

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 10/1/2016

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

4-6 WEEKS

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: THOMAS PUMP & MACHINERY, INC.

ADDRESS: 120 INDUSTRIAL DRIVE

CITY, STATE: SLIDELL, LA ZIP: 70460

TELEPHONE: (985) 649-3000 FAX: (985) 649-4300

EMAIL ADDRESS: steves@thomaspump.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ 56,419.48

AUTHORIZED SIGNATURE: 

J.W. Thomas

Printed Name

TITLE: President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00116903

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>A ONE-TIME PURCHASE OF RAPID MIXERS FOR THE JEFFERSON PARISH WATER DEPARTMENT, EAST BANK WATER PLANT</p> <p>0010 - HAYWARD GORDON MBX-611 MIXER RAPID MIXER, EACH MIXER ASSEMBLY SHALL CONSIST OF A HEAVY-DUTY GEARBOX, ELECTRIC MOTOR CONNECTED BY A FLEXIBLE COUPLING, BASEPLATE, MIXING SHAFT AND MIXING IMPELLER</p> <p>***PER THE ATTACHED SPECIFICATIONS***</p> <p>THIS IS FOR THE PURCHASE OF THE MIXER ONLY--NO INSTALLATION IS NEEDED.</p>		
2	2.0	EA	<p>FUSION FLUID EQUIPMENT MIXERS EQUIVALENT TO HAYWARD GORDON MBX-611</p> <p>* PLEASE SEE GENERAL EXCEPTIONS PAGE ATTACHED *</p>	\$28,209.74	\$56,419.48



# Thomas Pump & Machinery

June 1, 2016

Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053

Attention: Melissa Ovalle, Buyer

**REFERENCE: Bid Number 50-00116903**

Dear Melissa,

We are pleased to offer two Mixers for Bid Number 50-00116903. The Fusion mixers being offered are equivalent and exceed design specifications of the Hayward Gordon Model MBX. Please see attached bid description, technical data and exceptions page attached.

Net Each: \$28,209.74

**Total for 2 Units: \$56,419.48**

Delivery: 1-1/2 weeks for approval drawings  
4-5 weeks after approval drawings

FOB: Destination

Terms: 25% down, 25% progress payment and 50% net 30 days with approved credit

If you have any questions or need additional information, please let me know.

Sincerely,  
Thomas Pump & Machinery, Inc.

Steve Smith, Inside Sales/Applications  
985-649-3000

**CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  

---

INCORPORATED.

AT THE MEETING OF DIRECTORS OF THOMAS PUMP & MACHINERY, INC  
INCORPORATED, DULY NOTICED AND HELD ON JUNE 30, 2016,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT JAMES W. THOMAS, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.



---

SECRETARY-TREASURER

6/30/16

---

DATE

Non-Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF ST. TAMMANY

BEFORE ME, the undersigned authority, personally came and appeared: JAMES (J)  
W. THOMAS, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized PRESIDENT of THOMAS PUMP & MACHINERY, INC.  
the party who submitted a bid in response to Bid Number 50-00116903, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X \_\_\_\_\_ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

*J. W. Thomas*  
Signature of Affiant

J. W. Thomas  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 30<sup>th</sup> DAY OF June, 2014.

*April Duneheew*  
Notary Public

April Duneheew  
Printed Name of Notary

131966  
Notary/Bar Roll Number

My commission expires with my life



April Duneheew  
NOTARY PUBLIC NO. 131966  
STATE OF LOUISIANA  
PARISH OF ST. TAMMANY  
My Commission is for Life

Print

## Notary Search - Detail

**Name:** MS. APRIL DUNEHEW  
**Address:** 434 TANGLEWOOD DRIVE  
SLIDELL, LA 70458

**Phone:** (985) 641-9884  
**Phone 2:** (985) 445-8102

**Notary ID Number:** 131966  
**Parish:** ST. TAMMANY with STATEWIDE JURISDICTION  
**Agency:** N/A  
**Notary Type:** Non Attorney  
**Status:** Active

**Commission Date:** 03/22/2013  
**Oath Date:** 03/07/2013  
**Surety Expiration Date:** 03/08/2018  
**Annual Report Current:** Yes

## Notary Events

**Name Change** Previous Name: APRIL WILLIAMS Previous Commission Date: Unknown

Deceased, Inactivated, Leave of Absence, Pre-Assessment Registration, Pre-Assessment Taken, Resigned, Retirement, and Revoked events are not available prior to February 11, 2012.

[Back to Search Results](#)[New Search](#)

**Request for Taxpayer  
 Identification Number and Certification**

Give Form to the  
 requester. Do not  
 send to the IRS.

Name (as shown on your income tax return)  
**Thomas Pump & Machinery, Inc.**

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:  
 Individual/sole proprietor     C Corporation     S Corporation     Partnership     Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ \_\_\_\_\_

Other (see instructions) ▶ \_\_\_\_\_

Address (number, street, and apt. or suite no.)  
**P.O. Box 2530**

City, state, and ZIP code  
**Slidell, LA 70459**

List account number(s) here (optional)

Requester's name and address (optional)

**Part I Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number									
			-						
Employer identification number									
7	2	-	1	0	5	7	3	2	3

**Part II Certification**

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

**Certification instructions:** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here    Signature of U.S. person ▶ *[Signature]*    Date ▶ \_\_\_\_\_

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Purpose of Form**

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

### Description

**Model Number: FR3-5M-1 (Net Each)**

\$28,209.74

**Total Project Cost 2X Model Number: FR3-5M-1 Units**

\$56,419.48

#### **Motor Drive Specifications (Continuous Operation)**

Motor Brand	TECO-Westing House TEFC Pre Eff
Motor Power (HP)	15
Nominal Input Speed (RPM)	1800
Motor Frequency (Hz)	60
Motor Voltage (V)	480
Motor Duty	IEEE Marine Duty 841
Enclosure	TEFC (IP55)
High Speed Coupling	Flex-Coupling
Service Factor (min)	1.15

#### **Machine / Mounting**

Gear Drive - Right Angle	Right Angle Helical-bevel (Nord SK 9052.1)
Mixer Shaft Coupling	Ridgid-Ridgid
Operating Speed RPM / Ratio	44 RPM / 39.72:1
Lube	Food Grade H-1 FDA synthetic
Mounting	Plate Mount
Service Factor	AGMA Service Class II 1.5 Minimum
Below 70% 1st Critical Speed	Yes

#### **Shaft Specifications**

Shaft Diameter (in)	3
Shaft Length (in)	118
Wetted Parts Material	316SS (Material Certs Available once Ordered)

#### **Impeller Specifications**

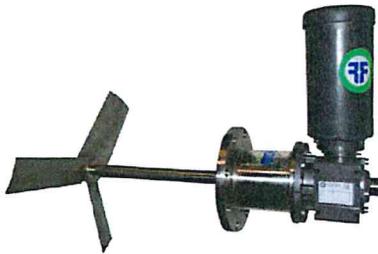
Impeller Type	4 Blade Pitch Blade Turbine (Bolted Blades)
Impeller Diameter (in.)	68
Impeller Attachment	Keyed to Shaft -Hook Keys Included w/set screws
Impeller Adjustment	+/- 12" Adjustment 3" Increments
Wetted Parts Material	316SS (Material Certs Available once Ordered)

# Fusion Flow Series – Right Angle Drive

## Flexible Large Scale Mixers



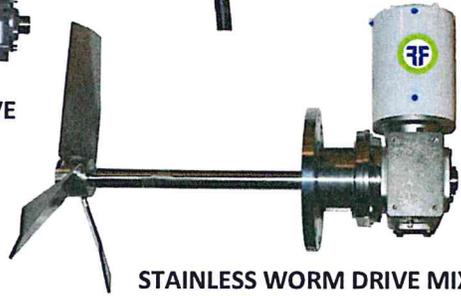
**STAINLESS MOTOR  
AND WORM DRIVE**



**STANDARD WORM DRIVE  
WITH STUFFING BOX**



**HELICAL-BEVEL  
DRIVE MIXER**



**STAINLESS WORM DRIVE MIXER  
WITH SANITARY MOTOR**

### DESIGN INTENT

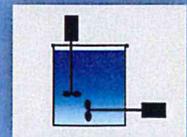
Heavy-duty and flexible, the Flow Series Right Angle mixers are designed to meet the needs of your large scale mixing applications.

### EXAMPLE APPLICATIONS

- Industrial Mixing & Blending
- Large Scale Sanitary and BioPharm
- Reaction Tanks
- Low or High Viscosity Blending
- Large Scale Waste Treatment & Much More!

### SPECS

- Gear Drive: ¼ - 100HP  
3-450 RPM
- Batch: 50 to 1,000,000 Gallons
- Shaft Length:  
Up to 360" FMB



**Top or Side Entry**



[www.fusionfluid.com](http://www.fusionfluid.com)

### FEATURES AND BENEFITS:

- \* Mixer-duty electric motors are available in a variety of sizes, phases, and voltages chosen based on your need. Other options include washdown duty, inverter duty, DC electric, and explosion proof motors. Air motors are also available.
- \* Many right angle gearbox options are available that require less space in restricted areas:
  - Helical-bevel gearboxes with double or triple reduction gear arrangements provide quiet operation and extended life. Hundreds of gear ratios are available.
  - Worm drive gearboxes offering single or double reduction worm gear arrangements allow high shock loading and economical design. Choose from 13 gear ratios to match process requirements.
  - Minimum of 1.5 mechanical service factor on all gearing and bearings.
- \* Virtual drywells and heavy-duty output bearings are typically used on large units for reduced vibration and to allow for longer shaft lengths (available with Helical-Bevel gearboxes). Rigid in-tank couplings used as required.
- \* Closed Tank configurations are available with vapor seals, stuffing box glands (up to 150 PSI) and single or double mechanical seals (300+ psi). In-tank shutoff mechanism allows seal changes on side entry mixers without emptying the tank.
- \* Stainless Steel components, Steel-It™ USDA-compliant paint, polished shafts and various shaft coatings are available for sanitary applications and chemical resistance.
- \* Various impeller styles and mounting options such as ANSI flange mount, TriClamp mount, beam mount are available for your process.

### MOUNTING OPTIONS:



**ANSI  
Flange**



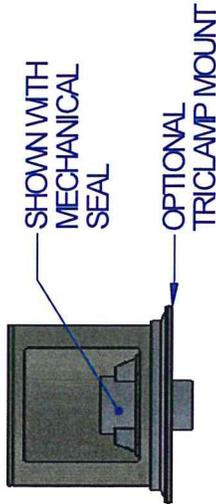
**TriClamp  
Flange**



**Beam**

**MOST COMMON AVAILABLE OPTIONS:**

- SINGLE PHASE TEFC MOTOR
- SANITARY MOTOR
- EXPLOSION PROOF MOTOR
- ALTERNATE SEALING OPTIONS
- VAPOR SEALS, HIGH OR LOW PRESSURE STUFFING BOXES,
- SINGLE OR DOUBLE MECHANICAL SEALS
- TRICLAMP MOUNT
- ALTERNATE IMPELLER SIZES AND TYPES
- SANITARY FINISHES



# BEARING HOUSING OPTIONS			
-0	STANDARD DUTY/STANDARD SPAN		
-1	HEAVY DUTY / STANDARD SPAN		
-2	SEVERE DUTY WIDE SPAN/VIRTUAL DRYWELL		
-4	SEVERE DUTY WIDE SPAN/TRUE DRYWELL		

DOUBLE REDUCTION			
DIM	FR2-1F-#	FR2-2F-#	FR2-4F-#
DIM H	22.48"	22.93"	25.43"
DIM L	20.72"	20.62"	31.61"

TRIPLE REDUCTION			
DIM	FR3-1F-#	FR3-3F-#	FR3-5F-#
DIM H	25.04"	26.50"	30.80"
DIM L	25.26"	30.96"	43.80"

**NOTES**

- LIP SEAL SINGLE, DOUBLE, VITON, FDA RULON, & MORE
- STUFFING BOX LOW PRESSURE (15 PSI) OR HIGH PRESSURE (150 PSI)
- MECHANICAL SEAL SINGLE, DOUBLE, FLOWSERVE, CHESTERTON, ROPLAN, & MORE

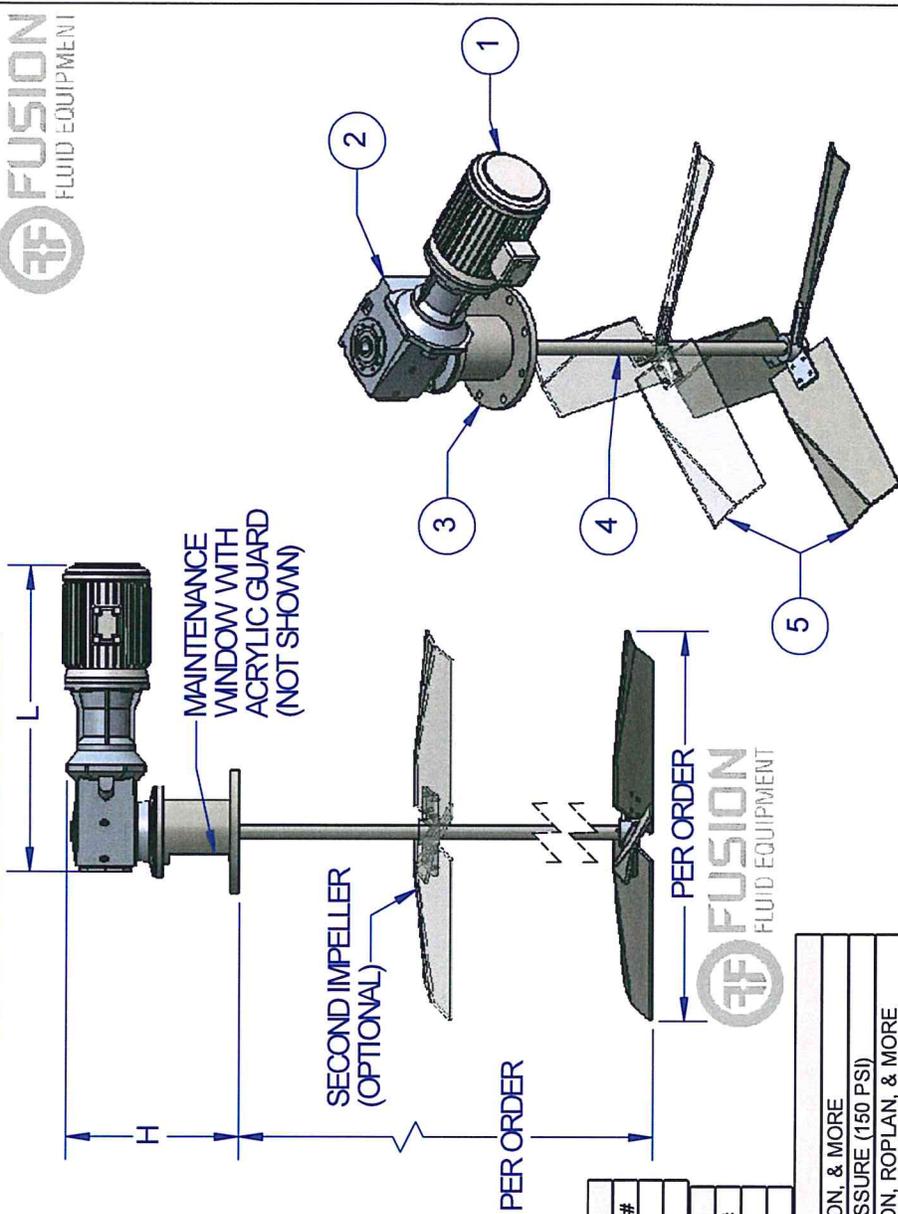
**TYPICAL IMPELLER OPTIONS**

BOLTED HYDROFOIL	BOLTED PBT (PITCH) BLADE TURBINE	RADIAL	RUSHTON	PV3 PROP

**ITEM DESCRIPTION**

1	MOTOR - 230/460/60, THREE PHASE, TEFC STANDARD, INVERTER DUTY (10:1), PAINTED FINISH
2	GEARBOX - HELICAL/BEVEL, OUTPUT SPEED PER ORDER, PAINTED FINISH
3	PEDESTAL - MOUNTING/SEAL PER ORDER
4	SHAFT - MATERIAL AND SIZE PER ORDER
5	IMPELLER - STAINLESS STEEL, SIZE, STYLE, & QTY PER ORDER

DIMENSIONS NOTED ARE APPROXIMATE AND ARE BASED ON STANDARD MIXER SELECTION. PLEASE CONTACT FUSION FOR EXACT DIMENSIONS.



NAME	DATE
DRAWN	JDF 10/05/12
CHECKED	PIC 10/05/12

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FUSION FLUID EQUIPMENT LLC. ANY REPRODUCTION IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF FUSION FLUID EQUIPMENT LLC IS PROHIBITED.

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. NO TOLERANCE IS IMPLIED. DO NOT SCALE DRAWING.

**FUSION FLUID EQUIPMENT**

**TITLE:** FUSION FLOW FR-F TOP ENTRY FLANGE MOUNT MIXER HELICAL/BEVEL DRIVE CLOSED TANK

SIZE: DWG. NO. **A** SALES-FR-#-#F REV **A**

SCALE: 1:24 | WEIGHT: SHEET 1 OF 1

Specifications

Rapid Mixers East Bank Jefferson Parish Water Plant

1. A total quantity of 2 Rapid Mixers are required. Each basin is 141" wide, by 348" long with a side water depth of 162". Each mixer assembly shall consist of a heavy-duty gearbox, electric motor connected by a flexible coupling, baseplate, mixing shaft and mixing impeller. Hayward Gordon Model MBX (or equivalent) mixers.
2. The mixing impeller shall be of the pitch blade turbine flow design with a minimum impeller diameter of 78 inches and a maximum operating speed of 45 RPM. The impeller shall be constructed of 316 SS material with the blades bolted to the hub and with the hub fixed to the shaft with hook key and set screws for maximum security. An extended keyway shall be provided which will allow vertical adjustment of the impeller +/- 12" in 3" increments.

The maximum combined stress in any impeller component shall not exceed 11,000 psi under maximum operating loads. The shaft/impeller design shall be such that its operating speed shall not exceed 70% of its first lateral critical speed. Upon request, stress and critical speed calculations supporting shaft and impeller design are to be supplied with the submittal package.

3. The mixer gear reducer must be built in accordance with current AGMA standards. The reducer shall be a right angle design with horizontal input shaft and vertical output shaft. Speed reduction to be accomplished by use of a double reduction gearbox with high speed helical gearing and low speed spiral bevel gearing. The maximum ratio for any one gear set will be 6.2:1. Efficiency shall be no less than 98.5% efficiency per gear mesh. The housing shall be fabricated steel. The housing shall have an enlarged low speed bore to allow for assembly and adjustment of the low speed bevels without disturbing the high-speed gearing. Output of the mixers is to be 45 RPM

The housing shall have a removable high-speed end for easy ratio change and assembly/disassembly of the high-speed end without disturbing the low speed gearing. Each unit will be provided with an integral or separate baseplate suitable for mounting as shown on the drawings.

All gearing shall be lubricated by means of oil splash or immersion into the oil bath. The drive shall be equipped with a dipstick and/or an oil level sight glass to check the oil level. The drives must incorporate a drywell feature in the output area to eliminate the possibility of oil leakage down the shaft. Selected bearings may be grease lubricated provided they include a high quality seal to retain the grease.

The drive's minimum AGMA service factor, based on motor nameplate horsepower, will be 1.5. Upon request, documentation supporting gear ratings are to be supplied with the submittal package. Thermal ratings shall be calculated for continuous operation per AGMA standards based on a maximum sump temperature of 200°F and an ambient temperature of 100°F.

All drive bearings shall be of the antifriction type, ball or roller bearings. All bearings within the drive, including the output shaft bearings, shall have a minimum L-10 bearing life of 100,000 Hrs. when operating at full motor nameplate horsepower at the designed speed. Upon request, documentation supporting bearing life will be supplied with the submittal package.

Specifications

4. The mixing shaft shall be coupled to the gearbox output shaft by means of a rigid flanged coupling. Mating coupling faces shall have a male/female piloted connection for accurate concentricity and shall not require match marking for alignment.

The mixing shaft and coupling half shall be constructed of 316SS material. The shaft shall be designed such that the maximum combined stress does not exceed 9,000 psi under maximum operating loads. It shall be of overhung design – the use of underwater steady bearings is not permitted. Shaft straightness and rigid coupling squareness must be such that the maximum total indicated runout at the lower end of the shaft does not exceed 0.125" for every 10' of shafting, as measured when turning over by hand.

5. The electric motor shall be rated for continuous duty in a humid corrosive environment. Insulation shall be class F with a Class B temperature rise at 40o C ambient at 1.0 service factor. Service factor will be 1.15.

The motor shall be squirrel cage induction type for operation on 40 H.P.; 3 PH, 60 HZ, 460 V. Synchronous speeds shall be 1800 RPM TEFC. All motors shall be designed with applicable IEEE, NEMA, and ANSI standards.

Motors shall be connected to the reducer's input shaft with an easily accessible torsionally resilient flexible coupling protected by an OSHA coupling guard.

6. Upon installation, each unit shall be run to demonstrate its ability to operate without overloading, jamming or excessive vibration during normal operation.

### **General Expectations taken to BID 50-00116903**

1. Fusion Fluid Equivalent – Flow Series See Mixer Quote for detailed specification
2. Exception – impeller diameter 68 inches. Performance Calculations show 78 inches is not required, see performance data provided below
  - Tank Turns Per Minute > 1.5
  - Impeller Pumping Rate >46000 GPM
  - Bulk Fluid Velocity > 27.15 Ft/Min
3. No Dry-Well – Drive will utilize H-1 FDA approved synthetic lube, the event of accidental leakage. Quoted drive is a NORD SK 9052.1
4. No Exceptions
5. 15 HP - TECO – Westing House Max E2 IEEE Marine Duty Motor Quoted
6. No Exceptions

DATE: 6/15/2016  
BID NO.: 50-00116903

**BID FORM**  
Non Public Works

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

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Are you requesting an escalation provision?

YES \_\_\_\_\_ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF September 30, 2016

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

20-24 Weeks

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: Fluid Process & Pumps, LLC

ADDRESS: PO Box 10608

CITY, STATE: New Orleans, LA

ZIP: 70181

TELEPHONE: (504) 733-1330

FAX: (504) 736-9348

EMAIL ADDRESS: cd@fluidprocess.net

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ 67,950.00

AUTHORIZED  
SIGNATURE: \_\_\_\_\_

Carl A. Deroche Jr.

Printed Name

TITLE: President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00116903

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>A ONE-TIME PURCHASE OF RAPID MIXERS FOR THE JEFFERSON PARISH WATER DEPARTMENT, EAST BANK WATER PLANT</p> <p>0010 - HAYWARD GORDON MBX-611 MIXER RAPID MIXER, EACH MIXER ASSEMBLY SHALL CONSIST OF A HEAVY-DUTY GEARBOX, ELECTRIC MOTOR CONNECTED BY A FLEXIBLE COUPLING, BASEPLATE, MIXING SHAFT AND MIXING IMPELLER</p> <p>***PER THE ATTACHED SPECIFICATIONS***</p> <p>THIS IS FOR THE PURCHASE OF THE MIXER ONLY--NO INSTALLATION IS NEEDED.</p>	33,975.00	67,950.00

FLUID PROCESS & PUMPS, L.L.C.

MEMBERSHIP MEETING

May 17, 2010

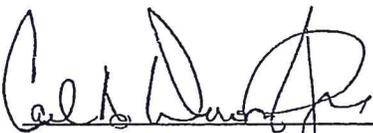
Present: Carl A. Deroche, Jr.

The meeting commenced Monday, May 17, 2010 at 8:00 a. m. at the offices of Fluid Process & Pumps, L.L.C., 405 Commerce Point, Harahan, LA 70123.

It was resolved and passed that Carl A. Deroche, Jr. as sole member and manager of Fluid Process & Pumps, L.L.C. shall have the right and responsibility to sign all bids, contracts, change orders, and performance bonds for Fluid Process & Pumps, L.L.C.

The foregoing was agreed upon and verified by signature affixed at the bottom of these minutes.

FLUID PROCESS & PUMPS, L.L.C.



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CARL A. DEROCHE, JR.,

MEMBER

Non-Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Carl A. Deroche Jr.  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized Officer of Fluid Process & Pumps, LLC (Entity),  
the party who submitted a bid in response to Bid Number 50-00116903, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A  X  Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B \_\_\_\_\_ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

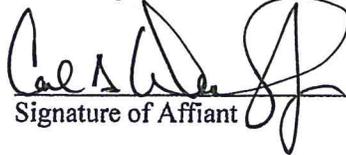
Choice B   X   There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

  
Signature of Affiant

Carl A. Deroche, Jr.  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 27th DAY OF June, 2016.

  
Notary Public

Alan Emerman  
Printed Name of Notary

ID# 36648  
Notary/Bar Roll Number

My commission expires For Life.

**Reference: Bid # 50-00116903**

**ATTACHMENT:**

**Campaign Contribution Disclosures:**

Payee: Elton Lagasse - Campaign Fund  
Check #: 11656  
Date: 4/28/15  
Amount: \$1,000.00

Payee: Elton Lagasse - Campaign Fund  
Check #: 12194  
Date: 7/7/15  
Amount: \$1,500.00

Payee: Paul Johnston - Campaign Fund  
Check #: 12355  
Date: 8/3/15  
Amount: \$1,000.00

Payee: Michael S. Yenni - Campaign Fund  
Check #: 13804  
Date: 4/19/16  
Amount: \$1,500.00

Print

## Notary Search - Detail

**Name:** MR. ALAN R. EMERMAN  
**Address:** 1812 CLEARVIEW PKWY.  
METAIRIE, LA 70001

**Phone:** (504) 455-1643

**Notary ID Number:** 36648  
**Parish:** JEFFERSON with STATEWIDE JURISDICTION  
**Agency:** N/A  
**Notary Type:** Attorney  
**Bar Roll #:** 5344

**Status:** Active

**Commission Date:** 11/14/1983  
**Oath Date:** 11/10/1983  
**Surety Expiration Date:** Not Required  
**Annual Report Current:** Not Applicable

[Back to Search Results](#)[New Search](#)

**Request for Taxpayer  
 Identification Number and Certification**

Give Form to the requester. Do not send to the IRS.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.  
**FLUID PROCESS & PUMPS, LLC**

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification; check only one of the following seven boxes:  
 Individual/sole proprietor or single-member LLC  
 C Corporation  
 S Corporation  
 Partnership  
 Trust/estate  
 Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ **C**  
 Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.  
 Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):  
 Exempt payee code (if any) \_\_\_\_\_  
 Exemption from FATCA reporting code (if any) \_\_\_\_\_  
*(Applies to accounts maintained outside the U.S.)*

5 Address (number, street, and apt. or suite no.)  
**P. O. BOX 10608**

6 City, state, and ZIP code  
**NEW ORLEANS, LA 70181**

7 List account number(s) here (optional)

Requester's name and address (optional)

**Part I Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number									
				-					
or									
Employer identification number									
2	7	-	2	3	1	2	5	6	1

**Part II Certification**

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

**Sign Here** Signature of U.S. person ▶  Date ▶ **7/24/15**

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

**Purpose of Form**

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
6/27/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Aparicio Walker and Seeling, Inc. P.O. Box 95 Metairie LA 70004	<b>CONTACT NAME:</b> PHONE (A/C No, Ext): 504-883-4111      FAX (A/C, No): 504-883-4100 E-MAIL ADDRESS: awsreceptionist@awsinc.com	
	<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: *American Casualty Company INSURER B: *Bridgefield Casualty Ins. Co. INSURER C: INSURER D: INSURER E: INSURER F:	<b>NAIC #</b> 20427 10355
<b>INSURED</b> Fluid Process & Pumps, LLC Debbie Diliberto 405 Commerce Point Harahan LA 70123	<b>FLUID-1</b>	

**COVERAGES**      **CERTIFICATE NUMBER: 1552682751**      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	Y	Y	4027197619	6/1/2016	6/1/2017	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	Y	Y	4027197605	6/1/2016	6/1/2017	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000 \$
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	0196-31579	6/1/2016	6/1/2017	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
A	Property			4027197619	6/1/2016	6/1/2017	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The following coverage's are provided per written contract prior to any loss:  
General Liability provides Additional Insured per G17957H 01-13 .  
Workers Compensation coverage provides Blanket Waiver of Subrogation per WC 00 03 13.

Full Name of Certificate Holder:  
The Parish of Jefferson, Its Districts, Departments and  
See Attached...

<b>CERTIFICATE HOLDER</b> Jefferson Parish Purchasing Dept. 200 Derbigny Street General Government Building, Suite 4400 Gretna LA 70053	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE <i>Frank E. Seeling III</i>
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**ADDITIONAL REMARKS SCHEDULE**

AGENCY Aparicio Walker and Seeling, Inc.		NAMED INSURED Fluid Process & Pumps, LLC Debbie Diliberto 405 Commerce Point Harahan LA 70123	
POLICY NUMBER		EFFECTIVE DATE:	
CARRIER	NAIC CODE		

**ADDITIONAL REMARKS**

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,  
 FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

Agencies under the Direction of the Parish President  
 And the Parish Council

Bid No. 50-00116903



**Bid Number 50-00116903**

**A ONE-TIME PURCHASE OF RAPID MIXERS FOR THE JEFFERSON PARISH  
WATER DEPARTMENT, EAST BANK WATER PLANT**

**BID DUE: June 30, 2016 / 2:00 PM**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Buyer: Melissa Ovalle  
Buyer Email: [movalle@jeffparish.net](mailto:movalle@jeffparish.net)  
Buyer Phone #: 504-364-2687**

Specifications

Rapid Mixers East Bank Jefferson Parish Water Plant

1. A total quantity of 2 Rapid Mixers are required. Each basin is 141" wide, by 348" long with a side water depth of 162". Each mixer assembly shall consist of a heavy-duty gearbox, electric motor connected by a flexible coupling, baseplate, mixing shaft and mixing impeller. Hayward Gordon Model MBX (or equivalent) mixers.
2. The mixing impeller shall be of the pitch blade turbine flow design with a minimum impeller diameter of 78 inches and a maximum operating speed of 45 RPM. The impeller shall be constructed of 316 SS material with the blades bolted to the hub and with the hub fixed to the shaft with hook key and set screws for maximum security. An extended keyway shall be provided which will allow vertical adjustment of the impeller +/- 12" in 3" increments.

The maximum combined stress in any impeller component shall not exceed 11,000 psi under maximum operating loads. The shaft/impeller design shall be such that its operating speed shall not exceed 70% of its first lateral critical speed. Upon request, stress and critical speed calculations supporting shaft and impeller design are to be supplied with the submittal package.

3. The mixer gear reducer must be built in accordance with current AGMA standards. The reducer shall be a right angle design with horizontal input shaft and vertical output shaft. Speed reduction to be accomplished by use of a double reduction gearbox with high speed helical gearing and low speed spiral bevel gearing. The maximum ratio for any one gear set will be 6.2:1. Efficiency shall be no less than 98.5% efficiency per gear mesh. The housing shall be fabricated steel. The housing shall have an enlarged low speed bore to allow for assembly and adjustment of the low speed bevels without disturbing the high-speed gearing. Output of the mixers is to be 45 RPM

The housing shall have a removable high-speed end for easy ratio change and assembly/disassembly of the high-speed end without disturbing the low speed gearing. Each unit will be provided with an integral or separate baseplate suitable for mounting as shown on the drawings.

All gearing shall be lubricated by means of oil splash or immersion into the oil bath. The drive shall be equipped with a dipstick and/or an oil level sight glass to check the oil level. The drives must incorporate a drywell feature in the output area to eliminate the possibility of oil leakage down the shaft. Selected bearings may be grease lubricated provided they include a high quality seal to retain the grease.

The drive's minimum AGMA service factor, based on motor nameplate horsepower, will be 1.5. Upon request, documentation supporting gear ratings are to be supplied with the submittal package. Thermal ratings shall be calculated for continuous operation per AGMA standards based on a maximum sump temperature of 200°F and an ambient temperature of 100°F.

All drive bearings shall be of the antifriction type, ball or roller bearings. All bearings within the drive, including the output shaft bearings, shall have a minimum L-10 bearing life of 100,000 Hrs. when operating at full motor nameplate horsepower at the designed speed. Upon request, documentation supporting bearing life will be supplied with the submittal package.

Specifications

4. The mixing shaft shall be coupled to the gearbox output shaft by means of a rigid flanged coupling. Mating coupling faces shall have a male/female piloted connection for accurate concentricity and shall not require match marking for alignment.

The mixing shaft and coupling half shall be constructed of 316SS material. The shaft shall be designed such that the maximum combined stress does not exceed 9,000 psi under maximum operating loads. It shall be of overhung design – the use of underwater steady bearings is not permitted. Shaft straightness and rigid coupling squareness must be such that the maximum total indicated runout at the lower end of the shaft does not exceed 0.125" for every 10' of shafting, as measured when turning over by hand.

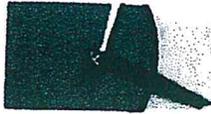
5. The electric motor shall be rated for continuous duty in a humid corrosive environment. Insulation shall be class F with a Class B temperature rise at 40o C ambient at 1.0 service factor. Service factor will be 1.15.

The motor shall be squirrel cage induction type for operation on 40 H.P.; 3 PH, 60 HZ, 460 V. Synchronous speeds shall be 1800 RPM TEFC. All motors shall be designed with applicable IEEE, NEMA, and ANSI standards.

Motors shall be connected to the reducer's input shaft with an easily accessible torsionally resilient flexible coupling protected by an OSHA coupling guard.

6. Upon installation, each unit shall be run to demonstrate its ability to operate without overloading, jamming or excessive vibration during normal operation.

Specifications



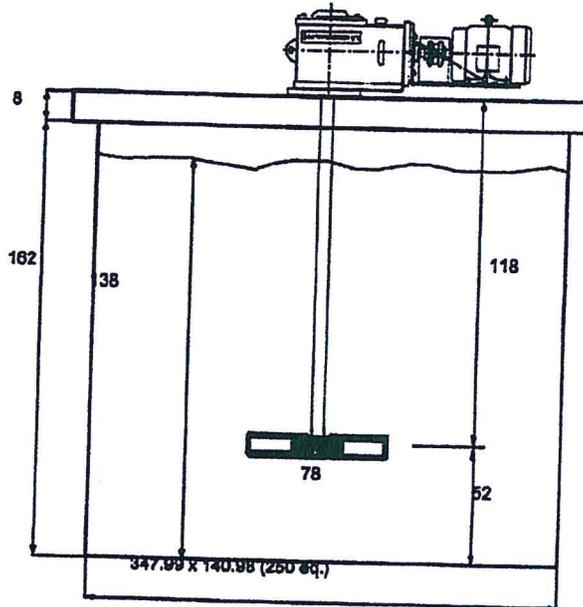
**MIXING ASSIST**  
**6 Hayward Gordon**

**TANK DIMENSIONS**

UNDEFINED!	347.99
UNDEFINED!	140.98
Liquid Height (in)	138
Tank Straight Side (in)	162
Mounting Height (in)	8
Tank Top / Bottom	Flat / Flat
Live Straight Side Vol (USGal)	29308
Total Vol (USGal)	29308

**BLENDING PARAMETERS**

Mixing Intensity	Strong
RPM	45
Mixture Sg	1
Viscosity (cps)	1.01
Eq. Volume (USGal)	29308
Required Torque (in-lb)	8089



**IMPELLER PERFORMANCE DATA**

Style	4PBT45
Diameter (in)	78
D/T	0.312
Position (in)	118
Projected Height (in)	Std
Torque (in-lb)	41912
BHP (HP)	29.93
Tq/Veq (in-lb/gal)	1.43
Tip Speed (FPM)	918.9
Primary Pumping (GPM)	80025
Superficial Velocity (FPM)	31.4
Velocity Gradient (1/s)	448.4
Impeller NRe	2900442
Viscosity Factor	1
Proximity Factor	1.069
Width Factor	1

DATE: 6/15/2016

INVITATION TO BID  
THIS IS NOT AN ORDER

BID NO.: 50-00116903

**JEFFERSON PARISH**  
PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

Page: 1

BUYER: [MOVALLE@jeffparish.net](mailto:MOVALLE@jeffparish.net)

**BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 6/30/2016 AND PUBLICLY OPENED THEREAFTER.**

**LATE BIDS WILL NOT BE ACCEPTED**

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

**NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.**

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**  
**THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS**

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Registration forms may be downloaded from [www.purchasing.jeffparish.net](http://www.purchasing.jeffparish.net) and clicking on Vendor Information.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

**Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)**

DATE: 6/15/2016

BID NO.: 50-00116903

Page: 2

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

If the bid exceeds \$30,000.00 and the company is duly authorized to do business in the state of Louisiana, a corporate resolution must be submitted with the bid or the person signing the bid documents must be listed on the Louisiana Secretary of State's website as an officer of the corporation, unless bidder has otherwise complied with LSA-R.S. 38:2212(B)(5). If the bid is in excess of \$30,000 and bidder is registered out of the state of Louisiana, a corporate resolution must be submitted with the bid, unless bidder has otherwise complied with LSA-R.S. 38:2212(B)(5). Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. Bids submitted by Owner or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. Sole proprietors submitting bids for public works projects shall within 10 days after bid opening submit sole proprietorship certification.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

**A. AWARD OF CONTRACT:** JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. IN THE EVENT OF SPLIT AWARD, THE PURCHASING DEPARTMENT MAY CONTACT VENDORS TO REQUEST REQUIRED AFFIDAVITS. THOSE VENDORS WILL HAVE 10 DAYS FROM THE DATE OF NOTICE TO SUBMIT COMPLETE, SIGNED AND NOTARIZED AFFIDAVITS IN ORIGINAL FORMATS.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

**B. USE OF BRAND NAMES AND STOCK NUMBERS:** Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

**C. CANCELLATION OF CONTRACT:** JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

**D. PRICES:** Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

**IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS**

**This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.**

**Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.**

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

### ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

**13, 15**

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required;** Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required;** Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding reimbursement.. As such, the referenced attachment will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted within 10 days of bid opening. Failure to submit applicable certifications within 10 days of bid opening will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.