



**BOARD OF SUPERVISORS**  
**AGENDA LETTER**  
**Clerk of the Board of Supervisors**  
105 E. Anapamu Street, Suite 407  
Santa Barbara, CA 93101  
(805) 568-2240

**Agenda Number:**

**Department Name:** Public Works  
**Department No.:** 054  
**For Agenda Of:** February 17, 2015  
**Placement:** Administrative  
**Estimated Tme:** N/A  
**Continued Item:** No  
**If Yes, date from:**  
**Vote Required:** Majority

---

**TO:** Board of Supervisors  
**FROM:** Department Director      Scott D. McGolpin, Public Works Director, 568-3010  
Contact Info:      Chris Sneddon, Deputy Director, Transportation 568-3064  
**SUBJECT:**      **Refugio Road Low Water Crossings No. 1 and No. 2 New Bridge Projects; Federal Projects BRLO-NBIL (529) and BRLO-NBIL (530); County Projects No. 862361 and 862362 ; Third Supervisorial District**

---

**County Counsel Concurrence**

As to form: Yes

**Other Concurrence:** Risk Management

As to form: Yes

**Auditor-Controller Concurrence**

As to form: Yes

**Recommended Actions:**

That the Board of Supervisors:

- A. Approve and authorize the Chair to execute the attached professional services contract with WEST Consultants, Inc. (not a local vendor) in the base amount of \$219,973.10 for Hydraulic and Hydrologic Engineering Studies and Fish Passage Services – Refugio Road Low Water Crossings over Refugio Creek, Third Supervisorial District, County Project Nos. 862361 and 862362; which has been reviewed and approved by County Counsel, Auditor-Controller and Risk Manager, or their authorized representative;
- B. Authorize the Director of Public Works to approve changes or additions to the professional services being performed under the professional service contract with WEST Consultants, Inc. in an amount not to exceed \$21,997.30; and
- C. Find that the proposed action is exempt from CEQA, pursuant to 14 CCR 15306, which consists of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource, and approve the filing of the attached Notice of Exemption on that basis.

### **Summary Text:**

On November 14, 2014, six (6) proposals were received for the Hydrology and Hydraulic Studies for Refugio Road Low Water Crossings No. 1 and 2, and Fish Passageway Improvement for Refugio Road Low Water Crossing No. 2. The proposals were evaluated by County Staff based on qualifications in accordance with Caltrans Local Assistance Procedures Manual Chapter 10, and staff has selected the most qualified consultant WEST Consultants, Inc. to perform the Professional Hydraulic Engineering and Design Services for the two low water crossings. The cost proposal submitted by WEST Consultants, Inc. (a firm located in San Diego, CA) was \$219,973.10 and is within 15% of the staff estimated consultant cost. Staff recommends awarding the contract to WEST Consultants, Inc. for a total amount of \$241,970.40 including a 10% contingency.

The two projects are funded separately under the Highway Bridge Program (HBP). This contract with WEST Consultants, Inc. combines Professional Hydraulic Engineering and Fish Passage Improvement Design Services for the two (2) low water crossings bridge construction projects into a single contract to improve contract administration efficiency and provide potential cost savings for the County. The consultant will track their time and invoice separately for each project number in accordance with Caltrans Accounting Procedures for Federally funded projects and the attached scopes of work and fee schedules.

The Hydrology and Hydraulics Studies are part of the preliminary engineering work and critical in the determination and development of the preferred alternatives for bridge structure components, bridge design, roadway geometric configurations, and fish passageway improvement.

### **Background:**

These two projects will replace the two existing low water crossings at Refugio Road Mile Post 0.30 and Mile Post 1.80 with new bridges and will construct a fish passageway improvement at Mile Post 1.80. These crossings are the first two in a series of six low water crossings traveling north from Highway 101 on the Southern side of Refugio Road. These existing low water crossings consist of corrugated metal pipes laid parallel to the creek flow line underneath the segment of concrete roadway. During storm events, debris and rocks clog the culverts and flows from the creek overtop the roadway, making it impassable to traffic. The road is then temporarily closed to public traffic until water subsides and the County crews are finished clearing the road. Also, most of the year, there is shallow water flowing over the roadway at Crossing No. 1 making the road slippery. In addition, Crossing No. 2 crosses a steep channel profile which poses an obstacle for steelhead trout migrating to spawn on the upper reaches of Refugio Creek. These crossings were identified by County staff as needing to be replaced with bridges and subsequently programmed in the HBP for funding.

The project will provide safer, year-round access to the ranches, local residences and businesses around the area; and construct fish passage improvement to the upper reach of Refugio Road. These two project locations have been fully funded under the HBP. The other four low water crossings have also been programmed for funding. Preliminary Engineering will begin on the remaining crossings in the near future. CEQA review for the construction portion of the project will be completed prior to project approval.



Figure 1 - View of Refugio Road Low Water Crossing No. 1, looking south (toward the ocean)



Figure 2 - View of Refugio Road Low Water Crossing No. 2, looking north (toward the mountains)

### **Fiscal and Facilities Impacts:**

Budgeted: Yes

### **Fiscal Analysis:**

<b><u>Funding Sources</u></b>	<b><u>Total One-Time Hydraulic Professional Services Cost</u></b>
Highway Bridge Program (HBP)	
Low Water Crossing No. 1	\$74,176.90
Low Water Crossing No. 2	\$167,793.50
Total	\$241,970.40

### **Narrative:**

The cost for Preliminary Engineering for these two projects is 100% funded by the HBP with toll credits. The funds are budgeted in Dept. 054, Fund 0017, Org. Unit 0600, Program 2830, and Account 7460.

### **Key Contract Risks :**

The two projects are funded separately under Highway Bridge Program (HBP). This contract with WEST Consultants, Inc. combines Professional Hydraulic Engineering and Fish Passage Improvement Design Services for the 2 (two) Low water crossings bridge construction projects into a single contract for ease of Staff coordination with the consultants, and potential cost savings for the County. The invoice will be broken down separately for each project number in accordance with Caltrans Accounting Procedures for Federally funded projects.

**Special Instructions:**

Please forward the following items to the Public Works Department, Transportation Division, Engineering Section office, 123 E. Anapamu Street, Santa Barbara, Attn: Gena Valentine Felix (Extension 3064):

- A certified, stamped Minute Order approving these recommendations
- Two original executed contracts (third original contract to remain on file with the Clerk of the Board)

**Attachments:**

1. Contract Summary
2. Agreement for Services of Independent Contractor (3 originals)
3. CEQA Notice of Exemption

**Authored by:**

Constantino Garcia, Hydraulics Coordinator, Public Works – Transportation Division, Engineering Section  
739-8797

**cc:**

Mark Paul, Public Works Deputy Director - Finance & Administration