



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: August 19, 2014
Placement: Administrative
Estimated Tme: N/A
Continued Item: Yes
If Yes, date from: July 8, 2014
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: Fernald Point Lane Bridge Replacement at Romero Creek (Existing Bridge No. 51C-137), First District, County Project No. 862330

County Counsel Concurrence

As to form: Yes

Auditor-Controller Concurrence

As to form: Yes

Other Concurrence: Risk Management

As to form: Yes

Recommended Actions:

- A) Approve and authorize the Chair to execute a professional services contract, with Drake Haglan & Associates (Not a local vendor), in the base amount of \$149,758.64 for roadway and structure design services of the Fernald Point Lane Bridge Replacement at Romero Creek (Existing Br. No. 51C-137) Project, First Supervisorial District, County Project No. 862330; which has been reviewed and approved by County Counsel, Auditor-Controller and Risk Manager, or their authorized representatives;
- B) Authorize the Director of Public Works to approve changes or additions to the professional services being performed under the professional service contract with Drake Haglan & Associates in an amount not to exceed \$14,975.00; and
- C) Find that the proposed action(s) do not constitute a project within the meaning of CEQA, pursuant to 14 CCR 15378(b)(5), Organizational or administrative activities of governments that will not result in direct or indirect physical changes in the environment, and approve the filing of a Notice of Exemption on that basis.

Summary Text:

This project includes replacement of the Fernald Point Lane Bridge (No. 51C-137) over Romero Creek in Montecito. Caltrans determined the bridge to be structurally deficient due to the presence of an alkali-silica reaction (ASR), a reactive aggregate in the concrete slab and both abutments. Caltrans recommended replacement of the bridge. Drake Haglan & Associates (not a local vendor) is currently working under a Master Service Agreement (MSA) contract to provide professional services to prepare

the design for the roadway and structure portion of this project. This action will increase our contracted amount with this firm.

The original design of a Cast-In-Drilled-Hole (CIDH) pile foundation was determined impractical due to access constraint issues during construction and the existing soil conditions which required larger than expected piles. Subsequently, the feasible alternative, use of a spread footing design, increased impacts to the creek with a larger footprint for the foundation. The professional service costs associated with the increased efforts are due to the complications with the initial design and the unanticipated design impacts of the alternative foundation system.

Pursuant to Government Code Section 25502.5 and County Code Section 2.42, the Purchasing Agent is only authorized to sign service contracts for up to \$100,000.00. Therefore it is requested that the Board approve and authorize the Chair to execute this Board contract, based on a revised Scope of Work from the vendor, to a not to exceed amount of \$164,733.64. Public Works recommends awarding this contract to Drake Haglan & Associates for \$164,733.64 to account for the increase in scope and fee of \$49,762.64 due to these foundation complications and the \$14,975.00 for contingencies.



Background:

In February 2012, the County executed a professional services contract within the Master Service Agreement (MSA) process with Drake Haglan & Associates for \$99,960 to prepare the Plans, Specification & Estimates for the Fernald Point Lane Bridge Replacement Project at Romero Creek.

The original conceptual design intent was to maintain the existing concrete lined channel in order to minimize the construction timeline and environmental impacts. The concept for this structure replacement was to span the existing concrete lined channel utilizing a structure supported by a Cast-In-Drilled-Hole (CIDH) pile foundation.

Since that time, the consultant has expended more effort than was originally anticipated to come to a feasible preliminary design. This was due to unforeseen subsurface conditions and hydraulic requirements to make provisions for future expansion of the structure and the 100-year flows within the existing channel.

The initial concept also required more design work than originally estimated because of the added coordination efforts with the adjacent property owners. The project's site is located at the terminus of

the Fernald Point Lane and is in close proximity to three private gated driveways, one of which provides the sole access to 15 parcels.

Public Works has applied for and received Highway Bridge Program (HBP) grant funding and is currently designing the replacement of this structurally deficient bridge. Your Board approved this project as part of the Capital Improvement Program (CIP) and is fully funded with Highway Bridge Program (HBP) funds.

Fiscal and Facilities Impacts:

Budgeted: Yes

Fiscal Analysis:

<u>Funding Sources</u>	<u>Previous FY Design Cost:</u>	<u>Design Services Current FY Cost:</u>	<u>Addenda Authority Current FY Cost</u>	<u>Total</u>
HBP	\$97,146.65	\$52,611.99	\$14,975.00	\$164,733.64

Narrative:

The recommended actions “A” and “B” authorize a total contract cost of \$164,733.64 (\$149,758.64 base contract +\$14,975.00 contingency). Of this amount, \$97,146.65 was expended in previous fiscal years. The balance of \$67,586.99 (\$52,611.99 + \$14,975.00) is funded in the current fiscal year in Dept. 054, Fund 0017, Org. 0600, Program 2820.

Special Instructions:

Please forward a certified, stamped Minute Order approving these recommendations and two copies of each of the executed documents to Gena Valentine Felix in the Public Works Department, Transportation Admin, at extension, 3064

Attachments:

- 1) Fernald Point Lane Bridge Replacement Professional Services Contract
 - a. Contract Summary Form
 - b. Contract (3 original)
- 2) CEQA Notice of Exemption

Authored by:

Ron Bensel, Project Manager, Public Works – Transportation Division, Engineering Section, 568-3311