

Meeting Date: 6/11/2013

Report Type: Consent

Report ID: 2013-00374

Title: Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) - Approval of Change Order No. 2

Location: Interstate 5, one mile south of Pocket Road/Meadowview Road. Cosumnes River Boulevard from Franklin Boulevard west to Freeport Boulevard (Districts 7 and 8)

Issue: Execution of Construction Contract Change Order No. 2 in the amount of \$402,050 requires City Council approval and is necessary to complete the project.

Recommendation: Pass a Resolution: 1) authorizing the City Manager or his designee to execute Change Order No. 2 to City Agreement No. 2013-0023 with Teichert Construction in an amount not to exceed \$402,050 for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000); 2) ratifying Change Order No. 1 to City Agreement No. 2013-0023 with Teichert Construction; 3) resetting the City Manager's authority to issue change orders for City Agreement No. 2013-0023; and 4) resetting the City Manager's Administrative Authority for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000).

Contact: Nader Kamal, Special Projects Engineer, (916) 808-7035; Nicholas Theocharides, Engineering Services Manager, (916) 808-5065, Department of Public Works

Presenter: None

Department: Public Works Department

Division: Civil & Electrical Design

Dept ID: 15001131

Attachments:

- 1-Description/Analysis
- 2-Background
- 3-Resolution
- 4-Exhibit A - Location Map
- 5-Change Order No. 2 - Teichert

City Attorney Review

Approved as to Form
Gerald Hicks
6/5/2013 10:45:52 AM

City Treasurer Review

Reviewed for Impact on Cash and Debt
Russell Fehr
5/28/2013 3:26:58 PM

Approvals/Acknowledgements

Department Director or Designee: Jerry Way - 6/4/2013 2:26:52 PM

Description/Analysis

Issue: Change Order No. 2 in the amount of \$402,050 with Teichert Construction for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) will compensate the contractor for installing the Freeport Regional Water Authority's (FRWA) backup radio telemetry system. The backup system will provide communications between the FRWA intake structure at the Sacramento River and FRWA's operating offices located in the eastern part of Sacramento County. The construction of the radio telemetry system was planned to be constructed by contract change order in order to avoid extensive project delays associated with the technical reviews and negotiations with FRWA.

Policy Considerations: The proposed City Council action is consistent with the City's General Plan goals of improving the transportation system, enhancing livability, and expanding economic development throughout the city.

Economic Impacts: None.

Environmental Considerations:

California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA): The Project's mitigation and design are consistent with the Project's final approved Environmental Impact Statement/Final Environmental Impact Report (EIS/EIR). The Project's final Environmental Impact Report was approved by City Council on May 15, 2007. The Environmental Impact Statement (EIS) conforming to the National Environmental Policy Act (NEPA) was approved by the Federal Highway Administration (FHWA) on October 5, 2007.

Sustainability Considerations: The project will improve access, provide route continuity, and reduce overall vehicle miles traveled in the south area of Sacramento. The project will construct new sidewalks and bike lanes which will increase the use of alternate modes of commuting. The project will also increase the City's urban forest canopy and create an environment more conducive to pedestrian and bicycle trips, thereby encouraging the use of alternate modes of transportation. All of these considerations and improvements are consistent with City's sustainability goals.

Other: None.

Commission/Committee Action: None.

Rationale for Recommendation: Approval of Change Order No. 2 is necessary for project completion.

Financial Considerations: The Cosumnes River Boulevard/ I-5 Interchange and Extension Project (T15018000) has an approved budget of \$82,645,227, consisting of state, federal, developer contributions and local transportation funds. As of May 23, 2013, the unobligated balance is \$9,550,380, which is sufficient to execute Change Order No. 2 with Teichert Construction in an amount not to exceed \$402,050 and complete the project.

Disadvantaged Business Enterprise (DBE): The Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) has federal construction funding and requires conformance with project participation guidelines for Disadvantaged Business Enterprise (DBE) program requirements. Therefore the City's Emerging and Small Business Development (ESBD) requirements are held in abeyance. The DBE goal is 12.56%. Teichert Construction met the DBE goal by pledging 12.9%.

Background

The Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) extends Cosumnes River Boulevard from its western terminus at Franklin Boulevard to an at-grade intersection with Freeport Boulevard, and includes the construction of a new interchange at I-5 and a new bridge crossing over Morrison Creek and Union Pacific Railroad (UPRR).

It will include 3.5 miles of new roadway consisting of 4 to 6 lanes of traffic, on street bike lanes, 8 foot wide bifurcated sidewalks, street lights, and landscaping.

In addition to reducing traffic congestion along Mack Road, the new road extension will provide access to the Delta Shores development site which consists of 800 acres of retail, commercial, residential and mixed uses. The new extension will also parallel a portion of Regional Transit's new South Line Light Rail and provide direct access to two adjoining light rail transit stations.

The project was advertised and bids were received on November 14, 2012. Teichert Construction was the lowest responsible bidder at \$56,880,722.60.

Change Order No. 1 with Teichert Construction in the amount of \$0 was processed to replace the traffic control hours of lane closures on the freeway to accommodate longer working hours approved by Caltrans.

Change Order No. 2 with Teichert Construction in the amount of \$402,050 will compensate the contractor for the FRWA's backup radio telemetry system that is needed during construction.

On August 27, 2012, the City of Sacramento approved an Easement Use Agreement with Freeport Regional Water Authority (FRWA) that allows the City to build a roadway in a portion of the FRWA Joint Pipeline easement. As part of the road construction, the City has agreed to relocate the fiber optic communications system and provide a backup radio telemetry system equivalent in function to the fiber optic system. The backup radio system will consist of two separate packages of radio equipment, one package will transmit the security communications and one package will transmit the full scope of SCADA (supervisory control and data acquisition) communications.

Final plans and specifications have been prepared for the backup radio telemetry system. In order to comply with the conditions of the Easement Use Agreement with FRWA, the backup radio telemetry system needs to be installed and be functional prior to any excavation activities occurring within

the FRWA Joint Pipeline Easement.

Construction began in March 2013. The interchange at I-5 is scheduled to be open in summer 2014 with the remainder of the project completed by Fall 2015.

RESOLUTION NO.

Adopted by the Sacramento City Council

APPROVING CHANGE ORDER NO. 2 FOR THE COSUMNES RIVER BOULEVARD/ I-5 INTERCHANGE AND EXTENSION PROJECT (T15018000)

Background:

- A. The Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) extends Cosumnes River Boulevard from its western terminus at Franklin Boulevard to an at-grade intersection with Freeport Boulevard, and includes the construction of a new interchange at I-5 and a new bridge crossing over Morrison Creek and Union Pacific Railroad (UPRR).
- B. It will include 3.5 miles of new roadway consisting of 4 to 6 lanes of traffic, on street bike lanes, 8 foot wide bifurcated sidewalks, street lights, and landscaping.
- C. In addition to reducing traffic congestion along Mack Road, the new road extension will provide access to the Delta Shores development site which consists of 800 acres of retail, commercial, residential and mixed uses. The new extension will also parallel a portion of Regional Transit's new South Line Light Rail and provide direct access to two adjoining light rail transit stations.
- D. The project was advertised and bids were received on November 14, 2012. Teichert Construction was the lowest responsible bidder at \$56,880,722.60.
- E. Change Order No. 1 with Teichert Construction in the amount of \$0 was processed to replace the traffic control hours of lane closures on the freeway to accommodate longer working hours approved by Caltrans.
- F. Change Order No. 2 with Teichert Construction in the amount of \$402,050 will compensate the contractor for the FRWA's backup radio telemetry system that is needed during construction.
- G. On August 27, 2012, the City of Sacramento approved an Easement Use Agreement with Freeport Regional Water Authority (FRWA) that allows the City to build a roadway in a portion of the FRWA Joint Pipeline easement. As part of the road construction, the City has

agreed to relocate the fiber optic communications system and provide a backup radio telemetry system equivalent in function to the fiber optic system. The backup radio system will consist of two separate packages of radio equipment, one package will transmit the security communications and one package will transmit the full scope of SCADA (supervisory control and data acquisition) communications.

- H. Final plans and specifications have been prepared for the backup radio telemetry system. In order to comply with the conditions of the Easement Use Agreement with FRWA, the backup radio telemetry system needs to be installed and be functional prior to any excavation activities occurring within the FRWA Joint Pipeline Easement.
- I. Construction began in March 2013. The interchange at I-5 is scheduled to be open in summer 2014 with the remainder of the project completed by Fall 2015.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

- Section 1. The City Manager is authorized to execute Change Order No. 2 to City Agreement No. 2013-0023 with Teichert Construction in an amount not to exceed \$402,050 for the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000).
- Section 2. Change Order No. 1 to City Agreement No. 2013-0023 with Teichert Construction is ratified.
- Section 3. The City Manager's authority to issue change orders for City Agreement No. 2013-0023 is reset.
- Section 4. The City Manager's authority for Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) is reset.

Table of Contents:

- Exhibit A: Map of the Cosumnes River Boulevard/I-5 Interchange and Extension Project (T15018000) – 1 page

EXHIBIT A

Location Map for I-5/COSUMNES RIVER BOULEVARD EXTENSION AND INTERCHANGE PROJECT (PN: T15018000)



City of Sacramento
CHANGE ORDER

Project #: T15018000

Contract #: 2013-0023

Purchase Order #:

Change Order #: 2

Sacramento, California

TO: Teichert Construction, Contractor

CONTRACT FOR: Consumnes River Blvd Extension

Upon Mutual acceptance of this document by the City of Sacramento, hereinafter referred to as "City", and your firm, hereinafter referred to as "Contractor", in accordance with the terms and conditions of the original contract documents, you are hereby directed to make the following changes for the consideration set forth below:

Description:

See Exhibit A

The original contract sum was	\$56,880,722.60
The net change by previous Change Orders was	\$0.00
The contract sum prior to this Change Order was	\$56,880,722.60
The contract sum will be increased by this Change Order	\$402,050.20
The new contract sum including all Change Orders	\$57,282,772.80

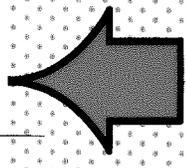
Contractor agrees that the amount of increase or decrease in the contract sum specified in this Change Order shall constitute full compensation for the work required by this Change Order, including but not limited to all compensation for the additional and/or revised work specified herein, and shall fully compensate Contractor for any and all direct and indirect costs that may be incurred by Contractor in connection with such additional and/or revised work, including any changes disruptions or delays in work schedules or in the performance of other work by Contractor. The time for the performance of the contract is increased by 0 Working Days by reason of the performance of the work required by this Change Order. Except as herein above expressly provided, Contractor further agrees that the performance of the work specified in this Change Order or the rescheduling of other project work made necessary by this Change Order, shall not constitute a delay which will extend the timelimit for completion of the work as said term is used in the contract between the City and the Contractor for the project.

Approval Recommended by:

Nader Kamal
Project Manager

Approved by:

City of Sacramento Date



Approved by:

John Castro
Contractor

Attested to by:

City Clerk

Approved as to form:

[Signature]
City Attorney

Exhibit A
Consumnes River Blvd Extension
2013-0023
05/01/13

<i>Description</i>	<i>Amount</i>
Change Order #2	
PCO # 2.0 Client Initiated Changes	\$345,118.00
05/01/13 CN 2 - Compensation to the contractor at Agreed Lump Sum Price for all work related to the construction of a temporary backup radio telemetry system tower for FRWA fiber optics, to allow for continued work on the CRB project. The backup radio telemetry system must be up and operational within 40 working days, starting upon submittal acceptance and carries a \$2,000.00 per day Liquidated Damages penalty for each calendar day until accepted by the City. Delay time impacts (if any as determined by the Engineer) as a result of this change order are still to be determined. Excluded from this change order are any building/construction permits, and any tower height 114' or higher.	
PCO # 3.0 Client Initiated Changes	\$7,972.20
05/01/13 CN 8 - Extend bid item #32 (Remove Fence) 5331 LF @ \$1.20/LF Subtotal: \$6,397.20 Additional mobilization @ \$1,500 EA + 5% subcontractor markup Subtotal: \$1,575.00	
PCO # 4.0 Changes to Bid Documents	\$20,000.00
05/01/13 CN 14 - Compensate the contractor for all the impacts as a result of additional requirements by FRWA agency prior to work commencing within their ROW; per easement agreement between City of Sacramento and FRWA not included in the contract Special Provisions. Contractor must conduct a pre and post construction inspection and report on status of FRWA cathodic facilities. Estimated Adjustment in Compensation at Agreed Upon LS Basis Compensating the sub-contractor for all labor, equipment, materials and incidentals to complete a pre cathodic inspection survey and report of the status of cathodic protection system. Subtotal: \$5,523.00 Estimated Adjustment in Compensation at Force Account. Compensating the contractor for all labor, equipment, materials and incidentals to clear and grub around FRWA cathodic protection as needed to allow access to facilities for pre cathodic inspection survey and reporting by the sub-contractor as directed by the Engineer. Subtotal: \$14,477.00	
PCO # 5.0 Changed/Unforeseen Conditions	\$10,000.00
05/01/13 CN 15 - Estimate of compensation at Force Account to the contractor for hand clearing and grubbing around Bent 3 and 4 as directed by the Engineer on 4/22/13 (THG Letter No. 015).	
PCO # 6.0 Client Initiated Changes	\$10,000.00
05/01/13 CN 16 - Compensating the sub-contractor for all labor, equipment, materials and incidentals to remove additional trees per THG Letter #019, dated April 26th, 2013. 8 trees @ \$650.00 each + 5% sub markup. Subtotal: \$5,460.00 Estimated compensation to the contractor for all labor, equipment, materials and incidentals to assist the subcontractor as needed and as directed by the Engineer on a T&M basis. Subtotal: \$4,540.00	
PCO # 7.0 Client Initiated Changes	\$8,960.00
05/01/13 CN 20 - Extend bid item #5 (Temporary Fence: Type ESA) by 3,200 LF @ \$2.80/LF.	
6 Items	Total for Change Order # 2
	\$402,050.20

6	Items	Total for Contract # 2013-0023	\$402,050.20
<i>Totals By Reason</i>		Changed/Unforeseen Conditions	\$10,000.00
		Changes to Bid Documents	\$20,000.00
		Client Initiated Changes	\$372,050.20