



Meeting Date: 7/12/2011

ACTION	TYPE OF ITEM
<input type="checkbox"/> Approved Recommendation	<input checked="" type="checkbox"/> Info/Consent
<input type="checkbox"/> Ord. No(s). _____	<input type="checkbox"/> Report
<input type="checkbox"/> Res. No(s). _____	<input type="checkbox"/> Public Hearing (Info/consent)
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____

Prepared By: Cynthia Daniels *cd* Agenda Item No. I-4

Reviewed By: City Manager *[Signature]* City Attorney *SMF* Finance *[Signature]* Other *Winegar [Signature]*

DATE: July 1, 2011

TO: City Council

FROM: Cynthia Daniels, Project Manager *Cynthia Daniels*
Development Services Department

SUBJECT: **Change Order 31 for Security Paving Company, Inc. for Project Specification No. PW03-19, Special Budget Appropriation for "Highway 101—Rice Avenue"**

RECOMMENDATION

That City Council:

1. Approve and authorize the Mayor to execute Change Order 31 for Project Specification No. PW03-19 with Security Paving Co., Inc. to increase the amount by \$862,223.13 (a total of \$32,666,844.99) for the Rice Avenue/Santa Clara Avenue interchange improvements at U.S. Highway 101 (Agreement No. A-7228).
2. Approve the appropriation of funds in the amount of \$862,230 for Change Order 31 for Project Specification No. PW03-19 from the Circulation System Improvement Fees to the "Highway 101—Rice Avenue" project for the Rice Avenue/Santa Clara Avenue interchange improvements at U.S. Highway 101.

DISCUSSION

Background. Security Paving Co. Inc. was awarded the construction contract for the Rice Avenue/Santa Clara Avenue interchange improvements at U.S. Highway 101 on October 20, 2009 for \$31,189,493.23. Work started in February 2010. Work includes constructing roadways and a bridge, and installing highway planting, irrigation, signals, lighting, signs, public art, and electrical systems. The schedule at award was 743 calendar days. The current completion date is February 29, 2012 (753 calendar days). The elapsed time is 67.3 percent of the schedule. Attachment 2 is a summary of the approved change orders to date. The project is 50 percent complete. The project is funded by a combination of federal and state grants, an assessment district, HERO redevelopment funds, California's underground storage tank cleanup fund, and city contributions.

Change Order No. 31: Water Lines. The change order addresses four interconnected issues with the project's water line relocations.

- 1) The approved plans show the proposed 16-inch and 45-inch municipal water lines dipping under an existing 300 mm (12 inch) irrigation water line at the adjacent Sakioka Farms. The plans show the proposed water lines connecting to the existing water lines by mechanical joints. The solution modified the water lines' alignments.
- 2) Conflicts with the proposed Verizon California telephone utilities (specifically the boring pit for the utility line under Highway 101) arose after bid opening. The solution modified the water lines' alignments to accommodate Verizon's boring pit. It was determined that the two butterfly valves were not needed, and that welded joints were preferred over mechanical joints (recommended by Calleguas Municipal Water District, the expert on the 45-inch water line). Additionally, manways, dismantling joints, flanges, blow-off and air-relief valves, and concrete thrust blocks were determined to be required for these water lines.
- 3) URS Energy & Construction, the city's engineer, stated earth settlement from the new embankment placed on the east side of Rice Avenue could affect the existing 45-inch water line. URS indicated the existing 45-inch water line should be relocated outside the influence zone of the embankment. The solution added 373.2 additional meters of 1125 mm (45-inch) pipe to the plans. Staff anticipates the city will file a claim against URS to recover all costs related to design errors resulting in unexpected changes due to the earth settlement.
- 4) Nyeland Acres Municipal Water Company (NAMWC), after bid opening, indicated that comments they made during the design phase requiring connections to existing services were not incorporated into the final contract plans. These comments are addressed in the revised plans in this change order.

The extra work was completed with a combination of agreed prices, and time and materials in June 2011 at the contractor's risk. The adjustment to the number of working days is deferred. The city uses calendar days, and Caltrans uses working days to establish the construction schedule. The change order increases the total changes to \$1,477,351.76, which is five percent of the original award amount. The extra work at force account is an estimate of \$335,000. The actual cost for the extra work at force account is based on the contractor's accumulation of costs allowed in the City's specifications. The actual cost may be more or less than this amount. If the cost exceeds the estimate, staff will return to the City Council for approval of a change order.

FINANCIAL IMPACT

The change order increases the contract by \$862,223.13 to a total of \$32,666,844.99. The special budget appropriation increases the project budget for "Highway 101—Rice Interchange" Project No. 873114 by \$862,230 to a total of \$76,722,530.

CO 31 for Security Paving, PW03-19 Hwy 101/Rice Ave
July 1, 2011
Page 3

- Attachment #1 - Change Order No. 31
#2 - Contract Summary with Changes
#3 Special Budget Appropriation
#4 Contract Change Order Memorandum from AECOM
#5 Record of Negotiations
#6 Engineer's Estimate of Change Order

Note: The Change Order No. 31 has been provided to the City Council. Copies are available for review at the Circulation Desk in the Library after 6:00 p.m. on the Thursday prior to the Council meeting and at the City Clerk's Office after 8:00 a.m. on Monday.

C:\Documents and Settings\pwcynd\My Documents\Rice-Hwy 101\City Council Reports\Security Paving Change Orders PW03-19\CCO 31.ai.doc

CITY OF OXNARD

REQUEST FOR SPECIAL BUDGET APPROPRIATION

To the City Manager:

July 12, 2011

Request is hereby made for an appropriation of total \$ 862,230

Reason for appropriation: Construction expenses of Specification No. PW03-19
for the "Highway 101--Rice Avenue" project

<u>FUND</u>	<u>DESCRIPTION/ACCOUNT</u>	<u>AMOUNT</u>
Circulation System Improvement Fees 354	354-9718 (Project 873114) 826.86-04 Improvements Not Building-New	862,230
Estimated Net Change to Circulation System Improvement Fees Fund		<u>862,230</u>

Smale

Manager

REQUIRES CITY COUNCIL APPROVAL

CHIEF FINANCIAL OFFICER

James Cameron

Disposition

Approved _____

Rejected _____

Transfer by Journal Voucher _____

City Manager



CITY OF OXNARD – DEVELOPMENT SERVICES DEPARTMENT
CONTRACT CHANGE ORDER MEMORANDUM

Sheet 1 of 2

DATE June 29, 2011

TO Rob Roshanian, Interim Public Works Director			FILE PROJECT No. PW03-19 CALTRANS NUMBER: 07-003431 FED NO. STPL-5129(012), ESPL5129(058), HPLUL-5129(051), HPLUL-5129(056), TILUL-5129(057), HPLUL-5129(063) CONTINGENCY BALANCE (including this change):	
FROM Andres Roldan, Resident Engineer				
CCO NO. 31	SUPPLEMENT NO. 0	CATEGORY CODE		
\$862,223.13			<input checked="" type="checkbox"/> INCR	<input type="checkbox"/> DECR
SUPPLEMENTAL FUNDS PROVIDED \$0.00			HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Original Contract Working Days: 743 DAY (S)	Time Adjustment this Change: 0 DAY (S)	Previously-Approved CCO Time Adjustments: 9 DAY (S)	Percentage Time Adjusted to Date (including this change) 1.21%	Total Number of Unreconciled Deferred-Time CCO'S (Including this change) 0

THIS CHANGE ORDER PROVIDES FOR (Use additional pages as needed):

- Changing the layout of the proposed 1125 mm and 400 mm water lines.
- Changing the connection details for the 1125 mm and 400 mm water lines.
- Eliminating two 1050 mm butterfly valves.
- Adding two 200 mm gate valves.
- Adding one 400 mm butterfly valve.
- Deleting one 100 mm air blow-off valve.
- Deleting one 50 mm air-vacuum release valve.
- Adding two insulating flanges.
- Adding two 150 mm dismantling joints.
- Adding four 200 mm dismantling joints.
- Adding one 250 mm dismantling joint.
- Adding four 400 mm dismantling joints.
- Adding three test stations.
- Adding two butt straps.
- Adding one 200 mm blind flange.
- Adding one 400 mm blind flange.
- Adding four manways.
- Adding 60.0 m³ of concrete encasement.
- Connecting the NAMWC water line to existing service connections.
- Adding 373.2 m of 1125 mm water line.
- Performing additional dewatering to install the additional 373.2 meters of 1145mm water line along Rice Ave.
- Adding 25 m of 400 mm water line.

REASON FOR CHANGE:

The original plans show the proposed water lines dipping under an existing 300 mm irrigation water line at the adjacent Sakioka Farm. These plans also show the proposed water lines being connected to the existing water lines by means of mechanical joints. Conflicts with the proposed Verizon Co. utilities (boring pit for line under Hwy 101) arose after bid opening. Several meetings with the Design team were held to resolve this issue. This resulted in the water lines' alignments being modified to accommodate Verizon's boring pit. In the course of these meetings, it was determined that the two butterfly valves were not needed, and that welded joints were preferred over mechanical joints (per Calleguas Municipal Water District). Moreover, manways, dismantling joints, flanges, blow-off and air-relief valves, and concrete thrust blocks were determined to be required for these water lines. Additionally, concerns with settlement of the new embankments affecting the existing 45" water line on Rice Ave. were raised by the URS Designer after the Contractor had placed the new embankment on the "R" alignment. The Designer indicated that the existing 45" water line along Rice Ave, within the project limits, should be relocated outside the influence zone of the embankment. Therefore, 373.2 additional meters of 1125mm of pipe were added to the plans.

Finally, Nyeland Acres Municipal Water Company (NAMWC), after bid opening, indicated that comments they made, during the design phase, requiring connections to existing services were not incorporated into the final contract plans. These comments are addressed in the revised plans under this change order.

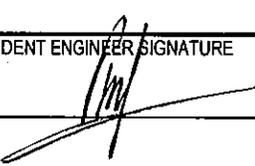
ATTACHMENT 4
 PAGE 1 OF 2

METHOD OF PAYMENT:

Increase in Contract Items at Contract Item Prices. \$613,587.90
 Decrease in Contract Items at Contract Item Prices. <-\$17,906.50>
 Delete Contract Items at Contract Lump Sum Prices <-\$107,880.00>
 Extra Work at Force Account. \$335,000.00
 Extra Work at Agreed Lump Sum: \$39,421.73

TIME ADJUSTMENT:

Deferred.

CONCURRED BY:		ESTIMATE OF COST	
INTERIM PUBLIC WORKS DIRECTOR: ROB ROSHANIAN	DATE	ITEMS	THIS REQUEST \$487,801.40
CITY OF OXNARD PROJECT MANAGER-ENGINEER: ROBERT HEARNE	DATE	FORCE ACCOUNT AGREED PRICE	TOTAL TO DATE \$487,801.40 \$335,000.00 \$39,421.73
CITY OF OXNARD PROJECT MANAGER: CYNTHIA DANIELS	DATE:	ADJUSTMENT	\$0.00
STATE OF CALIFORNIA	DATE:	TOTAL	\$862,223.13
DESIGN ENGINEER: SHENPING CHOU	DATE:	FEDERAL PARTICIPATION	
TRAFFIC ENGINEER	DATE	<input checked="" type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (Maintenance) <input type="checkbox"/> NON-PARTICIPATING	
CITY OF OXNARD PRIOR APPROVAL BY:	DATE:	FEDERAL SEGREGATION:	
Authorization To Proceed by:	DATE	<input checked="" type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
RESIDENT ENGINEER SIGNATURE	DATE	FEDERAL FUNDING SOURCE	PERCENT
	6/30/11	STPL-5129(012)	80.00%
		ESPL5129(058)	80.00%
		HPLUL-5129(051)	80.00%
		HPLUL-5129(056)	80.00%
		TILUL-5129(057)	80.00%
		HPLUL-5129(063)	80.00%

Date: June 23rd, 2011

From: Andres Roldan
Resident Engineer
Rice / Santa Clara Interchange Improvements Over Highway 101

To: Rob Roshanian, Public Works Interim Director _____
Cynthia Daniels, Project Manager _____
Robert Hearne, Project Manager _____

Record of Negotiations CCO #31

Background / Cost

The original plans show the proposed water lines dipping under an existing 300 mm irrigation water line at the adjacent Sakioka Farm. These plans also show the proposed water lines being connected to the existing water lines by means of mechanical joints. Conflicts with the proposed Verizon Co. utilities (boring pit for line under Hwy 101) arose after bid opening. Several meetings with the Design team were held to resolve this issue. This resulted in the water lines' alignments being modified to accommodate Verizon's boring pit. In the course of these meetings, it was determined that the two butterfly valves were not needed, and that welded joints were preferred over mechanical joints (per Calleguas Municipal Water District). Moreover, manways, dismantling joints, flanges, blow-off and air-relief valves, and concrete thrust blocks were determined to be required for these water lines. Additionally, concerns with settlement of the new embankments affecting the existing 45" water line on Rice Ave. were raised by the URS Designer after the Contractor had placed the new embankment on the "R" alignment. The Designer indicated that the existing 45" water line along Rice Ave, within the project limits, should be relocated outside the influence zone of the embankment. Therefore, 373.2 additional meters of 1125mm of pipe were added to the plans. Finally, Nyeland Acres Municipal Water Company (NAMWC), after bid opening, indicated that comments they made, during the design phase, requiring connections to existing services were not incorporated into the final contract plans. These comments are addressed in the revised plans under this change order.

For a cost breakdown see attached CCO. Specialty work costs were reviewed by AECOM and URS

The basis for establishing costs for extra work is on the City of Oxnard Standard Specifications, June 2009, Section 3-3.2.2.

Extra Work at Force Account (T&M) will be verified by the inspectors in the field, and agreed with the foreman on site at the end of each day on a Daily Extra Work form. No payment for Extra Work at Force Account (T&M) will be issued until an Extra work Bill is submitted by the Contractor and verified by the Construction Manager's office using inspector diaries, signed Daily Extra Work forms, and certified payrolls.

Explanation of Rates used on Engineers' Estimate

- Equipment rates are estimated using the "Labor Surcharge and Equipment Rental Rates Book" published by the State of California, Department of Transportation, which is in effect for the month that the work takes place. Note that this is an estimate for the cost of the equipment that might be used to do the work and sometimes the equipment actually doing the work may differ. However, the actual equipment rate charged by the contractor on their Extra Work Bill after the work is completed will be verified using the "Labor Surcharge and Equipment Rental Rates Book".
- Labor rates are average rates for the job classification used. The actual rate for labor is not known at the time of the estimate because the work has not taken place and the Engineer does not know who will be doing the work. This is an Engineer's estimate of the labor hours needed to complete the work. Actual labor rates will be verified using certified payrolls and compared with Extra Work Bills submitted by the Contractor.

Engineer's Estimate - Prepared by AECOM

6/27/2011

ITEM:	ORIGINAL QUANTITY:	REVISED QUANTITY:	ITEM INC/DEC:	UNIT PRICE:	AMOUNT:
29 - ABANDON STEEL PIPE	1269	1667.2	398.2	\$74.00	\$29,466.80
127 - 750 MM Welded Steel Casing (6.35MM thick)	310	298.7	-11.3	\$350.00	-\$3,955.00
128 - 1125 MM WELDED STEEL PIPE (6.35 MM THICK) CEMENT MORTAR LINING	570	602	373.2	\$1,470.00	\$548,604.00
133 - 400 MM DUCTILE IRON PIPE	1340	1365	25	\$235.00	\$5,875.00
134 - 400 MM Steel Welded Pipe	130	118.7	-11.3	\$155.00	-\$1,751.50
136 - 200 MM POLYVINYL CHLORIDE PIPE	510	527.9	17.9	\$149.00	\$2,667.10
137 - COUPLING	4	0	-4	\$4,500.00	-\$18,000.00
140 - 200 MM GATE VALVE	3	5	2	\$1,660.00	\$3,320.00
143 - 400 MM BUTTERFLY VALVE	7	8	1	\$17,335.00	\$17,335.00
144 - 1050 MM BUTTERFLY VALVE	2	0	-2	\$44,940.00	-\$89,880.00
147 - 100 MM AIR BLOW-OFF VALVE	5	4	-1	\$7,490.00	-\$7,490.00
149 - CATHODIC PROTECTION	1	2	1	\$6,420.00	\$6,420.00
151 - 50 MM AIR-VACUUM RELEASE VALVE	10	9	-1	\$4,710.00	-\$4,710.00
				TOTAL =	\$487,901.40

EXTRA WORK AT FORCE ACCOUNT:

a) INSULATING FLANGE	0	2	2	EWFA	\$5,000.00
b) DISMANTELING JOINT	0	11	11	EWFA	\$5,500.00
d) BUTT STRAP	0	2	2	N/A	\$50,000.00
e) BLIND FLANGE	0	2	2	N/A	\$5,000.00
f) MANWAY	0	4	4	EWFA	\$155,000.00
g) CONCRETE ENCASEMENT	0	1	1	EWFA	\$40,000.00
h) DEWATERING (Pure Effect)	0	1	1	INVOICE	\$39,421.73
i) DEWATERING (Sec Pav)	0	1	1	EWFA	\$65,000.00
j) 400mm TJ Original Pipe Credit	0	-127.4	-127.4	\$138.62	-\$17,660.50
k) 400mm TR Flex Pipe	0	127.4	127.4	\$213.09	\$27,149.10
l) 400mm TJ Original pipe rstk fee	0	127.4	127.4	\$48.53	\$6,182.22
m) 400 mm DIP Restraints	0	2	2	\$3,500.00	\$7,000.00
				TOTAL =	\$387,592.55

GRAND TOTAL = \$875,493.95