

Advertisement for Bids

**Charter Township of Union
2010 S. Lincoln
Mt. Pleasant, MI 48858**

Separate sealed Bids for the construction of Wastewater Treatment Facility Improvements – Phase II (Funded by USDA Rural Development Funds)

will be received by Charter Township of Union at the office of Charter Township of Union located at 2010 S. Lincoln, Mt. Pleasant, MI, 48858 until 11:00 AM, (Local Time) on June 13, 2013, and then at said office publicly opened and read aloud.

Wastewater Treatment Facility Improvements – Phase II - The Work under this contract consists of the following listed items and includes, but is not limited to, the furnishing of all labor, materials, tools and equipment, to properly install, construct or complete as indicated on the drawings and specifications:

1. **Open Screw Pump.** Consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of one spiral screw, torque tube, upper and lower bearing assemblies, drive assembly, belts and sheaves, motor, deflection plates, lubrication system, grout and anchor bolts.
2. **Oxidation Ditches.** This structure consists of two tanks, each approximately 125 feet long and 54 feet wide with a center partition and curved endwalls. The tanks are approximately 14 feet deep. The tanks utilize common wall construction. The footings, walls, and floor shall be cast-in-place concrete. Work consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of the oxidation ditch equipment which include four rotor assemblies, flow control baffles, rotor covers, effluent weir assemblies, and walkways.
3. **Final Clarifier.** This structure consists of one cylindrical tank, approximately 60 feet in diameter by 16 feet deep. The footings, walls, and floor shall be cast-in-place concrete. Work consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of one final clarifier equipment which includes drive mechanism, influent feed well, center pier, center cage and truss arms, access bridge, surface skimmer, weir plates and scum baffle plates.
4. **Submersible Chopper Pump.** This structure consists of a precast concrete wetwell and valve vault. Work consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of the submersible chopper pump which includes the pump, guide rail system, recirculator, floats, piping, valves, aluminum hatches and instrumentation.
5. **Self Priming Non Clog Pump.** This consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of pump, floats, pump base, valves, reducers, tees and instrumentation.

6. **Positive Displacement Blower.** This consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of one positive displacement blower, inlet filter, silencer, flexible joint, pressure relief valve, check valve, isolation valve, butterfly valves, instrumentation, piping and tees.
7. **Aerobic Digesters.** This structure consists of two rectangular tanks, each approximately 65 feet long and 32.5 feet wide. The tanks are approximately 16 feet deep. The tanks utilize common wall construction. The footings, walls, and floor shall be cast-in-place concrete. Work consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of the aerobic digester equipment which includes coarse bubble diffusers, aeration piping, fittings, expansion joints and piping supports.
8. **Sludge Storage Tank.** This structure consists of a precast rectangular tank approximately 108 feet long and 76 feet wide. The tank is approximately 14 feet deep. The floor, walls, and cover shall be pre-cast concrete. Work consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of the sludge storage tank equipment which includes relief valves, piping, fittings, valves, valve operators, curb boxes, risers, aluminum hatches and carbon canisters.
9. **Tertiary Filter.** This structure consists of one concrete rectangular tank. The footings, walls, and floors shall be cast-in-place concrete. Work consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of the tertiary filter equipment which includes instrumentation, cloth disk assemblies (including replacement of existing cloth disks with new pile cloth), backwash cleaning system, drive mechanism, influent weir box, mounting brackets, installation and startup.
10. **UV Disinfection Channel.** This structure consists of an existing rectangular channel. Work consists of furnishing all labor, material and services necessary for construction, erection, installation, testing and start-up of UV modules, UV lamps, lamp end seals, lamp holders, UV lamp sleeves, module support racks and instrumentation. The existing UV disinfection equipment to be removed and salvaged to the Owner.
11. **Mechanical Lift Slide Gates.** Consists of furnishing all labor, material and services necessary for construction, erection, installation and testing of aluminum and FRP gates, frames, supports, stems, operators, rails and installation.
12. **Site Work.** This includes removal and replacement of asphalt drive, removal and relocation of yard hydrant and water main, installation of D.I., steel yard piping, installation of clean outs, silt fence, fence and site grading.
13. **Electrical Work.** This includes all labor, material, equipment to provide electrical service to equipment and lighting for this project, as indicated on the plans and specifications.

The Contract Documents may be examined, after May 15, 2013, at the following location(s):

1. **Gourdie-Fraser, Inc., 123 W Front Street, Traverse City, MI 49684**
2. **Charter Township of Union, 2010 S. Lincoln, Mt. Pleasant, MI, 48858**

3. McGraw-Hill Dodge Reports & Builder's Exchanges will have Contract Documents - View the list of Plan Holders on Gourdie-Fraser's website (instructions below)

Copies of the Contract Documents may be obtained **after May 15, 2013**, from **Gourdie-Fraser, Inc.** located at **123 W Front Street, Traverse City, MI 49684; 231-946-5874**, upon payment:

Plans and Specifications – Paper copy	\$150.00	(Non-Refundable)
Plans and Specifications – C.D. version	\$ 25.00	(Non-Refundable)

Payment must be received prior to release of Plans and Specifications. Faxed checks will not be accepted. We accept Visa, MasterCard, and Discover. If shipping plans to Contractors through overnight mail an additional fee of \$20.00 will be charged.

For a list of planholders, please visit the Gourdie-Fraser website at www.gfa.tc, go into the Project Center, then Planholders Lists, then select the appropriate Project. **Builder's Exchanges are authorized to share the contract documents with other exchanges.**

Bidders are responsible to research Addendums and Acknowledge Addendums on the Bid form. Addendums will be posted, at least three (3) days prior to Bid Opening, on the Gourdie-Fraser website at www.gfa.tc, go into the Project Center, then Advertisements, then select the appropriate Project, Addendums will be at the end of the Advertisement for Bids.

Each Bidder must deposit with their Bid, security in the amount and form as specified by the conditions provided in the Information for Bidders. Bids not accompanied by a proper Bid bond or certified check in the amount stated in the documents, or received after the above date and time will not be considered. Fax transmittals of Bids or Bid bonds will not be accepted.

The Owner reserves the right to waive any informalities or to reject any or all Bids.

No Bidder may withdraw their Bid within 90 days after the actual date of Bid opening.

Date