



BOARD OF SUPERVISORS
AGENDA LETTER

Agenda Number:

Clerk of the Board of Supervisors
105 E. Anapamu Street, Suite 407
Santa Barbara, CA 93101
(805) 568-2240

Department Name: Public Works
Department No.: 054
For Agenda Of: September 13, 2011
Placement: Administrative
Estimated Tme:
Continued Item: No
If Yes, date from:
Vote Required: Majority

TO: Board of Supervisors
FROM: Department Director Scott McGolpin, Director of Public Works, 568-3010
Contact Info: Dacé Morgan, Deputy Director, Transportation, 568-3064
SUBJECT: **Seismic Retrofit of the San Marcos Road Bridge No. 51C-002 at Maria Ygnacia Creek, Second Supervisorial District, Federal Project No. BRLSZD-5951(090), County Project No. 862275**

County Counsel Concurrence

As to form: Yes

Auditor-Controller Concurrence

As to form: Yes

Other Concurrence: Risk Management

As to form: Yes

Recommended Actions:

That the Board of Supervisors:

- A. Approve the plans and specifications for the Seismic Retrofit of San Marcos Road Bridge No. 51C-002 at Maria Ygnacia Creek in the Second Supervisorial District, County Project No. 862275;
- B. Award the construction contract in the amount of \$737,911.50 to the lowest responsible bidder, Brough Construction, Inc. (a Tri-County Vendor), 634 Prinz Road, Arroyo Grande, California 93420, subject to the provision of documents and certifications, as set forth in the plans and specifications applicable to the project, and as required under California Law;
- C. Approve and authorize the Chair to execute the construction contract upon return of the Contractor's executed contract documents, and the review and approval of County Counsel, Auditor-Controller, and Risk Management or their authorized representatives; and
- D. Approve a contingency fund of \$49,395.58 for the Seismic Retrofit of San Marcos Road Bridge No. 51C-002 at Maria Ygnacia Creek in the Second Supervisorial District, County Project No. 862275.

Summary Text:

On Thursday, August 18, 2011, six (6) bids were opened for the Seismic Retrofit of the San Marcos Road Bridge No. 51C-002 at Maria Ygnacia Creek, Second Supervisorial District, County Project No. 862275. Brough Construction, Inc. submitted the lowest responsive bid in the amount of \$737,911.50,

which was 13% over the Engineer's Estimate. The bids ranged from the low bid of \$737,911.50 to the high bid of \$998,435.30; the Engineer's Estimate was \$653,068.00. The lowest bid and second lowest bid were within 6.5% of each other.

Analysis of bids indicates unit costs are higher than for comparable work in less challenging construction areas. San Marcos Road has adjacent homes and driveways, underground utilities, large overhead trees, utility wires, and street lights, making it a challenging working environment. Access to the site, equipment positioning, maneuvering, staging, and storage is constrained by the location. Construction of the 50 foot deep cast-in-drilled-hole piles will require temporary casing to control groundwater. Significant traffic control, sound control, public notification, information signs, and schedule requirements that affect cost and work are required on this project to accommodate the needs of adjacent businesses and residents.

This project was bid in accordance with the Public Contract Code, which requires the award go to the lowest responsible bidder. The Department analyzed the bids received and determined that the low bid is responsive and low bidder is responsible. Public Works recommends awarding this contract to Brough Construction Inc.



San Marcos Road Bridge No. 51C-002, looking South

Background:

This project is located on San Marcos Road approximately 0.6 miles north of Cathedral Oaks Road. It consists of seismically retrofitting Bridge No. 51C-002 by reinforcing the supporting bents and girders, adding new steel elements to the existing steel cross braces, adding bolts and cable restrainers, and installing cast-in-drilled-hole piles. It is anticipated that all work will be confined to the existing structure and roadway footprint. The project is scheduled to begin in October and continue through January, 2012.

Traffic control measures are a result of public outreach and engineering refinement to balance the travel needs of the community with the need to provide safe work areas and operations to improve the long-term safety of the bridge. During most of the construction, the traffic will be handled by flaggers with 15 minute delays and one-way reversing traffic, or two travel lanes with reduced lane width depending on the phase of construction. The road will be temporarily closed for about 20 shifts from during critical construction activities such as pile construction. During road closures, traffic will be detoured onto Cathedral Oaks Road and Highway 154. The road closures will be necessary to provide adequate space

for heavy equipment, materials, and work activities on this narrow road. These closures will be between the hours of 9 AM and 6 PM Monday through Thursday, and 9 AM and 4 PM on Fridays. No closures will be allowed on weekends or for more than two consecutive days at one abutment. The road will be reopened to two travel lanes, at the end of each day.

A CEQA Exemption filing was approved by your Board on June 22, 2010 in conformance with CEQA Guidelines Section 15301(c).

Fiscal and Facilities Impacts:

Budgeted: Yes

Fiscal Analysis:

<u>Funding Sources</u>	<u>Current FY Cost:</u>	<u>Annualized On-going Cost:</u>	<u>Total One-Time Project Cost</u>
General Fund			
State			
Federal	\$ 697,002.96		\$ 697,002.96
Fees			
Other: Road Fund	\$90,304.12		\$ 90,304.12
Total	\$ 787,307.08		\$ 787,307.08

Narrative:

The total contract cost, including contingencies, is \$787,307.08. Of this total, \$697,002.96 (88.53%) is funded by the Federal Highways Administration (FHWA) and \$ 90,304.12 (11.47%) is funded by the State Proposition 1B- Seismic program. Project funds are budgeted in Dept. 054, Fund 0017, Org. 0600, Program 2810, Account 7510.

Staffing Impacts:

Legal Positions:

None

FTEs:

None

Special Instructions:

Please forward a certified, stamped Minute Order approving these recommendations to: Public Works Department, Transportation Division, Attn: Gena Valentine Felix. x3064

Attachments:

Draft copy of the Contract for Seismic Retrofit of San Marcos Road Bridge No. 51C-002 at Maria Ygnacia Creek in the Second Supervisorial District, County Project No. 862275, Federal Project No. BRLSZD-5951(090)

Authored By:

Constantino E. Garcia, P.E. Transportation Engineering, 568-3039
 Sarah Craig, P.E. Transportation Engineering, 568-3060

CC:

Project Files