



## System Controls & Instrumentation, Ltd

5404 FM 1044, Texas 78130 Ph. 830-420-3392, Fax 830-420-3395

June 11, 2015

To: City of Seguin  
Attention: Emery  
Reference: Plant SCADA, System PLC's and Backhaul Radio Upgrade

Emery,

SCI is pleased to offer this proposal for the work associated with the referenced project as described hereafter.

### Design Proposal - Consists of the following:

- Design of Drawings and Equipment specification, Stamped Drawings and project scope

Price for the above .....\$ 67,350.00

### Construction Proposal - Consists of the following

- New SCADA Computer and Server with GE iFIX Software and a 32" screen to be located in the Lab
- SCADA Screen Development
- Development of reports, up to five total
- New/Replacement PLC's and Programming at the following location. (New PLC's will be Ethernet capable)
  - RNPP BPS located at the Water Plant (Replacement)
  - RNPP Reuse PS located at the Waste Water Plant (Replacement)
  - Tyson Foods RTU (Replacement)
  - RNPP RTU (Replacement)
  - Lucile EST RTU (Replacement)
  - Kingsbury EST RTU (Replacement)
  - Ireland EST RTU (Replacement)
  - HWY 123 EST RTU (Replacement)
  - HWY 123 BPS RTU (Replacement)
  - Plant #1 Chemical RTU (Replacement)
  - Plant #2 Chemical RTU (Replacement)
  - Lab/Control Room RTU (New)
- Replacement and Programming of the Radios Links and Antenna systems at the following location. (New Radio will be Ethernet 5 GHZ Tri-Band)
  - Link 1, City Hall to High Rise Tower
  - Link 2, High Rise Tower to Coliseum
  - Link 3, Water Treatment Plant to Golf Pro Shop
  - Link 4, High Rise Tower to Geronimo EST
  - Link 5, Geronimo EST to Tyson
  - Link 6, Geronimo EST to Ireland EST
  - Link 7, Geronimo EST to RNPP
  - Link 8, Water Treatment Plant to Parks and Recreation
  - Link 9, Ireland EST to Lucille EST
  - Link 10, Lucille EST to Fire Station #3
  - Link 11, Lucille EST to HWY 123 EST
  - Link 12, Ireland EST to Geronimo LS

- Link 13, Ireland EST to HWY 123 EST
- Link 14, Coliseum to Water Treatment Plant
- Link 15, WWTP to Animal Control
- Link 16, High Rise Tower to WWTP
- Run a Loose Tube Fiber Optic Cable between the Control Room and the Plant #2 Chemical Room PLC
- Run Conduit and wire between Plant #2 Chemical Room PLC to the recently added MCC
- Demo old panel equipment in control room and run conduit to extend existing circuits to New Lab RTU
- Startup and testing
- Two days of operator training on the New SCADA Computer
- Bond and insurance
- New/Replacement and Programming of the Radios and Antenna systems at the following location. (New Radio will be Ethernet 5 GHZ Quad Band)

Hub Stations

- Site 1, Geronimo EST
- Site 2, Ireland
- Site 3, Coliseum
- Site 4, Hwy 123

Subscriber Stations

- Site 1, Sub Station West
- Site 2, N. Austin
- Site 3, 1-12
- Site 4, Parks and Recreation
- Site 5, 1-8
- Site 6, 1-7
- Site 7, Sub Station
- Site 8, White Oak
- Site 9, Mocking Bird

Price for the above outline of work .....\$ 566,717.00

Total Price for all work listed above .....\$ 634,067.00

If you have any questions please call me.

This Proposal is valid for 120 days from date of proposal

Sincerely,

SCI

Jon Crumley