



Agenda Item No. \_\_\_\_\_

File Code No. 560.04

# CITY OF SANTA BARBARA

## COUNCIL AGENDA REPORT

**AGENDA DATE:** March 10, 2009

**TO:** Mayor and Councilmembers

**FROM:** Engineering Division, Public Works Department

**SUBJECT:** Contract For Design For The Santa Barbara Airport Water Distribution System Upgrade To Improve System Redundancy In Southern Area

### RECOMMENDATION:

That Council authorize the Public Works Director to execute a contract with Penfield & Smith Engineers, Incorporated (Penfield & Smith), in the amount of \$30,440 for design services for the Santa Barbara Airport Water Distribution System Upgrade project, and authorize the Public Works Director to approve expenditures of up to \$3,040 for extra services of Penfield & Smith that may result from necessary changes in the scope of work.

### DISCUSSION:

#### BACKGROUND

On January 29, 2008, City Council approved Preliminary Design Contract No. 22,654 with Penfield & Smith in the amount of \$55,760. Penfield & Smith has completed the preliminary design and it has been reviewed and approved by the City's Development Application Review Team, as well as by the Planning Commission.

#### PROJECT DESCRIPTION

Water distribution systems typically involve a series of pipelines that are networked together to provide a "looped" system. This type of network system allows for any particular point within the network to be fed from multiple locations. This redundancy is advantageous since fire hydrant flows are improved, and service reliability is increased.

The southern area of the Airport's water distribution system is served by a single 7,000 foot long waterline. The single feed configuration limits service reliability and does not optimize fire hydrant flows. This project would install a secondary waterline feed to the southern area of the Airport's water distribution system, and improve fire flows and system reliability. The new water line will be installed inside the airfield operations area fence on the east side of the airfield, running from near the Signature Aviation fixed

base operator, to an area near the new terminal. It will provide a redundant feed to the terminal area. The total project cost is estimated to be \$1,500,882.

**DESIGN PHASE CONSULTANT ENGINEERING SERVICES**

Staff recommends that Council authorize the Public Works Director to execute a contract with Penfield & Smith in the amount of \$30,400 for final design for upgrades to the Airport's water distribution system. Penfield & Smith is one of the participants in the City's Three-year Prequalified Engineering Services Program and is experienced in this type of work.

**FUNDING**

The following summarizes all estimated total project costs:

**ESTIMATED TOTAL PROJECT COST**

Design (by Contract)	\$86,200
Other Design Costs - City staff (if contract), Environmental (Assessments, etc.)	\$20,000
<b>Subtotal</b>	<b>\$106,200</b>
Estimated Construction Contract w/Change Order Allowance	\$1,244,622
Estimated Construction Management/Inspection/Testing	\$150,000
<b>Subtotal</b>	<b>\$1,394,622</b>
<b>TOTAL PROJECT COST</b>	<b>\$1,500,822</b>

Funding for this project includes approximately \$950,000 that is already appropriated in the Airport Capital Fund and the balance (\$550,000) will be funded from the Airline Terminal Bond Issue. There are sufficient funds in the Airport Capital Fund to cover this contract.

**PREPARED BY:** Owen Thomas, Principal Civil Engineer/LR/sk

**SUBMITTED BY:** Christine F. Andersen, Public Works Director

**APPROVED BY:** City Administrator's Office