



**City of Placerville
Public Works Department
MEMORANDUM**

DATE: January 7, 2009

TO: City Council

FROM: Randy Pesses, Public Works Director

SUBJECT: RESOLUTION APPROVING CONTRACT CHANGE ORDER NO. 3 FOR THE ASPHALT CONCRETE OVERLAY 2009 – COLD SPRINGS ROAD AND CARSON ROAD PROJECT. (CONTRACT #40911; CIP #41001)

RECOMMENDATION

That the Council adopt a Resolution:

1. Approving Contract Change Order (CCO) No. 3 in the estimated amount of \$34,800 and authorizing the Public Works Director to execute said CCO with Doug Veerkamp General Engineering.

BACKGROUND

The City of Placerville received an appropriation of \$650,000 through the American Recovery and Reinvestment Act of 2009 (ARRA) for rehabilitation of portions of Cold Springs Road and Carson Road. At the October 27, 2009 meeting, City Council awarded a construction contract to the lowest responsive and responsible bid from Doug Veerkamp General Engineering Inc. (Veerkamp) in the amount of \$316,575.00. At the November 10th meeting, City Council approved additional alternates (requested as part of the original bid) in the amount of \$105,996. And at the December 8th meeting, City Council approved Change Order #2 in the amount of \$10,500 bringing the total contract to \$433,071.

DISCUSSION

Following a substantial snow storm on December 13-14, groundwater was observed flowing from a water valve box in Carson Road. Due to the fact that saturated sub grades result in early failure of pavements, Engineering staff requested Veerkamp to install a sub drain system prior to placing the asphalt overlay. The cost to perform the work is estimated to be \$12,500.

In addition to the sub drain work, an existing concrete storm drain pipe along Carson Road was found to be crushed and causing minor erosion at the adjoining property's front yard. Staff recommends having Veerkamp construct a drain inlet at the location of the damage through a change order at an estimated cost of \$2,000.

Finally, during the course of grinding out areas of distressed pavement there were many areas where native soil was exposed. It would not have been appropriate to place the 2 ½ inch asphalt

overlay directly on native soil, for it would certainly result in a short-lived pavement. A well-constructed asphalt pavement road utilizes an aggregate base rock layer to resist traffic loads, or a layer half as thick of asphalt concrete may be used as a base course. In this case it was decided that a deep lift of ¾" asphalt mix three to four inches in thickness would provide adequate structural integrity, and therefore Veerkamp was directed to remove the native soil to this depth to be replaced with asphalt. A contract bid item exists for the ¾" asphalt and grinding of existing pavement, but since the nature of grinding native soil is different a new contract item is needed. Engineering Staff and Veerkamp agreed on a unit price of \$29 per ton to remove native soil. The Engineer's estimate is 700 tons of soil to be removed, resulting in a total estimated cost of \$20,300.

The work to be performed will be completed on a time and materials basis as "Extra Work at Force Account" at an estimated amount of \$34,800. The actual amount will be calculated upon completion of the work.

FISCAL IMPACT

The City Council adopted the Fiscal Year 2009/2010 Capital Improvement Program Budget which appropriated \$660,000 for the Cold Springs Road and Carson Road Overlay Project (CIP #41001).

To date, the following agreements have been encumbered by the project:

Doug Veerkamp General Engineering (Original Agreement)	\$ 316,575
Doug Veerkamp General Engineering (Change Order #1)	105,996
Doug Veerkamp General Engineering (Change Order #2)	10,500
Doug Veerkamp General Engineering (Assistance With Tree Removal)	270
Doug Veerkamp General Engineering (Proposed)	34,800
Cathie Bechtell CAD, Ink	5,000
Mountain Democrat	140
Youngdahl	1,710
Engineering Staff	28,776
Total	<u><u>\$ 503,767</u></u>

As you can see, the \$503,767 in total encumbrances, including the proposed \$34,800 change order No. 3 with Doug Veerkamp General Engineering is well within the \$660,000 project budget.

Tonight, staff respectfully requests the City Council approve Contract Change Order #3 with Doug Veerkamp Engineering and authorize the Public Works Director to execute the same.

Prepared by:

Approved by:

Nathan Stong,
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Randy Pesses,
Public Works Director

Reviewed for Fiscal Impacts by:

Approved for submittal by:

Dave Warren,
Director of Finance

John Driscoll,
City Manager / City Attorney