

## **SCOPE OF WORK**

### **SCADA On-Call Technical Support Services**

#### **BACKGROUND**

Harris Group Inc. has provided design and configuration services for the installation of a new Supervisory Control and Data Acquisition (SCADA) system for the City of Longview water, stormwater and wastewater systems. The City has need for continuing technical support to maintain the operational SCADA system until in-house expertise can be obtained.

#### **SCOPE OF SERVICES**

Harris Group will provide on-call technical services to provide maintenance and support of the SCADA system to ensure proper functioning and optimal performance of the equipment, including human machine interface (HMI), PLC, computer virtualization, servers and Historian. This will include programming, troubleshooting and other services provided either through electronic remote access and/or at City Hall, Mint Farm treatment plant, and other utility sites, with a response within 24-hours for requests that require on-site support versus remote access. Harris Group's services may also be engaged to support new sites, controls, or functionality, as defined and authorized by the City.

The services include but are not limited to the following:

- PLC programming/programming revisions.
- Communications troubleshooting and networking investigation.
- SCADA computer troubleshooting.
- Wonderware ArchestrA support, software patches, maintenance.
- WIN911 system and alarm support.
- Operator training.
- Historian database maintenance.

Harris Group will track and document work through trip reports and monthly status reports. Drawing red lines and AutoCAD services shall be provided to capture modifications on the City's existing controls systems record drawings.

#### **PROJECT TEAM**

Harris Group proposes the following project team to allow flexibility and availability from both the Seattle and Portland Harris Group offices. We also have specific automation staff certified in the Wonderware products used by the City.

Project Manager: Gabe Shones, PE

Senior Engineer: Robert Smart, PE

Engineers: James Johnson; Brad Frayo; Matt Bauder

#### **PROJECT DURATION AND ESTIMATED COSTS**

Harris Group proposes to perform these services on a time-and-expense basis for a three-year period, with a budget of \$73,680.