



December 9, 2019

Mr. Peter Olson
Town of Yorktown, Town Manager
9312 W Smith Street
Yorktown, IN 47396

RE: Town of Yorktown
Wastewater Treatment Plant Upgrades
Guaranteed Savings Contract
TCI Guaranteed Maximum Pricing Proposal

Dear Mr. Olson & the Town Council:

Thieneman Construction Inc. (TCI) is pleased to present our Guaranteed Maximum Price (GMP) proposal to you and your Engineer; Butler, Fairman & Seufert (BF&S) for the wastewater treatment plant upgrades project. TCI proposes to perform upgrades to your wastewater treatment plant according to the BF&S Preliminary Engineering Report (PER) and project plans dated 9-12-19, 11-22-19 and 12-6-19. Our Guaranteed Maximum Pricing (GMAX) for this project is as noted in the table below:

Item #	Description	Value
1	Plant Influent Lift Station	\$ 50,000
2	Headworks	\$ 2,900,000
3	Primary Clarifier Rehabilitation	\$ 300,000
4	Aeration Tank Upgrades	\$ 200,000
5a	Final Clarifier (32' diam) Replacement	\$ 425,000
5b	Final Clarifier (40' diam) Rehabilitation	\$ 550,000
5c	Final Clarifier Gates	\$ 80,000
6	Solids Handling Upgrades	\$ 1,340,000
7	Chemical Addition Building	\$ 900,000
8	Sludge Drying Beds	\$ 100,000
9	Electrical and I&C	\$ 800,000
10	Sub-Total Construction Costs	\$ 7,645,000
11	Provider/Contractor Fixed Fee (7.5%)	\$ 573,375
12	Construction Contingency	\$ 600,000
13	Guaranteed Maximum Price (GMAX)	\$ 8,818,375

This pricing is based on the following Scope of Work and Proposal Clarifications:

Scope of Work:

1. **Influent Pump Station:** Provide and install new pump bases and isolation valves in the plant influent pump station. Any required bypass pumping is included.

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2. **New Headworks:** Construct a new Headworks facility complete with two screening channels (each channel rated for 2.0MGD with mechanical screens and isolation gates), one grit removal system, two grit pumps, and one grit cyclone/classifier. The new facility will be constructed on a reinforced concrete foundation and will have a masonry block and brick upper level with wooden trusses and shingles.
3. **Primary Clarifiers:** Completely demolish and replace all mechanical equipment within the existing Primary Clarifiers; including separating the one drive assembly at tanks #3 and #4 in to two separate drives.
4. **Aeration Tanks:** Rehabilitate the existing Aeration Tanks with new membrane diffusers and adding new variable frequency drives (VFDs) to the existing aeration blowers.
5. **Secondary Clarifiers:** Completely demolish and replace all mechanical equipment within the two smaller (32' diam) Secondary Clarifiers. Partially rehabilitate the mechanical equipment within the two larger (40' diam) Secondary Clarifiers, including sandblasting and recoating. Completely demolish and replace the slide gates within the Secondary Clarifier splitter box (noted as Special Structure #3; SS#3 on the drawings). Any required bypass pumping is included for the installation of the new gates in SS#3.
6. **Solids Handling:** Modify the existing sludge handling system with a rotary sludge press system. ***The final scope of this work is not finalized***, however, we have included the following *allowances*:
 - a. \$300,000 for conveyors for removal of the dewatered sludge
 - b. \$50,000 for some form of partial building enclosure around future dumpsters
7. **Chemical Feed:** Construct a new Chemical Building at the effluent of the plant. The new building will include new chlorination/dichlorination equipment as well as Alum chemical feed equipment for phosphorous removal.
8. **Sludge Drying Beds:** Rehabilitate existing Sludge Drying Beds #3 and #4 including removal and replacement of the draining media and underdrain and installation of concrete runner slabs.
9. **Electrical and I&C:** Improvements and replacements of existing plant electrical equipment; including new electrical service to the new Headworks Building and new Chemical Addition Building. Improvements will also include new local system integration at the new Chemical Addition Building and new Headworks building.

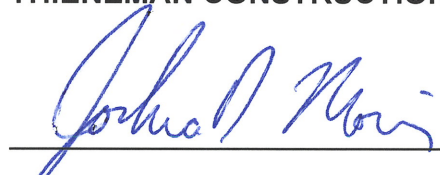
Proposal Clarifications & Exceptions:

1. We exclude any costs associated with upgrading the existing electrical feed coming in to the treatment plant. We anticipate that the existing feed is adequate to handle the new additional electrical loads. We exclude all coordination and permitting with the electrical utility.
2. We exclude coordination with other outside utilities.
3. We exclude any costs associated with upgrading the existing backup generators at the treatment plant and assume they are adequate to handle the new additional electrical loads
4. We exclude all costs for major groundwater dewatering pump systems. We have only included minor sumping to handle surface water from normal rain events.
5. We exclude all costs for identification, handling, and disposal of contaminated soil or rock excavation/removal.

6. No SCADA is included as we understand that the plant personnel are satisfied with the existing system.
7. As is customary with public works projects, we are anticipating this project is tax exempt and therefore we exclude all sales tax on permanent materials incorporated in to the plant upgrades.
8. Our proposal pricing is valid for 90 calendar days in order that the Town may acquire adequate funding for the project.
9. The temporary pilot system currently in use by the Town to meet the phosphorous limits will need to stay in operation beyond April 1, 2020.

We trust our proposal meets your approval. Thieneman Construction appreciates the opportunity to work with the Town on this very important project. If you have questions regarding our GMP proposal and/or need any additional information, please feel free to contact us.

Respectfully,
THIENEMAN CONSTRUCTION, INC.



Joshua D Morris, P.E.
Estimating Manager

Jim Ankrum
Vice President

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