

Municipal Wastewater

Date Completed:

2017

Construction Cost:

\$14.472 Million

Client or Owner's Rep:

Mr. Li Chen, PE
Project Manager, BBI

Highlights:

- ✓ **Electrical, Instrumentation, Controls and SCADA**
- ✓ **Process Knowledge**
- ✓ **Construction Phasing**
- ✓ **Long Construction Duration – 700 Days**
- ✓ **Rehabilitation**

Photos: Oxygen Sensors and Flow Control Valve Station

69th Street Wastewater Treatment Plant Improvements Package 5

City of Houston | Houston, Texas

Project Description | The project included major rehabilitation of electrical, instrumentation, controls and SCADA related to the entire wastewater treatment plant. The project also included replacement of all the instruments related to the pure oxygen Aeration/Oxidation Reactors.

Services Provided | As a sub-consultant to Binkley Barfield, Inc., KGI was responsible for the preliminary engineering, final design and construction phase services for the following major units in the WWTP:

- 440 mgd Wet Pit/Dry Pit Type Influent Lift Station.
- Headworks and Grit Chamber Facilities
- 1st and 2nd Step Aeration/Oxidation Reactors
- 1st and 2nd Step Clarifiers
- RAS/WAS Pump Stations
- Automatic Backwash Filters

