

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. If approved, the Amendment will extend the term of the Agreement will be from December 20, 2017 through December 31, 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:

<u>Funding Sources</u>	<u>Project</u>	<u>Contingency</u>	<u>Total One-Time Project Cost</u>
Fund 1919 - Communications	\$ 231,381.00	\$ 23,138.10	\$ 254,519.10
Total	\$ 231,381.00	\$ 23,138.10	\$ 254,519.10

Narrative:

The amendment has no impact on the original not to exceed contracted amount of \$254,519.10.

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. Amendment to the Professional Services Agreement with Federal Engineering, Inc.
(Board Contract 18-174)
2. Three duplicate originals Professional Services Agreements with Federal Engineering, Inc.

Authored by:

Carl Thornton, Communications Manager, General Services Department