



City of San Antonio

Agenda Memorandum

File Number: 13-1022

Agenda Item Number: 10.

Agenda Date: 12/5/2013

In Control: City Council A Session

DEPARTMENT: Finance

DEPARTMENT HEAD: Troy Elliott

COUNCIL DISTRICTS IMPACTED: Citywide

SUBJECT:

Amendment to the Public Works San Antonio River Walk - Storm Water Distributed Control System (DCS) ADVANTAGE Upgrade Project

SUMMARY:

An Amendment to the existing contract with Invensys Operations Management to add the River Loop Option in the amount of \$71,930.00. Funding is available from the Department of Public Works FY 2014 Storm Water Operating Budget.

BACKGROUND INFORMATION:

On June 20, 2013 City Council approved the Public Works San Antonio River Walk Storm Water DCS Advantage Upgrade Project with Invensys Operations Management in the amount of \$808,104.00. This upgrade allowed for automation of the communication system for the San Antonio Tunnel System through City Ordinance 2013-06-20-0426.

Approval of this amendment for the River Loop Option will replace the existing hardware located at the Library Gate 4 location. Also, this upgrade will replace existing cabling with a fiber optic communication link between the Library Gate 4 location and the San Antonio River Marina facility. In addition, various level measurement instrumentation will be verified, tested and re-calibrated.

The existing Automated Flood Monitoring Control System was installed in 1998 when the Flood Control Tunnels (both the San Antonio River and the San Pedro Creek Tunnels) were built by the San Antonio River Authority and the U.S. Army Corps of Engineers and turned over to the City of San Antonio. The Automated

Flood Gate Control System has become obsolete and is no longer supported by Invensys Operations Management, the original vendor, due to the age of the system. A Request for Offer (RFO) for the system upgrade was solicited from Invensys Operations Management to upgrade and provide maintenance to the existing communications system at the San Antonio Tunnel System, San Pedro Tunnel System, Olmos Dam and the Marina facility.

ISSUE:

Staff recommends approval of this amendment to ensure that the enclosures and modules at Library Gate 4 and the River Marina facility remain operational. Lack of approval of this amendment could require that the enclosures and modules at these flood control facilities (both the San Antonio River and the San Pedro Creek Tunnels as well as Olmos Dam) be monitored at times of inclement weather to ensure the equipment is in service. This system is proprietary and changing to another system would require major re-vamping (both mechanical and electronic) of the current system which is not cost effective. The cost of replacement of the existing system is estimated at \$3 million. With this upgrade all of the major electronic/computer components of this system which are out-dated will be upgraded.

This Contract is exempt from competitive bidding and is excluded from the scope of the SBEDA program as well as the Local Preference Program.

ALTERNATIVES:

Should this amendment not be approved, the Department of Public Works would be required to continue utilization of the existing system until it malfunctions. The existing system is no longer supported by the manufacturer therefore, should the system fail, staff will be required to operate the controls manually, potentially causing a delay in response time necessary to mobilize staff during non-work hours. Thus, the City's ability to respond to potential flood conditions could negatively impact San Antonio residents and property.

FISCAL IMPACT:

This amendment will increase total cost of the Department of Public Works San Antonio River Walk Distributed Control System by \$71,930.00. This purchase is funded through the Department of Public Works FY 2014 Storm Water Operating Budget.

RECOMMENDATION:

Staff recommends the approval of this amendment from Invensys Operations Management for a total cost of \$71,930.00. This contract is procured by means of a sole source exemption and a Contract Disclosure form is not required.