



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 7, 2010
Placement: Administrative
Estimated Tme:
Continued Item: No
If Yes, date from:
Vote Required: Majority

TO: Board of Supervisors

FROM: Department Director Scott D. McGolpin, Public Works Department, 568-3010

Contact Info: Dacé B. Morgan, Deputy Director-Transportation, 568-3064

SUBJECT: Professional Services Agreement for Jalama Road Bridge No. 51C-013 Retrofit Engineering Work, Third Supervisorial District, County Project No. 863018

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 and authorize the Chair to execute a professional services Agreement with MGE Engineering Inc. (not a local vendor), Sacramento, California, for specialized retrofit engineering design work in the amount of \$124,265 for Jalama Road Bridge No. 51C-013, Third Supervisorial District, County Project No. 863018; and
- B. Authorize the Director of Public Works to approve amendments to the Agreement for supplemental work up to \$12,426.

Summary Text:

This professional services agreement is for specialized retrofit engineering design for the Jalama Road Bridge No. 51C-013 project. MGE Engineering Inc. (MGE) has satisfactorily completed the Alternatives Analysis and preliminary design for this bridge project. Staff has reached an agreement with MGE regarding the Detailed Design, which will include preparation of the final design plans, specifications, estimate, quantities, and structural calculations. The Scope of Work also includes project management, quality control, quality assurance, independent design check, and right-of-way acquisition support.



Jalama Road Bridge 51C-013 over Salsipuedes Creek

The amount of the Agreement is sufficient for completion of the Detailed Design phase and deliverables that are identified in the Scope of Work. However, it is possible that unanticipated tasks will arise that are beyond the Scope of Work. Staff recommends that the Board authorize the Director of Public Works to approve Agreement budget amendments for supplemental work that is beyond the scope of the proposed Agreement. The total sum of any amendments is limited to \$12,426. Board approval of this recommendation would expedite agreement amendments.

Background:

Bridge No. 51C-013 is located on Jalama Road, immediately adjacent to Highway 1, and spans 100 feet across Salsipuedes Creek. Jalama Road is the only public route that provides access to Jalama Beach County Park and approximately 40 square miles of ranch property.

Following a routine inspection, the California Department of Transportation classified the bridge as functionally obsolete. The Bridge Inspection Report states that the bridge is too narrow to meet current standards for the traveling public and it is eligible for replacement or retrofitting under the Federal Highway Bridge Program.

Initial studies found that replacing the bridge would require the County to build the new bridge at a different location in order to maintain vehicle access to this vital road. Further study showed that right-of-way and environmental concerns would make replacement at a different location challenging and prohibitively expensive. In the ensuing months, County Engineers met with Caltrans' Structures Division to discuss alternatives and devise a new strategy. Staff decided to explore three alternatives: 1) replace the bridge, in stages, in the current location; 2) replace the bridge in a different location; or 3) retrofit the existing bridge.

With a Purchase Order for \$70,000, the County retained MGE, a focused bridge engineering consulting firm, to do preliminary design work for a bridge replacement project. MGE prepared an alternatives

analysis and conceptual drawings. Based on the preliminary drawings and cost estimates for the three alternatives, staff determined that Alternative 3, retrofitting of the existing bridge by adding width to the existing structure, would be more cost effective than replacing the bridge.

MGE Engineers did an in-depth review of the existing conditions at the project site. As a result, MGE has extensive knowledge of the traffic and structure conditions pertinent to Jalama Road Bridge No. 51C-013. MGE Engineering Inc. is not on the Public Works Department 2007-2010 Master Services Agreement (MSA) list; however, the firm has been included on the MSA list in the recent past. MGE Engineering also has extensive experience with the requirements for federally funded Highway Bridge Project (HBP) work such as this. As part of the Preliminary Engineering phase, MGE prepared draft plans and completed engineering structural calculations. Most of this work would have to be re-done if the County were to select a different engineering firm to perform the Detailed Design phase of the project. The Detailed Design phase will include collecting additional field and background data, providing information for right-of-way and environmental work, completing the structural engineering design, and preparing final plans, specifications, and estimate for bidding the project.

The Public Works Department recommends that the Board execute an Agreement with MGE Engineering Inc. in the amount of \$124,265 for the Detailed Design of this project. MGE has performed a significant amount of preliminary work to date, and they are one of a limited number of firms in California with the retrofit engineering skills that are necessary for this project. Preliminary Engineering was completed with a \$70,000 Purchase Order. A Board Agreement is necessary for the Detailed Design because the Purchasing Agent is only authorized to sign Service Contracts up to \$100,000, pursuant to Government Code Section 25502.5 and County Code Section 2.42. Public Works is requesting the Board's approval of this professional services Agreement with MGE for \$124,265, for the Detailed Design phase, and an additional \$12,426 in supplemental work, if it becomes necessary, for a total of \$136,691.

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 - HBP			\$ 109,352.80
Other - Measure A			\$ 27,338.20
Total	\$ -	\$ -	\$ 136,691.00

Narrative:

If the Board approves this Agreement, Measure A will fund 20% of the professional services work (\$27,338.20). The Federal Highway Bridge Program (HBP), administered by Caltrans, will reimburse the County for the remaining 80% (\$109,352.80). Current year fiscal costs are budgeted in Department 054, Fund 0017, Org. Unit 0600, Program 2820, and Account 7460.

The Board approved this project as part of the Five Year Capital Improvement Program 2010-2015 (CIP), as shown on Page B-105.

Staffing Impacts:

Legal Positions:

None

FTEs:

None

Special Instructions:

Please execute three original "Agreement for Services of Independent Contractor". Please retain one (1) original agreement for Clerk of the Board records, and return the other two (2) original agreements and a certified, stamped minute order approving this action to the Public Works Transportation Division, attention Beverly Cross, 568-3094.

Attachments:

Original "Agreement for Services of Independent Contractor" for MGE Engineering Inc., three (3) copies

Authored by:

Chris Sneddon, Public Works Transportation Division, 568-3047

Sarah Craig, Public Works Transportation Division, 568-3060

cc:

Mark Paul, Public Works Deputy Director - Finance & Administration