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DEPARTMENT OF
PUBLIC WORKS

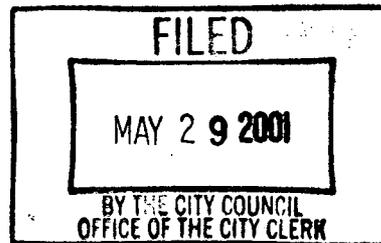
CITY OF SACRAMENTO
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TECHNICAL SERVICES
DIVISION

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May 16, 2001



City Council
Sacramento, California

Honorable Members in Session:

**SUBJECT: POWER INN GRADE SEPARATION PROJECT (PN:TM21) - APPROVAL OF
CHANGE ORDER NO. 14 IN THE AMOUNT OF \$268,678.55**

LOCATION AND COUNCIL DISTRICT:

Power Inn Road; South of Folsom Boulevard, Council District 6

RECOMMENDATION:

This report recommends that the City Council:

- Approve Change Order No. 14 in the amount of \$268,678.55 with FCI Constructors; and
- Reset City Manager change order authority.

CONTACT PERSON: Ken Grehm, Supervising Engineer, 264-7531

FOR COUNCIL MEETING OF: May 29, 2001

SUMMARY:

The construction contract for the Power Inn Grade Separation Project was awarded to FCI Constructors on October 6, 1998 in the amount of \$7,722,305.10. Change Order No. 14 in the amount of \$268,678.55 will compensate the contractor for costs associated with changing the retaining wall system to protect adjacent private property and various other extra work items approved by the Engineer.

Department of
PUBLICWORKS
CITY OF
SACRAMENTO

City Council
Approve Change Order No. 14
Power Inn Grade Separation Project (TM21)
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COMMITTEE/COMMISSION ACTION:

None.

BACKGROUND INFORMATION:

The Power Inn Grade Separation Project is a joint City/Regional Project, which is lowering Power Inn Road underneath the existing light rail and heavy rail tracks south of Folsom Boulevard. The project is the first phase of several projects to improve safety and traffic circulation in the Power Inn Road corridor.

Change orders 1 through 13 totaling \$835,510.89 compensated the contractor for many different items required by differing site conditions or other required changes. Several of the changes resulted in credits to the City for revisions that led to lower costs.

Approval of Change Order No. 14 in the amount of \$268,678.55 will compensate the contractor for the following three items:

1. Constructing an alternative retaining wall system required due to unforeseen site conditions. During construction of the proposed wall system, the Contractor was prevented from installing a proposed sheet pile wall because of unallowable vibrations required to penetrate a cobble rock layer. Vibration testing showed that vibration levels approached levels that could damage an existing adjacent private building. An alternative wall system was designed and installed that protected this building.
2. Providing for pedestrian access around the site during a particular construction phase.
3. Various minor extra work items outlined in the change order.

Cumulatively, change orders 1 through 14 represent a total additional cost of \$1,104,189.44. The following 4 items, each of which was unforeseen, unanticipated or not otherwise included in the original contract, have made up the bulk of the dollar value in change orders:

1. Constructing an alternative retaining wall to protect an adjacent building and gas main from damage. Vibration testing during original installation showed that vibrations were exceeding the limit for structural integrity at an adjacent building. Unforeseen site condition led to an approximate current cost \$550,000.
2. The City agreed during right-of-way negotiations to install a signal, in lieu of payment for private property, to serve two property owners and the Regional Transit Park and Ride Lot. Addition to scope of work led to an additional cost of approximately \$175,000.
3. It was not originally known that project improvements would sever power to regional transit facilities. The project was required to provide new power facilities that would not interrupt electrical service during the project and upon project completion. Unforeseen site condition led to an additional approximate cost of \$135,000.

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4. Vehicles, particularly trucks, had problems negotiating the project detour. Some motorists damaged the detour and their vehicles. Detour was altered to provide additional space for vehicles. Unforeseen issues led to an additional cost of approximately \$60,000.

FINANCIAL CONSIDERATIONS:

The original construction contract award amount was \$7,722,305.10. The current contract amount, after including change orders 1-13 is \$8,557,815.99. As of April 17, 2001, the project had an unencumbered balance of \$441,882.26. No additional funds are required.

ENVIRONMENTAL CONSIDERATIONS:

The environmental impact report was certified by the City Council on April 14, 1998. The Notice of Determination was filed on April 16, 1998 with the County Clerk.

POLICY CONSIDERATIONS:

Award of this contract is consistent with Chapter 3.60 of the Sacramento City Code.

ESBD CONSIDERATIONS:

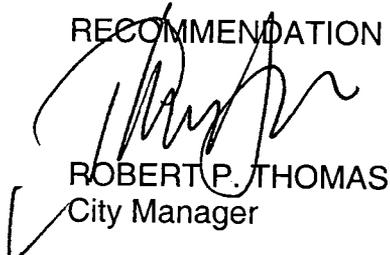
ESBD requirements are not applicable due to this project's award being prior to the ESBD program implementation date.

Respectfully submitted,



Ken Grehm
Supervising Engineer

RECOMMENDATION APPROVED:



ROBERT P. THOMAS
City Manager

Approved:



Michael Kashwagi
Director of Public Works

P/Active/TM21Pigs/Council/Change Order No. 14