



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:** General Services  
**Department No.:** 063  
**For Agenda Of:** December 12, 2017  
**Placement:** Administrative  
**Estimated Tme:** NA  
**Continued Item:** No  
**If Yes, date from:**  
**Vote Required:** Majority

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**TO:** Board of Supervisors  
**FROM:** General Services      Janette D. Pell, Director (805) 560-1011  
          Contact Info:            Thomas Gresham, Assistant Director (805) 568-2606  
**SUBJECT:** Professional Services Agreement with Federal Engineering, Inc. for Services  
                  Associated with Public Safety Radio System Replacement Project; All Districts

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**County Counsel Concurrence**

As to form: Yes

**Other Concurrences: Sheriff's Office and Fire Department**

As to form: Yes

**Recommended Actions:**

That the Board of Supervisors:

- a) Approve and authorize the Chair to execute the attached Professional Services Agreement (PSA) with Federal Engineering, Inc. (hereafter "Federal Engineering") for consulting services associated with the Public Safety Radio System Replacement Project in the amount of \$231,381.00;
- b) Approve and authorize the Director of General Services to issue amendments to the above agreement in an amount not to exceed \$23,138.10 for a total not to exceed of \$254,519.10; and
- c) Find that the proposed actions are not a project under the California Environmental Quality Act (CEQA) pursuant to sections 15378(b)(5) of the CEQA Guidelines, because they consist of administrative activities of government that will not result in direct or indirect physical changes in the environment, and direct staff to file of a Notice of Exemption on that basis.

**Summary Text:**

This item is being presented to the Board in order to enter into a contract with Federal Engineering, Inc. to assist the County in developing a plan to replace the Public Safety Radio System as it is nearing end-of-life. The replacement system must meet public safety standards for performance and reliability and provide radio communications for the next 10 to 20 years. The County will consider consolidating

systems where it can provide efficiencies and reduce operating costs. Federal Engineering is a leading specialist in public safety mobile radio consulting having successfully completed over a thousand communications projects.

**Background:**

The County of Santa Barbara has a diverse radio communications environment, with several different land mobile radio systems deployed to meet specific operational needs of County departments. These systems are in different stages of their lifecycle, and each has varying technologies and capabilities.

As the Public Safety Radio System nears its end-of-life, the County needs a consultant that specializes in planning, designing, and implementing state-of-the-art communication systems. General Services conducted a Request for Proposal competitive process for these services. The review committee made the recommendation for the award to Federal Engineering as they demonstrated in-depth knowledge of public safety mobile radio communications. The term of the Agreement will be from November 20, 2017 through June 30, 2018.

Federal Engineering's contract states they are to assess the current radio communications environment as well as define the County's future operational requirements for all users of the Microwave and Simulcast Systems. The contractor will help the County in identifying new technologies and capabilities in the industry that will solve operational deficiencies that exist in the current systems.

The project contains two phases. The first phase will provide the County with: a detailed inventory of the radio network subsystems, details from department and stakeholders' interviews, a comprehensive needs assessment and requirement definition report, a radio site assessment for all 29 existing sites, and system usage and loading reports. This phase is expected to take approximately 16 weeks.

Phase two will be the County stakeholders and Federal Engineering, jointly, developing a preliminary plan for the Public Safety Radio System Replacement Project. Federal Engineering will provide options for a cutover plan, that best address the needs and issues discovered in Phase 1. The contractor should include options considering technology, regulatory and interoperability issues that are inherent to the project. A regional solution as well as considering existing County investments, including radio communications sites, infrastructure, and radios that can be leveraged in the new system. Deliverables from this phase will include system and site drawings and coverage maps, migration/implementation plans and theoretical cutover plan, project schedule, itemized system costs, staffing recommendations and project budget, and systems alternatives analysis, conceptual design and recommendations report.

At the end of Phase 2, the County will understand the costs for replacing the end-of-life Public Safety Radio System and will have the information needed to determine next steps.

**Performance Measure:**

The Professional Services Agreement identifies milestones and deliverables the Consultant must achieve in order to receive payment based on percentage of completion of tasks.

**CEQA:**

The proposed administrative actions do not constitute a project within the meaning of the California Environmental Quality Act (CEQA) pursuant to 14 CCR 15378(b)(5). Projects identified in the implementation plan will be analyzed individually under CEQA.

**Fiscal and Facilities Impacts:**

Budgeted: Yes

**Fiscal Analysis:**

<b><u>Funding Sources</u></b>	<b><u>Current FY Cost:</u></b>	<b><u>Annualized On-going Cost:</u></b>	<b><u>Total One-Time Project Cost</u></b>
Project	\$ 231,381.00		\$ 231,381.00
Contingency	\$ 23,138.10		\$ 23,138.10
Total (Fund 1919)	\$ 254,519.10	\$ -	\$ 254,519.10

**Narrative:** The project will be funded by Fund 1919 Communication Services Internal Service Fund, Capital Assets, and is not to exceed \$254,519.10. The funding has accumulated from depreciation collected for the radio system. Since this fund is an ISF, the funding indirectly includes General Fund sources.

**Key Contract Risks:**

N/A

**Staffing Impacts:**

None

**Special Instructions:**

Provide two (2) duplicate originals of the PSA and a Minute Order to Carl Thornton, Communications Manager, General Services Department.

**Attachments:**

1. Professional Services Agreements with Federal Engineering, Inc. (1 Original; 1 Duplicate Original)
2. Notice of Exemption

**Authored by:**

Carl Thornton, Communications Manager, General Services Department