

TO: James L. App, City Manager
FROM: Doug Monn, Interim Public Works Director
SUBJECT: Award Construction Contract to Upgrade the Supervisory Control and Data Acquisition (SCADA) Telemetry System of the City's Sewer Lift Stations
DATE: June 21, 2005

NEEDS: For the City Council to consider adoption of Resolution No. 05-xx awarding a construction contract to upgrade the SCADA Telemetry System of the City's sewer lift stations.

FACTS:

1. The City's existing SCADA system serving its 14 sewer lift stations was installed in the 1980s. Continuing changes in technology have caused the system to become unserviceable and obsolete. Additionally, the company that provided the software to manage the system is no longer in business. Consequently, there is no technical support available.
2. A Request for Proposal (RFP) was issued to provide design services to upgrade the system. Eight firms responded.
3. In January 2004, the City Council authorized staff to enter into a contract with JSP Automation to assist the City in developing specifications for upgrading the SCADA Telemetry System.

**ANALYSIS
AND**

CONCLUSION: Construction documents were completed and the City advertised for bids. At the Bid Opening on March 3, 2005, the City received three (3) bids ranging from \$403,100 to \$591,156. Staff reviewed the low bid submitted by Prousys, Inc. in the amount of \$403,100 and found it to be a responsive bid.

POLICY

REFERENCE: Adopted Sewer Master Plan

FISCAL

IMPACT: The City Council recently adopted a Capital Improvement Budget in which this project was included in the amount of \$550,000.

OPTIONS:

- a. Adopt Resolution No. 05-xx authorizing staff to award a contract to Prousys, Inc. in the amount of \$403,100 to upgrade the SCADA Telemetry System of the City's sewer lift stations.
- b. Amend, modify, or reject the above option.

Attachment (2)

- 1) Resolution
- 2) Bid Summary

RESOLUTION NO. 05-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
AWARDING A CONTRACT TO UPGRADE THE SUPERVISORY CONTROL AND DATA
ACQUISITION (SCADA) TELEMETRY SYSTEM OF THE CITY'S SEWER LIFT STATIONS

WHEREAS, the City's existing Supervisory Control and Data Acquisition (SCADA) Telemetry System was installed in the 1980s, and is now obsolete and has no technical support available; and

WHEREAS, in January 2004, City Council authorized a contract with JSP Automation to provide design services to upgrade the system; and

WHEREAS, construction documents were completed and the City advertised for bids; and

WHEREAS, at the Bid Opening on March 3, 2005, three (3) bids were received ranging from \$403,100 to \$591,156; and

WHEREAS, the low bid submitted by Prousys, Inc. of Bakersfield in the amount of \$403,100 was reviewed and found to be a responsive bid; and

WHEREAS, costs for this project are included in the adopted Capital Improvement Budget.

THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. The City Council of the City of Paso Robles does hereby award the contract to Prousys, Inc. of Bakersfield in the amount of \$403,100 to upgrade the SCADA Telemetry System of the City's sewer lift stations.

SECTION 2. The City Council of the City of Paso Robles does hereby authorize the City Manager to enter into a contract with Prousys, Inc. in the amount of \$403,100.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 21st day of June 2005 by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

Frank R. Mecham, Mayor

ATTEST:

Sharilyn M. Ryan, Deputy City Clerk

Wastewater Collection, SCADA System Upgrade ~ DPW Project No. 03-14

			Prousys Inc. Bakersfield, CA		Lee Wilson Electric Arroyo Grande		DMS Electric Santa Maria	
ITEM	DESCRIPTION	UNIT		PRICE		PRICE		PRICE
1.	Mobilization (not to exceed 5% of Contract Bid Amount)	Lump Sum		20,000.00		3,800.00		17,479.00
2.	Wastewater Treatment Plant Furnish, install and commission the SCADA system equipment, radio and antenna system, computer hardware, communications equipment and master PLC equipment			90,000.00		86,100.00		101,568.00
3.	RTU Installation The contractor shall furnish, install and commission ready for use the RTU control systems. Furnish and install radio system equipment, CSP supplied equipment, antenna system and all associated materials for a complete RTU installation. Modify existing control systems as indicated and required to			57,500.00		94,870.00		165,921.00
	A. Lift Station No. 1		5,500.00		9,080.00		14,363.00	
	B. Lift Station No. 2		4,500.00		10,050.00		14,120.00	
	C. Lift Station No. 3		4,000.00		5,500.00		8,379.00	
	D. Lift Station No. 4		5,000.00		6,220.00		14,974.00	
	E. Lift Station No. 5		5,500.00		6,220.00		14,974.00	
	F. Lift Station No. 6		5,500.00		6,220.00		14,974.00	
	G. Lift Station No. 7		2,500.00		2,950.00		5,753.00	
	H. Lift Station No. 8		3,000.00		5,500.00		9,037.00	
	I. Lift Station No. 9		2,500.00		2,950.00		5,753.00	
	J. Lift Station No. 10		5,000.00		10,050.00		15,741.00	
	K. Lift Station No. 11		3,000.00		9,080.00		11,404.00	
	L. Lift Station No. 12		4,000.00		10,050.00		19,691.00	
	M. Lift Station No. 13		3,500.00		5,500.00		8,379.00	
	N. Lift Station No. 14		4,000.00		5,500.00		8,379.00	
4.	Storage Reservoir Furnish and install radio system equipment, Antenna system and all associated materials for a complete omni-directional antenna system installation. Modify existing radio repeater system as required to interface with omni-directional antenna supplied on the tank.			15,000.00		15,800.00		23,416.00

Wastewater Collection, SCADA System Upgrade ~ DPW Project No. 03-14

			Prousys Inc. Bakersfield, CA	Lee Wilson Electric Arroyo Grande	DMS Electric Santa Maria
ITEM	DESCRIPTION	UNIT	PRICE	PRICE	PRICE
5.	Project Implementation Project implementation and execution to include factory testing materials and services for set-up and execution of factory test, services for pre-commissioning, control system switchover, operational testing, final acceptance, training and final documentation.		40,000.00	75,800.00	97,804.00
6.	Additional Technical Services Technical Services defined during the course of the contract to provide for an additional installation and technical services assistance. Services to be provided on a task basis.		7,600.00	11,600.00	11,968.00
7.	Material and Labor Allotment Material allotment to include materials and labor for the installation and modification of additional items to be addressed during the course of construction.		5,000.00	5,000.00	5,000.00
8.	Control System Provider Control System Provider (CSP) furnished equipment, materials and services. Reference Appendix A for CSP supplied services.		168,000.00	168,000.00	168,000.00
	BID TOTALS		403,100.00	460,970.00	591,156.00