



BOARD OF SUPERVISORS
AGENDA LETTER

Agenda Number:

Clerk of the Board of Supervisors
105 E. Anapamu Street, Suite 407
Santa Barbara, CA 93101
(805) 568-2240

Department Name: Flood Control
Department No.: 054
For Agenda Of: 11/04/14
Placement: Administrative
Estimated Tme: N/A
Continued Item: No
If Yes, date from:
Vote Required: Majority

TO: Board of Directors, Flood Control and Water Conservation District

FROM: Department Scott D. McGolpin, Public Works Director, 568-3010
Director(s)
Contact Info: Thomas D. Fayram, Deputy Public Works Director, 568-3436

SUBJECT: Unit 2 Channel Drainage Capacity Improvement Project, 5th Supervisorial District

County Counsel Concurrence

As to form: Yes

Other Concurrence: Yes

As to form: Risk Management

Auditor-Controller Concurrence

As to form Yes

Recommended Actions:

- a) Approve and authorize the Chair to execute Amendment No. 1 to the Agreement with Penfield & Smith (a local vendor) for engineering services for the Unit 2 Channel Drainage Capacity Improvement Project increasing the contract from an amount of \$274,452.00 to a new contract amount of \$315,017.00, an increase of \$40,565.00 and extending the contract period from June 30, 2014 to December 31, 2016; and
- b) Authorize a 10% increase in contingency in the amount of \$4,056.50 for a total amount of contingency of \$31,501.70 with Penfield & Smith (P&S) for additional work that may be needed to complete work for the Project; and
- c) Find that the proposed action is an administrative activity which will not result in direct or indirect physical changes in the environment and is therefore not a project as defined for purposes of the California Environmental Quality Act (CEQA) under State CEQA Guidelines Section 15378(b)(5).

Summary Text:

The Unit 2 Drainage Channel is located along West Main Street in the unincorporated agricultural area west of the City of Santa Maria. The channel ultimately heads north to the Santa Maria River with this reach covering a distance of approximately two miles.

The Unit 2 Channel Drainage Capacity Improvement Project (Project) covers approximately one mile of the downstream-most reach of the Unit 2 Channel adjacent to the Santa Maria River Levee (Levee). In addition, Flood Control maintenance forces will be performing channel grading along the one mile reach immediately upstream of this in order to return the channel to the geometry it had when first constructed. When both elements of this work are completed, the Project will increase the hydraulic capacity of the Unit 2 Channel to provide increased flood protection for the surrounding area.

On December 11, 2012 the Board entered into an agreement with P&S to provide engineering support services for the Unit 2 Channel Drainage Capacity Improvement Project. Tasks included preliminary through 100% civil and structural design, project management, geotechnical support, hydrology and hydrologic analyses, and preparation of U.S. Army Corps of Engineers 408 permit application documents.

At that time, a 10% contingency with P&S was authorized and approved by the Board. That amount will remain available for unanticipated items of work that may be necessary to complete the Project.

This Amendment No. 1 addresses work not incorporated into the original scope of work. New tasks include:

1. preparation of legal descriptions for temporary construction easements (TCE) and fee acquisitions for right-of-way (ROW) needed to accommodate the widened channel,
2. potential modification of ROW,
3. utility design to accommodate adjacent property owner concerns regarding their irrigation well,
4. potential U.S. Army Corps of Engineers supplementary 408 Permit requirements,
5. associated engineering support and project management.

The District recommends increasing the contingency by 10% to be available in the event of unforeseen tasks associated with Amendment No. 1 work.

The original scope and Amendment No. 1 individual, combined, and total costs are as follows:

P&S Scope	Contract	Contingency	Total Costs
Original Scope Engineering Services	\$274,452.00	\$27,445.20	\$301,897.20
Amendment No. 1 to Engineering Services	\$40,565.00	\$4,056.50	\$44,621.50
Combined Costs	\$315,017.00	\$31,501.70	\$346,518.70

Continuing collaboration with adjacent property owners regarding ROW, and potential supplemental 408 Permit requirements attribute to this need for potential additional engineering services.

Because the District had intended to construct this Project in 2014, the original P&S Agreement was set to expire on June 30, 2014. Project options developed and selected during preliminary engineering led to a need for additional CEQA and detailed coordination with the adjacent property owner and tenant of the work proposed along the two-mile reach from West Main Street to the Levee has pushed the schedule back to be performed in the late summer of 2015 for the maintenance work and late summer of 2016 for the capital project. The lapse between the original Agreement expiration and the development of Amendment No. 1 is a result of longer than anticipated, dynamically changing ROW, and construction timing discussions which have the effect of changing the character of the work. Until this time, the contract Amendment No. 1 scope would have been speculative. P&S has performed no work during this expired period of contract time.

Background:

The Unit 2 Channel was constructed in 1972. In 2005, the West Green Canyon storm drain was constructed and tied into the Unit 2 Channel. Together, this system’s watershed is comprised of approximately 14,000 acres.

The Unit 2 Channel is an earthen trapezoidal ditch located in the unincorporated area in Santa Maria west of Blosser Road. The channel trends north for a distance of approximately 2.1 miles, and outfalls at the Santa Maria River. The channel provides stormwater drainage to the Santa Maria River for over 14,000 acres of farmland and urban development. Currently, the hydraulic capacity of the channel is constrained by a sharp, narrow, concrete-lined “S” curve, and by the narrow width of the channel downstream of the “S” curve. During large storm events the channel backwaters at the “S” curve.

This Project proposes to increase the hydraulic capacity of the Unit 2 Channel to provide increased flood protection for the surrounding area. This objective will be achieved by realigning the “S” curve and widening the channel downstream of the curve. Construction is expected to commence in the summer of 2016. In addition, Flood Control maintenance forces will be performing channel grading along the one mile reach immediately upstream of this in order to return the channel to the geometry it had when first constructed. This work is expected to commence in the late summer of 2015.

Fiscal and Facilities Impacts:

Budgeted: Yes

Narrative:

Fiscal Analysis:

<u>Funding Sources</u>	<u>Current FY Cost:</u>	<u>Annualized On-going Cost:</u>	<u>Total One-Time Project Cost</u>
General Fund			
State			
Federal			
Fees			
Santa Maria FZ			\$ 346,518.70
Total	\$ -	\$ -	\$ 346,518.70

This Project has been ongoing for the past several years and costs have been included in the 2014-15 Adopted Budget under the Water Resources Division of the Public Works Department as shown on page D-226 in the budget book. There are no General Fund monies associated with this proposed Project.

The proposed Project is also included in the Capital Improvement Program on page D-141.

Special Instructions:

Direct the Clerk of the Board to send a copy of the minute order to the Flood Control District office,
Attn: Christina Lopez.

Attachments:

Amendment No. 1 (3 originals)
Contract Summary

Authored by: Jonathan Frye, Civil Engineering Manager, 568-3444

Unit 2 Channel Drainage Capacity Improvement Project Location Map

