

Request for Proposal (RFP)

for

The construction, delivery and installation of a new 3000 Gallon Emulsion Tank for the Rome Township Highway Department

Issued: 12-3-2022

Deadline for Final Submission of Questions: 12-9-2022

Bid Date and Time: 12-13-2022

Public Bid Reading: 12-13-2022 at 6:00 P.M.

Anticipated Award Date: 12-13-2022

Bid Package will be made available to general contractors on December 3, 2022 at the Jefferson County Highway Department, 750 Old Fairfield Road, Mt. Vernon, IL 62864, electronically at jeffersoncountyillinois.com/projects or by email at countyengineer@jeffil.us.

Introduction

Rome Township invites proposals for the construction, delivery and installation of a 3000 Gallon Emulsion Tank to the Rome Township Highway Department located at 19753 N. Rockcrusher Lane, Mt. Vernon, IL 62864.

Rome Township is the Owner of the Property

This will be a tax-exempt project. Federal ID will be made available upon request.

Scope of Work

The proposed Emulsion Tank to be delivered to 19753 N. Rockcrusher Lane, Mt. Vernon, IL 62864 on the township owned parcel of land.

MINIMUM SPECIFICATIONS:

1. Tank shall be manufactured of ¼" carbon steel oriented to be mounted vertically. Tank should be of sufficient capacity to factor in a minimum drop quantity from our supplier.
2. Tank shall be attached to a steel support base. The base top shall be constructed of 5 X 1/4 box structural steel ASTM A500. A stand shall be provided consisting of welded cross members. Legs shall be 4 X 13 W.F. I Beams at a minimum rating of ASTM A/572A992. All materials shall be certified and supported with manufacturer documentation.
3. The tank loading/unloading valves shall be at the proper height (6'5") above the concrete pad) for gravity flow loading of trailer equipment.
4. Access steps/ladder and steel catwalk which gives easy access to the top of the tank and to allow the operator to stand comfortably to operate load/offload valve. Top of tank is fitted with an inspection door.
5. Articulating loader hose boom arm shall have 1 ½ inch spindles and utilize chain hose load supports to hold hose for loading into vessel.
6. Pump integration platform and electrical hook up for Viking Electric Pump.
7. Tank shall be equipped with two 3" Apollo ball valves that will be heated through an independent heat process.
8. There shall be a third 3-inch Apollo ball valve located in the floor of the tank vessel to allow for complete floor liquid removal/cleaning. These Apollo ball valves will be used for loading and unloading the stored emulsion.
9. Each valve shall have a lock out mechanism.
10. One valve shall be equipped with a 3" diameter 7-foot-long heavy-duty rubber unloading hose fitted on one end with a quick coupler to mate with the loading/unloading valve, and the other end with a heavy duty threaded 90-degree elbow fitting with steel drop sleeve.
11. Tank vessel shall be of 1/4" carbon steel. The tank vessel floor must be flat, without slope to offload valves located in the tank wall.

12. Tank must have an internal schedule 40 – 3-inch pipe located 6 inches from the top of the tank vessel for overfill protection. This shall allow overfill to discharge safely into external piping into a designated containment vessel.
13. Tank shall be wrapped with 3 inches of quality high density extreme heat compatible insulation material which also covers heat blanket area. Vessel must be wrapped with a corrosion resistant, flexible, high grade aluminum wrap to protect the vessel and electrical components from the weather. The Tank Vessel Support Ring must be attached to the top of the tank vessel with reinforcement members. The reinforcement members must span the entire tank to support the outer aluminum shell to prevent sagging or boozing and to keep the integrity throughout the entire tank vessel.
14. Tank shall be heated by a gentle, progressive, unconcentrated heat source. The tank must use heating blankets which are gentle and distribute the heat over a wide area. The blanket system must consist of 6 – 1,000 Watt/220-volt heat blankets in a series conforming to the outer circumference of the tank vessel. Blankets shall be controlled by an adjustable thermostat that is accessible from ground level. Heat blanket area shall have removable access panels for access or replacement, if necessary. No cutting of outer shell will be permissible.
15. Tank includes a mechanical paddle type agitation system, which is automatically controlled by a programmable agitation timer. Tank must have a paddle design that pulls liquid from the bottom of the tank to the top. There must be no more or no less than 12 inches of clearance between the paddles and the walls or floor of the tank. Agitator should not turn at a rate exceeding 6 rpms to avoid whipping the emulsion and causing separation. The shaft support with attached paddles must have tapered roller bearings mounted to the shaft top and powered by a mechanical power transmission system. The power transmission system must be constructed of stainless steel and controlled by a programmable system which allows for designated striation and duration. The agitation system and heating elements must work independently.
16. Tank includes a material quantity gauge, easily viewed from ground level, calibrated in 100-gallon or inches and feet increments. The material quantity gauge must be high grade aluminum to prevent weathering.
17. All electronic components shall be compatible for indoor or outdoor service.
18. Power out indicator light system is required.
19. Tank must have an access ladder to the top of the tank to allow access to an inspection door in the top of the tank. Ladder must be enclosed in a protective cage. Ladder must be OSHA compliant with gripped ladder rungs and must be secured as to not allow movement of the ladder rung.
20. An inspection hatch shall be located on the top of the tank vessel and shall have secondary safety bars in the top hatch to prevent accidental falls into the hatch.
21. The tank shall have an elastomeric roof coating on the entire top of the tank to seal all seams and will not fail under load of any persons. Tank will have a steel support area to allow personnel to walk on the tank.
22. Tank must have a 24" X 24" manway built into the lower wall of the unit. This shall allow easy access to the bottom inside of the tank should that be necessary.
23. All electrical components shall be pre-installed and pre-wired at the factory. The only electrical work required after delivery shall be the installation of 220-volt 100 and signal phase service line

to connect to the tanks main electrical service panel. All electrical systems must be independently resettable circuit breakers and be enclosed in a NEMA 3r weather proof box. There must be a spare circuit breaker available unless the circuit breaker is utilized for an electric pump or other function. Panel Box must house the programmable striation system, thermostat for vessel heat blanket system independent from striation system, power contact for the visual light indicator to power off system. The electrical feed for the power transmission striation system located at the top of the tank shall be in water tight UV rated conduit system. The panel must also have an external light indication for the ball valve heat active system. The panel must have a lock out tag out complete power shut down system. Power panel must incorporate a separate lock feature built into the panel box to secure complete unit.

24. Seller to provide a factory trained representative to assist in the installation and final operational preparations to ready the tank for operation. This representative will also provide complete operation and maintenance training to the customer.
25. Tank and workmanship must be the published standard for the last 10 years and shall have a minimum of one-year limited warranty.

Project schedule

Unless otherwise negotiated, delivery and setup of the Emulsion Tank shall be completed no later than 6 months from the award date.

Submission procedure

Proposals conforming to the requirements set out in this RFP must be received by Rome Township Road Commissioner Ed Mooney via email, or by US Mail, by courier, or in person no later than December 13, 2022.

Ed Mooney, RomeTownship Road Commissioner

C/O Jefferson County Highway Department

750 Old Fairfield Road

Mt. Vernon, IL 62864

countyengineer@jeffil.us

Electronic submissions shall include the Bid Form, and the contractor's proposed schedule. All components of the submissions shall be in PDF format.

Proposals must state that the bids are valid for at least forty-five (45) days.

All proposals shall include:

- a. Coversheet with contractor's name, address, phone, fax, email and contact information.
- b. Bid Price: Lump sum bid must include all materials and services required to fulfill the Scope of Work. Partial or incomplete bids will not be accepted.
- c. Proof of Insurance as required in this request for proposal.
- d. Addendum reflecting additions or deletions if necessary.

Physical proposals must be submitted in sealed opaque envelopes and marked:

Request for Proposals

For Rome Township

The name and address of the bidder must appear on the envelope.

Rome Township may consider any bid not prepared and/or submitted in accordance with the provisions herein as incomplete. Rome Township reserves the right to waive irregularities and to reject any and all bids. Rome Township also reserves the right to negotiate with the selected bidder in the event that price exceeds projected cost estimates.

Modification of Bids

Modification of bids already submitted will be allowed if submitted in writing prior to the bid date and time noted in this Request for Proposals. Modifications shall be submitted as such and shall not reveal the total amount of either the original or revised bids.

Opening, Evaluating and Contracting

The Rome Township Board will publicly read each contractor's proposed bid value and the value of their proposed alternatives at 6:00 P.M. on December 13, 2022.

Note that Rome Township is not legally obligated to select the lowest bidder. Rome Township reserves the right to select the contractor they deem the best fit to perform this work and best able to fulfill the interests of the Township. The Road Commissioner will review all submitted proposal materials prior to selecting a contractor for this project.

All proposals primarily satisfying the requirements of this Request for Proposals will be evaluated to establish which of the bids best fulfill the needs of Rome Township and this project. Rome Township anticipates entering into a contract with the successful bidder to execute the proposed work.

All proposals upon submission become the property of the Rome Township. This Request for Proposal does not commit Rome Township to award a contract, to pay any costs incurred in the preparation of the proposal or to contract for the goods and/or services offered. The Rome Township reserves the right to accept or reject any or all proposals received as result of this request, to negotiate with all

qualified bidders or to cancel this Request for Proposals, if it is in the best interest of Rome Township do so.

Guarantee, Service Contract and Warranties

The successful bidder will be required to guarantee that all work, including any and all labor and materials shall remain free from defects for one (1) year after the project completion. Manufacturers Warranties and other Architectural Warranties shall be collected, bound and submitted to the Owner for their record and possible future use.

Insurance, Warranties and Indemnification Requirements

1. The independent Contractor represents and warrants that:
 - a. The Services shall be performed in accordance with, and shall not violate, applicable laws, rules or regulations, and standard prevailing in the industry and the Independent Contractor shall obtain all permits or permissions required to comply with such laws, rules or regulations, where applicable;
 - b. The Independent Contractor will perform the Services in accordance with the specifications established by the Township
 - c. The Independent Contractor shall pay prevailing wage.
2. The Independent Contractor shall comply with all of the Township's standards and procedures when working on-site at the Township
3. The Township shall not be liable for injury or death occurring to the Independent Contractor or any of its employees or other assistants in the course of performing this Agreement.
4. The Independent Contractor hereby indemnifies and holds harmless the Township, its board of directors', employees, agents or underwriters from any damages, claims, liabilities, and costs, including reasonable attorney's fees, or losses of any kind or nature whatsoever ("loss") which may in any way arise from the Services performed by the Independent Contractor hereunder, the work of employees of the Independent Contractor while performing the Services of the Independent Contractor hereunder, or any breach or alleged breach by Independent Contractor of this Agreement, including the warranties set forth herein. The Township shall retain control over the defense of, and any resolution or settlement relating to, such Loss. The Independent Contractor will cooperate with the Township and provide reasonable assistance in defending any such claim.
5. The Independent Contractor will carry applicable liability insurance (including malpractice or professional insurance, when warranted) relative to any service that [he or she] performs for the Township with limits of liability not less than \$1,000,000 per Occurrence with an Aggregate limit of liability and not less than \$2,000,000 during the entire term of the Agreement. It is further agreed and understood the Independent Contractor will name the Township as an Additional Insured. Automobile Liability with limits of liability not less than \$1,000,000 per Occurrence. Where applicable, the Independent Contractor will furthermore comply with the State of Illinois Workers' Compensation Act.

6. Each Bidder shall furnish, if applicable, a performance bond covering the complete execution of the project according to the contract documents and a payment bond covering payment of any and all obligations associated with the project.

Bid Form

(It is preferred that the Bid Response use this form, however, Rome Township reserves the right to accept Bids which provide the necessary information without using this form)

I, _____, hereby representing
(Agent Submitting RFP)

_____, have read and reviewed the attached specifications.
(Company)

I state the hereby offer meets or exceeds all requirements set forth in the Request for Proposal.

Company Name

Authorized Person (Print)

Address

Signature

City/State/Zip

Title

Telephone

Date

Tax ID No.

E-Mail Address

The above company shall provide the materials and services, and insurance requested for the goods and services of this RFP for a cost to Rome Township as follows.

ITEM DESCRIPTION

BID PRICE

3000 Gallon Emulsion Tank
