

STAFF REPORT



ITEM NO. 8

CITY OF OCEANSIDE

DATE: November 14, 2007

TO: Honorable Mayor and City Council Members

FROM: Water Utilities Department

SUBJECT: **APPROVAL OF CLOSING CHANGE ORDER 2 AND ACCEPTANCE OF IMPROVEMENTS CONSTRUCTED BY CCL CONTRACTING INCORPORATED OF ESCONDIDO FOR THE BUENA VISTA FORCE MAIN PHASE 2 PROJECT**

SYNOPSIS

Staff and the Utilities Commission recommend that the City Council approve closing Change Order 2 in the amount of \$155,909.28 to the agreement with CCL Contracting Inc. of Escondido, for the Buena Vista Force Main Replacement Phase 2 project for additional work requested by the City, some unanticipated work, and construction credits for reduced quantities of work; authorize the City Engineer to execute the change order; accept the improvements constructed by CCL Contracting, Inc., and authorize the City Clerk to file a Notice of Completion with the San Diego County Recorder.

BACKGROUND

On April 19, 2006, City Council awarded a construction contract for the Buena Vista Force Main Replacement Phase 2 project to CCL Contracting, Inc., of Escondido, in the amount of \$2,992,196.

In order to convey the ultimate average dry weather flow and reduce the existing total dynamic head required with the current piping configuration, the City of Oceanside Master Plan recommended upsizing the existing 18-inch and 14-inch force main and reducing the static head of the system by tunneling portions of the alignment. The existing force main was constructed in 1975 and was approximately 9,800 linear feet of 18-inch and 14-inch ductile iron pipe. Several sections of the force main were repaired in the year 2000 as part of an emergency repair.

Phase 2 consisted of installation of 7,726 linear feet of 24-inch force main via the conventional open-trench method and installation of 250 linear feet of 24-inch force main inside of a 42-inch steel sleeve that was installed by the bore-and-jack method of construction under a reinforced concrete box storm drain structure and the North County Transit District (NCTD) Escondido Branch railroad tracks.

ANALYSIS

Change Order 1 included additional work requested by the City to relocate a 14-inch sewer force main and to provide plug valves and wax tape. The change order also included additional costs from encountering an unforeseen 18-inch vitrified clay sewer pipe and credit for the installation of two traffic loops. Change Order 1 was in the amount of \$56,409.44 and was approved by City Council on August 15, 2007.

Closing Change Order 2 (Exhibit A) included additional work required due to differing subsurface or latent physical conditions. These conditions included a conflict with an unknown underground portion of a drainage structure; extra pothole work on (Kinder-Morgan's) fuel line and rehabilitation of the deteriorated connection manhole in the Oceanside Boulevard and El Camino Real intersection. Additional work was also performed as requested by the City for the concrete slurry encasement to protect existing utilities and shallow air and vacuum valve pipe runs, modifications to the air and vacuum valve system cover, and a retaining wall to protect the air and vacuum valve equipment. There are also credits from the contractor for deleting one project sign, eliminating the construction manager trailer, eliminating multiple hydrostatic test sections, reduction of bid items quantities, and a credit for costs incurred by the City due to a sewer spill caused by the contractor breaking the existing force main. The total for Closing Charge Order 2 is \$155,909.28.

A final inspection has been performed and it was determined that the project was complete per the plans and specifications. To date there have been no claims filed on the project.

FISCAL IMPACT

The Buena Vista Force Main Replacement project budget is \$6,110,000 (726.865472.5702). The Phase 1, constructed cost for Affholder, Inc., was \$2,202,255.16; CCL Contracting, Inc. (Phase 2), bid was \$2,992,196 and Change Order 1 was \$56,409.44; and the Infrastructure Engineering Corporation proposal was \$597,340 for the construction management and inspection services, which bring the combined Buena Vista Force Main Replacement projects Phase 1 and Phase 2 construction costs to \$5,848,200.60. The cost of Change Order 2 is \$155,909.28; therefore adequate funding is available for this item.

COMMISSION OR COMMITTEE REPORT

The Utilities Commission approved staff's recommendations at its regularly scheduled meeting on October 16, 2007.

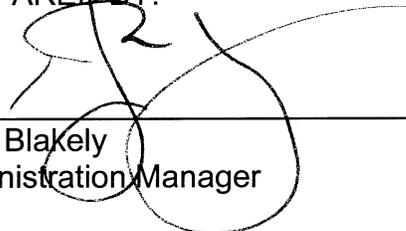
CITY ATTORNEY'S ANALYSIS

The referenced documents have been reviewed by the City Attorney and approved as to form.

RECOMMENDATIONS

Staff and the Utilities Commission recommend that the City Council approve closing Change Order 2 in the amount of \$155,909.28 to the agreement with CCL Contracting Inc. of Escondido, for the Buena Vista Force Main Replacement Phase 2 project for additional work requested by the City, some unanticipated work, and construction credits for reduced quantities of work; authorize the City Engineer to execute the change order; accept the improvements constructed by CCL Contracting, Inc., and authorize the City Clerk to file a Notice of Completion with the San Diego County Recorder.

PREPARED BY:



Greg Blakely
Administration Manager

SUBMITTED BY:



Peter A. Weiss
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Deputy City Manager

Lonnie Thibodeaux, Water Utilities Director

Paul Bussey, Interim Financial Services Director

Exhibit A - Change Order



CITY OF OCEANSIDE
CONTRACT CHANGE ORDER

OCT 04 2007

RECEIVED

DATE: October 2, 2007

PROJECT #: 726-86-5472

PROJECT TITLE: **BUENA VISTA FORCE MAIN REPLACEMENT
PHASE 2**

CHANGE ORDER #: 2

PURCHASE ORDER #: 77256

This change order provides for: (describe work to be done, estimate of quantities and prices to be paid, state reason for change)

1) PCO 2 Credit for eliminating CM office trailer	(\$ 4,020.00)
2) PCO 3 Credit for eliminating multiple hydrostatic testing sites	(\$ 2,500.00)
3) PCO 8 Conflict with drainage structure during jack and bore (47 days)	\$153,111.25
4) PCO 9 Changed condition—additional dewatering (5 days)	\$ 16,866.96
5) PCO 10 Unknown condition with existing force main nozzle end cap (1 day)	\$ 10,297.07
6) PCO 11 Stabilize existing 18-inch gravity sewer main with slurry	\$ 5,205.48
7) PCO 12 Extra pothole work on Kinder-Morgan fuel line (2 days)	\$ 15,210.32
8) PCO 13 Rehabilitation of Existing Manhole No. 6 (4 days)	\$ 21,739.18
9) PCO 14 Slurry encasement of 6-inch air & vacuum valve pipe run (1 day)	\$ 1,505.51
10) PCO 15 Retaining wall for air & vacuum valve at Eternal Hills (4 days)	\$ 6,658.63
11) PCO 16 Increase cover size for air & vacuum valve—previously air vent	\$ 1,821.51
12) PCO 17 NCTD flagging costs during change order work	\$ 1,201.98
13) Credit for City Costs resulting from 1/7/07 existing force main break and sewer spill	(\$ 6,995.28)
14) Credit for reduction of quantities in Bid Schedule Items 9, 10, 13, and 17 (minus 10 days)	(\$ 64,193.33) ✓
Total	\$155,909.28

This Change Order shall include all general contractor's overhead, profit and incidentals, and contractor shall not be entitled to any additional payment regarding this Change Order.

Estimated Cost: **Increase** \$233,617.89 **Decrease** 77,708.61 **No Change** _____

By reason of this order the time of completion will be adjusted as follows: 54 days.

Recommended by: *Gary P. Bodman*
Gary Bodman, Project Manager

Contract Summary:

Initial Contract Amount: \$2,992,196.00

Previous Change Orders: \$56,409.44

This Change Order: \$155,909.28

Total to Date: \$3,204,514.72

Additional Appropriation Required: No

Approved: **CITY OF OCEANSIDE**

BY: _____
Scott O. Smith, City Engineer

Approved: CCL Contracting Inc.
Contractor

BY: *By [Signature]*

Original to: City Clerk
Copies to: Accounts Payable Contractor Inspector File