

# City of Delphi

GSC Water System Improvements



Total Contract: \$12,922,847  
February 2019 - October 2020



Resourceful.



Responsive.



Results.



**DELPHI**  
**INDIANA**





## Multiple Guaranteed Savings Contract Community

### City of Delphi

GSC Water System Improvements Delphi, IN

Total Contract: \$12,922,847

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Bowen, teaming with Butler Fairman & Suefert, is completing 2 phases of Water System improvements for the City of Delphi. Improvements included >3,200 LF of water main, a booster station, a new well house, and a new water storage tank.

Project work occurred through 2 separate phases, and will allowed Delphi to update aging equipment and increase capacity.

#### Project Challenges

- The project occurred in rocky soils and required a 2-excavator operation. The first excavator was dedicated to hammering and the 2nd excavator was for removing material.
- Bowen actively managed traffic, as the project required an area road to be shut down. Bowen also installed the water line through a golf course and worked with the city along with the course to minimize disruption.
- During design, the team realized the source water's chemistry was different than expected. The team worked together to resize and reconfigure equipment to optimize value for the client.

#### Bowen Results

- Bowen used multiple city-preferred local subcontractors and was responsive to owner preferred equipment including controls requests.
- Bowen met a key milestone delivering the City's new well to support increased water demand.
- Bowen was able to deliver >\$500,000 of savings to the City.
- Bowen supported the city by mobilizing to a water main break in a different part of town and was able to procure the parts, repair the break, and repour the sidewalk the same day.
- There were Zero Injuries and Incidents on the project.

### PROJECT SCOPE

- Site Work
- Civil/Concrete
- Underground Piping
- Equipment Setting
- Mechanical/Piping
- Architectural/Finishing

### PROJECT SPECS

#### Multiple Contract Phases

- Phase 1
- Phase 2

#### Included Infrastructure Updates

- (2) 30' Tall Aerators
- 1,000 LF 12" PVC
- 2,200 LF 16" PVC
- 40 LF of 8" PVC
- 285 CY of Concrete
- Booster Station
- New Well and Well House
- Chemical Feed
- Water Storage Tank

#### Project Team

- Project Manager: Pat Stanford
- Project Engineer: Mitchell Stull
- Superintendent: Tim Wotherspoon
- Engineering Partner: BF&S



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