

December 3, 2015

Dr. Brant Keller
City of Griffin
100 South Hill Street
Griffin, GA 30223

RE: Flint River Pump Station Relocation
MR Systems Quote

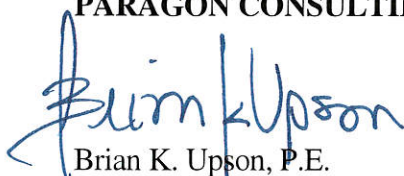
Dear Brant:

The most recent quote for the SCADA system at the Flint River Pump Station project is attached. Please contract with MR Systems as soon as possible so they can begin coordination with P.F. Moon.

Please contact me if you have any questions regarding this matter.

Sincerely,

PARAGON CONSULTING GROUP, INC.



Brian K. Upson, P.E.
Principal
bku/jbg

Attachments: MR Systems Quote

Customer: City of Griffin
 Project: Flint River Pump Station Relocation
 MR Quote #:Q14-2759 R0



December 19, 2014

Bill of Materials and Labor

Qty	Tag/Loop	Description	Unit Price	Price
1		Flint River Pump Station SCADA Control Panel Nema 12 Freestanding Enclosure Ethernet based PLC with I/O as required Panel UPS Digital I/O Surge Protection: Interposing Relays included Analog I/O Surge Protection: MR Systems' Kamikaze II Telemetry Radio Ethernet Switch LED Panel Light AC Utility Power Outlet: GFI Outlet included Panel Door Intrusion Switch: Included	\$ 51,469	\$ 51,469
1		Antenna Pole and Accessories 60 ft. Wood Pole, Delivered and Installed	\$ 1,466	\$ 1,466
1		MR Systems will supply and install the Antenna Pole, Mast, Antenna, Surge Arrestion and coaxial cable.	\$ 817	\$ 817
		<i>The contractor shall provide conduit and grounding and is not included within MR Systems Scope</i>		
		Pressure Transducers		
1		Pump #1 Discharge Pressure	\$ 468	\$ 468
1		Pump #3 Discharge Pressure	\$ 468	\$ 468
1		Pump #4 Discharge Pressure	\$ 468	\$ 468
1		Pump #5 Discharge Pressure	\$ 468	\$ 468
1		Pump #7 Discharge Pressure	\$ 468	\$ 468
1		Pump #8 Discharge Pressure	\$ 468	\$ 468
		Turbidimeter		
1		Intake Turbidimeter (sun shield)	\$ 654	\$ 654
1		Includes Sunshield and field Surge protection	\$ 5,822	\$ 5,822
1		2978500 (Surface Scatter 7) sc200 Universal Controller	\$ 2,138	\$ 2,138
1		Diversion Valve Pit SCADA Control Panel Nema 4X Wall Mounted Enclosure Ethernet based PLC with I/O as required Panel UPS Digital I/O Surge Protection: Interposing Relays included Analog I/O Surge Protection: MR Systems' Kamikaze II Telemetry Radio Panel Door Intrusion Switch: Included	\$ 4,060	\$ 4,060
1		Antenna Pole and Accessories 60 ft. Wood Pole, Delivered and Installed	\$ 1,466	\$ 1,466
1		MR Systems will supply and install the Antenna Pole, Mast, Antenna, Surge Arrestion and coaxial cable.	\$ 817	\$ 817
		<i>The contractor shall provide conduit and grounding and is not included within MR Systems Scope</i>		
		Not Included: Venturi and Flow Transmitters Septic Tank "Lift Station Control Panel" Emergency Shower/Eyewash		

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Qty	Tag/Loop	Description	Unit Price	Price
		MCC's of VFDs Local Disconnects or Starter Panels Lighting Controller Solenoid Valves		
Project Labor				
One Lot		Project Engineering, Electrical Design, Mechanical Design, Drafting, and other miscellaneous Administrative Labor (including Travel & Living expenses) as required to perform final system design and to prepare Submittals and Record Drawings as required by the Contract Documents.	\$	15,946
One Lot		HMI Software Applications Development and Graphics Design Labor (including Travel & Living expenses) as required by the Contract Documents.	\$	5,627
One Lot		PLC Control Strategy Design & Programming Labor (including Travel & Living expenses) to be performed as required by the Contract Documents.	\$	5,001
One Lot		Field Service (including Travel & Living expenses) to provide installation supervision calibrations, startup, training, etc. as required by the Contract Documents.	\$	10,530
N/A		Electrical Installation or Terminations (including Travel & Living expenses) to provide installation of conduit, wire, etc. as required by the Contract Documents.		
1 Year		Onsite Comprehensive Warranty (including Travel & Living expenses)	\$	2,089
One Lot		Freight	\$	92
Subtotal of Labor and Materials:			\$	110,804
State Sales Tax - NOT INCLUDED:				
Total Project Cost:			\$	110,804

General Notes:

A * Sales Representation *

Mr. Dan Carter and Mr. Scott Cockrell of Eco-Tech, Inc. in Canton, GA, are our local sales representatives and will contact you prior to the bid with pricing. Dan Carter may be reached at 678-880-1222 (Office) or 404-822-3313 (Cell). Scott Cockrell may be reached at 678-880-1203 (Office) or 678-251-6178 (Cell).

B * Installation of Conduit and Wire *

This quotation DOES NOT INCLUDE the supply or physical installation of conduit or wire unless specifically noted above.

C * Equipment Installation *

This quotation DOES NOT INCLUDE physical installation of field instruments, pipe, tubing, fittings, isolation valves, instrument stands, instrument mounts, control panels, antennas, masts, wooden poles, or other devices or other equipment unless specifically noted above.

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D		* Wiring Terminations * This quotation INCLUDES the termination of field wiring to field instruments, control panels, RTU panels, and/or other devices supplied under this scope of supply. Terminations of wiring to equipment supplied by Others are excluded unless specifically noted above.		
E		* Fiber Optics Cable * This quotation DOES NOT INCLUDE the supply or physical installation of Fiber Optic Cable.		
F		* Fiber Optic Cable Termination * This quotation DOES NOT INCLUDE termination or testing of fiber optics cable.		
G		* Coaxial Cable Installation * This quotation INCLUDES the supply and physical installation of coaxial cable and ancillary components as specifically noted above.		
H		* Installation of Communications Towers or Poles * This quotation INCLUDES the supply and physical installation of Communication Towers or Poles as specifically identified above.		
I		* Contractor License Information * MR Systems' Georgia Electrical Contractors License Number is EN214384 (Non-Restricted).		
J		* Terms and Conditions * MR Systems, Inc. General Terms & Conditions of Sale apply to any order resulting from this quotation. Please refer to the link provided below for a copy of our General Terms and Conditions of Sale. http://www.mrsystems.com/potermis/		

Revision Notes:

Rev. 0 First Issue - 2014-07-XX - THH