

SECTION 01060
SPECIAL CONDITIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Summary
2. Summary of Work
3. Work by Others
4. Work by Owner
5. Owner Furnished Product
6. Contractor's Use of Site and Premises.
7. Coordination with Owner's Operations
8. Order of Construction and Construction Schedule
9. Preconstruction Conference
10. Contractor's Superintendent's Field Office
11. Drawings and Contract Documents for Contractor's Use
12. Submittals
13. Project Meetings

B. Related Sections include but are not necessarily limited to:

1. Division 1 - General Requirements.

1.2 SUMMARY OF WORK

A. The purpose of this project is to anchor the launders in the D1, D2, and D3 Clarifiers to the existing launder supports to prevent floatation of the launders. Other clarifiers of the same age and type at the Water Pollution Control Facility have experienced degradation of the reinforcing steel anchoring the launders to the launder supports, allowing the launders to float from the supports. This project is intended as preventative maintenance to prevent the same issues in these three clarifiers. Work covered by the Lump Sum Base Price shall be as specified herein, and as reasonably inferred there from including, but not limited to, the following:

1. Cleaning of the existing launders and clarifier floor near launders prior to work being performed. Cleaning shall consist of pressure washing of the launders and enough clarifier floor space to allow safe contractor entry and use of equipment (scissors lift or other mechanized equipment.)
2. Install anchoring hardware into each launder support as shown on the attached construction detail. There are 83 launder supports in each clarifier; 249 total launder supports for the total project. See attached reference drawings for additional information.
3. Contractor is responsible for repairing any additional holes drilled, spalling, or structural damage to the concrete that is made in the completion of this work.

B. Sequencing

1. Clarifiers will be taken out of service one at a time.
2. Allow for two week's time between returning a clarifier to service and the start of construction on the next clarifier to allow for plant Operations staff to stabilize and adjust plant operation.

C. At completion, clean-up site and return site to pre-work condition.

1.3 WORK BY OTHERS

A. Other Contractors may be onsite performing work under separate contracts.

1.4 WORK BY OWNER

A. None.

1.5 OWNER FURNISHED PRODUCTS

A. Owner shall perform utility locates, if needed. Please provide at least two weeks advanced written notice of excavation activities to ensure adequate time to complete locates.

1.6 CONTRACTOR'S USE OF SITE AND PREMISES

A. If provided, locate field office, materials storage and staging areas, and limit use of site and premises to allow:

1. Uninterrupted operation of the Water Pollution Control Facility.
2. Work by others and work by Owner.
3. Continuous Owner access to the Water Pollution Control Facility through the Main entrance.

B. Temporary Utilities

1. Electricity: Power will be available to Contractor at no cost as long as its use does not hinder Owner's operations at Owner's sole discretion. Provide and maintain required facilities for use of electric power.
2. Heat: Provide and pay for heat devices and heat as required to maintain specified condition for construction purposes.
3. Telephone Service: Provide cellular phone service for Contractor's personnel.
4. Sanitary Facilities: Provide and maintain facilities and enclosures for employees.
5. Disconnect, dismantle, and/or remove temporary utilities when no longer required for the work.

C. Safety

1. The Contractor is responsible for becoming fully acquainted with the safety and health policies and procedures at the Cedar Rapids Water Pollution Control Plant prior to the commencement of work. This responsibility also extends to any subcontractors or suppliers retained or used by the Contractor. All employees of the Contractor who will be at the work site for more than four (4) consecutive hours shall participate in site-specific safety orientation and pass a written examination prior to work on site.
2. As specified in the General Conditions the Contractor is responsible for safety of their personnel and shall designate a site safety supervisor.
3. Contractor's site safety supervisor will jointly investigate with the Cedar Rapids Water Utilities Safety Coordinator any reported condition(s) that may pose a hazard to the safety and health of Cedar Rapids Water Pollution Control Facility employees that the Contractor's employees, including subcontractors and suppliers, may have created in the course of their work.
4. The Contractor will notify the Cedar Rapids Water Utilities Safety Coordinator of any OSHA-recordable illnesses or injuries sustained by the Contractor's employees, including subcontractors and suppliers, on Cedar Rapids Water Pollution Control Facility property and of any OSHA inspections or citations related to work conducted on Cedar Rapids Water Pollution Control Facility property.
5. The Contractor is responsible for providing gas monitoring equipment capable of monitoring oxygen, combustible gases, and hydrogen sulfide for their personnel.

D. Lockout/Tagout

1. Contractor shall coordinate all lockout/tagout activities with Owner's Operations Supervisor. Each Contractor employee, including subcontractors and suppliers, shall have their own personal locks. Tagout is NOT permitted.

E. Security:

1. The perimeter of the Water Pollution Control Facility is fenced. There are three vehicle gates, located along Bertram Road SE.
2. Contractor vehicle access to and from the site shall be through the Center entrance gate. OWNER reserves the right to limit number of Contractor vehicles on site and to tow unidentified vehicles from the site.

3. Contractor employee parking: Personal cars owned by Contractor employees shall be parked outside the fence in the parking lot designated for contractor use, or in the overflow lot North of Bertram Road SE, adjacent to the plant.
4. At all times during Project: Contractor shall keep roster of its employees and all visitors.
5. Contractor shall provide, maintain, and pay for security services, fences, and lighting as required to protect stored material, equipment, and field offices.
6. Deliveries: Contractor shall make arrangements for deliveries, loading, and unloading. Owner employees and/or equipment will not unload Contractor's deliveries.
7. Visitors: Short term visitors (such as field engineers, day laborers and vendors) to the Project Site who can not reasonably complete the required training shall be accompanied at all times by Contractor employee, who has been safety trained.

F. Cleaning:

1. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
2. Provide means of removing mud from vehicle wheels before entering roadways and adjacent streets.
3. Leave the site in a condition with an appearance equal to original condition.

G. Protect existing facilities and installed work. Repair or replace damaged facilities to original condition.

1.7 COORDINATION WITH OWNER'S OPERATIONS

A. All work requiring interface with existing facilities and operation of the Water Pollution Control Facility must be coordinated with a representative of the Cedar Rapids Water Pollution Control Facility to be designated by the Owner. Provide at least one week advanced notice for any required shutdowns.

B. The Contractor is prohibited from operating any valves, gates or other equipment at any time.

1.8 ORDER OF CONSTRUCTION AND CONSTRUCTION SCHEDULE

- A.** Construction operations will be scheduled to allow the Owner uninterrupted operation of existing adjacent facilities. Coordinate connections with existing work to ensure timely completion of interfaced items.
- B.** At no time shall Contractor or his employees modify operation of the existing facilities or start construction modifications without approval of the Owner except in emergency to prevent or minimize damage.
- C.** If Contractor does not take necessary action to accomplish work according to schedule, Contractor may be ordered by Owner in writing to take necessary and timely action to improve work progress. Owner may require increased work forces, extra equipment, extra shifts or other action as necessary. Should Contractor refuse or neglect to take such action authorized, under provisions of this contract, Owner may take necessary actions including, but not necessarily limited to, withholding of payment and termination of contract.

1.9 PRECONSTRUCTION CONFERENCE

- A.** A preconstruction conference shall be held after award of Contract. Owner will notify the Contractor as to the location, date and time of the conference one week in advance of the proposed date. Contractor's Project Manager and Project Superintendent shall attend.

1.10 CONTRACTOR'S SUPERINTENDENT'S FIELD OFFICE

- A.** Not required, but Contractor may establish Contractor's field office in an area identified by Owner.
- B.** Remove field office from site upon acceptance of the entire work by the Owner.

1.11 DRAWINGS AND CONTRACT DOCUMENTS FOR CONTRACTOR USE

A. Additional documents will be furnished as requested to the Contractor.

1.12 SUBMITTALS

A. Required Submittals

1. Submittals shall be required on the following:
 - a. Threaded 316 Stainless Steel Rods & Hardware
 - b. Stainless Steel Plating
 - c. Hilti HY-500SD Epoxy

B. General:

1. All submittals shall be provided in electronic form.
2. Submittals larger than 5 MB must be uploaded to the City of Cedar Rapids FTP site; contact the designated City of Cedar Rapids representative to have the appropriate folder set up on the FTP site.
3. All submittals and all pages of all copies shall be completely legible
 - a. Submittals which, in the Owner's opinion, are illegible will be returned without review.
4. Scope of any submittal and letter of transmittal
 - a. Provide listing of each component or item in submittal capable of receiving an independent review action.
 - b. Identify each item:
 - 1) Manufactures and Manufactures Drawing or data number.
 - 2) Unique page numbers for each page of each separate item.
 - 3) Coordinate and identify contents so all items can be easily verified.
 - 4) If proposed equipment or materials deviate from the Contract Drawings or Specifications in any way, clearly note the deviation and justify the said deviation in detail in a separate letter immediately following the transmittal sheet.
 - c. When submitting "or-equal" items that are not the products of named manufacturers, include the words "or-equal" in the item description.
 - d. Contractor's review and approval stamp shall be applied either to the letter of transmittal or a separate sheet preceding each independent item in the submittal.
 - e. Transmit all submittals to:

Matthew Jensen, P.E.
Email: m.jensen@cedar-rapids.org

1.13 PROJECT MEETINGS

A. Construction Meetings:

1. The Owner will conduct construction meetings involving:
 - a. Contractor's project manager.
 - b. Contractor's project superintendent.
 - c. Owner's designated representative(s).
 - d. Engineer's designated representative(s) as appropriate.
 - e. Contractor's subcontractors as appropriate to the work in progress.
2. Meetings will be conducted on an as needed basis at mutually agreed upon times.
3. The Owner will take meeting minutes and submit copies of meeting minutes to participants and designated recipients identified at the Preconstruction Conference. Corrections, additions or deletions to the minutes shall be noted and addressed at the following meeting.
4. The Contractor shall have available at each meeting an up-to-date schedule.

PART 2 - PRODUCTS - (NOT APPLICABLE TO THIS SECTION)

PART 3 - EXECUTION - (NOT APPLICABLE TO THIS SECTION)

END OF SECTION