

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS  
BOARD ACTION SUMMARY

DEPT: Public Works

BOARD AGENDA #: \*C-2

AGENDA DATE: October 31, 2017

**SUBJECT:**

Authorization to Increase Project Contingency Funds for the Hatch Road and Santa Fe Avenue Intersection Widening Phase 3 Project and to Increase Project Budget to \$1,779,467

**BOARD ACTION AS FOLLOWS:**

No. 2017-609

On motion of Supervisor DeMartini, Seconded by Supervisor Monteith  
and approved by the following vote,

Ayes: Supervisors: Olsen, Withrow, Monteith, DeMartini, and Chairman Chiesa

Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None

1)  Approved as recommended

2)  Denied

3)  Approved as amended

4)  Other:

MOTION:

ATTEST:   
ELIZABETH A. KING, Clerk of the Board of Supervisors

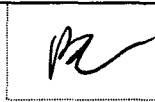
File No.

**THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS  
AGENDA ITEM**

DEPT: Public Works

Urgent

Routine



BOARD AGENDA #: \*C-2

AGENDA DATE: October 31, 2017

CEO CONCURRENCE:

4/5 Vote Required: Yes  No

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**SUBJECT:**

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**STAFF RECOMMENDATIONS:**

1. Authorize the Director of Public Works to increase the project contingency funds from 10% to 20% for the Hatch Road and Santa Fe Avenue Intersection Widening Phase 3 project per Public Contract Code Section 20137(b) and to increase the project budget to \$1,779,467.

**DISCUSSION:**

In January 2004, the Board of Supervisors approved the Public Works Department Traffic Congestion Relief Program. The Traffic Congestion Relief Program provides for the installation of traffic signals, left turn lanes and related improvements on selected roadways throughout the County, including the improvements to Hatch Road at Santa Fe Avenue.

The proposed new traffic signals and additional through and turn lanes will improve traffic safety and enhance the flow of traffic through these intersections. The work includes installation of safety lighting, upgrade of railroad signals, and shoulder widening.

On October 27, 2015, the Board of Supervisors awarded the construction contract to George Reed, Inc. of Modesto, California. Construction on the project began on Monday, July 11, 2016 and was completed on September 5, 2017.

On July 13, 2016, Public Works staff approved Contract Change Order #1 to compensate the Contractor for accelerating their work schedule in order to minimize traffic delays at the Hatch Road and Santa Fe Avenue intersection. The accelerated schedule required the Contractor to work 24 hours a day, Monday through Saturday for 15 calendar days. The work included pulverizing the existing roadway, roadway excavation, installation of signal foundations and conduits, processing of subgrade, placement of aggregate road base, paving bottom lift of asphalt concrete pavement, placing temporary striping, and opening the intersection back up to the original alignment for public use. The cost for Change Order #1 was \$84,271.31 which is approximately 5.81% of the total contract amount. This left 4.19% remaining in the contingency budget to complete the project.

In addition, due to unforeseen and unexpected roadway conditions in the field, additional paving was required to level the existing roadway, repair deteriorated pavement areas, and

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extend the work on the west side of Hatch Road to conform with the recently completed Hatch Road Channelization Phase II project. All this work was needed to provide a smooth transition between the two projects on Hatch Road, approaches to the intersection, the railroad tracks, and the bridge on Santa Fe Avenue. Therefore, it was necessary to utilize construction contingency funds for the additional work and keep the project advancing without delay.

It is typical to experience extra costs when performing asphalt concrete (AC) paving operations. Quantities of AC are difficult to estimate for leveling courses, which ensure smooth finished surfaces, due to the inconsistent grade/slopes and condition of the existing roadway. After completion of all paving, a total of 7,126.41 tons were placed in the field which is 1,700.41 tons (31.33%) over the contract bid quantity of 5,426 tons. The cost for the additional paving was \$158,138.13 which is approximately 10.91% of the total contract amount. The paving totals were not known until the end of the project, which is standard for paving projects.

The following is a summary of the expenditures requiring contingency funds:

DATE APPROVED	DESCRIPTION	COST	% of Contract
7/13/16	Change Order #1: Accelerated Work Schedule	\$ 84,271.31	5.81%
10/6/16	Change Order #2: Remove Failing AC and Build Berm	\$ 4,845.61	0.34%
10/6/16	Change Order #3: Remove Trees and Stumps	\$ 4,191.00	0.29%
10/6/16	Change Order #4: Surface Mounted Channelizers	\$ 5,280.00	0.36%
9/15/17	Change Order #5: Unforeseen Condition – High Ground Water	\$ 10,745.90	0.74%
9/15/17	Change Order #6: Relocate Signal Pole	\$ 1,903.00	0.13%
9/15/17	Change Order #7: Install 5" Galvanized Conduit Under BNSF Tracks	\$ 5,982.90	0.41%
9/15/17	Change Order #8: Repair Conduit Damaged By BNSF Work	\$ 1,076.00	0.08%
	Change Order #9: Additional Hot Mix Asphalt	\$ 75,089.13	5.18%
	Change Order #10 Bid Item Overruns (Grinding / Paving)	\$ 94,668.72	6.53%
		\$ 288,053.57	19.87%

Public Works staff recommends the authorization to increase construction contingency funding for this project so that remaining payments to the contractor for completed work can be made and the project closed out.

**POLICY ISSUE:**

Public Contract Code Section 20137(b) requires any increase of contingency funds exceeding the allowable 10%, be approved by four-fifths vote of the Board.

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**FISCAL IMPACT:**

The costs associated to assure the delivery of this project were originally approved in the amount of \$1,699,467 (\$1,449,515 for the contract; \$100,000 for quality assurance, inspection, materials testing, construction staking and contract administration; \$5,000 for County administrative support services; \$144,952 for contract change orders and contingencies). The additional construction contingency funding being requested is \$144,000, which is a 10% increase (total of 20%) in contingency funds, which will be partially offset by a reduction of construction inspection, quality assurance, and materials testing funding. This will increase the total project cost to \$1,779,467. There remains \$69,259.59 of the original \$100,000 for quality assurance and of that \$64,000 in savings will be used. Funding for the project is available in Fiscal Year 2017-2018 Public Works Road Projects budget.

<b>Cost of recommended action:</b>		\$ 144,000
<b>Source(s) of Funding:</b>		
Project Savings	\$ 64,000	
City/County Public Facilities Fees	80,000	
<b>Funding Total:</b>		<u>144,000</u>
<b>Net Cost to County General Fund</b>		<u>\$ -</u>

<b>Fiscal Year:</b>	2017/2018
<b>Budget Adjustment/Appropriations needed:</b>	No

**BOARD OF SUPERVISORS' PRIORITY:**

The recommended actions are consistent with the Board's priorities of providing A Safe Community, A Well Planned Infrastructure System and A Healthy Community by improving traffic safety on the County road system.

**STAFFING IMPACT:**

Existing Public Works staff will oversee the project.

**CONTACT PERSON:**

Matt Machado, Public Works Director

Telephone: (209) 525-4153

**ATTACHMENT(S):**

None