (i) Costs: Grand Totals

The total estimated cost of this Project is \$20 M. The Project will be funded through the following mechanisms:

- \$10,000,000 in non-State funding (funding match) from CCWD
- \$10,000,000 in requested grant funding
- \$0 in other State funding

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