



CITY COUNCIL AGENDA REPORT

MEETING DATE: APRIL 17, 2012

ITEM NUMBER:

SUBJECT: BAKER STREET AND BEAR STREET INTERSECTION IMPROVEMENTS, CITY PROJECT NO. 11-10

DATE: APRIL 5, 2012

FROM: PUBLIC SERVICES DEPARTMENT/ENGINEERING DIVISION

PRESENTATION BY: RAJA SETHURAMAN, ACTING DIRECTOR, PUBLIC SERVICES DEPARTMENT

FOR FURTHER INFORMATION CONTACT: FARIBA FAZELI, INTERIM CITY ENGINEER, (714) 754-5335

RECOMMENDATION:

1. Adopt plans, specifications, and working details for the Baker Street and Bear Street Intersection Improvements, City Project No. 11-10.
2. Approve Budget Adjustment No. 12-017 (Attachment 1) in the amount of \$242,500.
3. Award a construction contract to C.T. & F., Inc., 7228 Scout Avenue, Bell Gardens, CA 90201, in the amount of \$194,356.65.
4. Approve Supplemental Agreement in the amount of \$40,000, and authorize the CEO to execute the subsequent change order to follow.
5. Authorize the Mayor and the City Clerk to execute the Public Works Agreement.

BACKGROUND:

Bear Street provides direct access to SR-73 Freeway and Baker Street provides access to SR-55 Freeway. Bear Street also provides access to major shopping centers, including South Coast Plaza and Metro Pointe. Both streets are classified as Major Arterials, according to the Orange County Transportation Authority's (OCTA) Master Plan of Arterial Highways (MPAH). There is significant traffic on Baker Street especially in the westbound direction in the evening peak hour. As a consequence, there is a significant amount of congestion and delays for the westbound direction at the Baker Street – Bear Street intersection during the evening peak hour period. The City's General Plan Circulation Element includes the improvement to add a westbound through lane at this intersection.

In 2011, the City was successful in securing an OCTA Measure M2 grant under the Intersection Capacity Enhancement (ICE) program to construct General Plan Circulation Element improvements at the intersection of Baker Street and Bear Street.

ANALYSIS:

Based on staff's review of critical traffic movements within this area, the improvements required to mitigate the sub-standard traffic conditions include revising Baker Street to include three westbound through lanes, in compliance with Master Plan standards. In addition, the project will

implement traffic signal modifications at the subject intersection. The project consists of new curb and gutter, paving, roadway striping, furnishing and installing a new traffic signal controller, signal equipment, conduit, conductors and cable, cabinet integration, fiber optic cable, closed circuit television (CCTV) assembly, network equipment, Americans with Disabilities Act (ADA) accessible curb ramps, and all incidental work.

The City Clerk received and opened seven (7) bids for this project on February 27, 2012. C.T. & F, Inc. was the apparent low bidder with a base bid proposal of \$194,356.65. The Engineer's estimate for this work was \$240,125; and the average of the seven (7) base bids received amounted to \$207,484.09. ~~An analysis of the bids indicates that the apparent low bidder submitted a proposal that is nineteen percent (19%) lower than the Engineer's estimate.~~ The variance between the low bidder and the Engineer's estimate may be attributed to continued competitive conditions in the construction industry at this time. The Bid Abstract is included as Attachment "2".

The apparent low bid is substantially lower than the Engineer's estimate and the funding allocated for the project. The City has identified certain supplemental work items that could be included to maximize the utilization of available resources to the project. The supplement work for this project will consist of upgrading the traffic signal poles to handle larger mast arms and to provide for additional traffic signal indications. In addition, the traffic lane markings will be extended and revised correctly to further improve traffic flow and turning abilities. After the approval of this contract and the Supplemental Agreement, staff will negotiate a change order to perform the supplemental work. The extent of the work will not exceed the \$40,000 in available grant funding. It is recommended that the CEO be authorized to execute this change order.

The license and references of C.T. & F., Inc. were checked and staff has found them to be in good standing.

ALTERNATIVES CONSIDERED:

The alternative to this Council action would be to reject all the bids. If all the bids were rejected, the City would then need to readvertise or to cancel the project. Staff believes that readvertising the project will not result in lower bids.

If the supplemental agreement is not approved by this Council Action, the balance of the grant monies will be returned to the grant source in lieu of being utilized for the enhancement of the signalized intersection.

FISCAL REVIEW:

Funding for this project is available from the approved OCTA Measure M2 grant in the amount of \$181,500, and matched by Traffic Impact Fee funds in the amount of \$61,000. The attached Budget Adjustment No. 12-017 allocates the grant funding and the Traffic Impact Fee funds from the available fund balance towards the construction of the project.

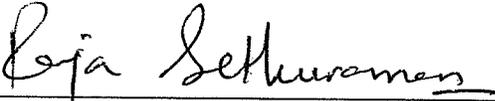
LEGAL REVIEW:

C.T. & F., Inc. has furnished the necessary bonds and insurance, which have been approved as to form by the City Attorney's office. After the award and subsequent execution of the contract, a "Notice to Proceed" will be issued.

CONCLUSION:

The City has received bids for the Baker Street and Bear Street Intersection Improvements, City Project No. 11-10. Staff has evaluated all of the bids and recommends that the City Council adopt the plans, specifications, and working details for said project; approve Budget Adjustment No. 12-017 in the amount of \$242,500; award the contract to the apparent low bidder C.T. & F., Inc. in the

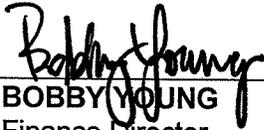
amount of \$194,356.65; approve Supplemental Agreement and authorize the CEO to execute the subsequent change orders; and authorize the Mayor and the City Clerk to execute the Public Works Agreement.



RAJA SETHURAMAN, Acting Director
Public Services Department



FARIBA FAZELI
Interim City Engineer



BOBBY YOUNG
Finance Director

ATTACHMENTS: "1" Budget Adjustment No. 12-017
"2" Bid Abstract

DISTRIBUTION: Chief Executive Officer
City Attorney
City Clerk
Interim Development Services Director
Transportation Services Manager
Staff
File

BUDGET ADJUSTMENT AUTHORIZATION

ATTACHMENT 1

Unit CITY	Department Public Services	Division Transportation	Serial Number 12-017
Type of Transaction <input checked="" type="checkbox"/> Revenue Estimate <input checked="" type="checkbox"/> Estimate Increase <input type="checkbox"/> Estimate Decrease <input checked="" type="checkbox"/> Source <input type="checkbox"/> From Existing Budget Appropriations <input checked="" type="checkbox"/> From Donations, Fees, or Grants <input checked="" type="checkbox"/> From Unappropriated Fund Balance		Reason for Request: To increase revenue and appropriations for Measure M2 grant and Traffic Impact Fee funds for intersection improvements at Bear Street and Baker Street, as recommended to City Council on April 17, 2012.	

Unit	Account	Name	Fund	Organization	Program	Project/Grant	Increase	Decrease
CITY	500000	Harbor/Gisler Intersection Improvements	415	19300	30112	300140	\$181,500	-
CITY	430312	Measure M2 Regional Grant	415	19300	30112	-	181,500	-
CITY	500000	Harbor/Gisler Intersection Improvements	214	19300	30112	300140	61,000	-
CITY	340295	Unreserved undesignated fund balance	214	90000	50240	-	-	61,000
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

Department Authorization: _____ Date _____ Department Director	Recommendation: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Disapproval Reasons For Disapproval: _____ Date _____ Director of Finance
Budget Verification: The above information has been reviewed, is complete and accurate, and the appropriations and/or unappropriated funds are sufficient to support the request. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	City Manager Action: <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required _____ Date _____ City Manager
Budget and Research Officer _____ Date _____	City Council Action: <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required _____ Date _____

CITY OF COSTA MESA

DEPARTMENT OF PUBLIC SERVICES

BAKER STREET AT BEAR STREET INTERSECTION IMPROVEMENT PROJECT

PROJECT NO. 11-10

BID OPENING DATE: FEBRUARY 27, 2012

1. C.T. & F., INC.
BELL GARDENS

NO.	BID QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS INTERSECTION IMPROVEMENTS	\$192,000.00	\$192,000.00
2	10	EA # 6 PULL BOX REPLACEMENT	\$750.00	\$7,500.00
3	125	LF REMOVE & REPLACE TYPE C-8 CURB AND GUTTER	\$45.00	\$5,625.00
4	1	LS TRAFFIC LEGENDS, SIGNS AND STRIPING	\$30,000.00	\$30,000.00
5	1	FA PROJECT MANAGEMENT	\$5,000.00	\$5,000.00
CITY ESTIMATE				
			UNIT PRICE	TOTAL
			\$152,304.00	\$152,304.00
			\$745.24	\$7,452.40
			\$124.37	\$15,546.25
			\$14,054.00	\$14,054.00
			\$5,000.00	\$5,000.00

BASE BID TOTAL: \$240,125.00

2. TRAFFIC DEVELOPMENT SERVICES, INC.
MOORPARK

NO.	BID QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS INTERSECTION IMPROVEMENTS	\$152,605.00	\$152,605.00
2	10	EA # 6 PULL BOX REPLACEMENT	\$1,300.00	\$13,000.00
3	125	LF REMOVE & REPLACE TYPE C-8 CURB AND GUTTER	\$80.00	\$11,250.00
4	1	LS TRAFFIC LEGENDS, SIGNS AND STRIPING	\$17,000.00	\$17,000.00
5	1	FA PROJECT MANAGEMENT	\$5,000.00	\$5,000.00
CITY ESTIMATE				
			UNIT PRICE	TOTAL
			\$167,940.00	\$167,940.00
			\$500.00	\$5,000.00
			\$88.00	\$11,000.00
			\$16,500.00	\$16,500.00
			\$5,000.00	\$5,000.00

BASE BID TOTAL: \$205,440.00

3. VT ELECTRIC, INC.
UPLAND

NO.	BID QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS INTERSECTION IMPROVEMENTS	\$180,000.00	\$180,000.00
2	10	EA # 6 PULL BOX REPLACEMENT	\$620.00	\$6,200.00
3	125	LF REMOVE & REPLACE TYPE C-8 CURB AND GUTTER	\$70.00	\$8,750.00
4	1	LS TRAFFIC LEGENDS, SIGNS AND STRIPING	\$10,500.00	\$10,500.00
5	1	FA PROJECT MANAGEMENT	\$5,000.00	\$5,000.00
CITY ESTIMATE				
			UNIT PRICE	TOTAL
			\$186,958.71	\$186,958.71
			\$723.61	\$7,236.06
			\$92.20	\$11,524.46
			\$14,764.86	\$14,764.86
			\$5,000.00	\$5,000.00

BASE BID TOTAL: \$216,159.00

4. PTM GENERAL ENGINEERING SERVICE, INC.
RIVERSIDE

NO.	BID QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS INTERSECTION IMPROVEMENTS	\$180,000.00	\$180,000.00
2	10	EA # 6 PULL BOX REPLACEMENT	\$620.00	\$6,200.00
3	125	LF REMOVE & REPLACE TYPE C-8 CURB AND GUTTER	\$70.00	\$8,750.00
4	1	LS TRAFFIC LEGENDS, SIGNS AND STRIPING	\$10,500.00	\$10,500.00
5	1	FA PROJECT MANAGEMENT	\$5,000.00	\$5,000.00
CITY ESTIMATE				
			UNIT PRICE	TOTAL
			\$186,958.71	\$186,958.71
			\$723.61	\$7,236.06
			\$92.20	\$11,524.46
			\$14,764.86	\$14,764.86
			\$5,000.00	\$5,000.00

BASE BID TOTAL: \$216,159.00

5. STEINY AND COMPANY, INC.
BALDWIN PARK

NO.	BID QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS INTERSECTION IMPROVEMENTS	\$173,800.00	\$173,800.00
2	10	EA # 6 PULL BOX REPLACEMENT	\$800.00	\$8,000.00
3	125	LF REMOVE & REPLACE TYPE C-8 CURB AND GUTTER	\$78.00	\$9,750.00
4	1	LS TRAFFIC LEGENDS, SIGNS AND STRIPING	\$16,000.00	\$16,000.00
5	1	FA PROJECT MANAGEMENT	\$5,000.00	\$5,000.00
CITY ESTIMATE				
			UNIT PRICE	TOTAL
			\$189,578.00	\$189,578.00
			\$900.00	\$9,000.00
			\$128.00	\$16,000.00
			\$15,000.00	\$15,000.00
			\$5,000.00	\$5,000.00

BASE BID TOTAL: \$214,578.00

6. FLATIRON ELECTRIC GROUP, INC.
CHINO

NO.	BID QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS INTERSECTION IMPROVEMENTS	\$186,484.00	\$186,484.00
2	10	EA # 6 PULL BOX REPLACEMENT	\$200.00	\$2,000.00
3	125	LF REMOVE & REPLACE TYPE C-8 CURB AND GUTTER	\$67.00	\$8,375.00
4	1	LS TRAFFIC LEGENDS, SIGNS AND STRIPING	\$14,300.00	\$14,300.00
5	1	FA PROJECT MANAGEMENT	\$5,000.00	\$5,000.00
CITY ESTIMATE				
			UNIT PRICE	TOTAL
			\$186,958.71	\$186,958.71
			\$723.61	\$7,236.06
			\$92.20	\$11,524.46
			\$14,764.86	\$14,764.86
			\$5,000.00	\$5,000.00

BASE BID TOTAL: \$216,159.00

7. CALIFORNIA PROFESSIONAL ENGINEERING, INC.
LA PUENTE

NO.	BID QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS INTERSECTION IMPROVEMENTS	\$180,000.00	\$180,000.00
2	10	EA # 6 PULL BOX REPLACEMENT	\$620.00	\$6,200.00
3	125	LF REMOVE & REPLACE TYPE C-8 CURB AND GUTTER	\$70.00	\$8,750.00
4	1	LS TRAFFIC LEGENDS, SIGNS AND STRIPING	\$10,500.00	\$10,500.00
5	1	FA PROJECT MANAGEMENT	\$5,000.00	\$5,000.00
CITY ESTIMATE				
			UNIT PRICE	TOTAL
			\$186,958.71	\$186,958.71
			\$723.61	\$7,236.06
			\$92.20	\$11,524.46
			\$14,764.86	\$14,764.86
			\$5,000.00	\$5,000.00

BASE BID TOTAL: \$216,159.00