



# JEFFERSON PARISH

## PURCHASING DEPARTMENT

CYNTHIA LEE SHENG  
PARISH PRESIDENT

RENNY SIMNO  
DIRECTOR



May 1, 2025

### ADDENDUM # 1

Bid Number: 50-00147614

Bid Opening Date: May 15, 2025 at 2:00 PM

Purchase of Emergency Standby 8" Pump for the Jefferson Parish Department of Drainage

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#### Revision

Please remove the current specification pages in their entirety and replace with the revised specification pages attached in this addendum. The original specification pages were mistakenly switched with those from another bid packet. The correct specifications are attached to this addendum.

**\*\*\*PLEASE REMEMBER TO ACKNOWLEDGE THIS ADDENDUM BY NUMBER ON YOUR BID SUBMISSION\*\***

Sincerely,

*Sean Dumas*

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Sean Dumas

Purchasing Specialist, II

**Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form by indicating the addendum number listed above. Failure to list each addenda number on the bid form will result in bid rejection.**



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**This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.**

## **PURCHASE OF EMERGENCY STANDBY 8" PUMPS**

### **GENERAL DESCRIPTION**

These specifications call for the fabrication, delivery, and acceptance of 8" emergency standby pumps.

#### **1. Submittals:**

- a. If a bidder chooses to bid on a brand of pump or engine not named in this specification, then the bidder must include an electronic pump/engine submittal with their bid containing enough information for the owner to fully confirm total compliance with all of the requirements of these specifications. The owner reserves the right to reject bids that either do not contain a pump/engine submittal or the submittal provided does not contain adequate information to confirm total specification compliance. The pump/engine submittal shall be specific to what is being proposed and shall not contain unmarked tables or unmarked various offerings of components or component characteristics.

#### **2. Pump Performance**

- a. With the pumping unit operating at the labeled speed and performance conditions, the maximum brake horsepower required by the pump shall not exceed the maximum horsepower specified herein. If the pumping unit require more than the maximum horsepower listed at any speed operation point between primary and secondary discharge head, it will be rejected.
- b. Witnessed Certified Factory Tests:
  - i. The witness tests must be conducted at the factory where the pump was manufactured. Three (3) week notice must be given before the test is to be scheduled. The owner may or may not wave the witness requirement but in such case will require a full non-witness test be performed and approved before shipment.
- c. Pump design requirements are as followed:

**Performance Requirements**

ITEM	DESIGN CONDITIONS
MAXIMUM PUMP OPERATING SPEED (RPM)	1900
MAXIMUM SOLIDS HANDLING SIZE (INCHES)	3.375"
SUCTION SIZE (INCHES)	8
DISCHARGE SIZE (INCHES)	8
MAXIMUM STATIC SUCTION LIFT (FEET)	24
Design Capacity (gpm) – Point 1	2,500
Minimum TDH at Design Capacity (feet) – Point 1	170
Minimum Bowl Eff at Design Capacity (%) – Point 1	78
Flow (gpm) – Point 2	3,295
Minimum TDH (feet) – Point 2	150
Minimum Efficiency (%) – Point 2	81
Flow (gpm) – Point 3	4,630
Minimum TDH (feet) – Point 3	100
Minimum Efficiency (%) – Point 3	75

**3. Pump Construction**

- a. The pump shall be manufactured by Cornell Pump Company; any bids for alternate brand pumps must follow the requirements outlined in the "Submittals" section. The Owner reserves the right to reject any submittal that does not adequately demonstrate compliance with these specifications. The Owner is the sole judge of product equality and the Owner's decision is final.

The pump shall have the ability to run in a completely dry condition for periods of up to 24 continuous hours at full speed.

8" discharge, 8" suction, and enclosed impeller with Cycloseal design, a Type 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. Bearings are heavy-duty, grease-lubricated deep groove ball bearings with F18 bearing frame.

Pump and priming system shall be fully automatic, needing no form of adjustment or manual addition of water for the priming system. The pump shall be capable of

static suction lifts to 20 vertical feet, at sea level. It shall also be capable of operation using extended suction lines.

**Parts and Material shall be:**

PARTS	STANDARD MATERIAL (ALL IRON)
WEAR RING	CAST IRON
IMPELLER	CAST IRON
VOLUTE	CAST IRON
SHAFT	Stressproof steel
SHAFT SLEEVE	416 stainless steel
SUCTION COVER	CAST IRON
BEARING FRAME	CAST IRON
O-RINGS	BUNA N

Basis of Design: Cornell Pump Company 8NNT-RP-EM18DB-3.

**4. PUMP SUCTION**

- a. The pump suction shall have a steel manifold going from 8" flange to two 6" inlets angled at an optimal position to improve pump suction efficiency. Each inlet connection shall have a 6" male camlock fitting allowing for easy suction hookup to hoses.

**5. PUMP DISCHARGE**

- a. Pump discharge shall be an 8" steel pipe directed towards and extend to the front of the trailer hitch with a camlock fitting for easy discharge hose hookup.
  - b. The discharge line shall include an 8" double door lugged design check valve for the system. Flow from the pump shall cause the doors to open, and upon pump shut down the torsion spring shall shut the doors prior to flow reversal. Door and spring material shall be 316 stainless steel ASTM A351 CF8M.
14. Basis of

Design: Double Door Check Valve by APCO model CDD. Manufactured by DeZURIK, Inc.

#### **6. DRIVE UNIT**

- a) FPT N67, 173hp @ 2200rpm, Tier 3, Diesel, SAE 3, Mechanical 4 Gauge Control The engine shall drive the pump via direct drive coupling. Panel with Tachometer & Key switch, Mechanical Throttle, No DEF. Tier 4 will not be allowed.
- b) The engine shall have an industrial type battery held via a mount fabricated to the skid with locking mechanism
- c) A 12-volt starter and alternator charging system shall be provided.
- d) Engine shall have an industrial-style muffler with rain cap
- e) Engine shall have a mechanical type governor.
- f) Engine shall have safety shutdown switches for low oil pressure and high temperature.
- g) Engine shall have a oil drain valve.
- h) An instrument panel shall be provided in an enclosure and mounted on rubber isolators

#### **7. TRANSPORTATION/MOUNTING TRAILER**

- a. Pump skid package shall be mounted to a 150 Gallon Fuel Tank, LED Lights, Dual 7k Dexter Axles, Spare Tire, DOT Tape, 2 5/16 Bumperpull Hitch, D-Rings, Electric Brakes and Breakaway Box
- b. Trailer shall conform to DOT Vehicle code requirements.

#### **8. ASSOCIATED EQUIPMENT**

- a. SUCTION HOSE: Each pump shall be supplied with two six inch 20' suction hose rated for suction for heavy-duty applications requiring combined vacuum and higher working pressures and have a weight of less than 11 pounds per foot of length. Suction hose shall be Kanaflex Kanaline SR series or approved equal. Each section shall have one female camlock and one male with adaptors to attach a strainer.
- b. Two suction strainers and connections shall be provided which can attach to the suction hose
- c. Discharge hose: Each pump shall come with 200 feet (in 50 foot sections) of 8" pvc layflat hose with camlock fittings on each end of the hose. Each section shall have one male and one female camlock.

**9. COATING**

- a. The complete pump assembly shall be prepared inside and outside using standards SSPC-SP10 / (Near-White Blast cleaning) and painted with a high build epoxy primer/finish, polyurethane or equal, to a dry film thickness of 8.0 mils. Sherwin Williams Macropoxy 646 with Sherwin Williams Acrolon 218 HS or equal.

**10. SPARE PARTS**

- a. In addition to the factory installed filters for the diesel drive unit, the vendor shall provide one complete set (when applicable) of spare oil filters, fuel filters, and air filters with pre-filters.

In addition to the oil required to fill the engine, the contractor shall provide enough oil for one complete oil change of specified lube oil.

**11. WARRANTY**

- a. The vendor shall furnish to the owner the manufacturer's one-year parts and labor warranty covering all parts and components and shall assign the engine and other component manufacturers' warranties.

**12. DELIVERY**

- a. The work under this contract shall consist of providing the pump package specified herein with seventy (70) calendar days from receipt of the purchase order. Vendor shall notify Drainage Department two (2) weeks prior to delivery which shall be received at the Ames pump station warehouse at 5100 Rochester Drive, Marrero Louisiana. Any and all freight charges are to be included in bid price.