**REPORT TO MAYOR AND COUNCIL****TO THE HONORABLE MAYOR AND COUNCIL:**

DATE: January 26, 2010

SUBJECT: AWARDING A CONSTRUCTION CONTRACT IN THE TOTAL AMOUNT OF \$225,817.60 TO WINGARD ENGINEERING, INC. OF BETHEL ISLAND FOR PROJECT NO. 2110, CLAYTON ROAD/CHESTNUT AVENUE TRAFFIC SIGNAL; AND APPROVING A RELATED BUDGET TRANSFER IN THE AMOUNT OF \$70,000

Report in Brief

Bids were opened at 2:00 p.m. on Thursday, December 3, 2009, for Project No. 2110, Clayton Road/Chestnut Avenue Traffic Signal. Wingard Engineering, Inc. (Wingard) submitted the low bid of \$225,817.60. Wingard has the appropriate and valid contractor's license and has satisfactory work references. As discussed below, the project requires an additional appropriation of \$70,000.

Staff recommends that the City Council award a construction contract in the total amount of \$225,817.60 to Wingard Engineering, Inc. of Bethel Island for Project No. 2110, Clayton Road/Chestnut Avenue Traffic Signal; and approve a related budget transfer in the amount of \$70,000.

Background

The City Council approved Project No. 2110, Clayton Road/Chestnut Avenue Traffic Signal, when it adopted the FY 2008-09 Capital Improvement Program (CIP) 10-Year Plan (see Vicinity Map, Attachment 1). The project will enhance the safety of motorists and pedestrians on Clayton Road between Chestnut Avenue and Babel Lane, an area that has experienced a number of traffic collisions in recent years. As approved, the project will install a traffic signal and a signalized crosswalk across Clayton Road at Chestnut Avenue. Additionally, the non-signalized pedestrian crosswalk across Clayton Road at Roslyn Drive will be removed; pedestrians will be directed to the signalized crosswalk across Clayton Road at Chestnut Avenue.

Bids were opened at 2:00 p.m. on Thursday, December 3, 2009. Eleven bids were received, ranging from \$225,817.60 to \$318,538.00, as shown on the Bid Summary (Attachment 3). The Engineer's Estimate was \$263,500. Wingard Engineering, Inc. submitted the low bid of \$225,817.60.

Discussion

Wingard's low bid of \$225,817.60 is approximately 14% less than the Engineer's Estimate of \$263,500. Staff contacted the low bidder to obtain confirmation of their bid amount. Wingard confirmed that they are comfortable with their bid and ready to perform the work as bid. Additionally, Wingard's bid is only 6% lower than the second low bid, thus validating the reasonableness of their bid. Moreover, the second low bid is within

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8% of the third to seventh lowest bids, and all but three bids were lower than the Engineer's Estimate, further validating the reasonableness of Wingard's low bid.

Wingard possesses a proper and valid contractor's license, and has successfully completed similar projects and provided satisfactory references. Based on the foregoing information, staff recommends that the City Council award a construction contract to Wingard Engineering, Inc. of Bethel Island as the lowest responsible bidder for Project No. 2110, Clayton Road/Chestnut Avenue Traffic Signal.

While the project was advertised for bids, staff engaged a traffic engineering consultant to evaluate the un-signalized crosswalk across Clayton Road at Barbis Way, which has experienced a number of traffic collisions similar to the area near Roslyn Drive. Based on their findings, the consultant recommended removing the crosswalk and directing pedestrian traffic to the signalized crosswalk across Clayton Road at Babel Lane. Accordingly, staff will add the removal of this crosswalk to the project scope.

The original project budget per the adopted CIP did not include right-of-way acquisition and cost recovery, which is the staff indirect cost related to design and construction administration. The project requires an additional appropriation of \$70,000 as shown on Attachment 2, Budget Analysis. This amount includes the cost of removing the crosswalk across Clayton Road at Barbis Way.

The project is categorically exempt from the requirement for preparation of an environmental document as provided for in Section 15303 of the California Environmental Quality Act. The Notice of Exemption was filed with the County Recorder's Office on December 18, 2009.

The project schedule calls for beginning construction in February 2010, and completing the work in May 2010.

Fiscal Impact

As discussed, this project requires an additional allocation of \$70,000 to fully fund the construction work. Staff recommends an appropriation of \$70,000 from Project No. 1951, Citywide Traffic/Street Improvement Program, which is the holding account for traffic signal and street improvements. The additional appropriation will not affect the projects in the FY 2009-10 CIP 10-Year Plan, or active projects.

Public Contact

The Notice to Contractors describing the project and scheduled bid opening was published in the Contra Costa Times on November 6, 10, 17, and 23, 2009. The Notice to Contractors was posted on eBidboard.com on November 3, 2009 and the Council Agenda was posted.

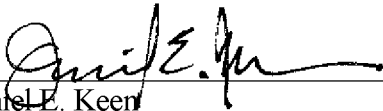
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Recommendation for Action

Award a construction contract in the total amount of \$225,817.60 to Wingard Engineering, Inc. for Project No. 2110, Clayton Road/Chestnut Avenue Traffic Signal; and approve a related budget transfer in the amount of \$70,000.

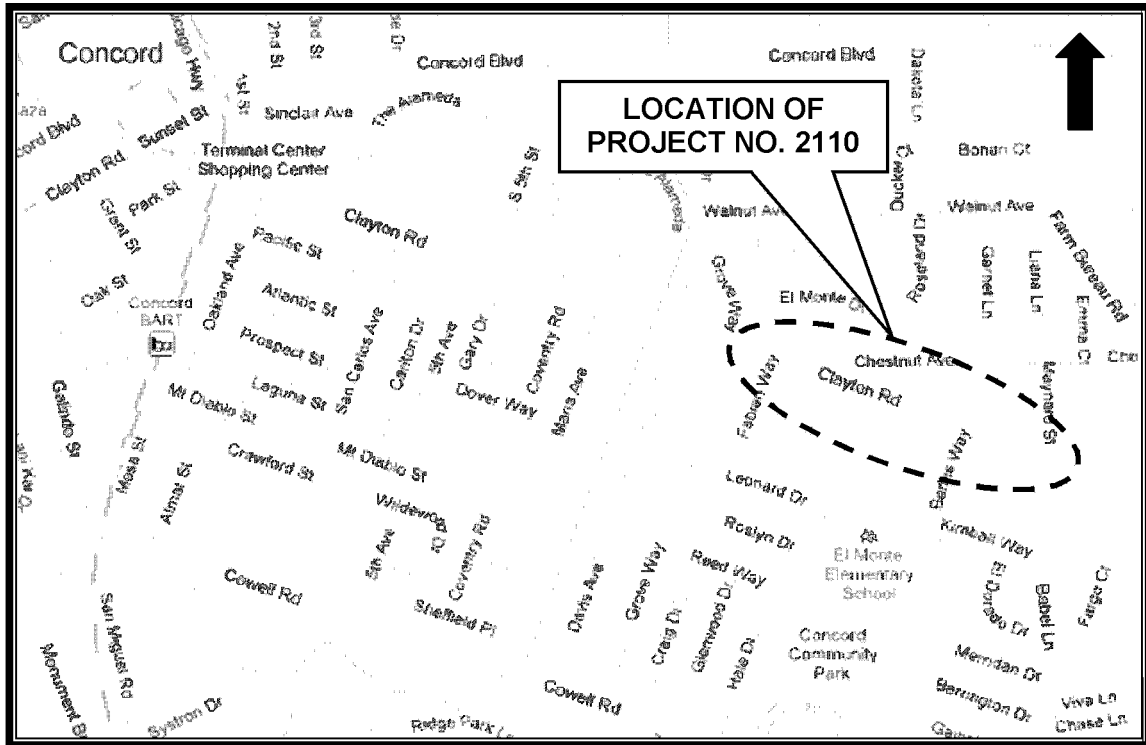


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- Attachment 1: Vicinity Map
- Attachment 2: Budget Analysis
- Attachment 3: Construction Contract bid summary



VICINITY MAP
No Scale

**BUDGET ANALYSIS
CLAYTON ROAD/CHESTNUT AVENUE
TRAFFIC SIGNAL
PROJECT NO. 2110**

Available Budget

OSIP	<u>\$425,000</u>
Total Budget	\$425,000

Soft Costs

16.76%	Design	\$40,950	Plans, Specifications, and Estimate
10.46%	Design Coordination	\$25,550	Staff
15.00%	Construction Admin.,(Estimated)	\$36,641	Oversight/Inspection, Materials Testing, Utility Coordination
15.00%	Cost Recovery (Estimated)	\$36,641	
29.40%	Right of Way	<u>\$71,822</u>	Right-of-Way Consultant, Surveyor, Title Co., Purchase of Right-of-Way
	Total Soft Costs	\$211,604	

Soft cost percentages are calculated based on Hard Construction Cost: \$244,273

Hard Construction Costs

Base Bid	\$225,818
Procurement of traffic signal poles, mast arms, & anchor bolts	<u>\$18,455</u>
Total Hard Construction Cost	\$244,273

Total Budget Required

Soft Cost	\$211,604
Hard Cost	\$244,273
Contingency (15%)	\$36,641
Miscellaneous (Mailing, Advertisement, Printing)	<u>\$2,483</u>
Total Budget Required	\$495,000

Additional Budget Required

Total Budget Required	\$495,000
Available Budget	<u>\$425,000</u>
Additional Allocation Required	\$70,000

**City of Concord
Construction Contract Bid Summary**

PROJECT #2110

**Clayton Road/Chestnut Avenue Traffic
Signal**

**Bid Opening:
Thursday,
December 3, 2009
2:00 p.m.**

City Council Conference Room

*Engineer's Estimate: \$263,500

To be awarded: January 26, 2010

COMPANY	TOTAL BID
1. Wingard Engineering, Inc. P.O. Box 99 Bethel Island, CA 94511	\$225,817.60
2. Richard A Heaps 8909 Florin Road Sacramento, CA 95829	\$239,707.60
3. Prism Engineering Inc. 630 Reed St. Santa Clara, CA 95050	\$241,484.00
4. Steiny and Company, Inc. 27 Sheridan Street Vallejo, CA 94590	\$247,022.00
5. Pacific Excavation Inc. 9796 Kent Street Elk Grove, CA 95624	\$249,340.00
6. St. Francis Electric P.O. Box 2057 San Leandro, CA 94577	\$257,415.00
7. WBE 90 Hill Road Novato, CA 94945	\$258,136.00
8. Mike Brown Electric Co. 561-A Mercantile Dr. Cotati, CA 94931	\$262,774.60

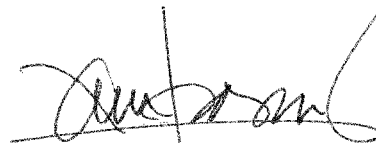
Attachment #3

COMPANY	TOTAL BID
9. Tennyson Electric, Inc. 7275 National Drive, #A2 Livermore, CA 94550-8868	\$269,568.00
10. MCH Electric, Inc. 31084 South Hwy 33 Tracy, CA 95304	\$274,292.20
11. Angelo Utilities 9190 Jackson Road Sacramento, CA 95826	\$318,538.00

Bids were opened on: Thursday, December 3, 2009 at 2:00 p.m.

It is recommended that a construction contract be awarded to Wingard Engineering, Inc. of Bethel Island as the lowest responsible bidder in the amount of \$225,817.60 for Project No. 2110, Clayton Road/Chestnut Avenue Traffic Signal.

Contact: Jeff Rogers x3108



CITY ENGINEER

*This is an adjusted Engineer's Estimate. The original Engineer's Estimate was \$295,000 which included costs for procurement of traffic signal poles. To expedite construction, staff bid out the traffic signal poles, mast arms and anchor bolts separately. The Engineers Estimate for the separate bid items was \$31,500. This amount was subtracted from the original estimate of \$295,000 to yield an adjusted Engineer's Estimate of \$263,500.