

City of South Bend Edison Water Treatment Plant Improvements RFQ



BOWEN

RESPONSE TO THE CITY OF SOUTH BEND, IN
REQUEST FOR QUALIFICATIONS
GSC DEVELOPMENT SERVICES

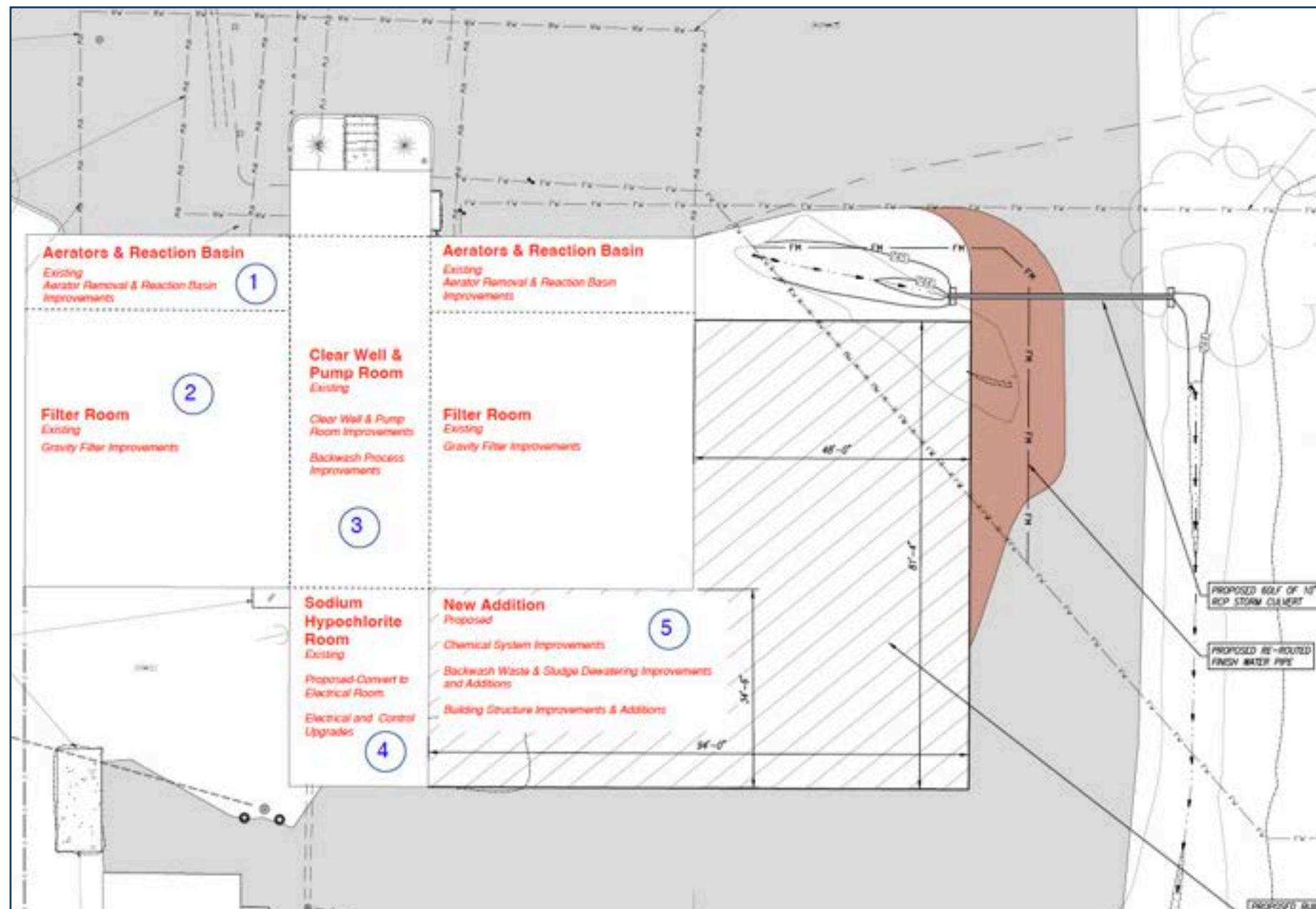
24 MARCH 2026



Executive Summary

Bowen Engineering Corporation (Bowen) is an established, employee-owned contractor with deep roots in northern Indiana and more than 55 years of experience delivering complex municipal water and wastewater infrastructure projects under alternative delivery methods. Bowen has successfully completed over 100 GSC projects across Indiana, many involving major rehabilitation within fully operational treatment facilities. This experience positions Bowen as a trusted partner for the City of South Bend (South Bend) as it undertakes the Edison Water Treatment Plant Improvements.

Bowen is very familiar with the South Bend WTP facilities and the South Bend Staff. We have collaborated successfully on two recent WTP projects. One being the South Bend North Plant and the other being the Pinhook Plant. The North Plant was completed under an open market agreement, while Pinhook was completed under a GSC agreement. These projects encouraged collaboration among the Owner, Engineer, and Contractor to address challenges directly and find solutions that best served the project. One example that comes to mind is the filter underdrains at the Pinhook Plant. Initial evaluations indicated that the underdrains were irreparable and would require replacement. After removing the media and completing an assessment, it was found that cleaning and rehabilitating the underdrains would save the Owner considerably. The team moved forward with the plan and successfully rehabilitated the underdrains which saved the project considerable amount of money. All the savings were returned to the Owner and used on other upgrades that were originally deleted from the project due to budget concerns. At completion both projects were very successful and directed large amount of savings dollars to other needed repairs at the facilities. The Edison Plant closely resembles the Pinhook Plant, so we suggest applying the same strategy to ensure optimal value for each dollar spent. Other areas that need to be further evaluated would be incorporating the reuse of some existing equipment that looked to be recently replaced and in good condition.



- 1 The removal of the aerators and any associated improvements will be done during the plant shut-down per the schedule on the following page.
- 2 The filter room improvements are planned to be handled similar to the Pin Hook improvements. The media will get removed and the underdrains will get assessed. At that point the troughs, interior piping and valves interior to the filter rooms would get blasted/painted or replaced depending on the condition. At that point, everything would be cleaned and media would return to each cell.
- 3 The backwash process improvements come with a little bit of complexity due to the addition of the arsenic removal technology. We also understand that the chemicals housed in this area as well as the Sodium Hypo room (area 4) will be relocated to the building addition. So all interior chemical lines will need to get re-routed.
- 4 The new electrical room will take the most amount of planning regarding any long lead items associated with that scope. These improvements will be some of our first questions as well as any conversations South Bend or United has had with suppliers to date. It's also shown as a critical path on our schedule.
- 5 The building addition to handle all existing chemical tanks as well as the proposed arsenic removal technology would be the start of construction because we believe some if not most of this work can be completed before the plant shut-down this fall.

Activity ID	Activity Name	Original Duration	Start	Finish	2026												2027												2028	
					Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
South Bend GSC																														
Admin / Milestones																														
A1000	RFQ Due [3/24/26]	0	24-Mar-26*		◆ RFQ Due [3/24/26]																									
A1010	Selection Ratification [4/14/26]	0	14-Apr-26*		◆ Selection Ratification [4/14/26]																									
A1020	GMP Development and Approval	20	14-Apr-26	11-May-26	■ GMP Development and Approval																									
A1030	Contract Award	0	12-May-26		◆ Contract Award																									
A1280	NTP	0	6-Jul-26*		◆ NTP																									
A1040	Substantial Completion	0		28-Jun-27	◆ Substantial Completion																									
Procurement																														
A1050	Filter Components	100	12-May-26	28-Sep-26	■ Filter Components																									
A1060	Electrical / Instrumentation	150	12-May-26	7-Dec-26	■ Electrical / Instrumentation																									
A1070	Pumps	150	12-May-26	7-Dec-26	■ Pumps																									
A1080	Chemical Feed Equipment	100	12-May-26	28-Sep-26	■ Chemical Feed Equipment																									
A1100	Mechanical Piping and Valves	90	12-May-26	14-Sep-26	■ Mechanical Piping and Valves																									
A1110	Generator	200	12-May-26	15-Feb-27	■ Generator																									
Construction																														
A1240	Construction Pre-planning	35	6-Jul-26	21-Aug-26	■ Construction Pre-planning																									
A1120	Mobilize	5	24-Aug-26	28-Aug-26	■ Mobilize																									
A1130	Excavate and Construct new Chem Feed Addition	120	31-Aug-26	19-Feb-27	■ Excavate and Construct new Chem Feed Addition																									
A1140	Install Electrical	155	3-Nov-26	14-Jun-27	■ Install Electrical																									
A1180	Shut Down Plant for Improvements	240	3-Nov-26	30-Jun-27	■ Shut Down Plant for Improvements																									
A1190	Filter Room Improvements	80	3-Nov-26	26-Feb-27	■ Filter Room Improvements																									
A1160	Install new Chem Feed Equipment	50	22-Feb-27	30-Apr-27	■ Install new Chem Feed Equipment																									
A1200	Aerators and Reactions Basin Improvements	35	1-Mar-27	16-Apr-27	■ Aerators and Reactions Basin Improvements																									
A1210	Clear Well and Pump Room Improvements	40	19-Apr-27	14-Jun-27	■ Clear Well and Pump Room Improvements																									
A1170	Start up and Test New Chemical Feed Equipment	5	3-May-27	7-May-27	■ Start up and Test New Chemical Feed Equipment																									
A1230	Plant Start up and Testing	10	15-Jun-27	28-Jun-27	■ Plant Start up and Testing																									
A1250	Punchlist	20	29-Jun-27	27-Jul-27	■ Punchlist																									
A1260	Demobilization	5	28-Jul-27	3-Aug-27	■ Demobilization																									
A1270	Final Completion	0		3-Aug-27	◆ Final Completion																									

The project is required to achieve substantial completion within 330 calendar days, with the plant shutdown period not to exceed 240 calendar days. The project schedule is tight because of possible long lead times for new equipment. Water treatment equipment and electrical equipment of this nature can push over 30 weeks to delivery after the order has been placed and released for fabrication. These challenges suit the GSC procurement process, as it lets the contractor work with the Owner and Engineer before finalizing drawings and signing contracts. Some possible ways to accelerate deliveries of long lead items would be to have the Owner purchase the equipment up front and then assign it to Bowen once the construction agreement is signed. Alternatively, Bowen may be granted a restricted notice to proceed, allowing us to enter into agreements for specified equipment. This approach allows equipment engineering and submittals to proceed concurrently while the project design is being finalized. Bowen has successfully used both these approaches in the past to minimize schedule impacts from long lead equipment.

■ Remaining Level of Effort ■ Critical Remaining Work
■ Actual Work ◆ Milestone
■ Remaining Work



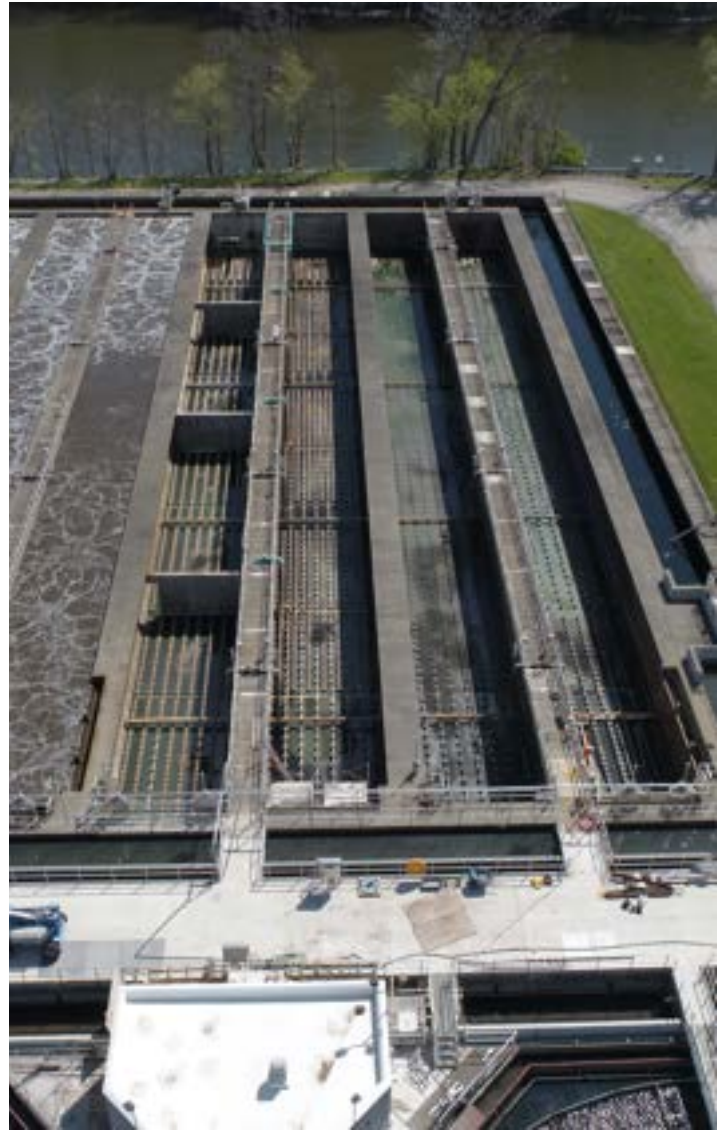


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Company Information

Name of Company: Bowen Engineering Corporation

Address: 8802 N. Meridian St, Indianapolis, IN 46260

Telephone Number: 317.842.2616

Contact Person(s): Teddy Deahl - jdeahl@bowensqp.com

Pat Stanford - pats@bowensqp.com

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Section 1: Company Background & Qualifications

a) Provide a history of the Provider with a statement about company mission, vision, and values.

Bowen is an employee-owned company that has specialized in the construction of municipal utility infrastructure since 1967. With more than 400 full-time employees and over 1,200 skilled craft professionals, Bowen delivers complex infrastructure projects with a focus on quality, safety, and long-term performance. Our experience supporting municipalities, like the City of South Bend, reflects our commitment to delivering reliable, high-value infrastructure solutions.

Mission Statement

Bowen's mission is to provide innovative, practical solutions to environmental and infrastructure challenges while creating meaningful opportunities for our employees. By integrating construction expertise, engineering insight, and a culture of innovation, we deliver high-value projects across the power, industrial process, performance contracting, and water infrastructure markets.

Vision Statement (Performance Contracting)

Bowen's vision is to strengthen our leadership in the Indiana market while expanding our capabilities to better serve clients through alternative delivery methods. Our success over the past 55+ years is rooted in a strong foundation of core values that guide our decisions, shape our culture, and drive consistent project outcomes. These values include:

- Zero Injuries
- Never Walk Away from a Problem
- Enthusiastic Teamwork and Celebration
- Continuous Improvement
- Service to the Customer Above All Else
- Excellent and Ethical Business Practices; Honesty, Integrity, Professionalism
- Shared Opportunity and Ownership
- Genuine Concern for Others

These principles are embedded throughout Bowen's organization, from executive leadership to field personnel, and serve as the foundation of our reputation for reliability and performance. Our consistent focus on client satisfaction has earned the trust of municipalities and partners across the region, and we bring that same commitment to every project we deliver.

b) Include the following information on the Provider

- i) **Name of Company:** Bowen Engineering Corporation
- ii) **Address:** 8802 N. Meridian St, Indianapolis, IN 46260
- iii) **Telephone Number:** 317.842.2616
- iv) **Email Address of Contact Person:** jdeahl@bowensqp.com (Teddy Deahl) and pats@bowensqp.com (Pat Stanford)
- v) **Contact Person for this Project:** Teddy Deahl and Pat Stanford

c) Provider's Qualifications and Management**i) Number of years company has operated in Indiana**

Bowen Engineering Corporation has been serving the State of Indiana since 1967 and is headquartered in Indianapolis, IN.

ii) Number of employees residing in Indiana

Bowen has 510 active craft employees that reside in Indiana. This number includes all active craft labor. The number of full time employees (FTEs) that reside in Indiana is 240+. Bowen's Northwest Indiana team includes your project team of Pat Stanford and Mitchell Stull. Bowen's Mechanical Superintendent, Tony Abitua, would be the only possible employee that would work on this project who resides outside of the state.

iii) Company Officers

Bowen's leadership team provides strategic direction, operational oversight, and financial stewardship to ensure consistent project success. Their leadership ensures alignment between Bowen's operational capabilities, financial management, and long-term strategic goals. Our executive leadership is listed below:

- President & Chief Executive Officer – A. Douglas Bowen
- Chief Financial Officer – Carey Weddle
- VP of Operations – John Dettman

iv) List the personnel employed by the Provider responsible for this project including the proposed Project Manager and Site Superintendent. Include a resume on each person listing education, experience, work history, and responsibilities on this project.

Bowen has created a multi-disciplinary Performance Contracting Team specializing in the implementation of Guaranteed Savings projects. Bowen will utilize team members that have been involved with many successful Guaranteed Savings Contract projects. The superintendents on this project, who would be your day-to-day contacts, both have extensive experience with GSC projects and experience working with South Bend. At the end of this section, you will find a list of resumes for Pat and possible NWI team members that could build your project. Pat Stanford and Teddy Deahl will be your specific contacts in the GMP stage.

At the bottom of this page, we have outlined Bowen's organizational structure for the team you would interact with daily on site. Communication will be handled through regular construction meetings to update South Bend's staff on the progress of construction. Records of the meeting minutes will be distributed along with action items, responsible persons, and due dates at every meeting. This process has been successfully used on past GSCs completed by Bowen.

Organizational Structure



v) The most recent audited Financial Report.

Please find the 2025 audited financial statements for Bowen Engineering Corporation (Bowen) in the appendix. This report has been certified by our accounting firm, Blue and Company, LLC. We continue to have strong support from both our bank and bonding agency.

vi) The Provider must be certified and meet the requirements of IC 4-13.6-4 and the RFQ submitted must include a copy of the firm's certification of qualification issued under IC 4-13.6-4.

Bowen has two certificates for the referenced certification. One is for Professional Services, including energy audits and the second is for the construction of utility infrastructure projects. These documents meet the intent of IC 4-13.6-4.

vii) Identify Professional Engineers directly employed by the Provider responsible for this project. Include License number of the person responsible for the project.

It is our understanding that the code requires the provider to employ at least one Professional Engineer on staff. Bowen employs 16 Professional Engineers. One of our P.E.s and Estimating Manager, Adam Kluemper, has been with Bowen for over 20 years and will provide services where necessary for this project. Adam Kluemper's P.E. License number is: IN #19800151.

viii) Describe if the Provider is a manufacturer, contractor or engineering firm. Clearly delineate what services or products the Provider is including from their own company as part of the project.

Bowen is a self-performing contractor, which means we manage craft that are direct employees of Bowen through union agreements. We plan to employ 80% of the labor that will be on your specific project. We accomplish this through carpenters, operators, pipe fitters, millwrights, boilermakers, masons, iron workers, laborers and all levels of our field management staff.

ix) Identify experience with projects constructed with funding through the Indiana State Revolving Loan Fund.

Below is a list of all the Indiana Owners that Bowen has completed one or more GSCs with who have utilized the SRF program. It has been a very positive experience working with this agency, especially given their understanding of how collaborative delivery works. For example, when scope modifications or additions arise, the SRF staff has been incredibly helpful when it comes to proper documentation. If a pre-meeting with your SRF representative would be a helpful step, we'd welcome the opportunity to sit down with that individual to better understand the program requirements.

- | | | |
|-------------------------------|---|--------------------------------|
| 1. Town of Battleground, IN | 9. Goshen Utilities | 17. Rushville Utilities |
| 2. Town of Bremen, IN | 10. City of Greenwood, IN | 18. Town of Russiaville, IN |
| 3. City of Butler, IN | 11. City of Huntington, IN | 19. Town of Shirley, IN |
| 4. Carmel Utilities | 12. S. Dearborn Regional Sewer District | 20. Town of Upland, IN |
| 5. Columbus City Utilities | 13. City of Montpelier, IN | 21. Tipton Municipal Utilities |
| 6. City of Crawfordsville, IN | 14. Nature Works Conservancy District | 22. Valparaiso City Utilities |
| 7. Town of Danville, IN | 15. Town of Plainfield, IN | 23. City of West Lafayette, IN |
| 8. City of Delphi, IN | 16. Town of Rossville, IN | 24. Town of Westville, IN |



Pat Stanford

PROJECT MANAGER

PATS@
BOWENSQP.COM
M 219-746-7165

BUILDING SINCE
1988

KEY PROJECTS

Valparaiso City Utilities Airport WTP Upgrades

\$5.9M | Valparaiso, IN

Valparaiso City Utilities EKPCF Improvements Phase 1

\$46M | Valparaiso, IN

Valparaiso City Utilities Sturdy Road Lift Station

\$6M | Valparaiso, IN

Valparaiso City Utilities Phase 3 Country Club Wells

\$1M | Valparaiso, IN

City of South Bend North Treatment Plant Improvements

\$3.5M | South Bend, IN

Valparaiso City Utilities Wells Upgrade Phase 1

\$1.8M | Valparaiso, IN

INAW Borman Park Hypo Conversion

\$5.5M | Gary, IN

City of South Bend WAS Thickening Improvements

\$4.7M | South Bend, IN

Town of Westville GSC Lift Station and Plant Improvements Ph. 1

\$4.7M | Westville, IN

Town of Westville GSC Plant Improvements Ph. 2

\$10.2M | Westville, IN

INAW Ogden Dunes Chlorine Conversion

\$5.1M | Ogden Dunes, IN

INAW Lowell WTP Chlorine Conversion

\$3.9M | Lowell, IN

Town of Westville GSC Sewer ME & Plant Upgrades Phase 3

\$3.9M | Westville, IN

City of South Bend GSC Final Clarifier Improvements

\$6.9M | South Bend, IN

INAW Ogden Dunes High Service Pump Replacement

\$1.1M | Ogden Dunes, IN

EXPERIENCE

Project Manager

Bowen | 2000-Present
Indianapolis, IN

Project Engineer

Bowen | 1998-2000
Indianapolis, IN

Project Engineer / Estimator

B.G. Danis | 1988-1989
Dayton, OH

EDUCATION

Purdue University

B.S. Environmental Science
West Lafayette, IN

TRAINING AND CERTIFICATIONS

30 Hour OSHA Certification

Bowen Leadership Program

Accountability Training



Mitchell Stull

PROJECT MANAGER

MSTULL@
BOWENQP.COM
M 317-650-8313

BUILDING SINCE
2015

KEY PROJECTS

City of South Bend North Treatment Plant Improvements

\$3.5M | South Bend, IN

Valparaiso City Utilities EKPCF Improvements Phase 1

\$46M | Valparaiso, IN

Valparaiso City Utilities Sturdy Road Lift Station

\$6M | Valparaiso, IN

Town of La Crosse WTP Div. A

\$2.4M | La Crosse, IN

INAW Borman Hypo Conversion

\$5.5M | Gary, IN

CEG WR CCS Phase III Miley Ave Sewer

\$8.8M | Indianapolis, IN

Valparaiso City Utilities Village Station

\$2.0M | Valparaiso, IN

City of Hobart Sanitary Sewer Improvements Phase I

\$3.8M | Hobart, IN

City of Delphi Watermain Extensions PHI

\$6.1M | Delphi, IN

Town of Hebron WWTF Modifications

\$7.5M | Hebron, IN

Valparaiso City Utilities WTP Improvements

\$15M | Valparaiso, IN

City of Rensselaer New Wet Weather Treatment Facility

\$7.5M | Rensselaer, IN

Town of Remington New Water Treatment Plant

\$3.6M | Remington, IN

Fillmore Residence High-End Residential Apt. Complex

\$12M | Denver, CO

New Hydro Electric Dam

\$230M | Cannelton, IN

EXPERIENCE

Project Manager

Bowen | 2024-Present

Indianapolis, IN

Senior Project Engineer

Bowen | 2022-2024

Indianapolis, IN

Project Engineer

Bowen | 2015-2022

Indianapolis, IN

Intern

Walsh Construction

Cannelton, IN

Intern

GE Johnson

Denver, CO

EDUCATION

Purdue University

B.S. Building Construction Management

Minor in Building Information Modeling

West Lafayette, IN



Hunter Lash

PROJECT ENGINEER

HUNTER.LASH@
BOWENSQP.COM
M 317-995-4287

BUILDING SINCE
2018

KEY PROJECTS

Valparaiso City Utilities EKPCF Improvements Phase 1

\$46M | Valparaiso, IN

Valparaiso City Utilities Sturdy Road Lift Station

\$6M | Valparaiso, IN

Utilities Inc. Ferson Creek WWTP

\$5.9M | St. Charles, IL

City of South Bend WAS Thickening Improvements

\$4.7M | South Bend, IN

City of South Bend WWTP Hydraulic Improvements

\$3.2M | South Bend, IN

EXPERIENCE

Project Engineer

Bowen | 2024-Present
Indianapolis, IN

Project Engineer

Nichols Crane Rental | 2020-2024

Computer Numerical Control Machinist

Quantum Technical Services Inc. | 2019-2020

Material Manager

3D Manufacturing Corporation | 2017-2018

EDUCATION

Joliet Junior College

Associate in Applied Science- Mechanical
Production Technology, Machine Tool &
Metalworking
Joliet, IL

CERTIFICATIONS AND TRAINING

3D Design and Printing

CAD Experience

Welding Experience

Aerial Imagery



Nathan Junk

PROJECT ENGINEER

NATHAN.JUNK@
BOWENSQP.COM
M 317-391-5129

BUILDING SINCE
2020

KEY PROJECTS

VAW Westmoreland Well 3B

\$1M | Colonial Beach, VA

Butler WWTP and CSO Improvements

\$7M | Butler, IN

AWO&M Camden Parkside PFAS

\$9M | Camden, NJ

City of Columbus Jackson Pike WWTP Expansion

\$30M | Columbus, OH

SDRSD WWTP Improvements

\$24M | Lawrenceburg, IN

INAW Ogden Dunes High Service Pump Replacement

\$1.1M | Ogden Dunes, IN

Valparaiso City Utilities EKPCF Improvements Phase 1

\$46M | Valparaiso, IN

Valparaiso City Utilities Airport WTP Upgrades

\$5.9M | Valparaiso, IN

INAW Borman Park MH Replacement

\$0.70M | Gary, IN

EXPERIENCE

Project Engineer

Bowen | 2024-Present
Indianapolis, IN

Field Engineer

Bowen | 2023-2024
Indianapolis, IN

Field Engineer Intern

Bowen | 2020-2023
Indianapolis, IN

Stagehand

Local 5 Union Stagehands | 2019-2024

EDUCATION

University of Cincinnati

B.S. Civil Engineering
Cincinnati, OH

PROFESSIONAL TRAININGS

OSHA 10 Construction Industry

Bowen SQP Training

Bowen Engineered Systems Training

Bowen P6 Training

Bowen Mechanical 101 Training

Bowen Viewpoint 101 Training



Tony Abitua

SUPERINTENDENT

**TABITUA@
BOWENQP.COM
M 219-746-6017**

**BUILDING SINCE
1986**

KEY PROJECTS

City of Hobart Lift Station and Force Main GSC

\$3.8M | Hobart, IN

City of South Bend North Treatment Plant Improvements

\$3.5M | South Bend, IN

City of South Bend Pinkhook WTP Rehab

\$2M | South Bend, IN

Valparaiso City Utilities Village Station

\$2M | Valparaiso, IN

Valparaiso City Utilities WTP Improvements

\$13.4M | Valparaiso, IN

Valparaiso City Utilities Influent Lift Station Upgrades

\$2M | Valparaiso, IN

City of Lebanon WWTP Improvements

\$1.8M | Lebanon, IN

City of Rensselaer New Wet Weather Treatment Facility

\$7.5M | Rensselaer, IN

Town of Remington New Water Treatment Plant

\$3.6M | Remington, IN

Town of Dyer WWTP Sludge Dewatering

\$.9M | Dyer, IN

Town of Lowell WWTP Improvements

\$.6M | Lowell, IN

Town of Battle Ground WWTP Rehabilitation GSC

\$2.79M | Battle Ground, IN

City of Goshen Digester Improvements

\$3.2M | Goshen, IN

EXPERIENCE

Superintendent

Bowen | 1998-Present

Indianapolis, IN

Commission/Construction Supervisor

SUN Technical Services, Inc. | 1993-1998

Commission/Construction Supervisor

NUTECH Engineering | 1987-1993

Commission/Construction Supervisor

Nuclear Power Services, Inc | 1986-1987

EDUCATION

Larkin High School

Graduate | 1975

CERTIFICATIONS AND TRAINING

First Aid and CPR

OSHA 30 Hr.



Brian Hattabaugh

SUPERINTENDENT

**BRIAN.HATTAUGH@
BOWENQP.COM
M 317-315-3616**

**BUILDING SINCE
1995**

KEY PROJECTS

City of South Bend GSC Final Clarifier Improvements

\$6.9M | South Bend, IN

City of South Bend Hydraulic Improvements

\$3.2M | South Bend, IN

City of South Bend WAS Thickening Improvements

\$4.7M | South Bend, IN

City of South Bend Clarifier Equipment Replace and Tank Modifications

\$5M | South Bend, IN

Town of Lowell WTP Improvements

\$0.7M | Lowell, IN

Town of Westville GSC Plant Improvements Ph.2

\$10.2M | Westville, IN

Aqua Illinois Peotone WWTP Clarifier Rehabilitation Design-Build

\$350K | Peotone, IL

Town of Upland WWTP Improvements GSC

\$5.3M | Upland, IN

City of Butler WWTP & CSO

\$7.3M | Butler, IN

INAW Ogden Dunes Chlorine Conversion

\$5.1M | Ogden Dunes, IN

INAW Lowell WTP Chlorine Conversion

\$3.9M | Lowell, IN

EXPERIENCE

Superintendent

Bowen | 2018-Present
Indianapolis, IN

TRAINING AND CERTIFICATIONS

30 Hour OSHA Certification

CPR/AED Certification

Confined Space Training

Welding Certifications

Scaffold & Scaffold Erection Certifications

40 HR Hazard Waste Handling Training

Millwright Apprenticeship Training

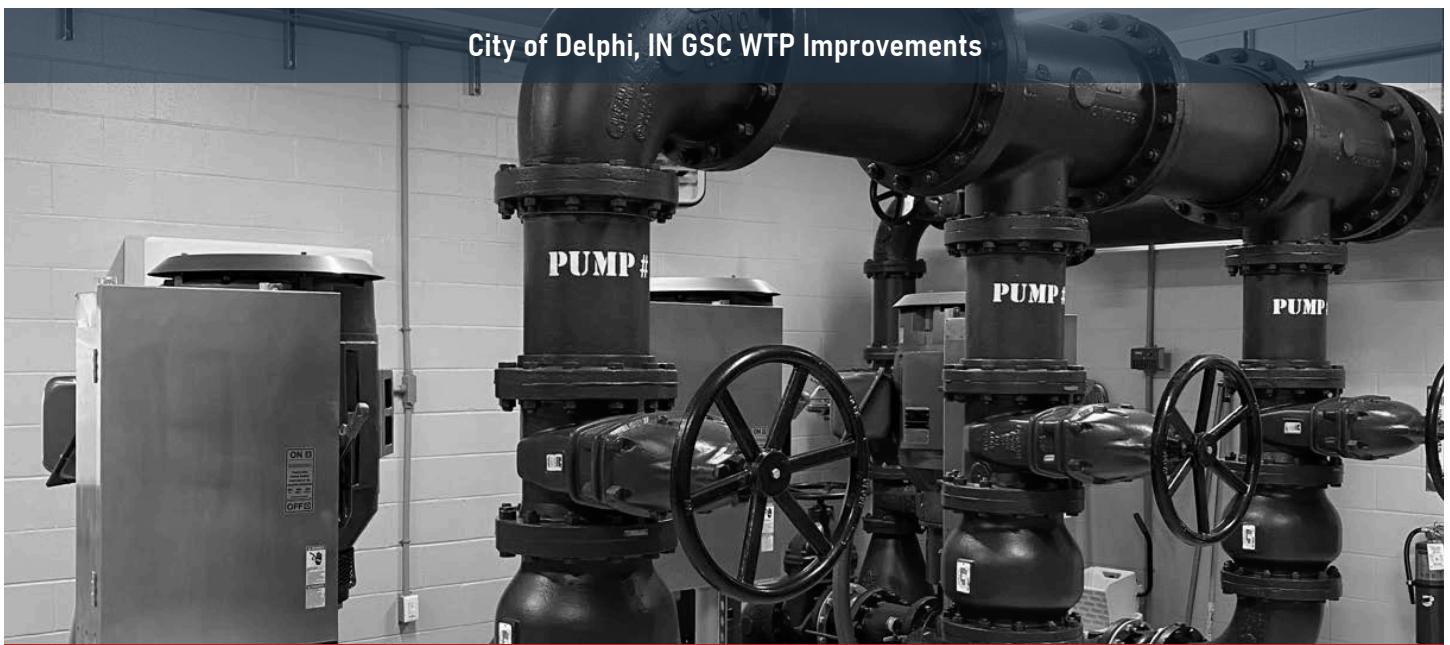
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Section 2: References

Provide references with contact information for Indiana Guaranteed Savings Contract projects completed. Include the location, scope of work, and personnel responsible. Provide a list of all of the water / wastewater utility projects the Provider has completed under the terms of IC 36-1-12.5 (Indiana Guaranteed Savings Contracts).

The GSC reference list on the following (2) pages is categorized in alphabetical order. To provide more detail over our capabilities while keeping the body of the response condensed, we are only including our most relevant one-pagers displayed after the GSC reference list. We would also be happy to provide additional one-pagers for any of the GSCs displayed in our reference list at your request. Additionally, we welcome the City to reach out to any of the contacts listed on the reference list to learn more about our past clients' experiences working with Bowen, if desired.

In addition to the references and project listed below, we would also like to share an emergency response that Bowen completed for one of our GSC customers. An excellent example of such work was our work on an emergency sewer repair in Shelbyville, IN that is displayed at the end of this section. If there is a project in particular that the City would like more information on, please don't hesitate to ask.



Municipality or Utility District	Location	No. of GSC Projects	Contact Name (During Construction)	Contact Information	Most Recent Project Manager	State Revolving Fund (SRF)	Year	Total Contract Value	Water System	Wastewater System
Town of Battleground	Battleground, IN	1	Steve Egley	(765) 418-7884	Pat Stanford	Yes	2012-2014	\$3,000,000		■
Town of Bremen	Bremen, IN	1	Matthew Cunningham	(547) 546-2044	Dan Bernath	Yes	2010-2011	\$2,000,000		■
City of Butler	Butler, IN	7	Scott Lanning	(260) 868-2805	Matt Meyer	Yes (1 of 7)	2010, 2013-2015, 2021-Current	\$18,000,000	■	■
Carmel Utilities	Carmel, IN	1	Mike Hendricks	(317) 571-2634	Mark Cvetkovich	Yes	2020-2021	\$1,000,000		■
Columbus City Utilities	Columbus, IN	4	Ashley Getz	(812) 372-8861	Mark Cvetkovich	Yes (2 of 4)	2008-2010, 2022-Current	\$38,000,000	■	■
City of Crawfordsville	Crawfordsville, IN	2	Karyn Douglas	(765) 364-5150	Mark Cvetkovich	Yes	2016-2018	\$12,000,000		■
Town of Danville	Danville, IN	3	Barry Lofton	(317) 945-6071	Alan Dale	Yes	2023-Current	\$11,000,000		■
City of Delphi	Delphi, IN	2	Craig Myers	(765) 564-3944	Pat Stanford	Yes (2 of 2)	2019-2021	\$15,000,000	■	
City of Fishers	Fishers, IN	10	Jonothan Valenta	(317) 595-3139	Dan Bernath	No	2013-2015, 2019-2021	\$30,000,000		■
City of Garrett	Garrett, IN	1	Marcie Coe	(260) 357-5449	Mark Cvetkovich	No	2013-2014	\$3,000,000		■
Goshen Utilities	Goshen, IN	2	Dustin Sailor	(574) 537-3814	Paul Creasey	Yes	2011-2013	\$4,000,000		■
City of Greenfield	Greenfield, IN	1	Mike Fruth	(317) 477-4320	Dan Bernath	No	2007	\$700,000		■
City of Greenwood	Greenwood, IN	2	Keith Meier	(317) 888-1254	Paul Creasey	Yes (2 of 2)	2018-2022	\$60,000,000		■
Hobart Utilities	Hobart, IN	2	Phil Scoon	(219) 942-3293	Pat Stanford	No	2012, 2019-2020	\$4,000,000		■
City of Huntington	Huntington, IN	1	Adam Cuttriss	(260) 356-1400	Mark Cvetkovich	Yes	2012-2014	\$11,000,000		■
City of Kokomo	Kokomo, IN	1	Carey Stranahan	(765) 456-7400	Dan Bernath	No	2016	\$700,000		■
Lafayette Renew	Lafayette, IN	30	Brad Talley	(765) 807-1800	Jared Weber	No	2008, 2012-Current	\$241,000,000	■	■
South Dearborn Regional Sewer District	Lawrenceburg, IN	1	Chris Lagaley	(765) 480-7354	Dan Bernath	Yes	2022-Current	\$24,000,000		■
Lebanon Utilities	Lebanon, IN	4	Ryan Ottinger	(765) 482-5100	Dan Bernath	No	2011-2012, 2014-2018	\$11,000,000	■	■
Merrillville Conservancy District	Merrillville, IN	1	Brian Muller	(219) 613-5777	Pat Stanford	No	2023-Present	\$5,000,000		■
Town of Middletown	Middletown, IN	1	Dave Wagner	(765) 354-2268	Alec Goodall	No	2023-Present	\$4,000,000		■
City of Montpelier	Montpelier, IN	1	Robert Bunch	(765) 728-5642	Chris Manges	Yes	2019	\$4,000,000		■

Municipality or Utility District	Location	No. of GSC Projects	Contact Name (During Construction)	Contact Information	Most Recent Project Manager	State Revolving Fund (SRF)	Year	Total Contract Value	Water System	Wastewater System
Muncie Sanitary District	Muncie, IN	20	Rick Conrad	(765) 747-4894	Alec Goodall	No	2014-Current	\$152,000,000		■
Nature Works Conservancy District	Valparaiso, IN	1	John Sturgill	(920) 751-4200	Pat Stanford	Yes	2023-2024	\$2,000,000		■
Town of Plainfield	Plainfield, IN	30	Tim Belcher	(317) 754-5396	Dan Bernath	Yes (2 of 22)	2009-Current	\$93,000,000	■	■
Town of Rossville	Rossville, IN	2	Chad Colby	(765) 379-2645	Matt Meyer	Yes (2 of 2)	2016-2019	\$5,000,000		■
Rushville Utilities	Rushville, IN	1	Les Day	(765) 932-4124	Mark Cvetkovich	Yes	2016-2017	\$4,000,000		■
Town of Russiaville	Russiaville, IN	1	Craig Thompson	(765) 883-5739	Mark Cvetkovich	Yes	2012-2013	\$800,000		■
Town of Shirley	Shirley, IN	1	Teresa Hester	(765) 738-6561	Matt Meyer	Yes	2023-2024	\$6,000,000		■
Shelbyville Water Resource Recovery Facility	Shelbyville, IN	4	Michelle Higdon	(317) 392-5131	Dan Bernath	No	2018-2019, 2022-Current	\$5,000,000		■
South Bend Municipal Utilities	South Bend, IN	2	Kieran Fahey	(708) 577-9378	Pat Stanford	No	2021-Current	\$32,000,000	■	■
Town of Upland	Upland, IN	1	Brad Felver	(202) 555-1212	Matt Meyer	Yes	2022-Current	\$5,000,000		■
Tipton Municipal Utilities	Tipton, IN	2	Jim Ankrum	(765) 675-7629	Mark Cvetkovich	Yes	2014-2016	\$8,000,000		■
Valparaiso City Utilities	Valparaiso, IN	11	Steve Poulos	(219) 462-6174	Pat Stanford	No	2014-2018	\$97,000,000	■	■
Town of Van Buren	Van Buren, IN	1	Michelle Sexton	(765) 934-3991	Paul Creasey	No	2018-2019	\$700,000		■
City of West Lafayette	West Lafayette, IN	5	Dave Henderson	(765) 775-5145	Mark Cvetkovich	Yes (1 of 4)	2015-2017, 2022-Current	\$79,000,000		■
City of Westfield	Westfield, IN	4	Kurt Wanniger	(317) 896-5452	Dan Bernath	No	2005-2007	\$19,000,000		■
Town of Westville	Westville, IN	3	Mike Albert	(219) 785-2123	Pat Stanford	Yes (3 of 3)	2021-Current	\$22,000,000		■
Town of Yorktown	Yorktown, IN	1	Pete Olson	(765) 759-4003	Dan Bernath	No	2011-2013	\$1,000,000		■
TOTALS	39 Communities	167				30		\$955,000,000		





CITY OF SOUTH BEND

Equalization Basin Project

South Bend, IN | Started: 2024 | Completed: 2025 | Total Contract: \$22.8M

This project was built to eliminate sewer overflow to the St. Joseph River. It included construction of a Diversion Structure, Lift Station, 3M gallon holding tank, electrical building, and modifications to existing overflow structure.

Project Challenges:

- Diversion structure had to be built around the existing plant influent without bypass.
- Groundwater was present and the soil had characteristics that made dewatering difficult, requiring creativity to successfully complete dewatering.
- There were several high profile, large manpower jobs in the area that had most of the local craft working.
- During the pricing phase of the project, the job was over budget and required V.E. to be completed.

Resourceful, Responsive, Results:

- The job, as designed, was overbudget. We provided significant V.E. in a few areas that greatly reduced the cost of the job without sacrificing quality.
- The dewatering process was difficult. We had a plan for the soil type we thought we were going to see, but it was not what we'd anticipated when we started digging. It took multiple layers and shifting to get to a solution that would work in order to keep the project moving.
- Our team practiced one of Bowen's core values of "Never walking away from a problem" by finding solutions to issues that were not ours to solve.

PROJECT TEAM

Owner Contact

Kieran Fahey
708.577.9378

Bowen Contact

Jared Weber
317.646.2064

Engineering Partner

American Structurepoint
Stantec



CITY OF SOUTH BEND

WWTP Final Clarifier Nos. 1 -3 Improvements

South Bend, IN | Started: 2023 | Completed: 2025 | Total Contract: \$7M

This project included replacing Final Clarifiers 1 through 3, including the equipment, launders, weirs, baffles, structural rehabilitation, instruments, controls and associated electrical work.

Resourceful, Responsive, Results:

- Bowen assisted the Owner with value engineering ideas for cost savings to get project back within budget and be able to move forward with construction.
- Collaborated with the Owner and Engineer to complete the project under budget, allowing the Owner to move forward with other capital projects.
- Bowen assisted the Owner with value engineering ideas for cost savings to get project back within budget and be able to move forward with construction.
- Quality control measures led to Wall Height Modifications to ensure proper functionality of Clarifier.
- Modified existing Influent Gates to resolve existing overflow conditions that were overlooked during design.
- Coordinated with Vendor and Owner on reuse of existing anchor bolts that led to schedule and cost savings.
- Minimized plant impact with required shutdowns through preplanning activities and team efforts.

PROJECT SPECS

Rehabilitated (3) clarifiers and associated ancillary equipment

PROJECT TEAM

Owner Contact
Jacob Klosinski
574.235.9496

Bowen Contact
Justin Lubke
317.486.9781

Engineering Partner
Arcadis



CITY OF SOUTH BEND

North Water Treatment Plant Improvements

South Bend, IN | Started: 2022 | Completed: 2023 | Total Contract: \$3.6M

This project included the rehabilitation of five horizontal pressure filters and associated piping replacement located at the South Bend North Filtration Plant.

Project Challenges:

- Accessing the filters to safely and efficiently complete the scope of work.
- Critical time-line for the project. North Station could only be down during the low demand season.

Resourceful, Responsive, Results:

- Collaborated with the Owner and Engineer to identify scope of repairs to avoid overruns on the unit price work.
- Bowen originally did not bid the project due to the scope of work not being clearly defined. Worked with the Owner and Engineer to remove the ambiguity in the plans and specifications, allowing the project to bid and eventually finish under budget.
- Worked side-by-side with the Owner and Engineer to build a team that produced a quality end product that came in under budget. This allowed the Owner to use the savings on other necessary repairs and upgrades to the infrastructure.
- Worked with the Owner and Engineer to review and implement an industry procedure to charge the filter sand media in lieu of using Greensand. This saved the project cost and improved the schedule.



PROJECT SPECS

- 5 Horizontal Pressure Filters
- Shell Repairs
- Hatch Replacement
- Underdrain Replacement
- Media Replacement and Conditioning
- Sandblasting
- Painting



PROJECT TEAM

Owner Contact
Rebecca Plantz
574.235.5998

Bowen Contact
Mitchell Stull
317.650.8313

Engineering Partner
Black and Veatch



City of South Bend, IN

Pinhook WTP Improvements

Total Contract: \$1,785,000

Project Duration: 2/2021 - 1/2022

The Pinhook Water Treatment Plant was experiencing several issues related to aging filters and equipment and selected Bowen to update and repair the plant. This process involved completing filter rehabilitation by removing the existing media, cant strips, and caps and then installing a new IMS 200 caps, cant strips, and reinstalling the existing media after its been fixed. In addition, Bowen replaced several valves and actuators, and cleaned the clearwell.

Project Challenges:

- Bowen completed all changes while working in an active facility

Bowen Resourceful:

- Utilized craft's expert knowledge to discover problematic areas within plant and fix them efficiently

Bowen Responsive:

- Bowen collaborated closely with owner to create a plan of action in solving WTP issues

Bowen Results:

- Bowen overcame schedule / budget constraints to successfully achieve the project on time, and returned savings back to the City.

PROJECT SCOPE

- Filter Rehabilitation (8 cells)
- Valve Replacement
- Clearwell Cleaning
- HVAC Improvements
- Electrical Upgrades
- I&C Improvements
- Building Improvements
- New Chemical Lines
- New Backflow Preventers

PROJECT SPECS

- Install new cap and cant strip
- Install new filter media
- Replace valves
- Replace actuators

PROJECT CONTACTS

Bowen: Pat Stanford
219.746.7165

Client: Kieran Fahey
708.577.9378

Engineer: American Structurepoint



Valparaiso City Utilities

GSC WTP Improvements / Valparaiso, IN
Total Contracts: \$14,532,000
Project Duration: 3/2015 - 5/2016

Valparaiso City Utilities selected Bowen to construct updates to its existing water treatment plant. Upgrades included 8 new water wells and well houses, 5 miles of water main, 2 one-million gallon water storage tanks, rehabilitation of 2 existing water storage tanks, new PEMB addition, 2 new pressure filters, 2 new high service pumps, filter backwash capabilities including a new lift station and new 500,000 gallon backwash storage tank, yard piping, filter exposed piping, HVAC, electrical, and instrumentation and controls upgrade.

Project Challenges:

- Multiple site locations throughout the City of Valparaiso
- Multiple tie ins required planning, resourcefulness, and coordination with the Owner and Engineer

Bowen Resourceful:

- Collaborated with the Owner and Engineer on the project constructibility and equipment selection that resulted in cost and schedule savings

Bowen Responsive:

- Upgraded the existing facility without interrupting the plant's pumping capabilities

Bowen Results:

- Zero Injury
- Zero Incidents
- Under project budget, resulting in significant project savings given back to the Owner

PROJECT SCOPE

- Site Work
- Civil/Concrete Work
- Underground Piping
- Structural Steel Erection
- Pre-Engineered Building(s)
- Equipment Setting
- Ductwork
- Mechanical/Piping

PROJECT SPECS

- 8 new water wells and well houses
- 5 miles of 18" water main
- 2 new 1-million gallon water storage tanks and rehab 2 existing tanks
- PEMB addition
- 2 new pressure filters
- 2 new high service pumps
- New lift station
- New 500,000 gallon backwash storage tank
- Yard and filter exposed piping
- HVAC

PROJECT CONTACTS

Bowen: Pat Stanford
219.661.9770

Client: Steve Poulos
219.462.6174

Engineers: DLZ, Arcadis



INAW Borman Park WTP

Chlorine Gas Conversion / Gary, IN
Project Size: \$5,500,000 / June 2021-July 2022

Bowen supported the Borman Park WTP Facility in a successful Chlorine Gas Conversion. This project was completed as a part of Indiana American Water's ongoing program to convert all existing Gas Chlorine systems to Liquid.

Project Challenges:

- The project required fast completion as the initial contractor was unable to complete the project. Bowen competitively bid the project and completed the project within the client's needs despite the overall delay to the project.
- Bowen worked through the winter months, completing concrete and masonry work during inclement weather.
- Work took place in an existing facility and required excellent coordination to minimize disruption to plant operations
- The site for the project was on the location of an old school building. Bowen completed the demolition that included asbestos mitigation before starting the construction of the Sodium Hypochlorite building.

Bowen Resourceful:

- Based on the design of the School's foundation, Bowen elected to complete additional geotechnical investigation and testing that allowed for piling to be eliminated from the scope of the project. Bowen was able to return a savings of \$160K back to Indiana American Water.
- Bowen successfully achieved project completion within American Water's needs
- Zero Injuries on the project.
- The project exhibited the benefits of successful collaboration between Bowen, Hazen and American Water staff from both operations and engineering teams.

PROJECT SCOPE

- Site Work
- Civil/Concrete Work
- Equipment Setting
- Mechanical/Piping

PROJECT SPECS

- Demo of Existing System
- New Sodium Hypochlorite Building
- New Chlorine Tanks
- Chemical Feed Systems

PROJECT ATTRIBUTES

- Zero Injury
- Zero Incident
- Outage Work
- Design Build / EPC

PROJECT TEAM

- Bowen Contact: Pat Stanford
317.596.4626
- Hazen Contact: David Laliberte
919.818.8743



City of Delphi

GSC Water System Improvements / Delphi, IN
Total Contracts: \$12,922,847
Project Duration: 2/2019 - 10/2020



Bowen, teaming with Butler Fairman & Siefert (BF&S), 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, which allowed The City to update aging equipment while continuing to supply water.

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

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

PROJECT CONTACTS

Bowen: Pat Stanford
219.746.7165

Client: Craig Meyers
Water Superintendent
765.564.3944

Engineer: BF&S



Town of Remington

New Water Treatment Plant / Remington, IN
 Project Size: \$3,613,176 / January 2016 - May 2017

Bowen constructed a new water treatment plant for the Town of Remington, who used SRF financing to fund the project. After 121 years of providing well water, the Town of Remington is now able to pump filtered water, greatly increasing the water quality for its residents. Remington Water Works serves 643 customers and pumps on average 302,000 gallons of water daily.

The water treatment plant included a masonry building, concrete detention and backwash tanks, 3 horizontal pressure filters, 3 high service pumps, gas chlorination, chlorine scrubber, a SCADA system, aerator, 3 groundwater submersible pumps, and necessary piping and water main additions. There was rapid communication updates to existing wells. Bowen was able to complete this project one month ahead of schedule.

Bowen Resourceful:

- Maintained great communication with project team to minimize cost changes, down time, and main road closures.

Bowen Responsive:

- Great coordination between the City/Engineers/BECt o adapt to changes as project was underway.

Bowen Results:

- Completed project one month ahead of schedule and within budget. Minimized main road closures and down time.

PROJECT SPECS

- 4,300 sq masonry building
- 300 LF of 12' water main through field (C900 PVS Pipe)
- Precast tanl tops with concrete existing wells
- Concrete detention tank
- 800 gpm aerator
- Concrete backwash tank
- 3 horizontal pressure filters
- 3 high service pumps
- Gas chlorination
- Chlorine scrubber
- SCADA system
- 3 groundwater submersible pumps
- Yard piping
- Storm piping
- Water main

PROJECT TEAM

Project Manager: Pat Stanford
 219.661.9770

Client Contact: Mark Jones
 Remington WTP
 Superintendent

Engineer: Wessler Engineering

Emergency Response Approach

Bowen has a strong track record of delivering rapid emergency response support for our GSC partners across Indiana. An example in Shelbyville, IN demonstrates our ability to mobilize quickly and coordinate specialized resources. Following the initial notification, a Bowen superintendent was onsite within two hours to assess conditions and coordinate response efforts. Our internal dewatering team was engaged immediately, and equipment was delivered and operational within 23 hours of the first call.

Bowen's regional presence allows us to quickly deploy personnel, equipment, and materials when needed. For projects in the City, Bowen has local resources in most of north, central, and NW Indiana to support any emergency needs that may arise.

Our Project Managers and Superintendents maintain close coordination with internal teams to ensure readiness and responsiveness throughout the project lifecycle. This integrated approach allows Bowen to respond effectively to unexpected conditions while minimizing disruption and supporting the City's operational needs.



Multiple Performance Contracting Community

CITY OF SHELBYVILLE, IN EMERGENCY MANHOLE REPAIR | 10/2022

Bowen utilized nearby project teams to assemble an emergency response to serve the City of Shelbyville, a past and present GSC customer. We received a call on October 3rd stating a manhole was flooding from a broken future pipe stub. A Bowen superintendent was on site within 2 hours to examine the problem. That same day multiple superintendents and project managers collaborated with our shop to transport Bowen's self-perform drill rig swiftly to the site to begin dewatering. Bowen then assigned a nearby superintendent to manage the dewatering and sitework required to access the manhole and begin repairs.

Project Challenges:

- Depth of manhole is over 30 ft with the water table 11ft below grade
- Multiple utilities in the area

Resourceful, Responsive, Results:

- Bowen immediately assembled a team to evaluate the area and create a safe plan.
- Bowen owned and transported a dewatering rig to the site within 24 hours when not a single other dewatering contractor was available
- Bowen continued collaborating with other projects to divert manpower for Shelbyville

"I am downright impressed, beside myself. I don't even know what to say to convey how relieved I am at your response....I can't tell you how much I appreciate your team's enthusiasm doing this work."

- Kevin Kredit, Previous City of Shelbyville Supt.

PROJECT SCOPE

Site Work	Bypass Pumping
Dewatering	Manhole/ Pipe Repair
Hydro	
Excavation	Site Restoration

PROJECT SPECS

- Emergency Repair
- Zero Injury
- Zero Incident

PROJECT TEAM

Bowen Project Manager

Dan Bernath
317.596.4653

Bowen Drilling Manager

Mark Cvetkovich

Bowen Superintendents

Chris Adkins
Mark McClellan

Owner Contact

Shelly Higdon
Superintendent
317.392.5131

12:00 PM Shelbyville alerts Bowen to the emergency. Bowen developer calls superintendent who is onsite to assess within 2 hours. Decision is made that dewatering rig is needed. Drilling manager coordinates transport of rig from Lafayette to Shelbyville.

Rig arrives by 11:00 A.M. Nearby superintendent assigned to project. 3 wells are drilled and installed.

Dewatering to Correct Issue.

MON 10/3	TUES 10/4	WED 10/5	THURS 10/6	FRI 10/7
October 2022				

03

Section 3: Technical Approach

a) The scope of the project will be based on the description included in the Instructions to Respondents above.

It is our understanding that Edison WTP has not undergone major renovations since 2009. Planned work includes filter rehabilitation; upgrades to pumping, chemical feed, piping, HVAC, electrical, and SCADA systems; and a new building addition with improvements to the existing facility. Our schedule and responses are based on the RFQ, Addendum (3.20.26), and the 2.24.26 site visit.

b) Providers are encouraged to present evidence of their team's technical ability relative to such anticipated scope of work by providing a list of water treatment plant experience of the team.

Our team has extensive WTP experience, including gravity filter plants with chemical addition. The NW team has worked on similar facilities within South Bend's system and has incorporated potential solutions for arsenic removal in Edison's backwash water. Relevant municipal project references and NW team one-pagers are included in the reference section.

c) United Consulting will be the engineer of record to work with the selected Provider. Explain the Provider's experiences collaborating with Engineers on past design build or guaranteed savings contract for potable water projects.

Since 1999, over 30% of Bowen's work has been delivered with Alternative Delivery with preconstruction collaboration with the Design Engineer. As outlined in the executive summary, Bowen and Pat Stanford's successful experience working with our engineering partner ensures that you receive maximum value on your project. Bowen's approach to collaborative teamwork over the course of this project include:

Design-Assist Phase

- In person Project Kick-off Meeting and Partnering Session
- In person Meetings with Engineering team during conceptual/process design
- Provide resources to address the City's operators' needs and questions
- Establishing weekly "Rhythm Calls" to discuss design progress
- Providing on-going design reviews looking for constructibility and value engineering opportunities
- Providing estimating and project controls resources for cost and schedule impact comparisons
- Assist in prioritizing design documents to fit schedule needs (ex: Support of Early Release of Equipment)

The constructibility input incorporated and collaborative relationship developed during the design development process leads to a smooth and efficient construction process.

Construction Phase

- Active, collaborative planning for scope of work
- Advanced notification of any design/construction resolutions needed (no fire drills)
- On-going feedback for United Consulting with construction details refinement
- Daily Progress Meetings ("End of Shift Meetings") that can be attended by any team member
- Monthly reporting on project contingency use and project cost savings/over-runs
- Actively collaborative planning for commissioning and start up of new facilities

Bowen has close to a decade of successful partnership with United Consulting on municipal water and wastewater GSC projects. Over that time, we've collaborated on a range of complex projects, consistently delivering high-quality results and maintaining a smooth, solutions-focused working relationship. See Bowen's engineering partnership one-pager with United Consulting on the following page.

If it's helpful, you're welcome to reach out to United Consulting to hear their perspective on our prior collaboration and how they've experienced our continued partnership over the years.



PROJECT AND PARTNERING EXPERIENCE

PROJECT NAME	TOTAL CONTRACTS	LOCATION	PROJECT DELIVERY
MSD 2020 Phased Capital Improvements	\$20,000,000	Muncie, IN	Traditional
MSD Northview Roadway and Drainage Improvements	\$2,800,000	Muncie, IN	Guaranteed Savings Contract
MSD Hoyt Ave Sewer	\$4,500,000	Muncie, IN	Guaranteed Savings Contract
MSD WPCF Upgrades	\$29,000,000	Muncie, IN	Guaranteed Savings Contract
MSD CSO Upgrades	\$17,000,000	Muncie, IN	Guaranteed Savings Contract



5

Projects

9

Years of
Partnership

\$73_M

Total
Contracts

SHARED MARKET EXPERIENCE

- Municipal Water
- Municipal Wastewater
- Stormwater Management

04

Section 4: Project Implementation

CAUTION
Slippery Area

- a) **Provider's Involvement:** Per IC 36-1-12.5-3 the Provider must perform at least 20% of the contract value with its own workforce. Please define how you will meet or exceed this requirement on a percentage basis relative to the work to be completed by your own workforce.

As a Provider, Bowen will self-perform 100% of the Provider and General Contractor responsibilities. The work that we perform with our own work force averages 80% or more on our past (100+) GSCs. For the proposed South Bend project, we would be able to utilize close to 90% of our self-performing capabilities. Since Bowen is a provider, construction manager, and contractor, this allows our company to far exceed the 20% requirement.

- b) **Project Management:** Describe how the project would be managed by the Provider. Describe method and means of communication plan for the City and staff. Provide project management documentation on past projects completed by the Provider.

During implementation, Pat Stanford will work to be the single point of contact when communicating with South Bend and United Consulting. Pat is one of Bowen's, and the industry's, most experienced GSC Project Managers. Pat and his team will be in charge of the schedule, along with United Consulting and the City, once construction is underway. A 4-week look ahead schedule is available throughout the entire project while Bowen is on site. View Bowen's full preliminary project schedule at the end of the executive summary.

Overview

Bowen will work with United Consulting to understand your stakeholders' desired level of progress reporting and will keep you updated at the regular intervals you require. The project schedule is a tool that will be developed by the individuals who will be using it, and it will be continuously updated to indicate project status and made available to your team. This process includes incorporating and reporting the earned value of work completed on the project from start to finish. This process will be guided by Bowen's SQP process outlined on the following page:

Weekly

- Resource Loaded Schedule Update
- Site Coordination / Plant Operations Meetings
- Subcontractor Progress Meetings

Monthly

- Schedule Update Noting Month's Progress
- Critical Path Review
- Any Required Written Corrective Action Planning

Quarterly

- Executive Reviews





BOWEN SQP (SAFETY, QUALITY, PRODUCTION)

We use our lean construction methodology to facilitate planning, eliminate waste, promote communication, drive accountability, and create continuous improvement.



We address each of these areas individually since they vary widely from one project to the next. By carefully analyzing our resource allocation, the information flows into our next pre-construction process: storyboarding. Story boarding is the detailed division of tasks by function and requirements to complete the project. By combining the seven elements of planning and storyboarding, Bowen is able to properly plan projects, staff them appropriately and thoroughly address critical path items.

COMMUNICATION AND COLLABORATION

The Bowen team regularly uses the Autodesk integrated suite of tools to facilitate project communication, collaboration, and sharing files for your project. Autodesk Build is a tool used to maintain a conformed set of engineering files, communicate schedule and pricing updates, and document progress updates throughout the project.

The software is modern and intuitive with build-in video training modules. In addition, Bowen maintains detailed SOPs and is ready to provide your team training on the function of the software. Ultimately, software like Autodesk is only as good as its inputs. Bowen's SQP Process drives the accountability and accurate information to ensure the tool is helpful and productive.

While Autodesk Build is Bowen's in-house software, we have experience working in different project management solutions like Fieldwire, Procore, Bentley ProjectWise, and more. Our goal is to support your project in the way that best suits your team. If there are any questions about the use of this software, please let us know.

BOWEN TYPICALLY USES THE TOOLS LISTED BELOW TO FACILITATE CONSTRUCTION AND COMMUNICATION. BOWEN CAN WORK IN A VARIETY OF SYSTEMS AND WORKFLOWS TO MEET YOUR REQUIREMENTS.



c) General Construction Subcontract: Identify the General Contractor Team Member who will perform the general construction and the approximate percentage of the contract value that such effort might represent. Explain the Provider's ability to work with such General Construction Team Member including experience working together on past projects.

Bowen is a Provider of Indiana Guaranteed Savings Contracts and also a General Contractor who would perform 100% of the general construction for South Bend. Bowen has been a General Contractor in the water and wastewater improvements industry for over 55 years. Our knowledge provides the City with the most experienced team for Indiana Guaranteed Savings Contracts along with the most experienced General Contractor for Indiana water and wastewater improvements projects. This provides the City with:

- A single point of contact for all issues and communications
- Cost reductions eliminating a layer of mark-ups

Bowen has provided these proven benefits on past Guaranteed Savings Contracts implemented in Indiana.

d) Other Subcontractor's Involvement: Identify which portions of the project the Provider intends to implement with subcontractors and how the subcontractors will interact with the Team.

There are some items that Bowen does not perform with our own work force and intends to complete using qualified subcontractors, including masonry, painting, controls, and electrical work. Bowen will still be the single point of contact and accountable for all subcontracted work. We manage our subcontractors as if they were our craft. We hold them to the same safety standards and the same schedule standards. The City and United Consulting will have input and the final decision on any subcontractors and vendors used on the team.

e) Explain how Provider has participated in and documented compliance with the State Revolving Fund requirements for past projects including Davis-Bacon Wage Requirements, Green Project Reserve (GPR) Sustainability Incentive requirements, and American Iron and Steel Requirements (AIS).

Bowen has completed 30 SRF funded projects through alternative delivery, more than all of our competition combined. This doesn't count the many more traditional bid projects that we've completed that utilized SRF over the last 50 years. All of the wage requirements and procurement requirements including AIS are very familiar to our estimating and operations teams. Please don't hesitate to reach out to your SRF representative and ask how Bowen has preformed in the past.

05

Section 5: Financial Approach

a) Describe in detail the process that the Provider intends to utilize to obtain the best prices for the City. Explain why this approach is better than other available approaches.

Bowen will obtain the best prices for the City through the entire GSC process. We approach this from two different phases, Estimating (GMP development) and Construction. In the estimating stage the following makes Bowen's approach the best in the industry:

- **Estimating Experience** – Bowen's estimating team has been fine tuning production numbers for the past 55+ years, longer than any other provider. Specifically, Bowen has collaborated on over 100+ GSCs.
- **Equipment Pricing** – Bowen's size and Indiana vendor relationships allow us to obtain the best equipment/material pricing in the industry.
- **Value Engineering** – Bowen shines during the design phase by having 94 graduate engineers on staff to help/assist and provide ideas on process equipment with actual costs. This allows the City and the Design Engineer to make the most informed design decisions.
- **Mark Up Reduction** – Bowen is a **Provider, Construction Manager, and Self-Performing Contractor**. This allows us to eliminate or reduce multiple layers of mark up on GSCs.
- **Self-performing Model** – Bowen's self-performing model is different than most Construction Management (CM) at risk models. This allows the owner to save the 5-8% fee of a construction manager.

Bowen does not stop trying to obtain the best overall price beyond the estimating stage. We continue to do so in the construction phase following the storyboarding session. To date, Bowen has delivered every GSC project under budget. After construction was underway, we saved over 10% through the following:

- **Construction Engineering** – Bowen has some of the most experienced superintendents in the industry allowing us to find better ways to construct your project even in the field.
- **Production Savings** – Our project managers and project engineers are meeting every morning on your job site to discuss better ways to install, which results in project savings for our customer.
- **Utility Rebate Savings** – Bowen's energy engineer has over four years of utility rebate and grant experience. This experience assisted the City of Huntington in receiving an \$80,000 custom utility rebate as well as the Town of Plainfield receiving a \$50,000 custom utility rebate.

b) Explain how the Provider plans to offer a Guaranteed Maximum Price, with no change orders, for this project.

After selection, Bowen will coordinate with the City and United Consulting to hold a project kick-off meeting. We will also establish an appropriate contingency to address project unknowns. These are the steps we plan to take to develop your GMP:

If combining these meetings will better meet the schedule needs of the City, we are fully prepared to do so.

- **Design Kick-Off Meeting** - This meeting is critical to the process so we can align with upcoming construction seasons to start and finish your project efficiently.
- **Budgetary Kick-Off Meeting** - This meeting will be an opportunity to exchange documents with the engineer, establish weekly calls and get questions answered by our estimators. During weekly calls, our estimators evaluate design changes, provide cost impacts, and recommend solutions and alternatives as needed. Throughout we will deliver updates on refining the baseline budget through 30% and 60% design.
- **Vendor / Subcontractor Meetings** - As appropriate, we conduct individual meetings with key vendors and subcontractors to include their expertise. We use our relationships with process equipment manufacturers and local subcontractors to validate budgets and changes throughout the design phase.
- **GMP Delivery Meeting** - This is our opportunity to review overall pricing components, the risks of the project and how they relate to the contingency. **The contingency will be presented as a stand alone number for transparency purposes.** Even at this stage, if there is a portion of the scope that isn't designed and an allowance is accounted for in the GMP, we may recommend further design development before presenting the GMP proposal to the City.

- c) Explain your firm's approach to open book pricing allowing the City to view the pricing structure (markup covering overhead and profit) of the Qualified Provider and subcontractors. Explain your firm's approach to open book pricing allowing the City to view the contingency for the project. Explain your firm's approach to open book pricing allowing the City to view savings from value engineering or other project cost reductions. Submit proposed contractor's fee for the construction contract.

Bowen brings a true open book pricing model to the City. Being able to self-perform work using our Bowen team allows us to show prices down to the labor hours, equipment prices, and raw material costs.

Construction savings related to on-site value engineering, production increases, or project cost reductions, such as buy out savings, are also shown in our open book pricing. These savings are added onto the contingency dollars and can be used towards the end of the project at cost with no additional fee (or at the project team's discretion for the project wish list items). An example of the open book pricing with Valparaiso City Utilities EKPCF Improvements Project where Pat is the PM is provided at the end of this section, for reference.

- d) Provide proof that the Provider can furnish a Performance Bond and a Payment Bond each in the amount of 100 percent of the project.

Please refer the letter from our bonding company in Section 7, the Appendix, which attests to Bowen's ability to satisfactorily meet all bonding requirements for this project.



City of South Bend, IN Equalization Basin Project

DIVISION	DIVISION CODE	DESCRIPTION	QTY	UNIT OF MEASURE	COST TYPE	BID PRICE	VENDOR	LUMP SUM CONTRACTS	COST TO DATE	ESTIMATED FINAL COST	PROJECTED SAVINGS AT COMPLETION	PROJECTED OVERRUNS AT COMPLETION	COMMENTS
DIV 1	01003-00	LIVING EXPENSES	16	WK	M	\$ 60,490	Bowen		\$ 44,969	\$ 60,490	\$ -	\$ -	
DIV 1	01022-00	SMALL TOOLS	16	WK	M	\$ 303,765	Bowen		\$ 235,799	\$ 303,765	\$ -	\$ -	
DIV 1	01050-00	SITE LAYOUT	100	LS	M	\$ 6,875	Bowen		\$ -	\$ 6,875	\$ -	\$ -	
DIV 1	01060-00	BONDS & INSURANCE	100	LS	M	\$ 192,437	Bowen		\$ 201,491	\$ 238,437	\$ -	\$ -	\$46,000 Added from contingency
DIV 1	01200-00	EQUIPMENT FUEL CHARGES	50500	GL	M	\$ 195,766	Bowen		\$ 14,348	\$ 195,766	\$ -	\$ -	
DIV 1	01505-00	MOBILIZATION/DEMOB-SHOP COST	100	LS	M	\$ 34,820	Bowen		\$ 8,688	\$ 34,820	\$ -	\$ -	
DIV 1	01513-00	JOBSITE TOILET	100	LS	S	\$ 14,580	Sanitation Services		\$ 10,259	\$ 14,580	\$ -	\$ -	
DIV 1	01532-00	TEMP/PERSONNEL BARRIER	100	LS	M	\$ 17,260	Bowen		\$ -	\$ 17,260	\$ -	\$ -	
DIV 1	01590-00	JOBSITE OFFICE TRAILER	1	LS	M	\$ 16,000	Bowen		\$ 5,891	\$ 11,000	\$ 5,000	\$ -	
DIV 1	01592-00	SUPPLIES-FIELD,OFFICE	105	WK	M	\$ 27,932	Bowen		\$ 11,630	\$ 27,932	\$ -	\$ -	
DIV 1	01711-00	CONTINUOUS CLEANUP	105	WK	M	\$ 35,649	Bowen		\$ 36,482	\$ 35,649	\$ -	\$ 833	
DIV 1	01904-00	CONTINGENCY	100	LS	M	\$ 2,028,108	Bowen			\$ 1,358,135	\$ -	\$ -	
DIV 2	02071-00	DUMP FEE	3000	CY	M	\$ 55,583	GE / Duneland		\$ 12,598	\$ 55,583	\$ -	\$ -	
DIV 2	02140-00	DEWATERING	100	LS	S	\$ 22,216	Griffith		\$ 38,525	\$ 38,525	\$ -	\$ 16,309	
DIV 2	02076-00-11	AERATION TANKS SAWCUTTING	100	LS	S	\$ 2,664	ConCut & Break		\$ -	\$ 2,664	\$ -	\$ -	
DIV 2	02076-00-14	BLOWER BLDG SAWCUTTING	100	LS	S	\$ 8,266	ConCut & Break		\$ 1,550	\$ 1,550	\$ 6,716	\$ -	
DIV 2	02076-00-30	FILTER BLDG SAWCUTTING	100	LS	S	\$ 233,493	ConCut & Break		\$ 101,890	\$ 171,890	\$ 61,603	\$ -	
DIV 2	02076-00-50	WEST DIGESTER SAWCUTTING	100	LS	S	\$ 576	ConCut & Break		\$ -	\$ 576	\$ -	\$ -	
DIV 2	02076-00-70	WAS BLDG SAWCUTTING	100	LS	S	\$ 13,000	ConCut & Break		\$ -	\$ 13,000	\$ -	\$ -	
DIV 2	02076-00-71	BIOGAS/BOILER SAWCUTTING	100	LS	S	\$ 2,408	ConCut & Break		\$ -	\$ 2,408	\$ -	\$ -	
DIV 2	02076-00-91	PIPE GALLERY SAWCUTTING	100	LS	S	\$ 371,632	ConCut & Break		\$ 136,867	\$ 216,867	\$ 154,765	\$ -	
DIV 2	02086-00-51	CLEAN EAST DIGESTER TANK	100	LS	S	\$ 42,550	Accu-Dig/BADGER		\$ 31,878	\$ 31,878	\$ 10,672	\$ -	
DIV 2	02086-00-50	CLEAN WEST DIGESTER TANK	100	LS	S	\$ 47,550	Accu-Dig/BADGER		\$ -	\$ 47,550	\$ -	\$ -	
DIV 2	02086-00-51	CLEAN DAF UNITS	100	LS	S	\$ 8,000			\$ -	\$ 8,000	\$ -	\$ -	
DIV 2	02180-00	TEMP PIPE SUPPORT	3400	EA	M	\$ 75,000	Steel Supply		\$ 25,007	\$ 75,000	\$ -	\$ -	
DIV 2	02226-00	HAULING	1000	CY	S	\$ 43,159	TJ/GE/Plina		\$ 24,635	\$ 43,159	\$ -	\$ -	
DIV 2	02238-00	GRANULAR MAT'L, OTHER	2444	TN	M	\$ 88,612	TJ/GE/Plina/Dune		\$ 42,266	\$ 88,612	\$ -	\$ -	
DIV 2	02270-00	SLOPE PROT & EROSION CONT	100	LS	M	\$ 6,470	Bowen		\$ 2,278	\$ 6,470	\$ -	\$ -	
DIV 2	02510-00	ASPHALT PAVING	318	TN	S	\$ 119,479	Site Services	\$ 99,480		\$ 99,480	\$ 19,999	\$ -	
DIV 2	02933-00	SEEDING	2928	SY	M	\$ 7,320	Bowen		\$ 1,445	\$ 7,320	\$ -	\$ -	
DIV 2	02951-00	LANDSCAPE FABRIC	608	SY	M	\$ 3,042	Bowen		\$ 2,062	\$ 3,042	\$ -	\$ -	
DIV 2	21016-00	VAC TRUCK POTHOLING	100	LS	S	\$ 75,695	Accu-Dig		\$ 33,901	\$ 75,695	\$ -	\$ -	
DIV 2	21016-00-11	AERATION WASTE REMOVAL	100	LS	S	\$ 56,000	Tierra		\$ 45,435	\$ 90,000	\$ -	\$ 34,000	Vac Truck costs

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DIV 2	21016-00-30	FILTER BLDG MEDIA REMOVAL	100	LS	S	\$ 100,000	BADGER		\$ 44,049	\$ 44,049	\$ 55,951	\$ -	Vac Truck costs
DIV 2	02110-00	SITE CLEARING / GRUBBING	100	LS	S	\$ 7,500	Bowen		\$ -	\$0	\$ 7,500	\$ -	Savings from RFI 24
DIV 3	03100-00	CONCRETE FORMWORK MATERIAL	100	LS	M	\$ 25,000	White Cap		\$ 17,505	\$ 25,000	\$ -	\$ -	
DIV 3	03100-00-91	PIPE GALLERY FORMWORK MATERIAL	100	LS	M	\$ 30,161	White Cap		\$ 23,723	\$ 30,161	\$ -	\$ -	
DIV 3	03100-00-30	FILTER BLDG FORMWORK MATERIAL	100	LS	M	\$ 83,805	White Cap		\$ 19,249	\$ 83,805	\$ -	\$ -	
DIV 3	03100-00-01	CONCRETE ACCESSORIES	100	LS	M	\$ 1,318	White Cap		\$ 5,890	\$ 1,318	\$ -	\$ -	
DIV 3	031224-00-30	TEMP CHANNEL BULKHEADS IN FILTER BUILDING	240	EA	M	\$ 12,500	Bowen		\$ 113	\$ 12,500	\$ -	\$ -	
DIV 3	03151-00	TUNNEL SCAFFOLDING	100	LS	S	\$ 435,418	Safeway		\$ 285,254	\$ 322,795	\$ 112,623	\$ -	
DIV 3	03151-00-30	FILTER BUILDING SCAFFOLDING	100	LS	S	\$ 311,402	Safeway		\$ 168,919	\$ 168,919	\$ 142,483	\$ -	
DIV 3	03207-00	DRILL & GROUT DOWELS	826	EA	M	\$ 2,890	White Cap		\$ 12,943	\$ 12,943	\$ -	\$ 10,053	
DIV 3	03210-00	REINFORCING STEEL MATERIAL	74	TN	M	\$ 114,962	CMC	\$ 86,726		\$ 86,726	\$ 28,236	\$ -	
DIV 3	03210-00	REINFORCING STEEL SUBCONTRACTOR	74	TN	S	\$ 109,480	AMG Services	\$ 121,220		\$ 121,220	\$ -	\$ 11,740	CO #1 added
DIV 3	03264-00-01	PIPE GALLERY WATERSTOP	2409	LF	M	\$ 35,728	White Cap		\$ 11,346	\$ 11,346	\$ 24,382	\$ -	
DIV 3	03264-00-30	FILTER BUILDING WATERSTOP	2409	LF	M	\$ 50,578	White Cap		\$ 33,346	\$ 50,578	\$ -	\$ -	
DIV 3	03300-00	CONCRETE MATERIAL	1331	CY	M	\$ 299,600	Smith Ready Mix		\$ 172,408	\$ 299,600	\$ -	\$ -	
DIV 3	03312-00	PIPE GALLERY PUMP TRUCK	720	CY	S	\$ 24,282	Yard 1		\$ 37,281	\$ 24,282	\$ -	\$ -	
DIV 3	03312-00-30	FILTER BLDG PUMP TRUCK	720	CY	S	\$ 24,282	Yard 1		\$ 5,425	\$ 24,282	\$ -	\$ -	
DIV 3	03319-00	CONCRETE TESTS	100	LS	S	\$ 41,403	Alt Witzig		\$ 10,536	\$ 41,403	\$ -	\$ -	
DIV 3	03700-00-01	TUNNEL CONCRETE REPAIRS	100	LS	S	\$ 5,000	Bowen		\$ -	\$ 5,000	\$ -	\$ -	
DIV 3	21300-00	PRECAST MANHOLES	100	LS	M	\$ 14,872	Indiana Precast		\$ 5,888	\$ 14,872	\$ -	\$ -	
DIV 4	04000-00	MASONARY	100	LS	S	\$ 3,088	Couling		\$ 17,353	\$ 17,353	\$ -	\$ 14,265	
DIV 5	05500-00	MISC METALS	100	LS	M	\$ 798,300	Plesant Mount Welding	\$ 706,040		\$ 706,040	\$ 92,260	\$ -	Removed Flare Structure misc metal
DIV 7	07500-00	ROOFING	100	LS	S	\$ 46,133	Korellis Roofing		\$ -	\$ -	\$ 46,133	\$ -	Projecting we will not need roofing
DIV 7	07900-00-30	JOINT SEALERS, CAULK	2665	LF	M	\$ 13,314	Bowen		\$ 4,449	\$ 13,314	\$ -	\$ -	
DIV 8	08000-00	DOORS & WINDOWS	100	LS	M	\$ 38,724	Lazzaro		\$ 31,410	\$ 31,410	\$ 7,314	\$ -	
DIV 8	08331-00	OVERHEAD COILING DOOR	1	EA	S	\$ 15,000	Steve's Door Service		\$ 13,250	\$ 13,250	\$ 1,750	\$ -	
DIV 9	09900-00	PAINTING	100	LS	S	\$ 701,425	Prism	\$ 701,425		\$ 701,425	\$ -	\$ -	
DIV 10	10000-00	SPECIALTIES	100	LS	M	\$ 10,000	Bowen		\$ -	\$ 10,000	\$ -	\$ -	
DIV 10	10600-00	PARTITIONS	100	EA	S	\$ 55,955	Specialty	\$ 67,635		\$ 67,635	\$ -	\$ 11,680	Foot traffic rated roof CO
DIV 11	11000-00-71	BIOGAS FLARES, CONDENSATE, & ANCILLARIES	100	LS	M	\$ 356,000	S + J	\$ 350,000		\$ 350,000	\$ 6,000	\$ -	
DIV 11	11005-00	EQUIPMENT ANCHOR BOLTS	642	EA	M	\$ 14,000	Bowen		\$ 6,577	\$ 14,000	\$ -	\$ -	
DIV 11	11180-00-30	CHEM STORAGE TANKS	96	EA	M	\$ 45,000	Poly Processing/LAI	\$ 35,000		\$ 35,000	\$ 10,000	\$ -	
DIV 11	11241-00	POLYMER BLENDING SYSTEM	2	EA	M	\$ 143,774	Velodyne	\$ 144,574		\$ 144,574	\$ -	\$ 800	

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DIV 11	11242-00-30	CHEM FEED PUMPS	2	EA	M		\$ 65,000	Watson -Marlow	\$ 54,750	\$ 54,750	\$ 10,250	\$ -		
DIV 11	11285-00	SLIDE GATES	15	EA	M		\$ 154,100	Rodney Hunt	\$ 148,000	\$ 148,000	\$ 6,100	\$ -		
DIV 11	11352-00-31	FLOC MIXERS	12	DY	M		\$ 197,600	Invent	\$ 170,000	\$ 170,000	\$ 27,600	\$ -		
DIV 11	11361-00	CENTRIFUGE	2	EA	M		\$ 879,800	GEA Westfalia	\$ 879,800	\$ 879,800	\$ -	\$ -		
DIV 11	11371-00-14	BLOWERS	4	EA	M		\$ 370,900	Arzen/Drydon	\$ 351,050	\$ 351,050	\$ 19,850	\$ -		Silencers added to code
DIV 11	11379-00	BUBBLE AERATION DIFFUSERS	336	LS	M		\$ 219,350	EDI	\$ 219,350	\$ 219,350	\$ -	\$ -		
DIV 11	11385-00-51	GAS MIXING SYSTEM	100	LS	M		\$ 208,206	Vaughn/GAI	\$ 226,424	\$ 226,424	\$ -	\$ 18,218		CO #1 added
DIV 11	11393-00-30	FRP BAFFLES	8	EA	M		\$ 117,400	Windustrial	\$ 64,870	\$ 64,870	\$ 52,530	\$ -		
DIV 11	11401-00-31	NPW PUMP SKID	1	EA	M		\$ 59,750	Sencillo	\$ 104,025	\$ 104,025	\$ -	\$ 44,275		CO #1 added
DIV 11	11401-00-71	PROGRESSIVE CAVITY PUMPS	4	EA	M		\$ 87,692	Netsch	\$ 83,792	\$ 83,792	\$ 3,900	\$ -		
DIV 11	11700-00-30	PLATFORM SCALES	2	EA	M		\$ 67,090	Scaltron	\$ 53,117	\$ 53,117	\$ 13,973	\$ -		
DIV 11	11750-00-31	PILE CLOTH MEDIA FILTERS PKG	4	EA	M		\$ 1,993,000	Aqua-Aerobic Systems	\$ 1,993,000	\$ 1,993,000	\$ -	\$ -		
DIV 13	13232-00	FLOATING DIGESTER COVERS	100	LS	M		\$ 1,080,000	West Tech	\$ 945,257	\$ 945,257	\$ 134,743	\$ -		Corbel CO added
DIV 13	13232-00-53	DIGESTER COVER WELDING MATERIALS	7740	LF	M		\$ 30,960	Bowen	\$ 755	\$ 30,960	\$ -	\$ -		
DIV 13	13320-00	INSTRUMENTATION/ MONITOR INSTALL MTL	100	LS	M		\$ 16,600	Bowen	\$ -	\$ 16,600	\$ -	\$ -		
DIV 13	13320-00	INSTRUMENTATION/ MONITOR SUB	100	LS	S		\$ 2,470,600	Wunderlich-Malec	\$ 2,470,600	\$ 2,470,600	\$ -	\$ -		
DIV 13	1320-00-01	TEMPORARY PLC	100	LS	S		\$ 300,000			\$ 300,000	\$ -	\$ -		
DIV 13	13322-00-30	STATIC MIXER + INJCT. QUILL	3	EA	M		\$ 36,035	Westfall	\$ 20,508	\$ 24,600	\$ 11,435	\$ -		
DIV 14	14600-00	DAVIT CRANE	100	LS	M		\$ 7,500	Granger	\$ -	\$ 7,500	\$ -	\$ -		
DIV 14	14600-0-71	HOISTS & CRANES	100	LS	M		\$ 65,000	Granger	\$ 56,900	\$ 56,900	\$ 8,100	\$ -		
DIV 15	15001-00	PLUMBING	100	LS	M		\$ 21,000	Porter Pipe	\$ 41,118	\$ 40,358	\$ -	\$ 19,358		Self Performed; Labor Savings
DIV 15	15100-00	VALVE MATERIALS	100	LS	M		\$ 881,238	LAI/Dezurik	\$ 701,677	\$ 701,677	\$ 179,561	\$ -		
DIV 15	15140-00-11	N AERATION PIPE SUPPORTS	100	LS	M		\$ 47,950	Morrison/Kumar	\$ 48,099	\$ 48,099	\$ -	\$ 149		
DIV 15	15140-00-12	S AERATION PIPE SUPPORTS	100	LS	M		\$ 33,850	Morrison/Kumar	\$ 33,618	\$ 33,618	\$ 232	\$ -		
DIV 15	15140-00-14	BLOWER BLDG PIPE SUPPORTS	100	LS	M		\$ 7,400	Morrison	\$ 2,157	\$ 7,400	\$ -	\$ -		
DIV 15	15140-00-30	FILTER BLDG PIPE SUPPORTS	100	LS	M		\$ 14,000		\$ 1,186	\$ -	\$ -	\$ -		
DIV 15	15140-00-60	CHEM FEED/NPW PIPE SUPPORTS	100	LS	M		\$ 10,220		\$ -	\$ -	\$ -	\$ -		
DIV 15	15140-00-70	WAS PIPE SUPPORTS	100	LS	M		\$ 21,200		\$ -	\$ -	\$ -	\$ -		
DIV 15	15140-00-71	BIOGAS PIPE SUPPORTS	100	LS	M		\$ 51,803	Porter Pipe	\$ -	\$ 51,803	\$ -	\$ -		
DIV 15	15140-00-91	PIPE GALLERY PIPE SUPPORTS	100	LS	M		\$ 22,500	Porter Pipe	\$ 1,365	\$ 22,500	\$ -	\$ -		
DIV 15	15250-20	PIPING INSULATION	1300	LS	S		\$ 35,000	M&O Insulation	\$ 15,810	\$ 15,810	\$ 19,190	\$ -		
DIV 15	15500-00	HVAC	100	LS	S		\$ 784,000	Area Sheet Metal	\$ 820,030	\$ 820,030	\$ -	\$ 36,030		CO #1-8 added
DIV 15	17001-00	NPW PIPING MATERIAL	100	LS	M		\$ 228,892	Windustrial	\$ 39,081	\$ 228,892	\$ -	\$ -		

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DIV 15	17001-00	AERATION PIPING MATERIAL	100	LS	M	\$ 579,568	Morrison/Ferguson	\$ 604,042	\$ 604,042	\$ -	\$ 24,474	Rise in Material Cost	
DIV 15	17001-00	BLOWER BLDG PIPING MATERIAL	100	LS	M	\$ 108,130	Morrison	\$ 166,990	\$ 166,990	\$ -	\$ 58,860	Rise in Material costs, Temp Pipe, & Labor	
DIV 15	17001-00	HYDRONIC PIPING MATERIAL	100	LS	M	\$ 17,628		\$ -	\$ -	\$ -	\$ -		
DIV 15	17001-00	FILTER BLDG PIPING MATERIAL	100	LS	M	\$ 792,875		\$ 678,671	\$ 792,875	\$ -	\$ -		
DIV 15	17001-00	DIGESTERS PIPING MATERIAL	100	LS	M	\$ 109,159		\$ 99,582	\$ 109,159	\$ -	\$ -		
DIV 15	17001-00	WAS PIPING MATERIAL	100	LS	M	\$ 111,907		\$ -	\$ 111,907	\$ -	\$ -		
DIV 15	17001-00	BIOGAS PIPING MATERIAL	100	LS	M	\$ 20,469		\$ 3,072	\$ 20,469	\$ -	\$ -		
DIV 15	17021-00	TEST U.G. PRESSURE LINE	671	LF	M	\$ 2,684	Bowen	\$ 1,877	\$ 2,684	\$ -	\$ -		
DIV 16	16001-00	ELECTRICAL SUBCONTRACTOR	100	LS	S	\$ 8,121,880	Sweney	\$ 8,159,276	\$ 8,159,276	\$ -	\$ 37,396	Sweney Change Order #1 & #2	
						\$ 28,637,227		\$ 19,996,818	\$ 3,571,940	\$ 27,006,962	\$ 1,280,851	\$ 338,440	

	SAVE	LOSE
TOTAL:	\$ 942,411	0

PROJECTED NET SAVINGS / USE OF CONTINGENCY		
	SAVING	OVERRUNS
BUYOUT SAVINGS / ADDERS	\$ 1,280,851	\$ 338,440
EQUIPMENT & LABOR SAVINGS / OVERRUN	\$ -	\$ -
CONTRACT CONTINGENCY	\$ 1,358,135	\$ -
ITEMS FUNDED OUT OF CONTINGENCY	\$ -	\$ -
PROJECTED NET TOTAL SAVING / USE OF CONTINGENCY	\$ 2,300,546	\$ -



Contingency and Project Savings: 1424054 Valparaiso WWTP

Contingency Starting Balance	\$	2,028,108.00
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Contingency	Add/(Remove) From Contingency	New Balance	Comments
Additional Maintenance Bond	\$ (46,000.00)	\$ 1,982,108.00	
Temp Dewatering Press Rental	\$ (150,000.00)	\$ 1,832,108.00	
Electrical Subcontractor Change Order 1	\$ (82,553.00)	\$ 1,749,555.00	
Thermal Gas Flow Meters	\$ (18,300.00)	\$ 1,731,255.00	
Network Security	\$ (25,522.00)	\$ 1,705,733.00	
Pipe Gallery Hydronic Line Replacement	\$ (41,700.00)	\$ 1,664,033.00	
Pipe Gallery Awning	\$ (6,249.00)	\$ 1,657,784.00	
East/West Digester Door Material	\$ (26,900.00)	\$ 1,630,884.00	Pending Install Labor
Horse Prairie Sewer Repair	\$ (272,749.00)	\$ 1,358,135.00	

Contingency Allocated to Date	\$	(669,973.00)
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Buy Out Savings / Over Run (from buy sheet)	\$	942,411.14	
Projected Labor Savings (from above)	\$	-	
Contingency Remaining (from above)	\$	1,358,135.00	
	\$	2,300,546.14	Current Projected Savings

06

Section 6: Guarantee Management

a) Explain how the Provider plans to address the guarantee for this type of project and how it meets Indiana requirements of IC 36-1-12.5.

A guarantee ensures the project works as intended. If it does not, Bowen will correct any deficiencies per the contract.

Bowen plans to address the guarantee for this project by utilizing the same process that we have used on our past Guaranteed Savings Contracts for water/wastewater improvements. Our team also has experience implementing guarantees on 100+ GSCs in Indiana.

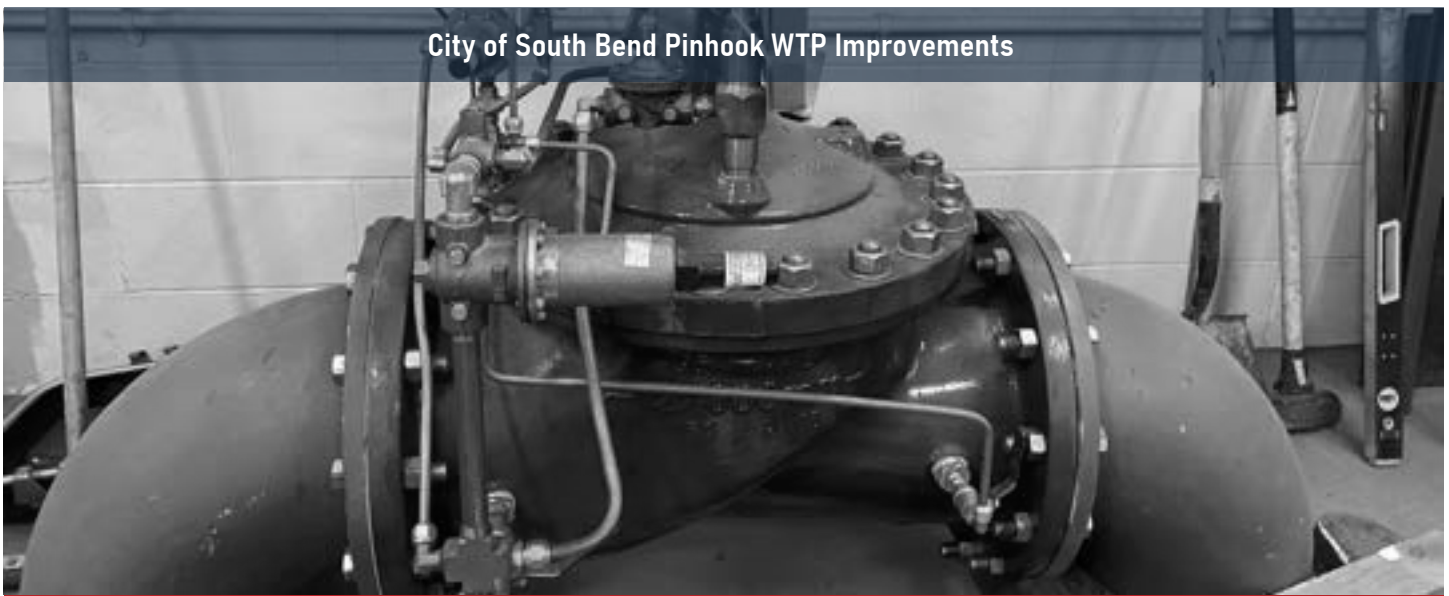
Operating costs savings include: reduction of future labor costs, future cost or revenues for contracted services, and future related capital expenditures. Based on our preliminary information, along with our Indiana GSC experience, we are confident that we can deliver a Savings Guarantee to the City that meets the requirements of IC 36-1-12.5.

After Bowen gathers detailed information, documentation will be produced that includes the above savings for all conservation measures. Other work required to properly implement the conservation measure would be included in the guarantee because it is "causally connected" (I.C.36-1-12.5-0.7).

To implement this GSC project for the City of South Bend, Bowen would recommend the following process:

- 1) Our engineers collaborate with United Consulting to evaluate the system
- 2) Discuss IDEM requirements to set expectations for the planning
- 3) A final list of conservation measures is generated
- 4) South Bend, United Consulting, and Bowen will finalize the scope
- 5) Value engineering is evaluated to reduce costs
- 6) Bowen delivers a report with guaranteed costs and savings
- 7) A project agreement is negotiated and authorized
- 8) The project construction begins utilizing open book pricing
- 9) Project construction savings are documented during monthly meetings
- 10) At completion all project construction savings and contingency are returned
- 11) Additional conveyance and treatment facility work can be completed with savings

The Bowen process is very flexible and can be tailored to fit the specific needs of the City of South Bend.



b) Describe the methodology used to compute the energy baseline.

Base year energy use is defined as, “energy consumption or demand during a period of any length before implementation of a conservation measure.” From there, we would estimate a base usage over the last two years. This would be the baseline when evaluating the Energy Conservation Measures (ECMs) provided in the GMP phase of the process. Examples of past WTP project baselines are available upon request.

c) Described the cost for guarantee management, schedule for delivery and describe the report.

The initial contract, including project savings, will be sent to the Office of Local Government Financial Authority 60 days after the contract is authorized.

Based upon the expected scope of work for the City, the guarantee and reporting would be at no additional cost. One year after substantial completion of the project, Bowen will deliver the first audited report. This document would also be sent by Bowen to the Office of Local Government Financial Authority after authorization by the City. The report will be completed and sent out annually during the term of the guarantee. This meets the requirements of IC 36-1-12.5-10.

Calculating and reporting savings is performed annually, as required. Minimizing audits to exactly what is required by code saves our clients time, resources, and money. Bowen’s reporting is done efficiently at no additional cost to our customers.

Bowen has been successfully reporting Indiana GSCs for our clients since 2008. All of Bowen’s Guarantee reports have been approved by the Department of Local Government Finance Authority. Please feel free to contact Jenny Banks, Director of Communications, (317-234-4376) with the DLGF to discuss our relationship. Bowen’s history and experience reporting Indiana water and wastewater projects are unmatched by any other Provider.

d) Note how an Energy Savings estimate will be prepared and applied to the process.

In the past, Indiana Guaranteed Savings Contract clients went through a burdensome process, mandated by the Provider, for the tracking and reporting of guaranteed energy savings. This process required:

- Reporting utility bills on a monthly basis
- Immediate reporting of changes in the facility
- Reporting of changes in the schedule of operation
- Costly tracking costs with low value

Bowen uses a process already implemented on most Indiana Guaranteed Saving Contracts. Our process uses detailed energy calculations documented by industry engineering standards, which are stipulated. This method:

- Is per the statute IC 36-1-12.5-3.7 & IC 36-1-12.5-11
- Uses Industry Engineering Standards per IC 36-1-12.5-2.5
- Proves the Energy Savings Upfront
- Is less burdensome on your staff
- Allows owners complete flexibility in operating their plants
- Drastically reduces the cost for reporting

Most importantly, utility infrastructure is a dynamic asset that can change dramatically over the next 20 years. Using a stipulated approach eliminates the need for continuous and expensive recalculation of how those changes affect the guarantee. Bowen’s staff also has experience with specific measurement and verification of energy savings, and this approach can be implemented by Bowen, if needed.

Bowen performs our energy calculations with our own engineering staff. Teddy Deahl, Bowen's Energy Engineer, is a "Certified Energy Manager" through the Association of Energy Engineering. Teddy's reporting experience extends back to his work at the Office of Energy Development (OED). The OED was once the state agency where the savings reports were held. As of June 2015, the reports are now being tracked by the Department of Local Government Finance (DLGF).

e) Note how an Operations & Maintenance estimate will be prepared and applied to the process.

Bowen's operational and maintenance savings calculation will reflect any operational savings or maintenance savings associated with this project. It shows actual expenditures from the municipal utility's assets that are being replaced as part of the guaranteed savings project. By replacing assets that have experienced numerous repairs over the years, the utility will reduce maintenance costs and can use those savings as a source to justify the project. Bowen will apply this method to estimate operational and maintenance savings on the City's project.

f) Note how a Future Capital Expenditure Savings estimate will be prepared and applied to the process.

Per the statute, we use Industry Engineering Standards, and in most cases, RS means estimating manuals. For each component in the system that is being replaced the annual savings value is calculated. The total of all of these components is the cost avoidance for the conservation measure. Bowen will apply this method to preparing a future related capital expenditure savings estimate.



City of South Bend WWTP Improvements GSC

07

Section 7: Appendix

[BONDING LETTER](#)

[2025 FINANCIAL STATEMENTS](#)

[CERTIFICATE OF QUALIFICATIONS - CONSTRUCTION SERVICES](#)

[CERTIFICATE OF QUALIFICATIONS - DESIGN SERVICES](#)



November 3, 2025

RE: Bowen Engineering Corporation
8802 North Meridian Street
Indianapolis, IN 46260

To whom it may concern:

Bowen Engineering Corporation is a highly regarded and valued client of Continental Casualty Company. Continental Casualty Company has an A.M. Best Rating of A XV and is listed on the U. Treasury Department's List of Approved Sureties.

We have had the privilege of providing surety bonds to Bowen Engineering Corporation for many years. Based on their current financial position, we would consider providing Performance and Payment Bonds up to \$850,000,000 single project and support a \$1,750,000,000 total work program. Naturally, we would expect that the execution of any final bonds would be subject to a review of the final contract terms, conditions, and financing by our client and ourselves.

Any arrangement for bonds required by the contract is a matter between Bowen Engineering Corporation and Continental Casualty Company and we assume no liability to you or third parties for any reason we do not execute these bonds.


If you have any questions regarding this company and their performance history or capabilities, please feel free to give me a call at (317) 853-3668.

Continental Casualty Company

DocuSigned by:

2A32F1B510FA4D6...

Robert I. Sherfick
Attorney-In-Fact

Signed by:


CERTIFICATE OF QUALIFICATION
to provide
CONSTRUCTION SERVICES
for
PUBLIC WORKS PROJECTS
to the
STATE OF INDIANA

This Certification Board, having duly considered application for qualification in terms of apparent experience and financial resources; and under the applicable Indiana Code 4-13.6-4 and adopted rules of this Board, hereby issues a Certificate of Qualification to provide construction services to the State of Indiana for Public Works Projects to:

Bowen Engineering Corporation

8802 N Meridian St

Indianapolis, IN 46260
(317) 842-2616

Phone
Fax
Company Official **Bill Fyffe, Vice President of Operations**

for the twenty-seven month period stated herein, unless revoked by this Board for cause, and in the classifications of services stated below. This certificate supercedes any previous certificate.

- 1541.01 Industrial Plants and Warehouses - no restrictions
- 1541.03 Additions, Alterations, Remodeling, and Repair - no restrictions
- 1542.01 Institutional Bldgs (Hospitals, Schools, Prisons) - no restrictions
- 1542.02 Commercial Buildings (Offices, Stores, Restaurants) - no restrictions
- 1622.01 Gen Contr-brdgs, vdcts, elvd hwys, rlwy, tnls - no restrictions
- 1623.03 Sewers and/or Water Lines - no restrictions
- 1629.03 Dam and Dike Construction - no restrictions
- 1629.05 Sewage & Water Treatment Plant Construction - no restrictions
- 1629.06 Pile Driving - no restrictions
- 1712.01 Boiler System Installation - no restrictions
- 1771.01 Concrete Construction - no restrictions
- 1791.01 Erection of Building Structural Steel - no restrictions
- 1794.01 Earthmoving and Land Clearing - no restrictions
- 1794.02 Excavation - no restrictions

CERTIFICATION DATE **03-27-2024**

EXPIRATION DATE 2026-06-27 12:00:00 AM

THIS CERTIFICATE ISSUED BY THE STATE OF INDIANA, PUBLIC WORKS DIVISION CERTIFICATION BOARD,
402 WEST WASHINGTON STREET, ROOM W467, INDIANAPOLIS, INDIANA 46204,
ALSO ACTS AS THE OFFICIAL NOTICE OF EXPIRATION.



Tracy L. Cross, Executive Secretary
Certification Board



CERTIFICATE OF QUALIFICATION
to provide
PROFESSIONAL DESIGN SERVICES
for
PUBLIC WORKS PROJECTS
to the
STATE OF INDIANA

This Certification Board, having duly considered application for qualification in terms of apparent experience and financial resources; and under the applicable Indiana Code 4-13.6-4 and adopted rules of this Board, hereby issues a Certificate of Qualification to provide construction services to the State of Indiana for Public Works Projects to:

BOWEN ENGINEERING CORPORATION

8802 N. Meridian Street

Indianapolis , IN 46260

Phone (317) 842-2616

Fax (317) 841-4258

Company Official Carey Weddle, Chief Financial Officer

for the twenty-seven month period stated herein, unless revoked by this Board for cause, and in the classifications of services stated below. This certificate supercedes any previous certificate.

CIVIL ENGINEER SITE DEVELOPMENT AND ROAD DESIGN
SANITARY ENGINEER WATER SUPPLY, WASTE WATER
TREATMENT AND ON-SITE DISPOSAL

CERTIFICATION DATE **05-22-2025**

EXPIRATION DATE 2027-08-22 12:00:00 AM

THIS CERTIFICATE ISSUED BY THE STATE OF INDIANA, PUBLIC WORKS DIVISION CERTIFICATION BOARD,
402 WEST WASHINGTON STREET, ROOM W467, INDIANAPOLIS, INDIANA 46204,
ALSO ACTS AS THE OFFICIAL NOTICE OF EXPIRATION.



Tracy L. Cross, Executive Secretary
Certification Board

DAPW PQ2 State Form 3983R Rev. 07/06



**BOARD OF PUBLIC WORKS
AGENDA ITEM REVIEW REQUEST FORM**

Date: 03/17/2026
 Name: Becca Plantz Department of Public Works – Engineering Division
 BPW Date: 03/24/2026 Phone Extension: 5998

Required Prior to Submittal to Board

BPW Attorney	X	Attorney Name Michael Schmidt
Dept. Attorney	<input type="checkbox"/>	Attorney Name _____
Purchasing	<input type="checkbox"/>	_____

Check the Appropriate Item Type – Required for All Submissions

<input type="checkbox"/> Professional Services Agreement	<input type="checkbox"/> Contract	<input type="checkbox"/> Proposal
<input type="checkbox"/> Open Market Contract	<input type="checkbox"/> Amendment/Addendum	<input type="checkbox"/> Special Purchase, QPA
<input type="checkbox"/> Bid Opening	<input type="checkbox"/> Bid Award	<input type="checkbox"/> Req. to Advertise <input type="checkbox"/> Title Sheet
<input type="checkbox"/> Quote Opening	<input type="checkbox"/> Quote Award	<input type="checkbox"/> Reject Bids/Quotes
<input checked="" type="checkbox"/> Proposal Opening	<input type="checkbox"/> C/O & PCA No. _____	<input type="checkbox"/> PCA
<input type="checkbox"/> Chg. Order, No. _____	<input type="checkbox"/> Traffic Control	<input type="checkbox"/> Resolution
<input type="checkbox"/> Other: Public Hearing		<input type="checkbox"/> Ease./Encroach

Required Information

Company or Vendor Name _____

New Vendor Yes If Yes, Approved by Purchasing
 No

MBE/WBE Contractor MBE WBE **Completed E-Verify Form Attached** Yes No

Project Name Edison WTP Improvement GSC

Project Number 123-067

Funding Source State Revolving Fund and Water Capital

Account No. _____

Amount _____

Terms of Contract _____

Special Contract Provisions _____

Purpose/Description Open submissions for Request for Qualifications from Providers of a Guaranteed Savings Contract for improvements to the Edison Water Treatment Plant.

For Change Orders Only

Amount of	<input type="checkbox"/> Increase	\$ _____
	<input type="checkbox"/> Decrease	(\$ _____)
Previous Amount		\$ _____
	Increase	_____ %
Current Percent of Change:	Decrease	(_____ %)
New Amount		\$ _____
	Increase	_____ %
Total Percent of Change:	Decrease	(_____ %)
Time Extension Amount:		_____
New Completion Date:		_____