

STAFF REPORT

DATE: July 17, 2007
TO: Utilities Commission
FROM: Lonnie Thibodeaux, Water Utilities Director
SUBJECT: **RECOMMEND APPROVAL OF CHANGE ORDER 1 IN THE AMOUNT OF \$56,409.44 TO CCL CONTRACTING, INC., OF ESCONDIDO, FOR THE BUENA VISTA FORCE MAIN PHASE 2 PROJECT**

SYNOPSIS

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve Change Order 1 in an amount not to exceed \$56,409.44 to the agreement with CCL Contracting, Inc., of Escondido, for the Buena Vista Force Main Phase 2 project; and authorize the City Engineer to execute the change order.

BACKGROUND

On October 19, 2005, the City Council approved the plans and specifications for the construction of the Buena Vista Force Main Replacement Project Phase 2; and authorized the City Engineer to call for bids.

Phase 2 consists of installing 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 rail road tracks.

ANALYSIS

Closing Change Order 1 (Exhibit A) 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 includes the additional cost from encountering an unforeseen 18-inch VCP sewer and credit for the installation of two traffic loops.

FISCAL IMPACT

In Fiscal Year 2005 - 2006, Council approved an appropriation of \$6,110,000 for the construction of the Buena Vista Force Main Replacement projects. The Affholder, Inc. (Phase 1), bid was \$2,187,425; the CCL Contracting, Inc.(Phase 2), bid was \$2,992,196; and the Infrastructure Engineering Corporation's 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 estimated construction cost to \$5,776,961. The projected expenditures in Fiscal Year 2006-2007 were \$5,174,674. In Fiscal Year 2007-2008 Council approved the carry forward of \$995,993 Sewer Expansion (726.865472) Buena Vista FM. The cost of Change Order 1 is \$56,409.44, therefore adequate funding is available for this item.

COMMISSION OR COMMITTEE REPORT

The Water/Sewer Committee approved staff's recommendations at its regularly scheduled meeting on July 10, 2007.

CITY ATTORNEY'S ANALYSIS

The referenced documents are being reviewed by the City Attorney's office.

RECOMMENDATIONS

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve Change Order 1 in an amount not to exceed \$56,409.44 to the agreement with CCL Contracting, Inc., of Escondido, for the Buena Vista Force Main Phase 2 project; and authorize the City Engineer to execute the change order.

PREPARED BY:

Greg Blakely
Administration Manager

Exhibit A - Change Order

STAFF REPORT

DATE: July 17, 2007

TO: Utilities Commission

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **RECOMMEND APPROVAL OF CLOSING CHANGE ORDER 1 IN THE AMOUNT OF \$114,016.48 AND ACCEPTANCE OF IMPROVEMENTS CONSTRUCTED BY BEADOR CONSTRUCTION COMPANY, INC. OF CORONA, FOR THE 6-INCH AND 8-INCH HOOVER STREET SEWER LINE REPLACEMENT PROJECT**

SYNOPSIS

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve closing Change Order 1 in an amount not to exceed \$114,016.48 to the agreement with Beador Construction Company, Inc. of Corona, for the 6-inch and 8-inch Hoover Street Sewer Line Replacement project; authorize the City Engineer to execute the change order; accept the improvements constructed by Beador Construction Company, Inc. for the project; and authorize the City Clerk to file a Notice of Completion with the San Diego County Recorder.

BACKGROUND

On November 16, 2005, the City Council approved the plans and specifications for the construction of the 6-inch Hoover Street Sewer Line Replacement, 8-inch Hoover Street Sewer Line Replacement Sewer Line Replacement project, and authorized the City Engineer to call for bids.

6-inch Hoover Street Sewer Line Replacement: The City of Oceanside had an existing 6-inch cast iron gravity sewer that has badly deteriorated in Hoover Street. The alignment begins in the Hoover Street right-of-way at the property line between 574 and 578 Hoover Street and extends downhill within the Hoover Street right-of-way to a manhole located approximately 200 feet north of the intersection of Hoover Street and Oceanside Boulevard. This pipeline was installed in 1953 and due to the fact that the top of the pipe has completely eroded away, 300 linear feet of sewer line requires replacement.

8-inch Hoover Street Sewer Line Replacement: The City of Oceanside had an existing 8" sewer pipe that has badly deteriorated along Hoover Street. The alignment begins 300 feet to the south of the intersection of Hoover Street and East Street and extends northward along Hoover Street until it terminates at Lomita Street. The existing sewer was also at a higher elevation than several of the connecting laterals and thus has surcharged back into private homeowner dwellings on several occasions. Therefore, part of this project lowered the sewer by several feet in order to prevent the

surcharging. This pipeline was also connected to a manhole further south in Hoover Street in order to delete the drop manhole in East Street. This pipeline was installed in 1953 and due to the fact that this sewer has surcharged recently, 733 linear feet of sewer line required replacement.

ANALYSIS

Closing Change Order 1 (Exhibit A) included additional work requested by the City to realign the sewer line in two places, extra work per revised plans and additional pipe handling to and from the job site.

FISCAL IMPACT

In Fiscal Year 2007 - 2008, \$1,062,853 was appropriated for the Miscellaneous Sewer Projects Fund and \$537,147 is being carried forward from Fiscal Year 2006 - 2007 for a Fiscal Year 2007 - 2008 Miscellaneous Sewer Projects (722.869780) total budget of 1,600,000. The Beador Construction Company Inc. bid was \$601,700 plus Closing Change Order 1 of \$114,016.48 for a total project cost of \$715,716; therefore adequate funds are available for this item.

COMMISSION OR COMMITTEE REPORT

The Water/Sewer Committee approved staff's recommendations at its regularly scheduled meeting on July 10, 2007.

CITY ATTORNEY'S ANALYSIS

The referenced documents are being reviewed by the City Attorney's office.

RECOMMENDATIONS

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve closing Change Order 1 in an amount not to exceed \$114,016.48 to the agreement with Beador Construction Company, Inc. of Corona, for the 6-inch and 8-inch Hoover Street Sewer Line Replacement project; authorize the City Engineer to execute the change order; accept the improvements constructed by Beador Construction Company, Inc. for the project; and authorize the City Clerk to file a Notice of Completion with the San Diego County Recorder.

PREPARED BY:

Greg Blakely
Administration Manager

Exhibit A - Change Order

STAFF REPORT

DATE: July 17, 2007

TO: Utilities Commission

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **RECOMMEND ACCEPTANCE OF IMPROVEMENTS CONSTRUCTED BY ROSS A. GUY AND SON, INC. OF MURIETTA FOR THE LORETTA STREET WATERLINE REPLACEMENT PROJECT**

SYNOPSIS

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council accept the improvements constructed by Ross A. Guy and Son, Inc. of Murrieta, for Loretta Street Waterline Replacement project; and authorize the City Clerk to file a Notice of Completion with the San Diego County Recorder.

BACKGROUND

In April 2005, the City of Oceanside experienced a break in a critical line which serves the Francine Villa area. The pipeline could not be repaired and/or constructed in the same alignment due to environmental and access issues. Therefore, the City designed a new 12-inch waterline in Loretta Street that is more accessible to City maintenance crews, and the project will be constructed with more reliable materials and construction methods. In order to complete this design, the City secured an encroachment permit with Caltrans with several waivers. The permit waived the requirement for a casing and allowed the City to make a longitudinal encroachment across Highway 76. These waivers drastically lowered the cost to the City by \$540,000 and lowered the risk of failure of the horizontal directional drilling (HDD) during construction due to geotechnical constraints for the HDD installation.

Since the 1,450 linear feet of existing 12-inch steel pipe that failed was not operational, the only pipeline serving the Harbor and the Francine Villas development was an 8-inch waterline. This project replaced the failed 12-inch pipeline and serves as the primary water connection line to the Francine Villas development.

ANALYSIS

This project was completed without change orders.

FISCAL IMPACT

In the adopted budget for Fiscal Year 2005-2006, City Council approved an appropriation of \$1,284,780 for the Loretta Street Waterline Replacement Project (712.858887). The construction cost for the project is \$1,035,694 plus \$117,190 for construction management and inspection services related to the project bringing the total cost for the project to \$1,152,884, so adequate funds are available for the project.

COMMISSION OR COMMITTEE REPORT

The Water/Sewer Committee approved staff's recommendation at its regularly scheduled meeting on July 10, 2007.

CITY ATTORNEY'S ANALYSIS

The referenced documents are being reviewed by the City Attorney's office.

RECOMMENDATIONS

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council accept the improvements constructed by Ross A. Guy and Son, Inc. of Murrieta, for Loretta Street Waterline Replacement project; and authorize the City Clerk to file a Notice of Completion with the San Diego County Recorder.

PREPARED BY:

Greg Blakely
Administration Manager

STAFF REPORT

DATE: July 17, 2007

TO: Utilities Commission

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **RECOMMEND Approval of a COST SHARE agreement with THE COUNTY OF SAN DIEGO for IMPLEMENTATION OF INVESTIGATION ORDER R9-2006-076 for the LAGOONS IN THE CARLSBAD HYDROLOGIC UNIT**

SYNOPSIS

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve a cost share agreement in an amount not to exceed \$493,515 with the County of San Diego for implementation of Investigative Order R9-2006-076 for the Lagoons in the Carlsbad Hydrologic Unit; and authorize the City Manager to execute the agreement.

BACKGROUND

The Clean Water Act (CWA) Section 303(d) requires States to develop a list of waterbodies that do not or are not expected to meet water quality standards and requires the State Water Resources Control board to develop Total Daily Maximum Loads (TMDLs). The purpose of a TMDL is to attain water quality objectives and restore the waterbody's beneficial uses. TMDLs can be for a single water body and a single pollutant, or may be grouped by location and pollutant type.

There are eleven (11) water quality limited segments in San Diego County, comprised primarily of lagoons and their tributary creeks, being addressed under one TMDL. In the Carlsbad Hydrologic Unit (Watershed), Loma Alta Slough, Buena Vista Lagoon, Agua Hedionda Lagoon (and creek), and San Elijo Lagoon (and Escondido Creek) have been listed by the San Diego Regional Water Quality Control Board (SDRWQCB). The impairments that lead to the Section 303(d) listings vary by lagoon and creek, but generally include bacteria, nutrients, sediment and total dissolved solids (TDS). Other lagoons affected by this TMDL process include Santa Margarita Lagoon, Los Penesquitos Lagoon and Famosa Slough.

In order to develop the TMDL, the SDRWQCB must prepare a computer model of the watersheds and lagoons to determine the pollutant load allocations to the various

responsible parties within the watershed. The SDRWQCB has determined that existing water quality monitoring data is insufficient, and therefore adopted Investigation Order R9-2006-076 (Order), which requires the responsible parties to furnish the necessary monitoring required to develop TMDLs. The SDRWQCB has determined that the responsible parties in the Carlsbad Watershed are the County of San Diego, Caltrans, the Hale Avenue Resource Recovery Facility (HARRF), and the incorporated cities of Carlsbad, Escondido, San Marcos, Encinitas, Oceanside, Solana Beach, and Vista.

The monitoring will include water quality, sediment and physical parameter monitoring in the watershed, within the lagoon and at the ocean inlet to properly characterize the fate and transport of the pollutants. Sampling will include bacteria, nutrients, sediment, pH, dissolved oxygen, temperature, conductivity (salinity), flow, and water surface elevation. Samples will consist of grab sampling composite sampling, and continuous monitoring. It will be performed periodically throughout a year-long period beginning in October 2007.

For the past four (4) years, eight (8) of the Responsible Parties within the Carlsbad Watershed, representing the seven (7) cities and the County, have been collaborating together to develop and implement the Carlsbad Watershed Urban Runoff Management Plan (WURMP) pursuant to the Municipal NPDES Permit. Costs incurred for the management and implementation of the WURMP have been successfully cost shared. Encinitas has been designated as the contracting agent for this effort.

ANALYSIS

The Carlsbad Watershed responsible parties have determined that it is in their best interest to work collaboratively on this project using the precedent set by the WURMP to guide the effort. Thus, they have agreed to work together to fulfill the requirements of the Order for Loma Alta Slough, Buena Vista Lagoon, Agua Hedionda Lagoon, and San Elijo Lagoon and have also agreed to share the cost of hiring a consultant to perform the required monitoring. Furthermore, the City of Encinitas has agreed to lead the effort by providing project management and contract administration services for the Carlsbad Watershed responsible parties and will hire a consultant to perform the services described in the order. In exchange for this service, Encinitas will receive an amount equal to 5% of the contract total.

The responsible parties have been working with the SDRWQCB and the Southern California Coastal Water Research Project (SCCWRP) over the past six (6) months to develop a workplan for the Investigation Order. The workplan is now final and the responsible parties are required to begin its implementation.

The California Water Code Section 13267 authorizes the SDRWQCB to require the submission of monitoring program reports from any person discharging pollutants into waters of the State, thus this program is a regulatory requirement and any alternative action puts the City of Oceanside in violation with the Clean Water Act.

FISCAL IMPACT

A cost estimate has been prepared for the Investigation Order R9-2006-076 within the Carlsbad Watershed the following cost sharing formula has been agreed upon by all the responsible parties in the Carlsbad Watershed:

- 10% of costs divided equally
- 45% shared costs divided based on population
- 45% of shared costs divided based on urbanized land area

The Investigation Order is specific to each lagoon so the costs have been individually shared on a watershed-by-watershed basis using the above formula. The costs are spread across two fiscal years. Following are the estimated total costs for the Investigation Order per lagoon.

- Loma Alta Lagoon/Watershed - \$ 380,549
- Buena Vista Lagoon/Watershed - \$ 505,394
- Agua Hedionda Lagoon/Watershed - \$ 431,799
- San Elijo Lagoon/Escondido Creek Watershed - \$ 522,353

PARTY	Cost-Share FY 07-08	Cost-Share FY 08-09	Cost –Share Total
Carlsbad	\$250,038	\$102,178	\$352,216
Encinitas	\$65,801	\$26,166	\$91,967
Escondido	\$210,208	\$83,590	\$293,798
Oceanside	\$493,515	\$211,715	\$705,230
S.D. County	\$328,449	\$132,909	\$461,358
San Marcos	\$64,444	\$26,201	\$90,645
Solana Beach	\$13,912	\$5,532	\$19,444
Vista	\$342,853	\$140,026	\$482,879
Caltrans	\$55,203	\$22,718	\$77,921
HARRF	\$15,671	\$6,232	\$21,903
TOTALS	\$1,840,094	\$757,267	\$2,597,361

It should be noted that several concurrent efforts are underway that have offset some of the costs of the Investigation Order. The Environmental Protection Agency (EPA) is paying approximately \$600,000 for the TMDL model development and SCCWRP has received a nearly \$1.5M grant from the SWRCB to perform special studies associated with the Investigation Order. Furthermore, SCCWRP has offered to perform most of the sediment testing for the project amounting to a cost savings of approximately \$30,000.

COMMISSION OR COMMITTEE REPORT

The Water/Sewer Committee approved staff's recommendation at its regularly scheduled meeting on July 10, 2007.

CITY ATTORNEY'S ANALYSIS

The referenced documents are being reviewed by the City Attorney.

INSURANCE REQUIREMENTS

The City's standard insurance requirements will be met.

RECOMMENDATION:

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve a cost share agreement in an amount not to exceed \$493,515 with the County of San Diego for implementation of Investigative Order R9-2006-076 for the Lagoons in the Carlsbad Hydrologic Unit; and authorize the City Manager to execute the agreement.

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Greg Blakely
Administration Manager