



County of El Dorado

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Legislation Details (With Text)

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Title: Department of Transportation recommending the Board approve and authorize the Chair to sign Contract Change Orders No. 15 and 15.1 with De Silva Gates - Viking, A Joint Venture in an estimated amount of \$350,000 to perform additional welding on the U.S. 50/Missouri Flat Road Interchange Improvements - Phase 1B Project (JN 71336).

FUNDING: State Transportation Improvement Program regional grant funds; State Highway Operations and Protection Program state operation funds; American Recovery and Reinvestment Act Transportation Enhancement federal grant funds; Transportation, Community, and System Preservation federal grant funds; Congestion Mitigation and Air Quality regional grant funds and Missouri Flat Master Circulation and Funding Plan local funds.

Sponsors:

Indexes:

Code sections:

Attachments: 1. A - CCO 15 Memo.pdf, 2. B - CCO 15.pdf, 3. C - CCO 15.1 Memo.pdf, 4. D - CCO 15.1.pdf, 5. E - Weld Diagram.pdf, 6. F - Force Account Analysis.pdf

Date	Ver.	Action By	Action	Result
10/26/2010	1	Board of Supervisors	Approved	Pass

Department of Transportation recommending the Board approve and authorize the Chair to sign Contract Change Orders No. 15 and 15.1 with De Silva Gates - Viking, A Joint Venture in an estimated amount of \$350,000 to perform additional welding on the U.S. 50/Missouri Flat Road Interchange Improvements - Phase 1B Project (JN 71336).

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BUDGET SUMMARY:		
Total Estimated Cost		\$350,000
Funding		
Budgeted*	\$350,000	
New Funding	\$	
Savings	\$	
Other	\$	
Total Funding Available	\$350,000	
Change To Net County Cost		\$0

*Included in Fiscal Year 2010/2011 Budget and the adopted 2010 Capital Improvement Program

Fiscal Impact/Change to Net County Cost:

The estimated cost of these Contract Change Orders (CCOs) is \$350,000. Payment for these proposed CCOs will come from the contingency budget for the U.S. 50/Missouri Flat Road Interchange Improvements - Phase 1B Project (Project). There is no Net County Cost associated with this agenda item.

Background:

On October 21, 2009, the Department of Transportation (Department) opened bids for the Project. The construction estimate for the Project was \$32 million and the low bid submitted by De Silva Gates - Viking, A Joint Venture (DSG-V) was \$23,834,107. On November 9, 2009, the Board awarded construction of the Project to DSG-V. As a part of the award, the Board also authorized a contingency budget of \$2,400,000. The Project is currently expected to be completed in summer 2012.

Reason for Recommendation:

During construction, errors have been discovered on the contract plans, two of which have resulted in the need for these CCOs. The first error is a fillet weld on Weber Creek Bridge (Bridge) shown as being 40 mm (1.57") long. This weld is supposed to be 400 mm (15.75") long. This weld must be performed at 384 locations across the Bridge. The second error is a weld labeled as a fillet weld that should have been labeled as a double bevel weld. This weld must be performed at 192 locations on the existing Bridge, and it involves a significant increase to the amount of preparatory work that must be performed on the existing steel prior to welding.

The Department hired Quincy Engineering, Inc. (Quincy) to prepare the design for the Project. After the errors had been found, the Department consulted with Quincy, who determined that the welds must be installed correctly to ensure the structural integrity of the widened Bridge.

This welding work is on the Project's critical path, which means that if this work is delayed, then the entire Project completion will be delayed, which could result in delay claims and overhead claims. The Department has issued prior approval for CCO No. 15 in the amount of \$146,000 and has written CCO No. 15.1 in the amount of \$204,000, which will bring the total CCO budget to \$350,000. The Department anticipates that this will be adequate funding for the additional welding and associated work. These CCOs are estimates because they will be administered on a force account (time and materials) basis.

It is important to note that if these errors had been corrected prior to bid time, DSG-V (as well as the other bidders) would have likely increased its bid to account for the cost of the work.

Current County policy (per Resolution 106-93) requires the Board approve any time extension greater than ten (10) percent of the original contract duration. The Project's original contract duration is 450 working days. Therefore, if the work involved with CCOs No. 15 and 15.1 results in an extension of contract time greater than 45 working days, the Department will return to the Board for approval of another CCO to extend the contract duration.

Action to be taken following Board approval:

1. The Board Clerk will obtain the Chair's signature on the subject CCOs.
2. The Board Clerk will forward the signed CCOs to the Department for further processing.

Contact:
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