



City of Joliet, Illinois

Eastside Wastewater Treatment Plant Phosphorous Removal Project

PRE-BID CONFERENCE
1:00 P.M. on December 19, 2018

AGENDA

1. *Verbal instructions, discussions, or clarifications made by either Owner or Engineer during the bid period and/or the Pre-Bid Meeting are non-binding. Only written Addenda are made part of the Contract Documents.*

Questions should be addressed to Mark Rokita of Donohue (mrokita@donohue-associates.com, 312-583-7241. Neither the Owner nor Engineer can guarantee questions delivered by other methods or to other individuals or entities.

2. Everyone is advised that this is a **mandatory** Pre-Bid Meeting. So please sign the Attendance Sheet.
3. The Work of this Contract is generally described as general construction of wastewater treatment facility including aeration basin modifications for biological phosphorus removal and addition of slide gates and valve actuators for flow control, chemical removal facilities as backup, sludge thickening system, thickened sludge pumping, piping and valve replacement in thickening building, rehabilitation process drain pump station, polymer system, ortho phosphorus analyzer, odor control unit, and misc yard piping improvements. General construction of new administration building and renovation of existing administration building into process control building. The work includes sitework, yard piping, structural, architectural, process piping and equipment, plumbing, heating, ventilation, air conditioning, electrical, and instrumentation and control.
4. Bid Closing: Bids will be received until **Thursday, January 24, 2019** at the Office of the City Clerk, City of Joliet Municipal Building by no later than 2:00 P.M. Local Time. The bids will then be opened publicly and read aloud immediately thereafter.
5. City Clerk's office requirements

To receive an award, a Contractor must be on the City of Joliet's List of Pre-qualified Contractors. Contractors can become prequalified by submitting IDOT or CDB certification. This documentation must be submitted prior to the bid opening date and time. If the Contractor does not have IDOT or CDB certification they can submit financial documentation to the City of Joliet for review by the City's Auditor. This information must be provided at least six days before the bid opening.

6. On the Bid Form ...

- Use the Bid Form included in the Project Manual
- Acknowledge receipt of addenda on both the bid form and on the outside of your envelope.
- Fill out the Unit Price Schedule. If the computed total written in is incorrect, the mathematical total takes precedence.
- Provide the Supplier's Price and Installed Cost for the manufacturer included in the Bid for items listed in the Base Bid Material and Equipment Schedule
- Owner has the right to accept or reject any bid.
- ***Sign the Bid Form.***

7. Include with the Bid Form:

- The Bid Form
- Affirmative Action for Equal Employment Opportunities (Executive Order 11246) as required in Section 00 30 10 in the Project Manual.
- Certification of Nonsegregated Facilities as required by Section 00 30 20 in the Project Manual.
- Notice to Labor Unions or Other Organizations of Workers Nondiscrimination in Employment as required by Section 00 30 30 in the Project Manual.
- Certification Regarding Debarment, Suspension and Other Responsibility Matters as required by Section 00 30 40 in the Project Manual.
- Prevailing Wage Requirements as required in Section 00 30 50 in the Project Manual.
- State of Illinois Loan General Conditions as required in Section 00 30 60 in the Project Manual.
- Bidder Certification In Compliance with Article 33E to the "Criminal Code of 2012" as required in Section 00 30 60 in the Project Manual.
- The IEPA-required DBE Participation documentation and certifications as required by Section 00 30 70 in the Project Manual.
- A fully completed and signed "Bidders Certification Regarding the Use of American Iron and Steel Products" form, as required by Section 00 30 80 of the Project Manual.
- The City of Joliet Affidavits provided in Section 00 30 90.
- Completed Bid Bond.

8. Bid Bond not less than 10% of computed Bid Price. See Article 8 of the Instructions to Bidders.

9. Bids are subject to acceptance for **120 days** after the bid opening date. Recommendation to City Council to issue Notice of Intent to Award will be presented in February of 2019. Notice of Award and Notice to Proceed cannot be issued until IEPA loan documents are finalized.

10. Contract Times:

- 600 Days to Substantial Completion
- 720 Days until final completion.
- Milestone No.1 - May 1, 2020: Complete all Work at Structure 900 – Admin Building including roadway and parking, entrance gate and fencing, and utilities. Landscaping is not included in Milestone No. 1.

- Milestone No. 2 - October 1, 2020: Complete all facilities required to achieve phosphorus removal limits set forth in permit including all Work at Structure 125 - Chemical Building, Structure 130 – Preliminary Treatment Building, Structure 150 – South Aeration Basin, Structure 160 – North Aeration Basin, Structure 170 – Blower Building, Structure 195 – W3 Pump Station, Structure 600 – Solids Processing Building, Structure 605 – Process Drain Pump Station, Structure 610 – Odorous Air System, Structure 700 Digester Control Building and Structure 705 – Tunnel, and related buried piping and electrical Work required for operation.
- See page 00 52 33-2.

11. Liquidated Damages:

- \$1,500 per day if Substantial Completion is not achieved on time.
- \$1,000 per day if Final Completion is not achieved on time.
- \$1,500 for each day that expires after Milestone 1 deadline.
- \$1,500 for each day that expires after Milestone 2 deadline.
- See page 00 52 33-2.

12. The project is being funded with IEPA loans

- The IEPA goal for Minority Participation for each trade is 20.9% and for Female Participation for each trade is 6.9%.
- Bidders have until 16 days before the bid opening date to have their DBE advertisement published in a daily newspaper. Bidders who do not comply with this requirement will be disqualified.

13. The City of Joliet requires that contracts over \$100,000 have 10% Minority Participation for the combined workforce on the job. The GC and all subcontractors will be required to submit certified payroll weekly identifying workers race and gender.

14. Wage Rates: Contractor and his/her subs must pay wages not less than the prevailing hourly wage rate for each classification of employee engaged on the Work as determined by the U.S. Department of Labor and the State of Illinois, whichever is higher. See the wage rates at the end of section 00 30 50.

15. Addenda: All Bidding Document holders should sign up for RSS feeds at <http://cityofjoliet.info/departments/finance/purchasing/bids-proposals/construction-public-utilities> to automatically receive addendums. Addendums will also be posted on the City of Joliet's website at <http://www.cityofjoliet.info/bids-proposals> and emailed to attendees at the pre-bid meeting who provide a legible email address.

It is anticipated that an addendum will be issued before the end of the year with additional addenda in January. The first addenda will address questions received prior to this meeting.

16. Planholders List: The City does not maintain a planholders list. The pre-bid meeting sign-in sheet will be posted to the City's website following the meeting.

17. Site Visits: Bidders shall contact the Plant Superintendent, Nick Gornick, at 815-724-3625 to schedule a site visit at Eastside. Bidders will not be allowed access to either plant site without making arrangements with the Superintendent.

18. Technical Items

- a. **Submittals:** For items that contain iron and steel products, Contractor is required, as part of the shop drawing process, to certify from the supplier that the particular item is made of American iron or steel. *(NOTE: The certification that the bidder supplies with his bid on bid day is not good enough!)*
- b. **SWPPP requirements** – Donohue believes that the project will disturb more than 1 acre. Therefore a SWPPP is required and the Contractor is responsible for complying with the SWPPP, maintaining erosion controls and paying IEPA’s Stormwater NPDES permit fee.
- c. Building Permits – Contractor will need to obtain a City of Joliet building permit. All fees associated with this permit will be waived.
- d. Site Water – City will provide a backflow preventer and water meter for the Contractor’s use when using City’s potable water system. Contractor will be required to pay for potable water used. Plant (non-potable) water should be used when filling tanks, etc.
- e. Site survey was a snapshot. Additional modifications, including demolition of existing structures is ongoing.
- f. Note requirements for offsite disposal of excess material (if any).
- g. **The “Summary of Work” Spec Section is important!** This section contains the recommended work sequence, construction constraints, and shut downs.
 - Construction Constraints (Section 01 11 00) list the work sequence and shutdown requirements.
 - The new Admin Building - Structure 900 shall be substantially complete prior to beginning Work on the existing Process Control Building - Structure 120.
 - At Process Control Building- Structure 120, the Work at the Control Room (Area Number 102) and Storage & Sample Room (Area Number 101) shall be substantially complete prior to beginning Work on the Laboratory (Area Number 103) and Water Laboratory (Area Number 111). Maintain access and provide temporary power, heating, cooling and ventilation to the Control Room (Area Number 102) and Storage & Sample Room (Area Number 101) during replacement of the HVAC systems.
 - The Laboratory (Area Number 103) and Water Laboratory (Area Number 111) in the Process Control Building cannot be out of service for more than 90 days. Complete Work within 90 day duration.
 - Total duration of Work at Process Control Building - Structure 120 shall not exceed 6 months.

- Contractor shall hire qualified firm to perform asbestos inspection of the Process Control Building per U.S. EPA National Emissions Standard for Hazardous Air Pollutants, Standard for Demolition and Renovation asbestos regulations (40 CFR 61) before beginning Work on Process Control Building. Provide estimated asbestos abatement costs for the asbestos containing material.
 - South Aeration Basin – Structure 150 Tanks 1 through 6 and North Aeration Basin – Structure 160 Tanks 7 through 12 will be shutdown to install DO sensors, ORP sensors, diffusers, mixers, gate actuators, slide gates and to construct baffle walls. Flow through each tank may be interrupted not more than one time for all Work at each aeration tank. Total of one tank at the South Aeration Basin and one tank at the North Aeration Basin can be shut down at any point in time.
- Liquidated Damages of \$100 per hour over shutdown time specified in Section 01 11 00.
- h. Salvaged Materials:** Section 01 35 16 indicates the following items shall be retained by the Owner:
- Structure 120: N-Tron switches and fiber patch panel located in SCC-MAIN (relocated)
 - Structure 120: Fiber patch panel in SCC-A (relocated)
 - Structure 120: Behind the cabinet VAC, AIR, NG, W1, HW and DI water piping (relocated)
 - Structure 120: Owner will remove and salvage appliances including washer machine, dryer machine, refrigerators, dish washer and vending machines.
 - Structure 120: Owner will remove and salvage lab equipment from Process Control Building.
 - Structure 170: Power Panel (PP-1)
 - Structure 120: Coordinate relocation of existing network hardware (including workstations) with Owner.
 - Structure 150 and Structure 160: Diffusers from North and South Aeration Basins
 - Site: Existing fence along Adler to be removed and salvaged as part of this project may be used during construction to maintain site security. Contractor shall remove and stack fence to be salvaged at location designated by Owner upon completion of project.
- i. Electrical Systems Studies:** Specification 26 05 73 lists requirements. Contractor must secure a sub-consultant to complete these studies.
- j. In-Factory Control Panel Testing:** Specification 40 61 21 lists requirements to be provided by Systems Integrator.
- k. Soil Borings, Geotechnical Info & Environmental Letter Report:** Soils Reports are bound in volume 1 of the specifications – after Division 0. **NOTE: The text on page 00 80 00-3 says that the only thing in the Geotech Report that the contractor can rely on are the soil boring logs themselves.**

I. Reference Drawings: The following reference drawings were provided for reference by the City of Joliet. These drawings are not part of the Contract documents. Modifications to these facilities have been made since the original construction.

- 1954_Sewers and Water Main Extensions_DivA.pdf
- 1954_Sewers and Water Main Extensions_DivB.pdf
- 1969_Water Pollution Control Improvements.pdf
- 1991_Nitrification_Phase 5.pdf
- 1991_Treatment Plant Improvements_Phase 3.pdf
- 1995_Sludge Storage Facility_Phase 1.pdf
- 1996_Sludge Storage Facility_Phase 2.pdf
- 2006_Digester Improvements.pdf
- 2007_Sludge Pump Replacement and Tank Repairs.pdf
- 2011_Blower and Fine Bubble Aeration Equipment Replacement.pdf
- 2011_Blower and Fine Bubble Aeration Equipment_One Line Markup
- 2011_UV Disinfection Structure and Outfall Pipe.pdf
- 2014_Influent Pump Station and Screen Replacement.pdf
- 2015_Structure 600 Gas and Water Main.pdf
- 2017_Site Electrical Improvements.pdf
- 2017_Wet Weather Treatment Facility.pdf
- Electrical from Structure 170 Blower Building.pdf

m. Construction Staking: Contractor is responsible for staking and layout of out the work. Engineer will check layouts before construction begins.