



City of Grand Island

Tuesday, June 22, 2010

Council Session

Item G8

**#2010-165 - Approving Certificate of Final Completion for
Installation of Supervisory Control And Data Acquisition
(SCADA) System, Project No. WW050**

Staff Contact: Steven P. Riehle, Public Works Director

Council Agenda Memo

From: Steven P. Riehle, Public Works Director

Meeting: June 22, 2010

Subject: Approving Certificate of Final Completion for
Installation of Supervisory Control And Data Acquisition
(SCADA) System, Project No. WW050

Item #'s: G-8

Presenter(s): Steven P. Riehle, Public Works Director

Background

The project "Installation of Supervisory Control And Data Acquisition (SCADA) System" Project No. WW050 was awarded to IES Industrial Inc. of Grand Island, Nebraska, on August 11, 2009. Work commenced on October 1, 2009 and was completed on June 2, 2010.

The intent of the SCADA system is to reduce the number of required physical inspections, receive timely alerts indicating system problems, receive and record valuable system information, and better track performance and serviceability of equipment.

The project replaces an existing SCADA System that was installed in the 1995 aeration basin plant expansion. The system installation was comprised of both hardware and software, with communication, electrical, and instrumentation upgrades. SCADA is the most recognized automation tool in the industry for managing the monitoring, alarming, and control of remote equipment and processes.

Discussion

The engineer for the project, Huffman Engineering, has reviewed the completed work and has issued a certificate of substantial completion in accordance with the terms, conditions, and stipulations of the contract, the plans, and the specifications.

The project was completed at a total cost of \$436,785.94.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

Public Works Administration recommends that the Council approve the Certificate of Final Completion for the Installation of Supervisory Control And Data Acquisition (SCADA) System, Project No. WW050.

Sample Motion

Move to approve the Certificate of Final Completion for the SCADA project.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

INSTALLATION OF SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)
SYSTEM, PROJECT NO. WW050
CITY OF GRAND ISLAND, NEBRASKA
June 02, 2010

TO THE MEMBERS OF THE COUNCIL
CITY OF GRAND ISLAND
GRAND ISLAND, NEBRASKA

This is to certify that INSTALLATION OF SUPERVISORY CONTROL DATA ACQUISITION (SCADA) SYSTEM, PROJECT NO. WW050, has been fully completed by IES Industrial Inc., of Grand Island, Nebraska under contract dated October 01, 2009. The work was completed in accordance with the terms, conditions, and stipulations of said contract and complies with the contract, the plans, and the specifications. The work is hereby accepted for the City of Grand Island, Nebraska, by me as City Engineer / Public Works Director in accordance with the provisions of Section 16-650 R.R.S., 1943.

It is further certified that the improvements as constructed include the following items and costs and that this certificate shall constitute the Final Payment for this work.

INSTALLATION OF SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)
SYSTEM **Project No. WW050 is located at Waste Water Treatment Plant.**

Base Bid	\$	379,890.00
Alternate A; HMI System Server Computers, HMI System Database Computers, LCD Flat Panel Monitors, Computer Accessories, and Spare Computers	\$	16,429.00
Alternate B; Programming/Development Laptop Computer	\$	1,209.00
Alternate C; HMI Software, PLC Programming Software, Alarming Software and Modems	\$	36,241.00
SUBTOTAL CONSTRUCTION CONTRACT COST		\$ 433,769.00

SUMMARY OF OTHER COSTS

Item No.	Description	Unit Price
1	GI Daily Independent - Advertising	\$ 46.94
2	Building Department – Plan Review	\$ 50.00
3	Kriz Davis – Panel Protective Covers	\$ 2,920.00
SUBTOTAL OTHER COSTS		\$ 3,016.94

**GRAND TOTAL COST OF INSTALLATION OF SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) SYSTEM, PROJECT NO. \$ 436,785.94
WW050**

June 22, 2010

TO THE MEMBERS OF THE COUNCIL
CITY OF GRAND ISLAND
GRAND ISLAND, NEBRASKA

I hereby recommend that the Engineer's Certificate of Final Completion for INSTALLATION OF
SUPERVISORY CONTROL DATA ACQUISITION (SCADA) SYSTEM be approved

Respectfully submitted,

Respectfully submitted,

Steven P. Riehle, P.E.
Public Works Director

Margaret Hornady
Mayor

RESOLUTION 2010-165

WHEREAS, the City Engineer/Public Works Director for the City of Grand Island issued a Certificate of Substantial and Final Completion for the Installation of Supervisory Control And Data Acquisition (SCADA) System, Project No. WW050 certifying that IES Industrial Inc., of Grand Island, Nebraska, completed such project according to the terms, conditions, and stipulations of the contract, plans and specifications for such improvements; and

WHEREAS, the City Engineer/Public Works Director recommends the acceptance of the Engineer's certificate of substantial and final completion; and

WHEREAS, the Mayor concurs with the recommendation of the City Engineer/Public Works Director.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Certificate of Substantial and Final Completion for the Installation of Supervisory Control And Data Acquisition (SCADA) System Project No. WW050 is hereby confirmed.

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Adopted by the City Council of the City of Grand Island, Nebraska, June 22, 2010.

Margaret Hornady, Mayor

Attest:

RaNae Edwards, City Clerk