

# Welcome to the JEA Awards Meeting

You have been joined to the meeting with your **audio muted** by default.

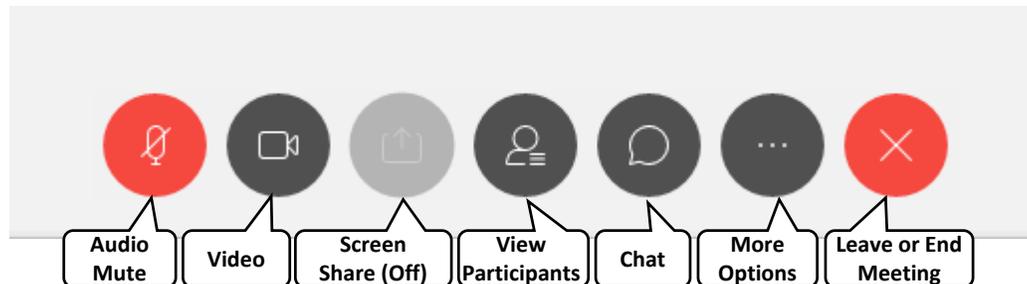
We will unmute your lines during the public comment time and provide opportunity for you to speak.

During the meeting, interested persons can also email **Halley Reiman** at [reimhj@jea.com](mailto:reimhj@jea.com) to submit public comments to be read during the meeting regarding any matter on the agenda for consideration.

Public comments by e-mail must be received no later than 9:00 a.m. to be read during the public comment portion of the meeting.

Please contact **Halley Reiman** by telephone at **(904) 665-8815** or by email at [reimhj@jea.com](mailto:reimhj@jea.com) if you experience any technical difficulties during the meeting.

Below is a summary of the meeting controls you will see at the bottom of your screen.



## **AWARDS COMMITTEE AGENDA**

**DATE:** Thursday, December 2, 2021

**TIME:** 10:00 A.M.

**PLACE:** JEA, Customer Center, Bid Office, 1st Floor, 21 West Church Street, Jacksonville, FL  
32202 OR  
WebEx/Teleconference  
WebEx Meeting Number (access code): 160 199 4252  
WebEx Password: pxP6CqUSt63

### **Public Comments:**

### **Awards:**

1. Approval of the minutes from the last meeting (11/18/2021).
2. 1410378246 – Request approval to award a contract to Warden Construction Corporation for construction services for the Fleet Service Center Renovations in the amount of \$1,690,153.50, subject to the availability of lawfully appropriated funds.
3. **DEFERRED** - Request approval to award a renewal and contract increase to England-Thims & Miller for the Design, Permitting and Construction Management for the Galvanized Pipe Replacement Program in the amount of \$2,830,957.00, for a new not-to-exceed amount of \$6,130,957.00, subject to the availability of lawfully appropriated funds.
4. Request approval to award a contract to Valmont-Newmark to supply spun concrete poles for the circuit 663 rebuild project in the amount of \$1,451,256.00, subject to the availability of lawfully appropriated funds.
5. Request approval to award a one (1) year contract to CGI Technologies and Solutions Inc. for CGI FMS CAD software support in the amount of \$330,441.00, subject to the availability of lawfully appropriated funds.
6. 1410436446 – Request approval to award a contract to Marmon Utility LLC for the Circuit 649 circuit replacement services in the amount of \$2,083,777.30, subject to the availability of lawfully appropriated funds.
7. Request approval to increase the contract with Wind River Environmental, LLC (d.b.a. Metro Rooter) for Emergency Waste Water Cleanup Services in the amount of \$240,000.00, for a new not-to-exceed amount of \$1,213,500.00 subject to the availability of lawfully appropriated funds.
8. 1410440646-21– Request approval to award contracts to FERGUSON WATERWORKS (\$5,981,268.52) and FORTILINE, INC. (\$1,569,449.15) for Water and Wastewater inventory items carried in JEA's inventory stock and for Capital Project Items for a total amount of \$7,550,717.67 subject to the availability of lawfully appropriated funds.
9. 055-16 - Request approval to award a contract increase to Unitherm Inc. for lagging and insulation services at JEA's electric generating facilities in the amount of \$390,000.00, for a new not to exceed amount of \$3,962,758.50, subject to the availability of lawfully appropriated funds.

**Informational Items:** N/A

**Open Discussion:** N/A

**Public Notice:** N/A

**General Business:** N/A

**SPECIAL NOTES:** Copies of the above items are available in JEA Procurement, if needed for review. If a person decides to appeal any decision made by the Awards Committee, with respect to any matter considered at this meeting, that person will need a record of the proceedings, and, for such purpose, needs to ensure that a verbatim record of the proceedings is made, which record includes the evidence and testimony upon which the appeal is to be based. If you have a disability that requires reasonable accommodations to participate in the above meeting, please call 665-8625 by 8:30 a.m. the day before the meeting and we will provide reasonable assistance for you.

## 12-02-2021 Awards Committee

<u>Award #</u>	<u>Type of Award</u>	<u>Business Unit</u>	<u>Estimated/ Budgeted Amount</u>	<u>Amount</u>	<u>Awardee</u>	<u>Term</u>	<u>Summary</u>
1	Minutes	N/A	N/A	N/A	N/A	N/A	Approval of minutes from the 11/18/2021 meeting.
2	Invitation for Bid (IFB) 3 Bidders	McElroy	\$1,299,925.00	\$1,690,153.50	Warden Construction Corporation	Project Completion (Expected July 2022)	<p><b><u>Fleet Service Center Renovations</u></b></p> <p>JEA is soliciting Bids from contractors (hereinafter referred to as "Company") for Fleet Service Center Renovations located at 5717 New Kings Road, Jacksonville, Florida. This project includes remodeling current administrative areas, with a buildout for new administrative office space in Bay One of the vehicle processing shop. The contract will include demolition of existing wood framed walls and ceiling, installation of metal stud and gypsum board partitions, plumbing, ACT grid and light fixtures, HVAC, VCT flooring, Fire Sprinkler system, sanitary sewer system replacing old septic system, upgrades to electrical circuits and outlets for the office area and conference room.</p> <p>The base bid for this project is \$1,600,810.57 which is approximately twenty three percent (23%) higher than the original budget estimate for construction costs which is attributed to material price increases. The Bid Form included three alternative pricing options. This award includes Alternative 3 for the installation of an HVAC split system UV lights in the amount of \$8,859.43. The decision was made to reduce the Supplemental Work Allowance (SWA) of \$120,000.00 that was included on the Bid Form and award a smaller SWA amount of five percent (5%) in the amount of \$80,483.50, for an award total of \$1,690,153.50. The bid was reviewed by JEA and deemed reasonable. A budget trend is being completed to cover the increased pricing.</p> <p>Request approval to award a contract to Warden Construction Corporation for construction services for the Fleet Service Center Renovations in the amount of \$1,690,153.50, subject to the availability of lawfully appropriated funds.</p>
3 - Defer	Defer	Defer	Defer	Defer	Defer	Defer	Defer
4	Single Source	Erixton	\$1,200,000.00	\$1,451,256.00	Valmont Newmark-Hazleton Operation	Project Completion (Expected: 05/2022)	<b><u>Spun Concrete Transmission Poles for Circuit 663 Rebuild</u></b>

## 12-02-2021 Awards Committee

							<p>Purchase of new transmission structures to replace eighty-five (85) existing concrete poles for circuit 663. This particular scope of supply will be completed when poles are delivered and accepted by JEA in May of 2022.</p> <p>In the past, JEA bid concrete poles between two (2) companies, Accord Industries and Valmont-Newmark. These were the only companies that could meet the technical requirements for these poles regarding ground line moment capacity, size, diameter and taper requirements.</p> <p>As of 2011, Accord Industries discontinued their spun concrete transmission pole services, making Valmont-Newmark the only company that can meet JEA's requirements. JEA elected to standardize on Valmont-Newmark making the supplier a single source per the JEA Procurement Code, section 3-112 Single Source.</p> <p>The purchase order prices will be fixed through delivery, with payment on delivery. JEA last awarded concrete poles in May of 2021. When comparing the award amount to the Budget Estimate there is an approximate 21% increase in price which is deemed reasonable considering current market conditions. The budget for this material was developed in FY21 when material &amp; manufacturing costs were lower than today, and was adjusted at the time of negotiations.</p> <p>Request approval to award a contract to Valmont-Newmark to supply spun concrete poles for the circuit 663 rebuild project in the amount of \$1,451,256.00, subject to the availability of lawfully appropriated funds.</p>
5	Single Source	Krol	\$330,441.00	\$330,441.00	CGI Technologies and Solutions, Inc.	One (1) Year	<p><b><u>CGI Field Management System (FMS-CAD) Software Support Agreement</u></b></p> <p>The CGI Field Management System (FMS-CAD) software support enables mapping technology for JEA field technicians. Technical assistance and application support from the CGI software vendor that provides field personnel required details associated with daily work assignments. The Computer Aided</p>

## 12-02-2021 Awards Committee

						<p>Dispatch (CAD) and the Outage Management System (OMS) are the main components of FMS that are tightly coupled with JEA's customer support satisfaction. This application provides JEA the ability to schedule, assign, and dispatch field work, as well as a detail mapping application to provide location details. The FMS system is one of the most critical systems at JEA.</p> <p>CGI support provides JEA the ability to open tickets for the support of the base products and provides 7x24x365 hotline support for all of the products used by JEA (CAD, OMS). Support provides JEA guidance on any proposed enhancements JEA needs related to the base products and interfaces with other systems. Support also provides patches and software updates for all products to stay current and ensures that all systems are providing what is needed to field personnel during storms.</p> <p>This request is for a new one (1) year single source award to extend the CGI Prima Software Support Agreement from 12/01/2021 to 11/30/2022 to maintain existing support. The terms and conditions of the current software support agreement will remain the same, however the cost has increased by 2.2% or \$7,113.00 based on the CCPI index through the new term ending 11/30/2022. This increase was accounted for in the FY22 budget. JEA is only awarding this for one (1) year because JEA's software versions have become very outdated and CGI will be introducing a 25% yearly surcharge following this year because of this. JEA will be doing a Request for Information (RFI) and then possibly a Request for Proposal (RFP) to explore if there are other potential products in the market.</p> <p>Request approval to award a one (1) year contract for CGI FMS CAD Software Support Agreement</p>
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## 12-02-2021 Awards Committee

							to CGI Technologies and Solutions Inc. in the amount of \$330,441.00, subject to the availability of lawfully appropriated funds.
6	Invitation for Bid (IFB) 3 Bidders	Erixton	\$1,496,985.00	\$2,083,777.30	Marmon Utility, LLC	Project Completion (Planned: 9/30/2022)	<p><b><u>69kV Circuit 649 Underground Ductbank &amp; Circuit</u></b></p> <p>The purpose of this solicitation is to construct a 0.24 mile 69kV underground duct-bank and transmission circuit from a riser pole located at 8371 Hare Avenue to the Oakwood Villa Substation.</p> <p>The reason for the replacement is due to circuits using the underground 69KV EPR transmission cable is well past that service life expectancy.</p> <p>The award amount, less the 10% SWA, is approximately 26% above the budget estimate. The portion of the Bid price in the amount of \$438,000.00, is for 2000 KCM (which is higher than on previous projects (currently \$94.20/ft. vs. \$54 – 86 / ft. for other projects and inventory historical prices). The subcontractor duct bank installation is subcontracted at 44% of the bid price and has also increased vs. previous projects. Given the current market conditions and materials cost increases on cables, duct bank materials and other materials, pricing is deemed reasonable. The award amount includes a 10% SWA. The remaining capital project funds will be returned after project completion.</p> <p>Request approval to award a contract to Marmon Utility LLC for the Circuit 649 circuit replacement services in the amount of \$2,083,777.30, subject to the availability of lawfully appropriated funds.</p>
7	Contract Increase	Vu	\$240,000.00 (budget amount)	\$240,000.00	Wind River Environmental , LLC dba Metro Rooter	Five (5) Years w/One (1) – 1 Yr. Renewal	<p><b><u>Emergency Waste Water Cleanup Services</u></b></p> <p>Periodically JEA has the need for outside contract resources to provide wastewater (sewage) cleanup services. When required, biosolids, sand, sewage, debris, grit and/or grease shall be removed from various JEA-owned wastewater system structures and pipe break locations such as, but not limited to: pump stations, manholes, wet wells, roadways, excavation sites, etc.</p> <p>Originally approved by Awards Committee on 04/19/2018 in the amount of \$885,000.00 to Metro</p>

## 12-02-2021 Awards Committee

							<p>Router. An administrative increase of \$88,500.00 was approved on 10/05/2021 to allow work to continue under the contract until a contract increase could be completed. It should be noted there was an error in the original award document. The original award stated the contract was for a three (3) year term, however, it should have stated a five (5) year term in keeping with the solicitation documents. This error was corrected in the contract in the 10/05/2021 administrative amendment.</p> <p>This request is to increase the contract with Metro Rooter for emergency waste water cleanup services. Metro Rooter has been performing well, and JEA needs to increase the funds available to finish out the five year term of the contract. JEA is adding the budgeted amount for these services, which is \$240,000.00 through the contract term.</p> <p>Request approval to increase the contract with Wind River Environmental, LLC (d.b.a. Metro Rooter) for Emergency Waste Water Cleanup Services in the amount of \$240,000.00, for a new not-to-exceed amount of \$1,213,500.00.</p>
8	Invitation for Bid (IFB) 3 bidders	McElroy	\$7,550,717.67	\$5,981,268.52 \$1,569,449.15	Ferguson Waterworks  Fortiline, Inc.	One (1) Year	<p><b><u>Water and Waste Water Items for JEA Inventory and Capital Projects</u></b></p> <p>The purpose of this Invitation for Bid (IFB) is to solicit pricing for one thousand three hundred and fifty one (1351) Water and Waste Water Items for JEA Inventory Stock and two hundred and seventy nine (279) Water and Waste Water Items for Capital Projects. The primary use of these items is to support the Water and Wastewater operations of JEA. During the last 12 months, the commodity spend for these items was \$4,786,128.87. At the time of the bid release, the inventory balance for the items found in this solicitation was \$1,386,468.93 with the average current lead time of 14-112 days depending on the item and three (3) items having a lead time of nine (9) months in Inventory and three (3) items having a lead time of twenty four (24) months in capital projects.</p> <p>During the last 12 months, most of these items were purchased through blanket purchase agreements. To compartmentalize JEA's requirements,</p>

## 12-02-2021 Awards Committee

						<p>the bid was created in two separate parts, with each separate part having its own basis of award; these two parts represent one for general inventory and one for capital projects</p> <p>The evaluation criteria for the general inventory portion of the bid was that the total lowest cost provider for each respective item would win, as long as the minimum qualifications were met and they quoted the correct JEA approved manufacturer and manufacturer part number. JEA evaluated the companies on price only.</p> <p>JEA also identified a subset of these items, two hundred seventy nine (279) items in particular, to be used in capital projects. To facilitate the ordering and receipt of these items, as well as the need to ensure the items arrived at project sites at the same time and from one vendor, this portion of the solicitation was separated with its own basis of award, in order to be awarded to only one vendor. The evaluation criteria for this portion was that the bidder with the lowest price for the entire lot would win, as long as the minimum qualifications were met and they quoted the correct JEA approved manufacturer and manufacturer part number.</p> <p>JEA also believes it is in the best interest of the company to have backup suppliers for the Water and Wastewater Inventory items, with the next highest ranked due to market conditions. This decision is based on risk reduction by awarding across multiple suppliers which shapes JEA's ability to efficiently and effectively operate. Ferguson Waterworks is willing to be a back up to the Fortiline, Inc. award, so JEA has included \$191,997.84 to Ferguson's new award and has added \$289,463.53, to the Fortiline's new award total to cover a NTE in the instance work is needed to be shifted. This increase should be noted that these are only NTE contract value increases and the out of pocket spend to JEA will only increase if an item is purchased from the secondary supplier, and will increase by the price delta between the primary and secondary supplier.</p> <p>Even with the aggregations of items and competitive bidding, JEA will realize an estimated cost increases via unit price increase totaling \$ 2,211,617.86 or forty one percent</p>
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## 12-02-2021 Awards Committee

							(41%). The price increases impacted almost all items, with only seventy (70) of one thousand three hundred fifty one (1351) items having decreased in price since the FY21 solicitation. The most notable increase were in PVC items which saw an average increase in price of over 120% from last year due to resin pricing and ductile iron which saw an average increase of over 90% from last year due to raw material pricing. We have foreseen these cost concerns throughout the year, we are largely just catching up to the market after favorable contracting.
9	Contract Increase	Erixton	\$390,000.00 (budget amount)	\$390,000.00	Unitherm, Inc.	Five (5) Years w/One (1) - 1 Yr. Renewal	<p><b><u>Electric Plant Insulation &amp; Lagging Services</u></b></p> <p>The purpose of this Invitation to Negotiate (ITN) is to solicit competitive Responses from lagging and insulation services companies that can provide all materials, labor, equipment, supervision, delivery and disposal for lagging services as described in this ITN at JEA's electric generating facilities.</p> <p>This contract increase is to provide funds to allow the contract to reach the May 2022 term for outages and ad-hoc service needs. A new solicitation is in process for these services.</p> <p>The contractor agreed to hold rates for the remaining term of the contract. JEA is preparing a new bid to replace this contract by the May 2022 expiration date.</p> <p>Request approval to award a contract increase to Unitherm Inc. for lagging and insulation services at JEA's electric generating facilities in the amount of \$390,000.00, for a new not to exceed amount of \$3,962,758.50, subject to the availability of lawfully appropriated funds.</p>
<b>Total Award</b>				\$13,254,884.10			

## **JEA AWARDS COMMITTEE NOVEMBER 18, 2021 MEETING MINUTES**

The JEA procurement Awards Committee met on November 18, 2021, in person with a WebEx option.

WebEx Meeting Number (access code): 160 199 4252

WebEx Password: pxP6CqUSt63

Members in attendance were Jenny McCollum as Chief Procurement Officer, Stephen Datz as Chairperson (on site), Hai Vu as Vice Chairperson (on site), Stephanie Nealy as Budget Representative, Regina Ross as Office of General Counsel Representative; with Blake Ostner for Laura Dutton, Joe Orfano, and Ricky Erixton (on site). Unless otherwise indicated, all attendees were via WebEx.

Chair Datz called the meeting to order at 10:00 a.m., introduced the Awards Committee Members, and confirmed that there was an in person quorum of the Committee membership present.

### Public Comments:

Chair Datz recognized the public comment speaking period and opened the meeting floor to public comments. No public comments were provided by email, phone or videoconference.

### Awards:

1. Approval of the minutes from the last meeting (11/04/2021). Chair Datz verbally presented the Committee Members the proposed November 4, 2021 minutes contained in the committee packet.

**MOTION:** Hai Vu made a motion to approve the November 4, 2021 minutes (Award Item 1). The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (5-0).

The Committee Members reviewed and discussed the following Awards Items 2, 3, 5 -11, 13:

2. Request approval to award a contract to the developer, Ryals Creek Community Development, for the construction of the water main and reclaimed water main by Vallencourt for the SEQ Stillwood Pines Phase 1 Reclaimed Water Main Project in the amount of \$395,820.94, subject to the availability of lawfully appropriated funds.

**MOTION:** Joe Orfano made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

3. Request approval to rescind this solicitation, and reject all Bids received in anticipation for rebidding of the Cloud and On-Premise Backup/Restore Licensing to try and increase competition.

**MOTION:** Ricky Erixton made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

4. **DEFERRED** - Request approval to award a three (3) year contract to Avepoint, Inc. to continue using JEA's existing backup/restore for Cloud and On Premise software in the amount of \$584,640.00, subject to the approval of lawfully appropriated funds.
5. Request approval to award a contract increase to RS&H, Inc. for Tenant Improvement Design Services for Proposed New JEA Corporate Headquarters (HQ), in the amount of \$70,000.00, for a new not-to-exceed amount of \$1,148,700.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Joe Orfano made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

6. Request approval of awarded purchase order to Cogburn Bros Inc., for KGS transformer TP7SU installation to support production availability in the amount of \$79,650.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Ricky Erixton made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

7. Request approval to award a contract to Mechling Engineering & Consulting Inc. for in the amount of \$633,333.33, subject to the availability of lawfully appropriated funds.

**MOTION:** Hai Vu made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Ricky Erixton and approved unanimously by the Awards Committee (5-0).

8. Request approval to award a contract to Perdue, Inc. for Furniture Procurement, Delivery and Service for New Headquarters for the first phase for a total amount of \$1,327,101.95, subject to the availability of lawfully appropriated funds.

**MOTION:** Joe Orfano made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

9. Request approval to award contracts to Calloway Contracting, Inc. (\$2,500,000.00), TB Landmark Construction, Inc. (\$2,000,000.00), J.B Coxwell Contracting, Inc. (\$2,000,000.00), and Petticoat-Schmitt Civil Contractors, Inc. (\$1,000,000.00) for construction services for Underground Water, Wastewater and Reuse Grid Repair and Installation Services in the amount of \$7,500,000.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Hai Vu made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Ricky Erixton and approved unanimously by the Awards Committee (5-0).

10. Request approval to award a contract to General Electric International for Mark VIe controls, HMI replacements and excitation controls upgrades in the amount of \$2,266,309.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Ricky Erixton made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (5-0).

11. Request approval to award contracts to STUART C IRBY CO. (\$156,600.47), ANIXTER INC. (\$565,696.99), GRESCO SUPPLY INC. (\$171,047.00) and ENGLEWOOD ELECTRICAL SUPPLY (\$124,474.43) for the supply of Miscellaneous Electrical Items carried in JEA's inventory stock for a total amount of \$1,017,818.89 subject to the availability of lawfully appropriated funds.

**MOTION:** Hai Vu made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Ricky Erixton and approved unanimously by the Awards Committee (5-0).

12. **DEFERRED** - Request approval to award an amendment to correct the name from ABB Enterprise Software Inc. to Hitachi Energy USA Inc. for the purchase of substation transformers for a previously approved not-to-exceed contract amount of \$4,160,229.00, and no change to the current SPX \$10,054,615.60 for a total not-to-exceed amount of \$14,214,844.60, subject to the availability of lawfully appropriated funds.
13. Request approval to award a one (1) year Single Source award to Oracle America Inc. for maintenance and support services for Oracle E-Business Suite (EBS), Oracle Databases and Middleware in the amount of \$2,948,902.07, subject to the availability of lawfully appropriated funds.

**MOTION:** Joe Orfano made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

Informational Item:

No informational items were presented to the Awards Committee.

Ratifications:

Award 2 is a full ratification.

Public Comments:

No additional public comment speaking period was taken.

Adjournment:

Chair Datz adjourned the meeting at 10:46 a.m.

**NOTE:** These minutes provide a brief summary only of the Awards Committee meeting. For additional detail regarding the content of these minutes or discussions during the meeting, please review the meeting recording. The recording of this meeting as well as other relevant documents can be found at the link below: [https://www.jea.com/About/Procurement/Awards\\_Meeting\\_Agendas\\_and\\_Minutes/](https://www.jea.com/About/Procurement/Awards_Meeting_Agendas_and_Minutes/)



# Formal Bid and Award System

Award #2      December 2, 2021

**Type of Award Request:** INVITATION FOR BID (IFB)  
**Request #:** 229  
**Requestor Name:** Breadon, William A. - Project Administrator Construction  
**Requestor Phone:** (904) 665-4285  
**Solicitation Title:** Fleet Service Center Renovations  
**Project Number:** 8006791 (Index # 207-42W)  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$1,299,925.00

**Scope of Work:**

JEA is soliciting Bids from contractors (hereinafter referred to as “Company”) for Fleet Service Center Renovations located at 5717 New Kings Road, Jacksonville, Florida. This project includes remodeling current administrative areas, with a buildout for new administrative office space in Bay One of the vehicle processing shop. The contract will include demolition of existing wood framed walls and ceiling, installation of metal stud and gypsum board partitions, plumbing, ACT grid and light fixtures, HVAC, VCT flooring, Fire Sprinkler system, sanitary sewer system replacing old septic system, upgrades to electrical circuits and outlets for the office area and conference room.

**JEA IFB/RFP/State/City/GSA#:** 1410378246  
**Purchasing Agent:** Selders, Elaine  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
WARDEN CONSTRUCTION CORPORATION	Gregory Lagimoniere	greg@wardencc.com	3653 Regent Blvd, Ste 201, Jacksonville, FL 32224	(904)928-9819	\$1,690,153.50

**Amount for entire term of Contract/PO:** \$1,690,153.50  
**Award Amount for remainder of this FY:** \$1,690,153.50  
**Length of Contract/PO Term:** Project Completion  
**Begin Date:** 12/08/2021  
**End Date:** Project Completion (Expected: July 2022)  
**JSEB Requirement:** Ten Percent (10%) Requirement

**Comments on JSEB Requirements:**

DN Concrete & Construction Services, LLC (Concrete, Earthwork and Exterior Improvements) – 10.5%

**BIDDERS:**

Name	Amount
WARDEN CONSTRUCTION CORPORATION	\$1,720,810.57
FORESIGHT CONSTRUCTION GROUP, INC.	\$2,075,400.00
W.W. GAY MECHANICAL CONTRACTOR INC.	\$3,421,667.00

**Background/Recommendations:**

Advertised on 08/30/2021. Nine (9) prime contractors attended the mandatory pre-bid meeting held on 09/08/2021. At Bid opening on 11/02/2021, JEA received three (3) Bids. Warden Construction Corporation is the lowest responsive and responsible Bidder. A copy of the Bid Form is attached as backup.

The base bid for this project is \$1,600,810.57 which is approximately twenty three percent (23%) higher than the original budget estimate for construction costs which is attributed to material price increases. The Bid Form included three alternative pricing options. This award includes Alternative 3 for the installation of an HVAC split system UV lights in the amount of \$8,859.43. The decision was made to reduce the Supplemental Work Allowance (SWA) of \$120,000.00 that was included on the Bid Form and award a smaller SWA amount of five percent (5%) in the amount of \$80,483.50, for an award total of \$1,690,153.50. The bid was reviewed by JEA and deemed reasonable. A budget trend is being completed to cover the increased pricing.

1410378246 – Request approval to award a contract to Warden Construction Corporation for construction services for the Fleet Service Center Renovations in the amount of \$1,690,153.50, subject to the availability of lawfully appropriated funds.

**Associate Manager:** Poteet, Matthew D. - Associate Mgr Facilities Capital Projects  
**Manager:** Crane, Christopher T. - Manager, Facilities Operations  
**Director:** Brunell, Baley L. - Dir Facilities & Fleet Services  
**VP:** McElroy, Alan D. - VP Supply Chain & Operations Support

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**

Addendum 6 - Appendix B - Bid Form  
1410378246 Fleet Services Building Renovations

Submit the Bid electronically as described in section 1.1.3 of the Solicitation.

Company Name: Warden Construction Corporation

Company's Address: 3653 Regent Blvd Suite 201 Jacksonville Florida 32224

License Number: CGC1507504

Phone Number: 904.928.9819 FAX No: 904.928.2091 Email Address: Greg@wardencc.com

<b>BID SECURITY REQUIREMENTS</b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Certified Check or Bond (Five Percent (5%))	<b>TERM OF CONTRACT</b> <input type="checkbox"/> One Time Purchase <input type="checkbox"/> Annual Requirements <input checked="" type="checkbox"/> Other, Specify - Project Completion
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<b>SAMPLE REQUIREMENTS</b> <input checked="" type="checkbox"/> None required <input type="checkbox"/> Samples required prior to Bid Opening <input type="checkbox"/> Samples may be required subsequent to Bid Opening	<b>SECTION 255.05, FLORIDA STATUTES CONTRACT BOND</b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Bond required 100% of Bid Award
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<b>QUANTITIES</b> <input type="checkbox"/> Quantities indicated are exacting <input checked="" type="checkbox"/> Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.	<b>INSURANCE REQUIREMENTS</b>  <p align="center"><b>Insurance required</b></p>
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<b>PAYMENT DISCOUNTS</b> <input type="checkbox"/> 1% 20, net 30 <input type="checkbox"/> 2% 10, net 30 <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None Offered	
--	--

ENTER YOUR BID FOR SOLICITATION 1410378246	TOTAL BID PRICE
<b>Total Bid Price for the Project (transfer total from Bid Workbook)</b>	\$1,600,810.57
<b>Supplemental Work Allowance (SWA)</b>	<b>\$120,000.00</b>
<b>Total Bid Price for the Project Including the SWA</b>	\$1,720,810.57
<b>Alternate 1 – Optional pricing for Installation/ Replacement of Photovoltaic Array, Panels supplied by JEA</b>	\$105,052.50
<b>Alternate 2 – Optional pricing for Installation / permitting of force main from property line to JEA force main as indicated on drawings</b>	\$128,397.50
<b>Alternate 3 – Optional pricing for Installation of HVAC split system UV lights</b>	\$8,859.43

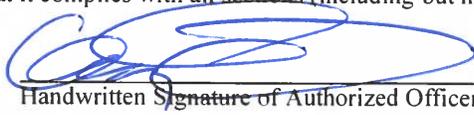
I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

**BIDDER CERTIFICATION**

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation.

We have received addenda

1 through 7



Handwritten Signature of Authorized Officer of Company or Agent 11/02/2021 Date

Gregory Lagimoniere, President  
Printed Name and Title



# Formal Bid and Award System

Award #4      December 2, 2021

**Type of Award Request:** SINGLE SOURCE  
**Request #:** 291  
**Requestor Name:** Maywood, Jonathan W.  
**Requestor Phone:** (904) 665-8512  
**Project Title:** Spun Concrete Transmission Poles Circuit 663 Rebuild  
**Project Number:** 8006126  
**Project Location:** JEA  
**Funds:** Capital  
**Award Estimate:** \$1,200,000.00 (including freight)

**Scope of Work:**

Purchase of new concrete transmission structures to replace eighty-five (85) existing concrete poles for circuit 663. This particular scope of supply will be completed when poles are delivered and accepted by JEA in May of 2022.

Background: With the shutdown of the SJRPP plant, the JEA system is experiencing a higher flow from the west and the southwest into the downtown 69 kV system. This line provides a southwest to northeast injection into the downtown load pocket. The line routinely shows up as overloaded under various contingencies during Electric T&D Planning studies. A higher thermal rating will provide additional capacity under various contingencies to import additional power from FPL’s Duval Substation to serve load to the east. As a side note, this circuit 663 replacement also requires the purchase of steel transmission poles is being processed in parallel to this order and will provide the poles to support this circuit replacement project.

**JEA IFB/RFP/State/City/GSA#:** N/A  
**Purchasing Agent:** Lovgren, Rodney Dennis  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
VALMONT NEWMARK INC	Tony Gabel	tgabel@valmont.com	4131 Highway 17 South Bartow FL 33830	(863) 533- 6465	\$1,451,256.00

**Amount for entire term of Contract/PO:** \$1,451,256.00  
**Award Amount for remainder of this FY:** \$1,451,256.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 12/09/2021  
**End Date (mm/dd/yyyy):** Project Completion (Expected – 05/2022)  
**JSEB Requirement:** N/A – Standard  
**BIDDER:**

Name	Amount
VALMONT NEWMARK INC	\$1,451,256.00

**Background/Recommendations:**

In the past, JEA bid concrete poles between two (2) companies, Accord Industries and Valmont Newmark Inc. These were the only companies that could meet the technical requirements for these poles regarding ground line moment capacity, size, diameter and taper requirements.

As of 2011, Accord Industries discontinued their spun concrete transmission pole services, making Valmont Newmark Inc the only company that can meet JEA’s requirements. JEA elected to standardize on Valmont Newmark Inc making the supplier a single source per the JEA Procurement Code, section 3-112 Single Source. The approved standards documentation and single source form are attached as backup.

Concrete poles represent a more economical alternative than equivalent-sized steel poles; however, they require additional space considerations. The installation and construction of the circuit will be bid out under a separate solicitation.

The purchase order prices will be fixed through delivery, with payment on delivery. JEA last awarded concrete poles in May of 2021. When comparing the award amount to the Budget Estimate there is an approximate 21% increase in price which is deemed reasonable considering current market conditions. The budget for this material was developed in FY21 when material & manufacturing costs were lower than today, and was adjusted at the time of negotiations.

Request approval to award a contract to Valmont Newmark Inc to supply spun concrete poles for the circuit 663 rebuild project in the amount of \$1,451,256.00, subject to the availability of lawfully appropriated funds.

- Manager:** Hamilton, Darrell – Mgr Transmission and Substation Projects
- Director:** Limbaugh, Margaret – Director Energy Project Management
- Sr. Director:** Acs, Gabor - Director Electric T&D Projects
- VP:** Erixton, Ricky - VP Electric Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**

6. BID FORM

PROPOSAL FOR SPUN CONCRETE TRANSMISSION POLES

PROJECT: SPUN CONCRETE TRANSMISSION POLES FOR THE  
CIRCUIT 663 REBUILD (85 POLES)

Bidder Please Write Company Name Here: Valmont Industries, Inc.

Bid Item No.	Standard Design No.	Structure No.	Strength / Total Length / UD Holes	Required Quantity	Unit Price	Extended Bid Price
1	A6221 10k-075-16	13, 49, 50	10 kip / 75'	3	\$ 11,692	\$ 35,076
2	A6221 10k-075-17.5	9A, 10, 14	10 kip / 75'	3	\$ 11,692	\$ 35,076
3	A6221 10k-075-18.5	21, 32, 39, 40, 41, 42	10 kip / 75'	6	\$ 11,349	\$ 68,094
4	A6221 10k-080-18	20, 23	10 kip / 80'	2	\$ 12,184	\$ 24,368
5	A6221 10k-080-20	9, 33, 34, 35	10 kip / 80'	4	\$ 12,183	\$ 48,732
6	A6221 10k-080-22	15	10 kip / 80'	1	\$ 12,185	\$ 12,185
7	A1251 10k-085-19	11, 27, 28	10 kip / 85'	3	\$ 13,083	\$ 39,249
8	A6221 10k-085-19	19, 43, 48, 51	10 kip / 85'	4	\$ 13,083	\$ 52,332
9	A6221 10k-085-21.5	8, 31, 36	10 kip / 85'	3	\$ 13,083	\$ 39,249
10	A6221 10k-085-24	16	10 kip / 85'	1	\$ 13,083	\$ 13,083
11	A6221 10k-090-20	7	10 kip / 90'	1	\$ 13,984	\$ 13,984
12	A6221 10k-090-20 UD2	24	10 kip / 90' / UD	1	\$ 13,984	\$ 13,984
13	A6221 10k-095-18 UDA	47	10 kip / 95' / UD	1	\$ 14,918	\$ 14,918
14	A6221 10k-095-20	6, 38, 46	10 kip / 95'	3	\$ 14,917	\$ 44,751
15	A1213 10k-100-18	44	10 kip / 100'	1	\$ 15,917	\$ 15,917
16	A1251 10k-100-18	1	10 kip / 100'	1	\$ 15,917	\$ 15,917
17	A1251 10k-100-18.5 UDA	53, 54, 63, 64, 65, 66, 76, 77, 79	10 kip / 100' / UD	9	\$ 15,915	\$ 143,235
18	A1251 10k-100-20.5 UDA	81, 82	10 kip / 100' / UD	2	\$ 15,917	\$ 31,834
19	A1251 10k-100-21 UDB	60	10 kip / 100' / UD	1	\$ 15,917	\$ 15,917
20	B1261 10k-105-21	2	10 kip / 105'	1	\$ 16,951	\$ 16,951
21	A1251 10k-105-22-UDA	55, 56, 57, 58, 67, 85, 86, 87	10 kip / 105' / UD	8	\$ 16,949	\$ 135,592
22	A1251 10k-110-21 UDA	88, 90	10 kip / 110' / UD	2	\$ 18,016	\$ 36,032
23	A1251 10k-110-21 UDB	83, 84	10 kip / 110' / UD	2	\$ 18,016	\$ 36,032
24	A1251 10k-110-21 UDB+5	89	10 kip / 110' / UD	1	\$ 18,017	\$ 18,017
25	A6221 12k-100-20.5	18	12 kip / 100'	1	\$ 15,917	\$ 15,917
26	A1252 12k-100-21 UDA	80	12 kip / 100' / UD	1	\$ 15,917	\$ 15,917
27	A6221 12k-100-25	17	12 kip / 100'	1	\$ 15,917	\$ 15,917
28	A1252 16k-100-20.5 UDA	78	16 kip / 100' / UD	1	\$ 17,119	\$ 17,119
29	A1251 16k-100-21 UDB	62	16 kip / 100' / UD	1	\$ 17,119	\$ 17,119
30	A6221 16k-100-22	37	16 kip / 100'	1	\$ 17,119	\$ 17,119
31	A1252 16k-105-23.5 UDA	59	16 kip / 105' / UD	1	\$ 18,185	\$ 18,185
Bid Item No.	Standard Design No.	Structure No.	Strength / Total Length / UD Holes	Required Quantity	Unit Price	Extended Bid Price

32	A6221 16k-105-24 UDA	25	16 kip / 105' / UD'	1	\$ 18,185	\$ 18,185	
33	A1241C 16k-110-21 UDA	68	16 kip / 110' / UD	1	\$ 19,351	\$ 19,351	
34	A1251 16k-110-26 UDX	71	16 kip / 110' / UD	1	\$ 19,351	\$ 19,351	
35	A1244C 20k-095-29.5	12	20 kip / 95'	1	\$ 16,086	\$ 16,086	
36	B1261 20k-110-20 UDA	91	20 kip / 110' / UD	1	\$ 19,383	\$ 19,383	
37	B1261 24k-120-26.5 UDC	69, 70	24 kip / 120' / UD	2	\$ 23,449	\$ 46,898	
38	A1244C 28k-085-23	10A	28 kip / 85'	1	\$ 16,152	\$ 16,152	
39	A1252 28k-105-24	45	28 kip / 105'	1	\$ 20,885	\$ 20,885	
40	A1213 32k-090-26	22	32 kip / 90'	1	\$ 18,719	\$ 18,719	
41	Pile Anchor 24k-025-20.5	29 Pile 1,2 30 Pile 1,2	24 kip / 25'	4	\$ 5,818	\$ 23,272	
42	Freight for all poles						\$ 195,156
					Total =	\$ 1,451,256	

My (our) lump sum bid for the items described above and in the tabulated total quantities is: \$ 1,451,256.

I (we) agree to provide approval drawings within 30 calendar days after receipt of the "notice to proceed" / purchase order.

And I (we) agree to complete deliveries of all items within 120 calendar days after the approval of the design calculations and approval drawings.

SIGNED FOR BIDDER:   
 TITLE: MANAGER OPERATION SUPPORT



**Jacksonville Electric Authority**  
 Circuit 663 Rebuild  
 Florida

11/9/2021

**Q110921-01**

QTY POLES	STRUCTURE NUMBER	POLE LENGTH (ft)	EMB. (ft)	A.G.L. (ft)	TIP DIA (in)	BUTT DIA (in)	WEIGHT (lbs)	UNIT PRICE	EXTENDED PRICE	FREIGHT
3	13 49 50	75	16.0	59.00	17.55	33.75	25,000	\$ 11,692	\$ 35,076	\$ 4,977
3	9A 10 14	75	17.5	57.50	17.55	33.75	25,000	\$ 11,692	\$ 35,076	\$ 4,977
6	21 32 29 40 41 42	75	18.5	56.50	17.55	33.75	25,000	\$ 11,349	\$ 68,094	\$ 9,954
2	20 23	80	18.0	62.00	17.55	34.83	27,500	\$ 12,184	\$ 24,368	\$ 3,318
4	9 33 34 35	80	20.0	60.00	17.55	34.83	27,500	\$ 12,183	\$ 48,732	\$ 6,636
1	15	80	22.0	58.00	17.55	34.83	27,500	\$ 12,185	\$ 12,185	\$ 1,659
3	11 27 28	85	19.0	66.00	17.55	35.91	30,200	\$ 13,083	\$ 39,249	\$ 4,977
4	19 43 48 51	85	19.0	66.00	17.55	35.91	30,200	\$ 13,083	\$ 52,332	\$ 6,636
3	8 31 36	85	21.5	63.50	17.55	35.91	30,200	\$ 13,083	\$ 39,249	\$ 4,977
1	16	85	24.0	61.00	17.55	35.91	30,200	\$ 13,083	\$ 13,083	\$ 1,659
1	7	90	20.0	70.00	17.55	36.99	32,900	\$ 13,984	\$ 13,984	\$ 1,659
1	24	90	20.0	70.00	17.55	36.99	32,900	\$ 13,984	\$ 13,984	\$ 1,659
1	47	95	18.0	77.00	17.55	38.07	35,700	\$ 14,918	\$ 14,918	\$ 2,021
3	6 38 46	95	20.0	75.00	17.55	38.07	35,700	\$ 14,917	\$ 44,751	\$ 6,063
1	44	100	18.0	82.00	17.55	39.15	38,700	\$ 15,917	\$ 15,917	\$ 2,821
1	1	100	18.0	82.00	17.55	39.15	38,700	\$ 15,917	\$ 15,917	\$ 2,821
9	53 54 63 64 65 66 76 77 79	100	18.5	81.50	17.55	39.15	38,700	\$ 15,915	\$ 143,235	\$ 25,389
2	81 82	100	20.5	79.50	17.55	39.15	38,700	\$ 15,917	\$ 31,834	\$ 5,642
1	60	100	21.0	79.00	17.55	39.15	38,700	\$ 15,917	\$ 15,917	\$ 2,821
1	2	105	21.0	84.00	17.55	40.23	41,800	\$ 16,951	\$ 16,951	\$ 2,821
8	55 56 57 58 67 85 86 87	105	22.0	83.00	17.55	40.23	41,800	\$ 16,949	\$ 135,592	\$ 22,568
2	88 90	110	21.0	89.00	17.55	41.31	45,000	\$ 18,016	\$ 36,032	\$ 6,112
2	83 84	110	21.0	89.00	17.55	41.31	45,000	\$ 18,016	\$ 36,032	\$ 6,112
1	89	110	21.0	89.00	17.55	41.31	45,000	\$ 18,017	\$ 18,017	\$ 3,056
1	18	100	20.5	79.50	17.55	39.15	38,700	\$ 15,917	\$ 15,917	\$ 2,821
1	80	100	21.0	79.00	17.55	39.15	38,700	\$ 15,917	\$ 15,917	\$ 2,821
1	17	100	25.0	75.00	17.55	39.15	38,700	\$ 15,917	\$ 15,917	\$ 2,821
1	78	100	20.5	79.50	19.71	41.31	42,300	\$ 17,119	\$ 17,119	\$ 2,821
1	62	100	21.0	79.00	19.71	41.31	42,300	\$ 17,119	\$ 17,119	\$ 2,821
1	37	100	22.0	78.00	19.71	41.31	42,300	\$ 17,119	\$ 17,119	\$ 2,821
1	59	105	23.5	81.50	19.71	42.39	45,500	\$ 18,185	\$ 18,185	\$ 3,056
1	25	105	24.0	81.00	19.71	42.39	45,500	\$ 18,185	\$ 18,185	\$ 3,056
1	68	110	21.0	89.00	19.71	43.47	49,000	\$ 19,351	\$ 19,351	\$ 3,056
1	71	110	26.0	84.00	19.71	43.47	49,000	\$ 19,351	\$ 19,351	\$ 3,056
1	12	95	29.5	65.50	19.71	40.23	39,200	\$ 16,086	\$ 16,086	\$ 2,021
1	91	110	20.0	90.00	19.71	43.47	49,100	\$ 19,383	\$ 19,383	\$ 3,056
2	69 70	120	26.5	93.50	21.87	47.79	61,300	\$ 23,449	\$ 46,898	\$ 6,348
1	10A	85	23.0	62.00	24.03	42.39	39,400	\$ 16,152	\$ 16,152	\$ 1,659
1	45	105	24.0	81.00	24.03	46.71	53,600	\$ 20,885	\$ 20,885	\$ 3,056
1	22	90	26.0	64.00	24.03	43.47	47,100	\$ 18,719	\$ 18,719	\$ 1,895
4	29 Pole 1, 2 - 30 Pole 1, 2	25	20.5	4.50	21.87	27.27	8,400	\$ 5,818	\$ 23,272	\$ 6,636

85

Poles \$ 1,256,100  
 Freight \$ 195,156

**Notes:**

- Prices do not include sales tax or use tax.
- Delivery 14-16 weeks after receipt of approved drawings.  
poles to be unloaded by JEA/Contractor within 4 hours of scheduled delivery time to avoid detention charges.
- Pricing includes the spun concrete pole, freight (separate line item), through holes, step bolts, galv pointed pole cap & internal ground wire.  
Pricing also includes 1" & 7/8" DCIP Inserts as needed.  
Pricing does not include pole/attachment hardware, mounting brackets, lights, lighting equipment, or signed and sealed foundation/PE drawings.
- Quote is valid for 30 days.
- The poles were designed based on JEA received specifications. Valmont is providing the PLD files with this quote.
- Any future changes in the pole designs or project requirements may result in a change in price.
- Valmont Newmark is providing proposed T's & C's with this quote. These agreed to terms have been used on previous Valmont/ JEA orders.

Contract Terms & Conditions

For

JEA and Valmont for the Purchase of Engineered Equipment

Dated 8/16/2019

1.0 The follow terms and conditions are mutually agreed to by JEA (Customer) and Valmont Newmark (Company) for the supply of engineering concrete poles

## 1.1 DEFINITIONS

### 1.1.1 Definitions [JEA-C457]

Words and terms defined in this section shall have the same meaning throughout all parts of the Contract Documents. Where intended to convey the meaning consistent with that set forth in its definition, a defined word or term is marked by initial capitalization. The "Technical Specifications" part may define additional words and terms where necessary to clarify the Work. Unless otherwise stated in the Contract Documents, definitions set forth in the "Technical Specifications" shall apply only within the "Technical Specifications."

### 1.1.2 Definition: Acceptance [JEA-C221]

JEA's written notice by the Contract Administrator to the Company that all Work as specified in the Contract has been completed in accordance with the Technical Specifications for the Work. Approval or recognition of the Company meeting a Milestone or interim step does not constitute Acceptance of that portion of Work. Acceptance is only applicable to the entirety of Work as specified in the Contract. Except as otherwise expressly provided in the Contract Documents, acceptance does not in anyway limit JEA's rights under the Contract or applicable laws, rules and regulations.

### 1.1.3 Definition: Addendum/Addenda [JEA-C222]

A change or changes to the Solicitation issued in writing by the JEA Procurement Department and incorporated into the Solicitation and Contract Documents.

### 1.1.4 Definition: Award [JEA-C225]

The issuance of a Purchase Order by the JEA Procurement Department to the Company notifying the Company that it has been authorized by JEA to perform the Work.

### 1.1.5 Definition: Bid Document [JEA-C226]

The section of the Solicitation titled Bid Document, completed in its entirety and in accordance with the Solicitation, and submitted to JEA as the Company's offer which includes Bid forms, certifications and other required submittals.

### 1.1.6 Definition: Bid or Proposal [JEA-C228]

The document describing the Bidder's offer submitted in response to this Solicitation. Bid and Proposal shall be considered synonymous for the purpose of this Contract.

### 1.1.7 Definition: Bid Price [JEA-C229]

The total dollar amount of the Bidder's offer including, but not limited to, all labor, materials, overheads, profits, other expense, and any and all other cost items incurred by the Bidder in successfully performing the Work in accordance with the Contract Documents.

### 1.1.8 Definition: Bid Section [JEA-C227]

The office located at 21 West Church Street, Jacksonville, FL, on the first floor of the JEA Tower building, and where Bids are administered and received.

### 1.1.9 Definition: Bidder or Proposer [JEA-C230]

The respondent to this Solicitation. Bidder and Proposer shall be considered synonymous for the purpose of this Solicitation.

### 1.1.10 Definition: Change Order [JEA-C231]

A written order issued by the JEA Procurement Department after execution of the Contract to the Company signed by the Contract Administrator or his designated representative, accepted by the Company in writing, and authorizing an addition, deletion, or revision of the Work, or an adjustment in the Contract Price or the Contract Time. Change Orders do not authorize expenditures greater than the monies encumbered by JEA, which is shown on the associated Purchase Order(s). An executed Change Order resolves all issues related to price and time for the work included in the Change Order.

### 1.1.11 Definition: Company [JEA-C232]

The legal person, firm, corporation or any other entity or business relationship with whom JEA has executed the Contract. Where the word "Company" is used it shall also include permitted assigns. Contractor and Company shall be considered synonymous for the purpose of the Contract.

1.1.12 Definition: Company Representative [JEA-C233]

The individual responsible for representing the Company in all activities concerning the fulfillment and administration of the Contract.

1.1.13 Definition: Company Supervisor [JEA-C234]

The individual, employed or contracted by the Company, to manage the Work on a day-to-day basis and ensure the Work is performed according to the Contract. The Company Supervisor may be authorized by the Company Representative to act on Contract matters. Such authorization shall be in writing and delivered to the Contract Administrator and shall clearly state the limitations of any such authorization. In the event that the Company Supervisor and the Company Representative is the same person, the Company shall notify the Contract Administrator of such situation.

1.1.14 Definition: Contract [JEA-C235] \*\*\*

The agreement between the Company and JEA as evidenced by this Contract including Exhibits

1.1.15 Definition: Contract Administrator [JEA-C236]

The individual assigned by JEA to have authority over the Contract, including the authority to negotiate all elements of the Contract with the Company, authorize Change Orders within the maximum amount awarded, terminate the Contract, seek remedies for nonperformance including termination, and otherwise act on behalf of JEA in all matters regarding the Contract. The Contract Administrator may authorize JEA Representative in writing to make minor changes to Field Work with the intent of preventing Work disruption.

1.1.16 Definition: Contract Documents [JEA-C237]

Contract Documents means the Contract and any written Change Orders, amendments or Purchase Orders executed by JEA.

1.1.17 Definition: Contract Price [JEA-C238]

The total amount payable to the Company under the Contract, as set forth in Exhibit A.

1.1.18 Definition: Contract Time [JEA-C239]

The number of calendar days or the period of time from when the written Notice to Proceed is issued to the Company, to the date Company has agreed to complete the Work, as set forth in the Contract Documents.

1.1.19 Definition: Defect [JEA-C242]

Work that fails to meet the requirements for the Work as set forth in the Technical Specifications.

1.1.20 Definition: Final Completion [JEA-C246]

The point in time after JEA has Accepted the Work, in accordance with Section 6.5, Acceptance,, and the Company has fulfilled all requirements of the Contract Documents.

1.1.21 Definition: Holidays [JEA-C247]

The following days: New Year's Day, Martin Luther King's Birthday, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Day after Thanksgiving, Christmas Eve, and Christmas Day

1.1.22 Definition: Invoice [JEA-C249]

A document seeking payment to Company from JEA for all or a portion of the Work, in accordance with the Contract Documents, and including at a minimum the following items: the Company name and address, a description of the product(s) or service(s) rendered, a valid JEA PO number, the amount payable, the payee name and address, any associated JSEB forms and any other supporting documentation required by the Contract Documents.

1.1.23 Definition: JEA [JEA-C250]

JEA on its own behalf, and when the Work involves St. Johns River Power Park (SJRPP), as agent for Florida Power & Light Company (FPL). JEA and FPL are co-owners of SJRPP.

1.1.24 Definition: JEA Representatives [JEA-C253]

The Contract Administrator, Contract Inspector, Contract Administrator's Representative, JEA Engineer, Field Engineer, Project Manager, and other persons designated by the Contract Administrator as JEA Representatives acting in a capacity related to the Work or Contract under the authority of the Contract Administrator.

1.1.25 Definition: Milestone [JEA-C254]

A point in time representing a key or important intermediate event in the Work. A Milestone is to be capable of validation by meeting all of the items prescribed in a defining checklist as agreed to in writing by JEA.

1.1.26 Definition: Overtime [JEA-C256]

Work approved in writing by the Contract Administrator that is required to be performed beyond an employee's scheduled workday or work week, including Work performed on Holidays.

1.1.27 Definition: Payment and Performance Bond [JEA-C257]

The common-law Performance Bond and the statutory Payment Bond contemplated by Section 255.05, Florida Statutes in the form required by JEA.

1.1.28 Definition: Performance - Acceptable Performance/Performer [JEA-C258]

The Company averages more than 2.80 and less than 4.0 across all performance scorecard evaluation metrics, and does not receive a score of less than 2.0 on any metric.

1.1.29 Definition: Performance - Top Performance/Performer [JEA-C259]

The Company averages 4.0 or more across all scorecard evaluation metrics and does not receive a score of less than 4.0 on any one metric. Continuous performance for six months or more at Top Performance, or intermittent performance on at least three Contracts performed over at least a six-month period at Top Performer levels, qualifies the Company for designation as a JEA Blue Ribbon Vendor. JEA Blue Ribbon Vendors receive special promotional recognition from JEA.

1.1.30 Definition: Performance - Unacceptable Performance/Performer [JEA-C260]

The Company averages less than 2.80 across all scorecard evaluation metrics, or scores a 1.0 on any one metric regardless of average, or receives a score of 2.0 on the same metric on two sequential performance evaluations.

1.1.31 Definition: Pre-Work Meeting [JEA-C261]

A meeting conducted after Award and prior to the start of any Field Work between JEA and the Company. The purpose of the meeting may include, but is not limited to orientation, schedule, certification and permitting, and other preparatory or Work execution details.

1.1.32 Definition: Purchase Order (PO) [JEA-C263]

A Work authorization document issued by the JEA Procurement Department with the words "Purchase Order" clearly marked across the top, a PO number used for reference shown on the front, a description of the Work or a listing of the applicable Contract Documents, an authorized JEA signature and stating the amount of lawfully authorized funds. Purchase Orders are the only documents that authorize changes to the total amount authorized on the Contract. [Comment: Should the references to "Purchase Orders" be changed to "Change Orders"?)

1.1.33 Definition: Quality Assurance [JEA-C265]

Actions that JEA takes to assess the Company's performance under the Contract.

1.1.34 Definition: Quality Control [JEA-C266]

Actions that the Company takes to ensure it successfully completes the Work in full accordance with the requirements of the Technical Specifications.

1.1.35 Definition: Solicitation [JEA-C270]

The document (which may be electronic) issued by the JEA Procurement Department to solicit Bids or Proposals from Bidders that includes, but is not limited to, the Bid Document, samples of documents and Addenda.

1.1.36 Definition: Subcontractor [JEA-C271]

A provider of services performing Work under contract for the Company.

1.1.37 [Intentionally Omitted]

1.1.38 Definition: Summary Schedule [JEA-C273]

A diagram displaying the Milestones for the Work graphically positioned on a timeline, showing at a minimum the calendar dates on which each Milestone is scheduled to be completed for Acceptance.

1.1.39 Definition: Term [JEA-C274]

The period of time during which the Contract is in force, from formal notice of Award to Final Completion, or termination. In some cases, and as expressly stated, some of the Contract requirements may extend beyond the Term of the Contract.

1.1.40 Definition: Unit Prices [JEA-C275]

The Bidder's charges, rounded to the nearest cent, to JEA for the performance of each respective unit of Work as defined on the Bid Documents for all items required for successfully performing the Work through Acceptance.

1.1.41 Definition: Work [JEA-C276]

Work includes all Services (defined as any technical, field and/or other services the Company is to perform as specifically described in the Contract Documents), Poles (defined as spun concrete utility poles and related attachments and hardware, all as specifically listed in the Contract Documents), and responsibilities to be furnished or performed by the Company under the Contract.

1.1.42 Definition: Work Location [JEA-C277]

The place or places where the Work is performed, excluding the properties of the Company and/or the Subcontractor(s).

1.2 SECTION TITLE: ACCEPTANCE [JEA-512]

1.2.1 Acceptance of Work - After Receipt, Inspection, Usage and Testing [JEA-C279] \*\*\*

The Contract Administrator will make the determination when Work is completed and there is Acceptance by JEA. Acceptance will be made by JEA only in writing, and after adequate time to ensure Work is performed in accordance with Contract Documents. JEA will reject any Poles delivered by Company that are not in accordance with the requirements of the Technical Specifications, and shall not be deemed to have accepted any Poles until JEA has had reasonable time to inspect them following delivery. Any Poles delivered by Company to the destination point specified in the Contract Documents will be deemed Accepted on the thirtieth (30<sup>th</sup>) day following delivery unless JEA provides written notice of rejection of the Poles to Company prior to the expiration of such thirty (30) day period. ~~or, if later, within a reasonable time after any latent defect in the items has become apparent. JEA may partially accept the Work items. If JEA elects to accept nonconforming items, it may in addition to other remedies, be entitled to deduct a reasonable amount from the price as compensation for the nonconformity~~ Any Acceptance by JEA of the Work, or any portion thereof, even if nonconditional, shall not be deemed a waiver, or settlement or acceptance of any Defect in the Work.

Specifically, the following shall be required prior to Acceptance:

- Poles shall be delivered to the job site(s) as coordinated by the Contractor representing JEA
- Poles shall be inspected and approved by the JEA Project Engineer to ensure that they conform with the manufacturer's shop drawings

1.2.2 [Intentionally Omitted]

1.3 SECTION TITLE: PRICE & PAYMENTS [JEA-513]

1.3.1 Certificate of Contract Completion and Final Payment [JEA-C281]

The Company shall complete and submit to JEA the Certificate of Contract Completion as notice that the Work, including the correction of all known deficiencies in the Work, is complete. By submitting the certificate, the Company certifies the following:

- that the Work has been completed in accordance with the Contract Documents;
- that no liens have attached against the property and improvements of JEA;
- that no notice of intention to claim liens are outstanding;
- that no suits are pending by reason of the Work;
- that all workers' compensation claims known to the Company have been reported to JEA;
- that the surety provides a release; and
- that no known public liability claims are pending.

The Company shall submit its final Invoice and the "Consent of Surety for Release of Retainage", if applicable, with the completed Certificate of Contract Completion. JEA shall make final payment on the Contract in accordance with the provisions of the Contract.

1.3.2 Invoicing and Payment Terms [JEA-C474]

The Company shall submit all Invoices or Applications for Payment using JEA's prescribed forms and format and in accordance with the payment method agreed upon in these Contract Documents. JEA will pay the Company the amount

requested within 30 calendar days after receipt of an Invoice from the Company subject to the provisions stated below.

JEA may reject any Invoice or Application for Payment within 20 calendar days after receipt. JEA will return the Invoice or Application for Payment to the Company stating the reasons for rejection. Upon receipt of an acceptable revised Invoice or Application for Payment, JEA will pay the Company the revised amount within 10 days.

JEA may withhold payment if the Company is in violation of any conditions or terms of the Contract Documents.

In the case of early termination of the Contract, all payments made by JEA against the Contract Price prior to notice of termination shall be credited to the amount, if any, due the Company. If the parties determine that the sum of all previous payments and credits exceeds the sum due the Company, the Company shall refund the excess amount to JEA within 10 days of determination or written notice.

1.3.3 Payment and Performance Bond [JEA-C284]  
Not Used.

1.3.4 Payment Method – UPON DELIVERY  
For each Pole on the Purchase Order the company shall submit to JEA an Invoice for one hundred percent (100%) of the Purchase Order Price corresponding to each delivery. All payments shall be reviewed and approved by JEA's Engineer. The Milestone payment schedule associated with each Purchase Order Work or Services is provided below:

Milestone #	Description	Percent
1	Upon Delivery on a per item basis	100%

\*Company may submit one invoice with multiple items, after delivery has been made

1.3.5 Taxes [JEA-C292]  
JEA is authorized to self-accrue the Florida Sales and Use Tax (Direct Payment Certificate Number 0138) and is exempt from Manufacturer's Federal Excise Tax when purchasing tangible personal property for its direct consumption.

Work is exempt from Florida Sales and Use Tax due to performance for multifuel generation facilities, JEA will provide the Company affidavit of such and the Company shall not include the price in its Bid.

1.4 SECTION TITLE: PERFORMANCE [JEA-514]

1.4.1 Company Representatives [JEA-C298]  
The Company shall provide JEA with the name and responsibilities of the Company Representative, in writing after Award of the Contract and before starting the Work under the Contract. Should the Company need to change the Company Representative, the Company shall promptly notify JEA in writing of the change.

1.4.2 Completion of Work (PO) [JEA-C425]  
The Company shall begin Work within 10 days per the date found on the agreed upon Purchase Order from JEA to begin Work, and shall complete the Work by the date set forth in the Contract Documents. The Company further understands and agrees that time is of essence with respect to the Final Completion date and should the Company fail to complete the Work on or before the date established for Final Completion due solely to the Company's fault, the Company shall be solely responsible for additional costs as defined in the Contract.

1.4.3 Emergency Events [JEA-C306]  
In the event that a system-wide emergency arises during the Term of this Contract for which JEA requires assistance from the Company including, but not limited to, severe storms, large-scale fires, floods, and terrorist attacks, the Company acknowledges the importance of JEA infrastructure and agrees to support restoration efforts of JEA. The Contract Administrator shall notify the Company when an emergency event occurs. In the event conditions are such that an emergency event is likely in progress, but the Company has not been notified by the Contract Administrator, the Company shall make all efforts to contact a JEA Representative to determine if and how it should respond. JEA agrees to reimburse the Company per the Company's current published rates, as a result of supporting JEA during the emergency event.

1.4.4 Licenses [JEA-C314]  
The Company shall comply with all licensing and/or certification requirements pursuant to applicable laws, rules and regulations in effect on the Effective Date of the Contract. The Company shall secure all licenses as required for the

performance of the Work and shall pay all fees associated with securing them. The Company shall produce written evidence of licenses and other certifications immediately upon request from JEA.

#### 1.4.5 Limitation of Accuracy of Informational Materials [JEA-568]

For all drawings, test results, inspections, and other informational materials included as part of the Contract Documents, the Company understands and agrees that any existing facilities shown, including underground, overhead, and surface structures, and other delineations, and any other informational items provided as part of the Contract Documents are for reference only and are not to be used by the Company as the only indication of Work conditions.

#### 1.4.6 Pre-Work Meeting and Progress Meetings [JEA-C320]

Not Used.

#### 1.4.7 Reporting [JEA-C325]

The Company shall provide the reports as defined in the Contract Documents.

Specifically, the company shall provide a Quality Control Report for each Pole to be provided so that it can be verified that the Poles meet the Technical Specifications.

Where the reporting frequency is daily, reports shall be submitted by noon of the following workday. Where the reporting frequency is weekly, reports are due by Monday at noon, covering the prior workweek. Where Monday is a Holiday, the reports are due at noon on the next workday. Where reports are due monthly, reports are due by noon on the first business day of each month. Sample forms for reports may be included in the Contract Documents. Where they are included they are to be used. Where they are not included, the Company shall provide a sample of its proposed report format for each report to the Contract Administrator at least one-week prior to its initial due date. The Contract Administrator will review and either approve or reject use of the report. Where proposed report is rejected, Company shall resubmit revised report formats, until Contract Administrator approves format. Reporting cycle shall begin upon PO date, or, if used, date of Notice to Proceed.

Where the Contract calls for reports to be submitted by Company, such reports shall be submitted electronically via email to the Contract Administrator.

#### 1.4.8 Safety and Protection Precautions [JEA-C329]

The Company shall comply with all applicable federal, state and local laws, ordinances, all JEA procedures and policies, all as in effect on the Effect date of the Contract, including, but not limited to, JEA's Contractor Safety Management Process (available at JEA.com), and orders of any public body having jurisdiction for the safety of persons or protection of property. The Company understands and agrees that violation of any provision of this clause is grounds for immediate termination of the Contract.

The Company shall only use those Subcontractors who have met JEA Safety Prequalification requirements per the JEA Contractor Safety Management Process. The Company shall ensure that Subcontractors and their personnel have all the necessary personal protective equipment and training needed to perform Work safely.

The Company understands and agrees that JEA Representatives may stop Work at any time that JEA, at its sole discretion, considers the Company's on-site Services Work to be unsafe or a risk to property, and to direct the Company to, at a minimum, perform as directed in such a way as to render the Work environment safe. The Company understands and agrees that it is responsible for paying all costs associated with providing a safe work environment including, but not limited to, any costs associated with any JEA directed safety improvements. The Company further understands and agrees that it is solely responsible for the safety of personnel and property associated with the Work, and that any actions taken by JEA to prevent harm to persons or damage to equipment does not, in any way, relieve the Company of this responsibility.

The Company Representative, or alternatively, the Company Supervisor, shall be designated as the Company's individual responsible for the prevention of accidents at any Work Locations at which Work is performed by Company personnel.

The Company shall notify the police and fire departments as to its Work Location in order to ensure prompt response in an emergency.

#### 1.4.9 Schedules - Milestone [JEA-C331]

The Company shall submit a Summary Schedule to JEA prior to starting the Work indicating the starting and completion dates of the major activities of the Work. The Company shall update the Summary Schedule at least once per week and submit the updated Summary Schedule weekly to the Contract Administrator.

#### 1.4.10 Storm Preparedness [JEA-C462]

Not used.

#### 1.4.11 Unforeseen Conditions [JEA-569]

The Company understands and agrees that it is its responsibility to conduct due diligence prior to the Work. Such due diligence includes verifying all measurements and dimensions, the accuracy of drawings, and other informational materials provided in the Contract Documents; provided, however, that Company may rely upon and assume the accuracy of the Technical Specifications and any other information provided by JEA to Company for purposes of designing and engineering the Poles Company is supplying to JEA under the Contract Documents, and any other causes for existing or potential changes to the Work prior to initiating the Work. In the event that the Work must be changed due to the Company's failure to fulfill the above requirements, the Company understands and agrees that it will be responsible for all costs associated with the changed condition.

In the event, however, that the Company exercises the requisite due diligence and a change to the Work becomes necessary resulting from conditions that are clearly unforeseen and that could not have been discovered, the costs for adjusting the Work in response to such unforeseen conditions shall be addressed as stated herein in "Change in the Work" JEA-164.

#### 1.4.12 Vendor Performance Evaluation [JEA-C338]

##### Use of Vendor Performance Evaluation Scorecards

JEA may evaluate the Company's performance using the evaluation criteria shown on the vendor scorecard available at JEA Procurement Bid Section, JEA Tower Suite 103, 21 W. Church Street, Jacksonville, FL 32202 or online at JEA.com. Scores for all metrics shown on the evaluation range from a low of 1, meaning significantly deficient performance, to a high of 5, meaning exceptionally good performance. The Company's performance may be classified as Top Performance, Acceptable Performance, or Unacceptable Performance, as defined herein. The evaluator will be a designated JEA employee or JEA contractor familiar with the performance of the Company. The evaluator's supervisor and the Chief Purchasing Officer will review deficient performance letters and Unacceptable Performance scorecards, as described below, prior to issuance. When evaluating the Company's performance, JEA will consider the performance of the Company's Subcontractors and suppliers, as part of the Company's performance.

##### Frequency of Evaluations

JEA may conduct performance evaluations and prepare scorecards in accordance with the procedures described herein at any time during performance of the Work or soon after the completion of the Work. JEA may conduct one or more evaluations determined solely at the discretion of JEA.

##### Unacceptable Performance

If at anytime, JEA determines, using the criteria described on the scorecard, that the performance of the Company is Unacceptable, the Contract Administrator and Chief Purchasing Officer or his designated alternate will notify the Company of such in a letter. The Company shall have 10 days to respond to the Contract Administrator. Such response shall include, and preferably be delivered in-person by an officer of the Company, the specific actions that the Company will take to bring the Company's performance up to at least Acceptable Performance.

Within 30 days from date of the first Unacceptable Performance letter, the Contract Administrator and Chief Purchasing Officer or his designated alternate will notify the Company by letter as to whether its performance, as determined solely by JEA, is meeting expectations, or is continuing to be Unacceptable. If the Company's performance is described in the letter as meeting expectations, no further remedial action is required by the Company, as long as Company's performance continues to be Acceptable.

If the Company's performance as described in the letter continues to be Unacceptable, or is inconsistently Acceptable, then the Company shall have 15 days from date of second letter to demonstrate solely through its performance of the Work, that it has achieved Acceptable Performance. At the end of the 15-day period, JEA will prepare a scorecard documenting the Company's performance from the start of Work, or date of most recent scorecard, whichever is latest, and giving due consideration to improvements the Company has made in its performance, or has failed to make. If the scorecard shows Company's performance is Acceptable, then no further remedial action is required by Company as long as Company's performance remains Acceptable. If the scorecard shows the Company's performance is Unacceptable, JEA will take such actions as it deems appropriate including, but not limited to, terminating the Contract for breach, suspending the Company from bidding on any JEA related solicitations, and other remedies available in the JEA Purchasing Code and in law. Such action does not relieve the Company of its obligations under the Contract, nor does it preclude an earlier termination.

In the event that the Contract Term or the remaining Term of the Contract does not allow for the completion of the deficient

performance notification cycles described above for those in danger of receiving an Unacceptable Performance scorecard, JEA may choose to accelerate these cycles at its sole discretion.

If the Company receives five or more letters of deficiency within any 12 month period, then JEA will prepare a scorecard describing the deficiencies and the Company's performance will be scored as Unacceptable.

#### Acceptable Performance

JEA expects the Company's performance to be at a minimum Acceptable.

#### Top Performance

Where the Company is able to demonstrate consistent Top Performance for a period of not less than six months, JEA shall recognize the Company, by inducting the Company as a JEA Blue Ribbon Supplier. JEA Blue Ribbon Suppliers are, to the extent reasonably possible and practical, provided preferential consideration when awarding emergency-related work that cannot be competitively publicly bid. JEA Blue Ribbon Suppliers, may also be subject to consideration for a reduction in lower retainage and bonding requirements after Award, as determined by the Chief Purchasing Officer at the time of Award.

#### Disputes

In the event that the Company wants to dispute the results of its scorecard performance evaluation, the Company must submit a letter to the Chief Purchasing Officer supplying supplemental information that it believes JEA failed to take into account when preparing the scorecard. Such letter, along with supplemental information, must be submitted no later than 10 days following the Company's receipt of the scorecard. If the Chief Purchasing Officer decides to change the scorecard, the Company will be notified and a revised scorecard will be prepared, with a copy issued to the Company. If the Chief Purchasing Officer decides that no change is warranted, the decision of the Chief Purchasing Officer is final. If the Company is to be suspended from consideration for future award of any contracts, the Company may appeal to the Procurement Appeals Board as per JEA Purchasing Code.

There can be no expectation of confidentiality of performance-related data in that all performance-related data is subject to disclosure pursuant to Florida Public Records Laws. All scorecards are the property of JEA.

#### 1.4.13 Work Schedules [JEA-C353]

The Approved Schedule, as defined in the Contract Documents and agreed upon by JEA and the Company, is established on the basis of working five days per week, single shift, eight hours per day or four days per week, single shift, 10 hours per day. JEA may require the Company to base its schedule on an accelerated Work schedule or multiple shifts. The Company shall not schedule work on Holidays without obtaining prior written approval from JEA.

The Company shall, at no additional cost to JEA, increase or supplement its working force and equipment and perform the Work on an Overtime or multiple shift basis when directed by JEA and upon notification that the Company is behind schedule. The Company shall submit a revised schedule in writing demonstrating the Company's schedule recovery plans.

The Company understands and agrees that the rate of progress set forth in the Approved Schedule already allows for ordinary delays incident to the Work. No extension of the Contract Time will be made for ordinary delays, inclement weather, or accidents, and the occurrence of such events will not relieve the Company from requirement of meeting the Approved Schedule. The Company will be given schedule relief when the delays are caused by JEA or any of JEA's agents or other contractors or are due to a force majeure event described in Section 6.17.10. If JEA requests schedule delays for their convenience, Company will be given schedule and price relief for these delays.

#### 1.5 SECTION TITLE: JSEB CERTIFIED FIRMS [JEA-515]

Note Used

##### 1.5.1 Optional Use of Jacksonville Small Emerging Business (JSEB) Qualified Firms [JEA-C469]

Not used.

#### 1.6 SECTION TITLE: JEA FURNISHED ITEMS [JEA-516]

##### 1.6.1 Conditions of Provisioning [JEA-C356]

The Company understands and agrees that it shall be solely responsible for providing everything necessary to perform the Work and to be in full compliance with the Contract Documents, except for those items specifically listed herein as being provided by JEA.

Any use of JEA furnished items on non-JEA work is a breach of the Contract and a violation of the law. All JEA furnished

items are the property of JEA when issued, stored by Company, and used in performance of the Work. The Company agrees that it shall use all JEA furnished items in a manner consistent with industry practice, codes, laws, considering the condition of the JEA furnished item, the skills of the individuals using the JEA furnished item, and all environmental conditions. The Company understands and agrees that where JEA and the Company shall share JEA furnished items, JEA usage shall always have priority over Company usage, and the Contract Administrator shall have sole authority to resolve any usage dispute and such resolution shall not result in any claim by Company.

The Company agrees to return to JEA, and to the location as established by a JEA Representative, any unused or salvageable items prior to final payment. The Company agrees that JEA has the right to audit and investigate the Company at any time how the Company is using JEA furnished items. JEA will bill the Company for unaccountable JEA furnished material at the current JEA cost.

1.6.2 Access to Work Locations [JEA-357]

JEA will provide, as indicated in the Contract Documents, and no later than the date when needed by the Company, access to the Work Location, including rights-of-way or access thereto, and such other lands that are designated for the Company's use. JEA will secure easements for permanent structures or permanent changes in existing facilities, unless otherwise specified in the Contract Documents.

1.6.3 Compressed Air [JEA-359]

Not used.

1.6.4 Electricity [JEA-363]

Not Used.

1.6.5 Parking [JEA-378] \*\*\*

Parking for pole delivery trucks will be made available by the contractor representing JEA.

1.6.6 Temporary Storage - Inside [JEA-390]

Not Used.

1.6.7 Potable Water [JEA-380]

Not Used.

1.7 SECTION TITLE: FREIGHT, SHIPPING & STORAGE [JEA-517]

1.7.1 Shipping - FOB Destination [JEA-C149]

Items are purchased F.O.B. destination. The Company shall ensure the following:

- (a) Pack and mark the shipment to comply with the Contract specifications; or in the absence of specifications in the Contract Documents, prepare the shipment in conformance with carrier requirements;
- (b) Prepare and distribute commercial bills of lading;
- (c) Deliver the shipment in good order and condition to the point of delivery specified in the Contract;
- (d) Be responsible for any loss of and/or damage to the goods occurring before receipt of the shipment by JEA Representative at the delivery point specified in the Contract;
- (e) Be responsible for obtaining any permits required for transportation to the point of delivery specified in the Contract.
- (f) Furnish a delivery schedule and designate the mode of delivering carrier; and
- (g) Pay and bear all charges to the specified point of delivery.

1.7.2 Title and Risk of Loss [JEA-C154]

Ownership, risks of damage to or loss of the Work shall pass to JEA upon delivery of the Work, or any portion thereof, to destination point specified in the Contract. The Company shall assume all risk of loss or damage to the Work while items are in transit to the specified delivery point.

JEA's receipt or delivery of any equipment or other materials will not constitute JEA's Acceptance of the Work and will not constitute a waiver by JEA of any right, claim or remedy. In the event of loss or damage to the Work, the Company shall bear all costs associated with any loss or damage until Delivery of Work to the destination point specified in the Contract.

For equipment and materials removed from JEA sites or the Work locations for repairs, service or duplication, JEA will retain the title to equipment and materials removed.

## 1.8 SECTION TITLE: INSURANCE & INDEMNITIES [JEA-518]

### 1.8.1 Mutual Indemnification & Limitation of Liability

Company shall hold harmless, indemnify, and defend JEA against any claim, action, loss, damage, injury, liability, cost and expense (including, but not by way of limitation, reasonable attorney's fees and court costs) arising out of claims by third parties on account of injury (whether mental or corporeal) to persons, including death, or damage to property, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the Company and any person or entity used by Company in the performance of this Contract or Work performed thereunder.

JEA shall likewise indemnify, hold harmless, and defend the Company against any claim, action, loss, damage, injury, liability, cost and expense of whatsoever kind or nature (including, but not by way of limitation, reasonable attorney's fees and court costs) arising out of injury (whether mental or corporeal) to persons, including death, or damage to third party property, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the JEA and any person or entity used by JEA while engaged in activities related to this Contract.

In the event such damage or injury is caused by the joint or concurrent negligence of JEA and/or the Company, the loss or expense shall be borne by each party in proportion to its degree of negligence in accordance with Section 768.28 Fla. Stat., the Uniform Contribution Among Tortfeasors Act and subject to the Limitations of Liabilities defined below.

In case of third party claims, either party will provide the other reasonable notice of any third party claims.

In no event, whether as a result of breach of contract, indemnity, warranty, tort, strict liability or otherwise, shall Company's liability to JEA for any loss or damage arising out of, or resulting from this Contract, or from its performance or breach, or from the products or services furnished hereunder, exceed the Contract Price, and except as to title, any such liability shall terminate upon three years from the expiration of the applicable warranty period.

In no event, whether as a result of breach of contract, indemnity, warranty, tort, strict liability or otherwise, shall Company be liable for any special, consequential, incidental or penal damages including, but not limited to, loss of profit or revenues, loss of use of the products or any associated equipment, damage to associated equipment, cost of capital, cost of substitute products, facilities, services or replacement power, downtime costs, or claims of JEA or FPL's customers for such damages.

Indemnification and Sovereign Immunity: Notwithstanding any other term or condition of this Agreement, JEA's indemnification obligation shall be for tort claims only, subject to the provisions and limitations of Section 768.28, Florida Statutes.

### 1.8.2 Insurance Requirements [JEA-C159] \*\*\*

Before starting and until Acceptance of the Work by JEA, and without further limiting its liability under the Contract, Company shall procure and maintain at its sole expense, insurance of the types and in the minimum amounts stated below:

<u>Schedule</u>	<u>Amount</u>
<u>Workers' Compensation</u>	
Florida Statutory coverage and Employer's Liability (including appropriate Federal Acts)	Statutory Limits (Workers' Compensation) \$500,000 each accident (Employer's Liability)
<u>Commercial General Liability</u>	
Premises-Operations	\$1,000,000 each occurrence
Products-Completed Operations	\$2,000,000 annual aggregate for bodily injury and property damage, combined single limit
Contractual Liability	
Independent Contractors	
Broad Form Property Damage	
Explosion, Collapse and Underground Hazards (XCU Coverage) as appropriate	
<u>Automobile Liability</u>	

All autos-owned, hired,  
or non-owned

\$1,000,000 each occurrence, combined single limit

Excess or Umbrella Liability

\$3,000,000 each occurrence and annual aggregate

Company's Commercial General Liability and Excess or Umbrella Liability policies shall be effective for two years after Work is complete. The above Indemnification and Limitation of Liability provisions are separate and are not limited by the type of insurance or insurance amounts stated above.

Company shall specify JEA as additional insured for all coverage's except Workers' Compensation and Employer's Liability, but only to the extent of Company's indemnifications obligations as stated herein. Such insurance shall be primary to any and all other insurance or self-insurance maintained by JEA. Company shall include a Waiver of Subrogation on Commercial General and Automobile Liability and their associated Excess/Umbrella policies insurance in favor of JEA, its governing board, officers, employees, agents, successors and assigns to the extent protections are provided such parties as additional insureds.

Such insurance shall be written by a company or companies licensed to do business in the State of Florida and satisfactory to JEA. Prior to commencing any Work under this Contract, certificates evidencing the maintenance of the insurance shall be furnished to JEA for approval. The insurance certificate shall provide that no material alteration or cancellation, including expiration and non-renewal, shall be effective until 30 days after receipt of written notice by JEA. Failure by JEA to demand such certificates or other evidence of full compliance with these insurance requirements or failure of JEA to indemnify deficiencies from evidence provided, shall not be construed as a waiver of the Company's obligation to maintain such insurance. If the Company fails to maintain the insurance as set forth herein, the Company understands and agrees that JEA will have the right, but not the obligation, to purchase said insurance at the Company's full expense, including administrative and other costs incurred by JEA. Alternately, the Company's failure to maintain the required insurance may result in termination of the Contract. For all coverages required to remain in full-force after the Contract Term, the Company shall provide additional certificates as necessary to evidence such continuation, at anytime during the stipulated coverage period.

Company's certificates of insurance shall be mailed to JEA (Attn. Procurement Services), Customer Care Center, 6<sup>th</sup> Floor, 21 West Church Street, Jacksonville, FL 32202-3139.

The insurance certificates shall provide that no material alteration or cancellation, including expiration and non-renewal, shall be effective until 30 days after receipt of written notice by JEA.

1.9 SECTION TITLE: CHANGES TO WORK [JEA-519]

1.9.1 Change in the Work [JEA-C164]

To request or claim any change in the Work including, but not limited to change in scope, quantities, pricing, or schedules, the Company shall submit a letter to the Contract Administrator stating such request or claim. JEA shall have the right to approve or disapprove any request or claim for change as it deems necessary and in its best interests consistent with the other Contract requirements. Whether requested by the Company, claimed by the Company, or contemplated by JEA, no change shall be authorized unless made on a JEA Change Order signed by the Contract Administrator and the Company Representative or through a formal written amendment to this Contract.

In the event of an emergency endangering life or property where it is appropriate for the Company to take action, the Company shall undertake such actions to preserve life and property. JEA and the Company will determine after emergency is concluded, the extent of out-of-scope work performed by Company, and the Contract Administrator will issue a Change Order or amend the Contract for such work, if any and as necessary.

All requests for changes filed by the Company shall be in writing delivered to the Contract Administrator within 10 working days of when the event that prompted the claim was discovered. Upon receipt of the Company's claim notification, Contract Administrator will provide written direction as to the procedures that will be used to address the request. The Company's request shall be sufficiently detailed including itemized costs, condition and work descriptions and other information necessary to evaluate the merits of the claim. The Contract Administrator may reject requests providing insufficient supporting information. Any change in the Contract resulting from the request will be incorporated into the Contract via a Change Order or Purchase Order.

Prior to the Change Order being performed the value of work covered by a Change Order using one of the following

methods:

- a. Where the work is covered by established Unit Prices contained in the Contract, the Unit Price will be applied to the quantity of work,
- b. By mutual acceptance of lump sum price,
- c. By actual cost and a mutually acceptable fixed amount for overhead and profit, or

Where Bid Price was based on estimates quantities, prior to making final payment, JEA will determine actual quantities using sampling, surveying and other industry recognized means and prepare a Change Order adjusting the price to reflect actual volumes.

The Company shall immediately notify the Contract Administrator in writing of any unauthorized change in the scope of the Work or significant change in the quantities of the Work that may increase the Contract Price, require an extension of Work schedule, or negatively impact permitting or other regulatory requirements.

The Work schedule may be changed only by a Change Order or Purchase Order. The Company's request or claim for a Work schedule adjustment shall be in writing delivered to the Contract Administrator within five working days following the discovery of the event that prompted the claim. Where accepted by JEA, changes to Work schedule will only adjust for critical path impacts. Failure to include the necessary critical path analysis with request shall be grounds for rejecting the claim. The path of critical events mentioned herein means the series of interdependent Work events that must be sequentially performed and that require a longer total time to perform than any other such series. Upon receipt of the Company's request for a change in the Work schedule, the Contract Administrator will provide any additional directions in writing detailing the procedures that will be used to resolve the request, including provision of time impact or manpower and equipment loading schedules. Where JEA and the Company are unable to reach a mutually acceptable resolution of request, JEA will make a commercially reasonable determination, made in accordance with JEA's Purchasing Code, which shall be final.

All Work defined on Change Orders shall be subject to the conditions of the Contract, unless specifically noted on the Change Order.

#### 1.9.2 Company Review of Project Requirements [JEA-C165]

The Company shall review the Technical Specifications prior to commencing Work. The Company shall immediately notify the Contract Administrator in writing of any conflict with applicable law, or any error, inconsistency or omission it may discover. JEA will promptly review the alleged conflicts, errors, inconsistencies or omissions, and issue a Change Order or Purchase Order as appropriate if JEA is in agreement with the alleged conflict, and issue revised Technical Specifications. Any Work the Company performs prior to receipt of approved Change Order will be at the Company's sole risk.

#### 1.9.3 No Damage for Delay [JEA-C160]

Damage, loss, expense or delay incurred or experienced by the Company in the prosecution of the Work by reason of unforeseen circumstances, unanticipated difficulties and obstructions or other mischances that are generally considered to be part of the usual hazards associated with Work shall be borne entirely by the Company and shall not be the subject of any claim for additional compensation or change in Approved Schedule, unless stipulated otherwise in the Contract Documents.

The Company agrees that its remedy for any claims, damages or losses related to any delay, disruption or hindrance alleged to be caused by JEA or any of JEA's agents or other contractors, shall be an extension of the Contract completion date and reasonable additional compensation.

Any demand for equitable adjustment must be served in writing to JEA within five days of discovery of the event giving rise to any delay, disruption or hindrance. Any request for an equitable adjustment shall be accompanied by a logical time impact analysis, demonstrating the nature and magnitude of the event to the critical path.

Failure to strictly comply with these requirements shall be deemed a waiver of any right to seek equitable adjustment.

In the event the "no damage for delay" clause is inapplicable, there shall be no recovery for home office overhead and any damages claimed shall be proven by discreet accounting of direct project costs and no theoretical formula or industry estimating reference manuals shall be permissible.

#### 1.9.4 Notification of Surety [JEA-C167]

NOT USED.

1.9.5 Suspension of Work [JEA-C477]

JEA may suspend the performance of the Work rendered by providing the Company with five days written notice of such suspension. Schedules and payments for performance of the Work shall be amended by mutual agreement to reflect such suspension.

1.10 SECTION TITLE: LABOR (Services Work Only) [JEA-520]

1.10.1 Company's Labor Relations [JEA-C169]

The Company shall negotiate and resolve any disputes between the Company and its employees, or anyone representing its employees. The Company shall immediately notify JEA of any actual or potential labor dispute that may affect the Work and shall inform JEA of all actions it is taking to resolve the dispute.

1.10.2 Minimum Qualifications of Company Personnel [JEA-C170]

All Company personnel shall be at a minimum qualified for the tasks they are assigned. All Company personnel shall be able to read, write, speak and understand English. All Company personnel shall act in a professional manner, with due sensitivity to other persons at the Work Location. If JEA, at its sole discretion, determines that a Company person is unqualified, unfit, or otherwise unsuitable for the tasks assigned, the Company shall immediately stop the person from performing the tasks, and replace the person with a qualified individual. The Company shall pay all costs associated with replacing the unqualified person including, but not limited to, termination, recruiting, training, and certification costs.

The Company personnel assigned supervisory roles, and those with increased authority shall be held to strict scrutiny of their qualifications and suitability for their positions. In addition to the other provisions of this clause, the Company shall provide written documentation as to experience, education, licenses, certifications, professional affiliations, and other qualifications of the individual, within one day of request from the Contract Administrator. Any changes to such personnel after approval shall require the written permission of the Contract Administrator.

1.10.3 Nondiscrimination [JEA-C171]

The Company represents that it has adopted and will maintain a policy of nondiscrimination against employees or applicants for employment on account of race, religion, sex, color, national origin, age or handicap, in all areas of employee relations, throughout the Term of this Contract. .

The Company shall comply with the following executive orders, acts, and all rules and regulations implementing said orders or acts, which are by this reference incorporated herein as if set out in their entirety:

- 1) The provisions of Presidential Order 11246, as amended, and the portions of Executive Orders 11701 and 11758 as applicable to Equal Employment Opportunity;
- 2) The provisions of section 503 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA); and
- 3) The provisions of the Employment and Training of Veterans Act, 38 U.S.C. 4212 (formerly 2012).

The Company agrees that if any of the Work of this Contract will be performed by a Subcontractor, then the provisions of this subsection shall be incorporated into and become a part of the subcontract.

1.10.4 Payment of Overtime [JEA-C172]

Any Overtime required for Company to complete the Work within the Contract Time shall be at the sole cost and expense of Company. If JEA requires the Company to perform Overtime Work in order to complete the Work prior to the Contract Time, the Company shall bill JEA for the Overtime such that only the actual costs incurred by the Company relating to the payment of Overtime premiums, in accordance with the Company's then current overtime pay rates.

Overtime may only be charged to JEA if the Company was directed in writing by the Contract Administrator to incur the Overtime. Such authorization for Overtime shall be accompanied by a Change Order.

1.10.5 Scheduling of Overtime at JEA's Work Location [JEA-C173]

Not Used.

1.10.6 Show-Up Pay [JEA-C174]

In the event that inclement weather prevents the Company from performing Work, the Company may be obligated to pay its crew a show-up pay. The Company shall be solely responsible for providing this pay.

## 1.11 SECTION TITLE: RIGHTS & REMEDIES [JEA-521]

### 1.11.1 Offsets [JEA-C176]

In case the Company is in violation of any requirement of the Contract, JEA may withhold payments that may be due the Company, and may offset existing balances with any JEA incurred costs against funds due the Company under this and any other Company Contract with JEA, as a result of the violation, or other damages as allowed by the Contract Documents and applicable law.

### 1.11.2 Proprietary Information [JEA-C178]

The Company shall not copy, reproduce, or disclose to third parties, except in connection with the Work, any information that JEA furnishes to the Company. The Company shall insert in any subcontract a restriction on the use of all information furnished by JEA. The Company shall not use this information on another project. All information furnished by JEA will be returned to JEA upon completion of the Work.

### 1.11.3 Right to Audit and Financial Reporting [JEA-C327]

The following provisions, other than Audited Financial Statements, shall only apply to Work performed or provided by the Company on other than a unit or fixed price basis.

#### Accounting System

The Company shall establish and maintain a reasonable accounting system that enables JEA to readily identify the Company's assets, expenses, cost of goods, and use of funds.

#### Audited Financial Statements

The Company shall provide to JEA audited financial statements for the most recent fiscal year upon JEA's request, not later than five days after receipt of written request.

#### Content and Retention of Records

Such records shall include, but not be limited to, accounting records, written policies and procedures; subcontract files (including proposals of successful and unsuccessful bidders, bid recaps, etc.); all paid vouchers including those for out-of-pocket expenses; other reimbursement supported by invoices; ledgers; cancelled checks; deposit slips; bank statements; journals; original estimates; estimating work sheets; contract amendments and change order files; backcharge logs and supporting documentation; insurance documents; payroll documents; timesheets; memoranda; and correspondence. Company shall, at all times during the term of this Contract and for a period of five years after the completion of this Contract, maintain such records, together with such supporting or underlying documents and materials.

#### Inspection /Audit of Records

Upon JEA's request, the Company agrees to allow JEA to audit, to examine, and to make copies of or extracts from its financial and operating records (in whatever form they may be kept, whether written, electronic, or other) kept by the Company, its employees, agents, assigns, successors, and subcontractors, for the purpose of determining invoice accuracy, or otherwise assessing compliance with the Contract Documents.

The Company shall at any time requested by JEA, whether during or after completion of this Contract, and at Company's own expense make such records available for inspection and audit (including copies and extracts of records as required) by JEA. Such records shall be made available to JEA during normal business hours at the Company's office or place of business in a workspace suitable for the audit and [subject to a three day written notice/without prior notice]. In the event that no such location is available, then the financial records, together with the supporting or underlying documents and records, shall be made available for audit at a time and location that is convenient for JEA. The Company agrees to have knowledgeable personnel available to answer questions for the auditors during the time they are performing the audit and for a period of two weeks thereafter. Company shall ensure JEA has these rights with Company's employees, agents, assigns, successors, and subcontractors, and the obligations of these rights shall be explicitly included in any subcontracts or agreements formed between the Company and any subcontractors to the extent that those subcontracts or agreements relate to fulfillment of the Company's obligations to JEA.

#### Cost of Audits

Costs of any audits conducted under the authority of this right to audit and not addressed elsewhere will be borne by JEA unless certain exemption criteria are met. If the audit identifies overpricing or overcharges (of any nature) by the Company to JEA in excess of one-half of one percent (.5%) of the total contract billings, the Company shall reimburse JEA for the total costs of the audit. If the audit discovers substantive findings related to fraud, misrepresentation, or non-performance, JEA may recoup the costs of the audit work from the Company.

#### Billing Adjustments and Recoveries

Any billing payment recoveries to JEA that must be made as a result of any such audit or inspection of the Company's invoices and/or records shall be made within a reasonable amount of time (not to exceed 90 days) from presentation of JEA's findings to Company.

#### Failure to Comply

If Company fails to comply with the requirements contained in this clause, the Company may be found to be in breach of the Contract, be subject to debarment or suspension of bidding privileges with JEA, and/or JEA may exercise any other remedies available by law.

### 1.12 SECTION TITLE: REPRESENTATIONS & WARRANTIES [JEA-522]

#### 1.12.1 Company's Warranties [JEA-C473] \*\*\*

The Company warrants to JEA that the Poles shall be free from defects in material, workmanship and title and shall comply with the Technical Specifications.

Unless otherwise stated in the Contract Documents, the warranty period for Poles shall be one year from first use or 18 months from delivery of Poles to the destination point specified in the Contract, whichever occurs first.

The Company warrants that the Poles shall conform to all applicable standards and regulations promulgated by federal, state, local laws and regulations and applicable utility industry association standards set forth in the Technical Specifications, all as in effect at date of Contract. If the Poles fail to conform to such laws, rules, standards and regulations, JEA may return the Poles for correction or replacement at the Company's expense.

#### 1.12.2 Remedies

If the Poles do not meet the above warranties within the applicable warranty period, JEA shall promptly notify Company. Company shall thereupon at Company's option, repair or replace the defective Poles. If in Company's reasonable judgment the Poles cannot be repaired or replaced, Company shall refund or credit monies paid by JEA for that portion of Poles that do not meet the above warranties. Any repair or replacement by Company hereunder shall carry warranties on the same terms as described herein, except that the warranty period shall be (a) the remaining balance of the original warranty period, or (b) a period of 18 months from the date of such repair or replacement, whichever period ends later. In any event, the warranty period and Company's responsibilities set forth herein for such repair or replacement shall end no later than 18 months after expiration of the applicable original warranty period. JEA shall bear the costs of access (including removal and replacement of systems, structures or other parts of JEA's facility), de-installation, decontamination, re-installation and transportation unless such access (including removal and replacement of systems, structures or other parts of JEA's facility), de-installation, decontamination, re-installation and transportation was included in the Work.

These warranties and remedies are conditioned upon (a) proper storage, installation, operation, and maintenance of the Poles and conformance with the proper operation instruction manuals provided by Company; (b) JEA keeping reasonable records of operation and maintenance during the warranty period and providing Company access to those records, and (c) modification or repair of the Poles only as authorized by Company. Company does not warrant the Poles or any repaired Poles against normal wear and tear or damage caused by misuse, accident, or use against the advice of Company. Any modification or repair of any of the Poles not authorized by Company shall render the warranty null and void.

#### 1.12.3 Exclusive Remedies

This Warranty Section provides the exclusive remedies for all warranty claims based on failure of or defect in Poles, whether the failure or defect arises before or during the applicable warranty period. THE WARRANTIES PROVIDED IN THIS WARRANTY SECTION ARE THE ONLY WARRANTIES GIVEN BY THE COMPANY, AND THE COMPANY HEREBY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WHETHER ARISING FROM STATUTE, COMMON LAW, CUSTOM, COURSE OF DEALING, USAGE OF TRADE, OR OTHERWISE. NO

IMPLIED STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLIES.

1.12.4 Company's Knowledge of the Work [JEA-C183]

The Company represents that the Contract Price and the detailed schedule for the execution of the Work are based on its own knowledge and judgment of the Work to be performed, and not upon any representation of JEA. JEA assumes no responsibility for any understanding or representation made by any of its representatives during or prior to execution of the Contract unless such understandings or representations are expressly stated in the Contract and the Contract expressly provides that JEA assumes the responsibility.

1.12.5 Competent Performance of the Work [JEA-C186]

The Company represents that it will conduct the Work in a manner and with sufficient labor, materials and equipment necessary to affect a diligent pursuance of the Work through Final Completion. If the Company fails to perform the Work as represented, JEA must first notify and give Company reasonable time and access to correct the Work, then JEA may, at its sole discretion, take charge of the Work and furnish and provide the labor, materials, and equipment necessary to complete the Work as planned within the required time if JEA deems the organization of the Company or its management, or the manner in which Company is performing the Work, to be manifestly incompetent or inadequate to complete the Work as specified.

1.12.6 Performance of the Work [JEA-C189]

The Company represents and warrants that it has the full corporate right, power and authority to enter into the Contract and to perform the acts required of it hereunder, and that the performance of its obligations and duties hereunder does not and will not violate any Contract to which the Company is a party or by which it is otherwise bound. The Company warrants that the Work will be performed in a professional manner and with professional diligence and skill, consistent with accepted standards of the utility industry.

1.12.7 Safety Representation [JEA-C190]

The Company represents to JEA that it has the capacity to train and supervise its employees, Subcontractors and suppliers to ensure the Work complies with all safety requirements of the Contract Documents. The Company shall be responsible for executing the necessary safety training and supervision of its employees and Subcontractors, and acknowledges that JEA is not responsible for training or supervising the Company's employees, except when noted for the purpose of enforcing compliance with these safety requirements.

1.13 SECTION TITLE: TERM & TERMINATION [JEA-523]

1.13.1 Term of Contract - (Through Work Completion) [JEA-C461]

The Contract shall be in force through completion of all Work, Acceptance and final payment, including resolution of all disputes, claims, or suits, if any. Certain provisions of this Contract may extend past termination including Warranty provisions.

1.13.2 Termination for Convenience [JEA-C194]

JEA shall have the absolute right to terminate in whole or part the Contract, with or without cause, at any time after Award upon written notification of such termination.

In the event of termination for convenience, JEA will pay the Company for all Work that the Company has incurred, or those for which it becomes obligated prior to receiving JEA's notice of termination. If applicable, JEA will also pay the Company charges incurred less the reasonable resale value, of materials or equipment that the Company has already ordered, obtained or fabricated in connection with the Contract. JEA shall accept delivery of and pay to the Company the Contract Price for any Poles that are partially completed on the date that termination is to be effective.

Upon receipt of such notice of termination, the Company shall stop the performance of the Work hereunder except as may be necessary to carry out such termination and take any other action toward termination of the Work that JEA may reasonably request, including all reasonable efforts to provide for a prompt and efficient transition as directed by JEA. This Work shall be inclusive to the total termination amount paid to Company.

JEA will have no liability to the Company for any cause whatsoever arising out of, or in connection with, termination including, but not limited to, lost profits, lost opportunities, resulting change in business condition, except as expressly stated within these Contract Documents.

1.13.3 Termination for Default [JEA-C195] \*\*\*

JEA may give the Company written notice to discontinue all Work under the Contract in the event that:

- The Company assigns or subcontracts the Work without prior written permission;
- Any petition is filed or any proceeding is commenced by or against the Company for relief under any bankruptcy or insolvency laws;
- A receiver is appointed for the Company's properties or the Company commits any act of insolvency (however evidenced);
- The Company makes an assignment for the benefit of creditors;
- The Company suspends the operation of a substantial portion of its business;
- The Company suspends the whole or any part of the Work to the extent that it impacts the Company's ability to meet the Work schedule, or the Company abandons the whole or any part of the Work;
- The Company, at any time, violates any of the conditions or provisions of the Contract Documents, or the Company fails to perform as specified in the Contract Documents, or the Company is not complying with the Contract Documents;
- The Company attempts to willfully impose upon JEA items or workmanship that are, in JEA's sole opinion, defective or of unacceptable quality;
- The Company breaches any of the representations or warranties;
- The Company is determined, in JEA's sole opinion, to have misrepresented the utilization of funds or misappropriate property belonging to JEA; or
- Any material change in the financial or business condition of the Company.

If within fifteen (15) days after service of such notice upon the Company an arrangement satisfactory to JEA has not been made by the Company for continuance of the Work, then JEA may declare Company to be in default of the Contract.

Once Company is declared to be in default, JEA will charge the expenses of completing the Work to the Company and will deduct such expenses from monies due, or which at any time thereafter may become due, to the Company. If such expenses are more than the sum that would otherwise have been payable under the Contract, then the Company shall pay the amount of such excess to JEA upon receipt of notice of the expenses from JEA. JEA shall not be required to obtain the lowest price for completing the Work under the Contract, but may make such expenditures that, in its sole judgment, shall best accomplish such completion. JEA will, however, make reasonable efforts to mitigate the excess costs of completing the Work.

The Contract Documents shall in no way limit JEA's right to all remedies for nonperformance provided under law or in equity, except as specifically set forth herein. In the event of termination for nonperformance, the Company shall immediately surrender all Work records to JEA. In such a case, JEA may set off any money owed to the Company against any liabilities resulting from the Company's nonperformance.

JEA has no responsibility whatsoever to issue notices of any kind, including but not limited to deficient performance letters and scorecards, to the Company regarding its performance prior to default by Company for performance related issues.

JEA shall have no liability to the Company for termination costs arising out of the Contract, or any of the Company's subcontracts, as a result of termination for default.

#### 1.14 SECTION TITLE: GENERAL TERMS & CONDITIONS [JEA-524]

##### 1.14.1 Ambiguous Contract Provisions [JEA-C196]

The parties agree that this Contract has been the subject of meaningful analysis and/or discussions of the specifications, terms and conditions contained in this Contract. Therefore, doubtful or ambiguous provisions, if any, contained in this Contract will not be construed against the party who physically prepared this Contract. The rule commonly known as "Fortius Contra Proferentum" will not be applied to this Contract or any interpretation thereof.

##### 1.14.2 Amendments [JEA-C197]

This Contract may not be altered or amended except in writing, signed by JEA Procurement and the Company Representative, or each of their duly authorized representatives.

##### 1.14.3 Assigning of Contract [JEA-C213]

1.14.4 Not Used.

1.14.5

1.14.6 Choice of Law [JEA-C198]

This Contract, and the rights and duties of the parties arising from or relating to this Contract or its subject matter, shall be construed in accordance with the laws of the State of Florida, and the ordinances of the City of Jacksonville without regard to its conflicts of laws provisions. Each of the parties irrevocably submits to the exclusive jurisdiction of the courts of Florida, and further agree that the venue for any legal action brought by or files against JEA relating to any matter arising under this Contract shall be exclusively in that state or federal court, sitting in Duval county, Florida that has jurisdiction over such legal actions.

1.14.7 Confidentiality and Public Record Laws [JEA-574]

Any information disclosed by one party ("Disclosing Party") to the other party ("Recipient") in connection with this Contract that is marked confidential or that due to its character and nature, a reasonable person under like circumstances would treat as confidential (the "Confidential Information") will be protected and held in confidence by the Recipient. Confidential Information will be used only for the purposes of this Contract and related internal administrative purposes. Disclosure of the Confidential Information will be restricted to the Recipient's employees, contractors, or alliance companies on a "need to know" basis in connection with the Work, who are bound by confidentiality obligations no less stringent than these prior to any disclosure. Each party may disclose Confidential Information relating to the Work to providers of goods and services for the engagement to the extent such disclosure is necessary and reasonably anticipated. Confidential Information does not include information which: (i) is already known to Recipient at the time of disclosure; (ii) is or becomes publicly known through no wrongful act or failure of the Recipient; (iii) is independently developed by Recipient without benefit of Disclosing Party's Confidential Information; or (iv) is received from a third party which is not under and does not thereby breach an obligation of confidentiality. Each party agrees to protect the other's Confidential Information at all times and in the same manner as each protects the confidentiality of its own proprietary and confidential materials, but in no event with less than a reasonable standard of care. A Recipient may disclose Confidential Information to the extent required by law, but that disclosure does not relieve Recipient of its confidentiality obligations with respect to any other party. Except as to the confidentiality of trade secrets, these confidentiality restrictions and obligations will terminate five (5) years after the expiration or termination of the Contract under which the Confidential Information was disclosed, unless the law requires a longer period.

The parties acknowledge that JEA is a body politic and corporate that is subject to Chapter 119, Florida Statutes, and related statutes known as the "Public Records Laws". If a request is made to view such Confidential Information, JEA will notify Company of such request and the date that such records will be released to the requester unless Company obtains a court order enjoining such disclosure. If the Company fails to obtain that court order enjoining disclosure, JEA will release the requested information on the date specified. Such release shall be deemed to be made with the Company's consent and will not be deemed to be a violation of law, including but not limited to laws concerning trade secrets, copyright or other intellectual property.

1.14.8 Conflict and Order of Precedence [JEA-C199]

The Contract shall consist of JEA's Contract or Purchase Order together with these specifications and conditions including, but not limited to, the executed Bid Document, which shall be collectively referred to as the Contract Documents. This Contract is the complete agreement between the parties. Parol or extrinsic evidence will not be used to vary or contradict the express terms of this Contract. The Contract Documents are complementary; what is called for by one is binding as if called for by all. The Company shall, upon discovery, inform JEA in writing of any conflict, error or discrepancy in the Contract Documents. Should the Company proceed with the Work prior to written resolution of the error or conflict by JEA, all Work done is at the sole risk of the Company. JEA will generally consider this precedence of the Contract Documents in resolving any conflict, error, or discrepancy:

- Executed Change Orders / Amendment
- Contract
- Exhibit(s) to this Contract
- JEA Purchase Orders
- Drawings
- JEA Technical Specifications and Attachments thereto
- References
- Bid Document

The figure dimensions on drawings shall govern over scale dimensions. Contract and detailed drawings shall govern over general drawings. The Company shall perform any Work that may reasonably be inferred from the Contract as being required whether or not it is specifically called for. Work, materials or equipment described in words that, so applied, have a well-known technical or trade meaning shall be taken as referring to such recognized standards.

#### 1.14.9 Cumulative Remedies [JEA-C200]

Except as otherwise expressly provided in this Contract, all remedies provided for in this Contract shall be cumulative and in addition to and not in lieu of any other remedies available to either party at law, in equity or otherwise.

#### 1.14.10 Disputes

If a dispute occurs between JEA and the Company over a contractual issue that can not be mediated by the JEA Representative, the dispute shall be handled in accordance with Article 5 of the JEA Procurement Code.

#### 1.14.11 Entire Agreement [JEA-C201]

This Contract contains all of the understandings and agreements of the parties hereto in respect of the subject matter hereof as of the Effective Date of the Contract. Any and all prior understandings and agreements, expressed or implied, between the parties hereto in respect of the subject matter hereof shall be superseded hereby. Parol or extrinsic evidence will not be used to vary or contradict the express terms of this Contract.

#### 1.14.12 Expanded Definitions [JEA-C202]

Unless otherwise specified, words importing the singular include the plural and vice versa and words importing gender include all genders. The term "including" means "including without limitation", and the terms "include", "includes" and "included" have similar meanings. Any reference in this Contract to any other agreement is deemed to include a reference to that other agreement, as amended, supplemented or restated from time to time. Any reference in the Contract to "all applicable laws, rules and regulations" means all federal, state and local laws, rules, regulations, ordinances, statutes and codes.

#### 1.14.13 Force Majeure [JEA-C203]

No party shall be liable for any default or delay in the performance of its obligations under this Contract due to an act of God or other event to the extent that: (a) the non-performing party is without fault in causing such default or delay; (b) such default or delay could not have been prevented by reasonable precautions; and (c) such default or delay could not have been reasonably circumvented by the non-performing party through the use of alternate sources, work-around plans or other means. Such causes include, but are not limited to: act of civil or military authority (including but not limited to courts or administrative agencies); acts of God; war; terrorist attacks; riot; insurrection; inability of JEA to secure approval, validation or sale of bonds; inability of JEA or the Company to obtain any required permits, licenses or zoning; blockades; embargoes; sabotage; epidemics; fires; hurricanes, tornados, floods; or strikes or other events, conditions or circumstances beyond the reasonable control of the non-performing party.

In the event of any delay resulting from such causes, the time for performance of each of the parties hereunder (including the payment of monies if such event actually prevents payment) shall be extended for a period of time reasonably necessary to overcome the effect of such delay, except as provided for elsewhere in the Contract Documents.

In the event of any delay or nonperformance resulting from such causes, the party affected shall promptly notify the other in writing of the nature, cause, date of commencement and the anticipated impact of such delay or nonperformance. Such written notice, including Change Orders, shall indicate the extent, if any, to which it is anticipated that any delivery or completion dates will be thereby affected.

#### 1.14.14 Headings [JEA-C204]

The division of this Contract into sections, the insertion of headings and/or index numbers and the provision of a table of contents are for convenience of reference only and are not to affect the construction or interpretation of this Agreement.

#### 1.14.15 Language and Measurements [JEA-C205]

All communication between the Company and JEA, including all documents, notes on drawings, and submissions required under the Contract, will be in the English language. Unless otherwise specified in the Contract, the US System of Measurements shall be used for quantity measurement. All instrumentation and equipment will be calibrated in US System of Measures.

#### 1.14.16 Nonwaiver [JEA-C207]

Failure by either party to insist upon strict performance of any of the provisions of the Contract will not release either party from any of its obligations under the Contract.

#### 1.14.17 Notices and Correspondence [JEA-C208] \*\*\*

All notices required or permitted under this Contract shall be in writing and shall be deemed received if sent by one of the

following means: (a) upon receipt if delivered by hand; (b) one day after being sent by an express courier with a reliable system for tracking delivery; (c) three days after being sent by certified or registered first class mail, postage prepaid and return receipt requested; or (d) upon confirmed facsimile transmission provided that a copy shall be sent by another of the foregoing means. All notices shall be addressed by a party to the other party as follows:

In the case of JEA:

and to:

JEA  
Attn: Heather Burnett  
Contracts Manager  
21 W. Church St. CC-6  
Jacksonville, FL 32202

In the case of Company:

[JEA to insert information here - CompanyNoticeAddress]

Either party may change its address from time to time upon prior written notice to the other specifying the effective date of the new address.

#### 1.14.18 Publicity and Advertising [JEA-C209]

The Company shall not take any photographs, make any announcements or release any information concerning the Contract or the Work to any member of the public, press or official body unless prior written consent is obtained from JEA. JEA is governed by the Florida Public Records Laws so all Contract Documents are available for public inspection. In addition, JEA is governed by Florida Sunshine Laws and as such, certain meetings are required to be open to the public.

#### 1.14.19 References [JEA-C210]

Unless otherwise specified, each reference to a statute, ordinance, law, policy, procedure, process, document, drawing, or other informational material is deemed to be a reference to that item, as amended or supplemented from time to time. All referenced items shall have the enforcement ability as if they are fully incorporated herein.

#### 1.14.20 Relationship of the Parties [JEA-C211]

The Company agrees that it shall perform the Work as an independent contractor and that it does not (a) have the power or authority to bind JEA or to assume or create any obligation or responsibility, express or implied, on JEA's part or in JEA's name, except as may be authorized by JEA under a separate written document, or (b) represent to any person or entity that it has such power or authority except as may be authorized by JEA under a separate written document.

#### 1.14.21 Severability [JEA-C212]

In the event that any provision of this Contract is found to be unenforceable under applicable law, the parties agree to replace such provision with a substitute provision that most nearly reflects the original intentions of the parties and is enforceable under applicable law, and the remainder of this Contract shall continue in full force and effect.

#### 1.14.22 Subcontracting or Assigning of Contract [JEA-C213]

Each party agrees that it shall not subcontract, assign, delegate, or otherwise dispose of the Contract, the duties to be performed under the Contract, or the monies to become due under the Contract without the other party's prior written consent.

The assignment of the Contract will not relieve either of the parties of any of its obligations until such obligations have been assumed in writing by the assignee. If the Contract is assigned by either of the parties, it will be binding upon and will inure to the benefit of the permitted assignee. The Company shall be liable for all acts and omissions of its assignee or its Subcontractor.

#### 1.14.23 Survival [JEA-C214]

The obligations of JEA and the Company under this Contract that are not, by the express terms of this Contract, fully to be performed during the Term, shall survive the termination of this Contract for any reason.

#### 1.14.24 Third Party Agreements [JEA-557]

Unless otherwise agreed in writing by JEA, JEA shall have no obligation to enter into any third party agreements under this Contract. Such third party agreements shall include, but not be limited to: joint check agreements, and revocable or

irrevocable letters of direction with sureties. In the event JEA agrees to execute any such agreement(s), then such agreement(s) shall incorporate additional language as required by JEA's Chief Purchasing Officer.

#### 1.14.25 Time and Date [JEA-C215]

Unless otherwise specified, references to time of day or date mean the local time or date in Jacksonville, FL. If under this Contract any payment or calculation is to be made, or any other action is to be taken, on or as of a day that is not a regular business day for JEA, that payment or calculation is to be made, and that other action is to be taken, as applicable, on or as of the next day that is a regular business day. Where reference is made to day or days, it means calendar days. Where reference is made to workday, workdays, business day, or business days, it means regular working days for JEA Procurement.

#### 1.14.26 Waiver of Claims [JEA-C218]

A delay or omission by JEA or the Company hereto to exercise any right or power under this Contract shall not be construed to be a waiver thereof. A waiver by JEA or the Company under this Contract shall not be effective unless it is in writing and signed by the party granting the waiver. A waiver by a party of a right under, or breach of, this Contract shall not be construed to operate as a waiver of any other or successive rights under, or breaches of, this Contract.

The Company's obligations to perform and complete the Work in accordance with the Contract shall be absolute. None of the following will constitute a waiver of any of JEA's rights under the Contract: approval or payment of any progress payments or any other payments, including final payment; issuance of the Certificate of Contract Completion; any use or occupancy of the Work by JEA; nor any correction of faulty or defective work by JEA.

### 1.15 SECTION TITLE: WORK

### 1.16 SECTION TITLE: SCOPE

#### 1.16.1 Obligations of the Company

The Company shall provide everything necessary to successfully complete the Work except the materials, obligations, assumptions and services specifically stated in the Contract to be provided by JEA. No payments, other than those shown in the Bid Documents, will be made to the Company for performance of any requirements of the Contract Documents. The Company shall perform all Work in accordance with the Contract Documents, the applicable JEA standards manuals, safety manuals, policies, accepted commercial work practices, provided by JEA to the Company, and local, state, and federal, rules regulations and laws which may be amended from time to time, all as in effect at Contract Date. The Company shall provide all permits, certifications, insurances, and bonds necessary or required by good practice, except where specifically stated in the Contract to be provided by JEA.

The Company personnel shall perform all Work in a professional, efficient, and competent manner. The Company is obligated to provide personnel possessing the skills, certifications, licenses, training, tools, demeanor, motivation, and attitude to successfully complete the Work. The Company is obligated to remove individuals from performing Work under this Contract when the Company recognizes an individual to not be working in a manner consistent with the requirements of this Contract, or when JEA notifies the Company that JEA has determined an individual or group of individuals to not be working in a manner consistent with the requirements of this Contract. The Company is obligated to ensure that their officers and executives interact with JEA, JEA customers, whether direct or indirect customers of JEA, with the utmost level of professionalism and integrity.

In the event the Company chooses to use Subcontractors, the Company is obligated to provide Subcontractors possessing the skills, certifications, licenses, training, tools, demeanor, motivation and attitude to successfully perform the work for which they are subcontracted. The Company is obligated to remove Subcontractors from performing Work under this Contract when the Company recognizes that a Subcontractor is failing to work in a manner consistent with the requirements of this Contract, or when JEA notifies the Company that JEA has determined a Subcontractor is failing to work in a manner consistent with the requirements of this Contract.

The Company is obligated to ensure that sufficient supervision of the Work is provided. This includes ensuring that the Company Supervisor is at the Work Location when Work is being performed for Services Work.

The Company shall bear responsibility for the efficiency, adequacy and safety of the performance of the Work, including temporary Work and facilities, until Acceptance. The Company shall be responsible for any loss or damage to Company's materials, tools, labor, and equipment used during the performance of, or in connection with, the Work. Any JEA comments or approval regarding the Company's performance, materials, working force, or equipment will not relieve the Company of any responsibility.

1.17 SECTION TITLE: LOCATION [JEA-527]

1.17.1 Work Location [JEA-C460] \*\*\*

Work shall be performed at the following location(s):

- Poles shall be manufactured at the company's own facility.
- Poles shall be delivered to the worksite(s) as described in the Project Specific Technical Specifications or purchase orders.

1.17.2 Nuclear Use

Poles and Services sold hereunder are not intended for use in connection with any nuclear facility or activity without the written consent of Company. JEA warrants that it shall not use, or permit others to use Poles and/or Services for such purposes, unless Company agrees to such use in writing.

IN WITNESS WHEREOF, the Parties hereto have duly executed this Agreement, in duplicate, the day and year

first above written.

ATTEST:

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

ATTEST:

JEA

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

John McCarthy

1.17.2.1.1 Title: \_\_\_\_\_

Director, Procurement Services

Approved by Awards Committee on Thursday, \_\_\_\_\_, 2008, Award Item # \_\_\_\_\_  
IFB # \_\_\_\_\_

Form Approved:

\_\_\_\_\_  
Office of General Counsel

EXHIBIT A  
PRICING

EXHIBIT B  
TECHNICAL SPECIFICATIONS



# *Certification of Single Source or Emergency Procurement*

Please use this form to certify a Single Source or Emergency Procurement complies with the requirements of the JEA Procurement Code. The JEA Procurement Code defines a Single Source and Emergency Procurement as follows:

## **3-112 Single Source**

A Contract may be awarded for Supplies or Services as a Single Source when, pursuant to the Operational Procedures, the Chief Procurement Officer determines that:

- (a) there is only one justifiable source for the required Supplies or Services;
- (b) the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item or compatibility within a JEA utility system, and such Supplies or Services may not be obtained from multiple sources such as distributors;
- (c) the Services are a follow-up of Services that may only be done efficiently and effectively by the Vendor that rendered the initial Services to JEA, provided the Procurement of the initial Services was competitive;
- (d) at the conclusion of a Pilot Project under Section 3-118 of this Code, the Procurement of Supplies or Services tested during the Pilot Project, provided the Vendor was competitively selected for the Pilot Project.

## **3-113 Emergency Procurements**

In the event of an Emergency, the Chief Procurement Officer may make or authorize an Emergency Procurement, provided that Emergency Procurements shall be made with as much competition as practicable under the circumstances. A written Determination of the basis for the Emergency and for the selection of the particular Vendor shall be included in the Procurement file.

For purposes of this Section 3-113, an "Emergency" means any one of the following:

- (a) a reasonably unforeseen breakdown in machinery;
- (b) an interruption in the delivery of an essential governmental service or the development of a circumstance causing a threatened curtailment, diminution, or termination of an essential service;
- (c) the development of a dangerous condition causing an immediate danger to the public health, safety, or welfare or other substantial loss to JEA;
- (d) an immediate danger of loss of public or private property;
- (e) the opportunity to secure significant financial gain, to avoid delays to any Governmental Entity or avoid significant financial loss through immediate or timely action; or (f) a valid public emergency certified by the Chief Executive Officer.

### **Please provide the following information:**

**1. Vendor Name:**

Valmont Newmark Inc.

---

**2. Description of Services or Supplies provided by Vendor:**

Spun Concrete Transmission poles for the Circuit 663 Rebuild of magnitude: 115-ft overall length, 1000 kip-ft ground line moment, 33-inch base diameter with taper of 0.216 inches/foot, or poles larger, to be manufactured and procured within the Continental United States from Valmont-Newmark.

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3. **Certification:**

I the undersigned certify that to the best of my knowledge, no JEA employee has, either directly or indirectly, a financial interest in this Single Source Emergency Procurement, and

I the undersigned certify that this procurement meets the requirements of a (choose one of the following):

**Single Source Procurement.** Please state which subsection of Section 3-112 above applies to this Single Source Procurement: (a) there is only one justifiable source for the required Supplies or Services \_\_\_\_\_

OR

**Emergency Procurement** - Please state which subsection of Section 3-113 above applies to this Emergency Procurement: \_\_\_\_\_

 Digitally signed by Kris Rosenhauer  
Date: 2021.10.12 16:34:51 -0400'  
\_\_\_\_\_  
**Signature of JEA Business Unit Manager**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Name of JEA Business Unit Manager**

**This certification shall be attached to the Purchase Order when it is routed for approval. A Single Source or Emergency Procurement shall be reported to the JEA Board in accordance with Section 1-110 of the JEA Procurement Code.**



# Standardization Request / Approval Form

To: Transmission Standards Committee

From: Sebastian Chmist

Date: 04/30/18

In accordance with the JEA Purchasing Code and the Operational Procedure, I hereby request the following item(s)/parts/goods/service or specifications be approved as a standard: (List applicable name, Component tag #, manufacturer, model #, stock or non-stock item, etc.)

**DESCRIPTION:** Spun Concrete poles of magnitude: 115-ft overall length, 1000 kip-ft ground line moment, 33-inch base diameter with taper of 0.216-inches/foot, or poles larger, to be manufactured and procured within the Continental United States from Valmont-Newmark.

### Justification for Standardization:

Please check all that apply:

- The item requested must be obtained from the Original Equipment Manufacturer due to the criticality of the item or compatibility with existing equipment currently in operation or use within the JEA system.
- The item requested is only available from one source.
- This item is the most cost effective means to safely maintain the highest level of system availability & reliability
- The item purchase lead time/delivery is critical for continuous system operation .
- The item is used in large numbers through out the JEA system.
- The item requested will provide documented long reliable service life at a lower life cycle cost.
- The item requested has better availability and delivery time, which is necessary for the particular application.
- Other (Please explain) \_\_\_\_\_

Attach calculations/justification or other documentation for all items checked. The above guidelines are to provide a general rational for the Standardization process but in no way shall they be interpreted as limiting either its provisions or applications. Each individual committee holds the ultimate authority in determining justification for each standardization item.

Standardization Committee Approval

Date

04/30/18

**Transmission Committee Meeting - April 26, 2018**  
**Agenda Item: Procurement of Large Spun Concrete Poles**

**To: Transmission Standards Committee,**

***Spun Concrete Pole Description:***

I request that JEA standardize spun concrete transmission poles that meet the following criteria:

- *Poles that have a ground line moment capacity in excess of 1,000 kip-feet*
- *Poles that are in excess of 115 feet in overall length*
- *Poles that require a taper of 0.216 inches/ foot*
- *Poles that require a base diameter of more than 33.125 inches*
- *Poles that are manufactured in the Continental United States*

In the past JEA used to bid out spun concrete transmission pole jobs to several companies, most recently to two (2) manufactures, Valmont-Newmark and Accord Industries. As of October 31<sup>st</sup> 2011, Accord Industries discontinued production of their spun concrete transmission poles. Since Accord Industries can no longer provide poles for JEA, Valmont-Newmark essentially now has a monopoly on the spun concrete transmission pole business that meets the criteria identified above.

Besides Valmont-Newmark, StressCrete Group is another company that manufactures spun concrete poles, however this manufacturer cannot meet the requirements for most of JEA's needs. Specifically, StressCrete Group cannot produce poles that have a ground line moment capacity in excess of 1,000 kip-feet, are longer than 115 feet, requires a 0.216 inch/foot taper, or have a base diameter greater than 33.125 inches.

Because poles that meet the criteria stated above can only be sourced form one source, Valmont-Newmark, JEA should standardize several pole property designs with the manufacturer to simplify the pole procurement process.

There are thousands of possible pole designs that would apply to JEA's transmission needs. It is not feasible to standardize every single pole design. Unlike distribution poles, Transmission poles are designed specifically for their application. There is no one size fits all. Every different pole framing has a different bolt hole pattern, embedment depth, and load requirements. However, even though we cannot standardize the thousands of different designs, we can standardize on several pole properties based on those designs.

Thank you,

*Sebastian Chmist*

Staff Engineer  
JEA Transmission Project Design, T-09  
Office: 904-665-7016  
Cell: 860-995-0075  
Email: [chmism@jea.com](mailto:chmism@jea.com)



# Formal Bid and Award System

Award #5 December 2, 2021

**Type of Award Request:** SINGLE SOURCE  
**Request #:** 6438  
**Requestor Name:** Tremble, Troy A. - Manager CRM Systems  
**Requestor Phone:** 904-665-5185  
**Project Title:** CGI Field Management System (FMS-CAD) Software Support Agreement  
**Project Number:** B0400  
**Project Location:** JEA  
**Funds:** O&M  
**Budget Estimate:** \$330,441.00 (Line 1696, BL08)

**Scope of Work:**

The CGI Field Management System (FMS-CAD) software support enables mapping technology for JEA field technicians. Technical assistance and application support from the CGI software vendor that provides field personnel required details associated with daily work assignments. The Computer Aided Dispatch (CAD) and the Outage Management System (OMS) are the main components of FMS that are tightly coupled with JEA’s customer support satisfaction. This application provides JEA the ability to schedule, assign, and dispatch field work, as well as a detail mapping application to provide location details. The FMS system is one of the most critical systems at JEA.

CGI support provides JEA the ability to open tickets for the support of the base products and provides 7x24x365 hotline support for all of the products used by JEA (CAD, OMS). Support provides JEA guidance on any proposed enhancements JEA needs related to the base products and interfaces with other systems. Support also provides patches and software updates for all of their products to stay current and ensures that all systems are providing what is needed to field personnel during storms.

**JEA IFB/RFP/State/City/GSA#:** N/A  
**Purchasing Agent:** Woyak, Nathan  
**Is this a ratification?:** NO  
**If yes, explain:** N/A

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
CGI TECHNOLOGIES AND SOLUTIONS INC.	MITCH JORDAN	Mitch.jordan@CGI.com	Jacksonville FL	(678) 234-4783	\$330,441.00

**Amount for entire term of Contract/PO:** \$330,441.00  
**Award Amount for remainder of this FY:** \$330,441.00  
**Length of Contract/PO Term:** One (1) Year

**Begin Date (mm/dd/yyyy):** 12/01/2021  
**End Date (mm/dd/yyyy):** 11/30/2022  
**Renewal Options:** NO  
**JSEB Requirement:** N/A – Single Source

**Background/Recommendations:**

JEA Awards Committee has approved the use of the CGI suite of products and support for over ten (10) years since 2010 on a proprietary/single source basis due to the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item or compatibility within a JEA utility system, and such Supplies or Services cannot be obtained from multiple sources such as distributors. The previous award is attached as backup.

This request is for a new one (1) year single source award to continue use of CGI Prima Software Support from 12/01/2021 to 11/30/2022 to maintain existing support. The terms and conditions of the current software support agreement will remain the same, however the cost has increased by 2.2% or \$7,113.00 based on the CCPI index through the new term ending 11/30/2022. This increase was accounted for in the FY22 budget.

JEA is only awarding this for one (1) year because JEA’s software versions have become very outdated, and CGI will be introducing a 25% yearly surcharge following this year. JEA will be doing a Request for Information (RFI), and then possibly a Request for Proposal (RFP), to explore if there are other potential products in the market.

Request approval to award a one (1) year contract to CGI Technologies and Solutions Inc. for CGI FMS CAD software support in the amount of \$330,441.00, subject to the availability of lawfully appropriated funds.

**Manager:** Tremble, Troy A. - Manager CRM Systems  
**Director:** Garcia, Jesus J. - Dir CRM Systems  
**VP:** Krol, Bradley D. - Chief Information Officer

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

---

**Budget Representative** **Date**



CGI  
1350 René-Lévesque Boulevard West  
15th Floor  
Montreal (Quebec) H3G 1T4 / Canada  
Tel. (514) 415-3000 | Fax (514) 415-3999

[cgi.com](http://cgi.com)

May 20, 2021

**BY EMAIL**

JEA  
21, West Church Street T13  
Jacksonville, Florida 32202  
USA

**Subject: Software Support Agreement (Prima 3-years) – Notice Letter 2021-2022**

To whom it may concern:

We would like to inform you that the upcoming renewal date of the current Prima Software Support Agreement (the “Agreement”) is December 1, 2021.

The terms and conditions of the current Software Support Agreement remain unchanged except as follows:

- The end date of the Release Support Period in Appendix C (Term/Specific Conditions) has been updated to December 1, 2022 to reflect next year’s renewal. This Appendix has been attached herewith.

*Annual CGI Support fees and HERE Usage fees*

The current support fees covering the support services for the year 2020-2021 for the existing CGI licenses and HERE Annual Usage fees amounted to \$323,328 USD.

The table below shows the annual fees for the period of December 1<sup>st</sup>, 2021 to November 30<sup>th</sup>, 2022 based on a Prima 3-year support plan.

<b>Description</b>	<b>One-Year Fees</b> December 1, 2021 to November 30, 2022
CGI Pragma Licenses Support	\$265,128
HERE Annual Usage fees	\$ <u>58,200</u>
<i>Sub-Total:</i>	\$323,328
Annual CCPI increase (March 2021 rate) at 2.2%:	\$ <u>7,113</u>
<b>TOTAL:</b>	<b>\$330,441</b>



The Appendix D herewith attached replaces the Appendix D of the Agreement.

Please indicate your acknowledgement of this Notice Letter by providing your signature in the designated space below.

Please ensure that the following statement *“JEA’s Purchase Order shall be governed by the terms and conditions of the Software Support Agreement between JEA and CGI dated December 1, 2010. Any terms and conditions contained in the Purchase Order shall be void and of no effect, even if signed by the party against which their enforcement is sought.”* appears on the Purchase Order.

Should you require additional information, please do not hesitate to contact us.

Sincerely,

Matthew Balog  
Vice-President, Consulting Services

CC: Nancy Rich, Vice-President, Business Development  
Martine Colle, Customer Service/Contract Support Coordinator

**JEA**

By: \_\_\_\_\_

Name:

Title:

Date:



## Appendix C

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### Term/Specific Conditions

The Effective Date of the Original Agreement is December 1, 2010, with a term of three years.

In 2013, the parties renewed this Agreement for one (1) additional year ending November 30, 2014.

In 2014, the parties renewed this Agreement for one (1) additional year ending November 30, 2015.

In 2015, the parties renewed this Agreement for three (3) additional years ending November 30, 2018 (Agreement Letter dated August 17, 2015).

In 2018, the parties renewed this Agreement for three (3) additional years ending November 30, 2021 (Agreement Letter dated November 23, 2018).

This Agreement is being renewed for one (1) more year.

The Release Support Period starts on the Effective Date and ends on December 1, 2022.



## Appendix D

### Summary of Support Fees

Customer agrees to pay the following annual support fees:

Description	Year 1 Fees December 1, 2021 to November 30, 2022
CGI Pragma Licenses Support	\$265,128
HERE Annual Usage fees	<u>\$ 58,200</u>
<i>Sub-Total:</i>	\$323,328
Annual CCPI increase (March 2021 rate) at 2.2%:	<u>\$ 7,113</u>
<b>TOTAL:</b>	<b>\$330,441</b>

Prices contained herein shall be increased yearly, starting on the Effective Date, on the basis of the Canadian Consumer Price Index (CCPI).

The CGI licenses and quantities covered under this support agreement are as follows:

CGI Licenses (up to 500,000 customers)	Qty
<b>Server licenses</b>	
PragmaUP	1
PragmaVIEWS	1
PragmaPROOF	1
PragmaWEB	1
PragmaCAD (with Auto-dispatch)	1
SkyVIEW	1
Fax Interface	1
Pager Interface	1
Alarm & Event Manager	1
PragmaROAD	1
Substation Studio	1
Scheduler / Work Optimization	1
Complex Order	1



Client licenses	
OMS I-Call	100
OMS Dispatchers	10
PragmaCAD dispatcher seats	34
PragmaGEO Dispatcher seats	34
Moblite	365
Moblite options	345
SkyVIEW (Graphical view client module option)	20
PragmaROAD	365
Mobile Supervisor (includes PragmaROAD)	15
PragmaFIELD	100

#### HERE Licenses Annual Usage Fees

The HERE licenses and quantities covered under this agreement are as follows:

HERE License Description	Qty
HERE licenses for PragmaWEB users- A minimum of 100 users <i>Note: This annual price offers an annual map upgrade</i>	1 block of 100
HERE licenses for 10 ROMS Dispatchers – Full time, as previously purchased <i>Note: This annual price offers an annual map upgrade</i>	10
HERE licenses for 365 MobLITE and 15 MobileSUPERVISOR as previously purchased and 100 new PragmaFIELD licenses. <i>Note: This annual price offers an annual map upgrade</i>	480



## Formal Bid and Award System

CPA 178803

Award #4 November 29, 2018

**Type of Award Request:** PROPRIETARY  
**Request #:** 6438  
**Requestor Name:** Robinette, Melissa Denise  
**Requestor Phone:** (904) 665-9749  
**Project Title:** CGI Field Management System (FMS-~~CAD~~) Software Support Agreement  
**Project Number:** 8002751  
**Project Location:** JEA  
**Funds:** O&M  
**Budget Estimate:** \$991,500.00

**Scope of Work:**

The CGI Field Management System (FMS-CAD) software support enables mapping technology for JEA field technicians. Assistance and application support from the CGI software provides field personnel what is needed to perform their daily jobs. The CAD and the Outage Management System (OMS), the main components of FMS, are critical to JEA's customer support satisfaction. This application provides JEA the ability to schedule, assign, and dispatch field work, as well as use a detail mapping application to provide location details. The FMS system is one of the most critical systems at JEA.

CGI support provides JEA the ability to open tickets for the support of the base products and provides 7x24x365 hotline support for all of the products used by JEA (CAD, OMS). Support provides JEA guidance on any proposed enhancements JEA needs to do related to the base products and interfaces with other systems. Support provides patches and software updates for all of their products to stay current and ensures that all systems are providing what is needed to field personnel during storms.

**JEA IFB/RFP/State/City/GSA#:** N/A  
**Purchasing Agent:** Woyak, Nathan  
**Is this a ratification?:** NO  
**If yes, explain:** N/A

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
CGI TECHNOLOGIES AND SOLUTIONS INC.	MITCH JORDAN	Mitch.jordan@CGI.com	Jacksonville FL	(678) 234-4783	\$969,984.00

**Amount for entire term of Contract/PO:** \$969,984.00  
**Award Amount for remainder of this FY:** \$296,384.00  
**Length of Contract/PO Term:** Three (3) Years

CPA 178803

**Begin Date (mm/dd/yyyy):** 12/01/2018  
**End Date (mm/dd/yyyy):** 11/30/2021  
**Renewal Options:** NO  
**JSEB Requirement:** N/A - Proprietary

**BIDDER:**

Name	Amount
CGI TECHNOLOGIES AND SOLUTIONS INC.	\$969,984.00

**Background/Recommendations:**

JEA has been using the CGI suite of products and awarding support for over ten (10) years. This request is for a new three (3) year proprietary award to extend the CGI Prima Software Support Agreement from 12/01/2018 to 11/30/2021 to maintain existing support. In 2015, JEA upgraded the CGI FMS CAD system from version 5.1 to version 6.5 and purchased new licenses for Scheduler, PragmaField, Complex Order, and Navteq which is included with this support. A copy of the agreement and previous award is attached as backup.

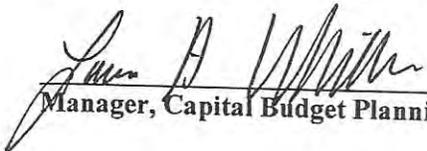
The terms and conditions and cost of the current software support agreement remain unchanged through the new term ending 11/30/2021. CGI has agreed to waive uplift fees in years two and three, in exchange for a three (3) year agreement in which support will still be paid on an annual basis of \$323,328.00 per year. JEA will realize \$21,496.00 in savings by agreeing to a longer term. JEA is under budget by \$21,516.00 total over three (3) years.

Request approval to award a three (3) year contract for CGI FMS CAD Software Support Agreement to CGI Technologies and Solutions Inc. in the amount of \$969,984.00, subject to the availability of lawfully appropriated funds.

**Manager:** Robinette, Melissa Denise – Robinette, Melissa Denise  
**Director:** Garcia, Jesus J. - Dir CRM Systems  
**VP:** Cosgrave, Paul – VP & Chief Information Officer

**APPROVALS:**

  
 Chairman, Awards Committee      11/29/18  
 \_\_\_\_\_ Date

  
 Manager, Capital Budget Planning      11/29/18  
 \_\_\_\_\_ Date



12/15/16 6

# Formal Bid and Award System

Award #6 December 15, 2016

**Type of Award Request:** CHANGE ORDER  
**Request #:** 1787  
**Requestor Name:** Benavides, Maria- Manager, Technology Project Management  
**Requestor Phone:** (904) 665-5185  
**Project Title:** CGS CAD Upgrade (Capital) FMS Support and Maintenance (O&M)  
**Project Number:** 8002751  
**Project Location:** JEA  
**Funds:** Capital  
**Award Estimate:** \$367,198.00

**Scope of Work:**

JEA is in the process of upgrading the CGI Field Management CAD system (FMS-CAD) from version 5.1 to version 6.5, as well as, purchasing new licensees for Scheduler, PragmaField, Complex Order and Navteq HERE. JEA also needs the assistance of CGI to implement the new version of the CAD application, and the configuration of the new products. CGI is the only vendor that can provide these licenses and services. This award also includes three (3) years of Annual Support Fees from 2015-2018.

**Requisition Number:**

**JEA IFB/RFP/State/City/GSA#:** CPA 147517

**Purchasing Agent:** Woyak, Nathan J

**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
CGI TECHNOLOGIES AND SOLUTIONS INC	Martine Colle	martine.colle@cgi.com	1350 Rene-Levesque Blvd W, 15th Floor, Montreal H3G 1T4	(514) 228-8888	\$367,198.00

**Amount of Original Award:** \$1,587,632.00  
**Date of Original Award:** 08/27/2015  
**Change Order Amount:** \$367,198.00  
**New Not-To-Exceed Amount:** \$1,954,930.00  
**Length of Contract/PO Term:** Three (3) Years w/No Renewals  
**Begin Date (mm/dd/yyyy):** 08/27/2015  
**End Date (mm/dd/yyyy):** 11/30/2018 (Support 12/1/15-11/30/18)  
**Renewal Options:** NO  
**JSEB Requirement:** N/A-Proprietary

**Background/Recommendations:**

In August 2015, a Proprietary award was approved for the CGS CAD Upgrade and FMS support and maintenance by Awards Committee in the amount of \$1,587,632.00. The original award is attached as back-up. Unplanned scope for the upgrade has since been added to the contract totaling \$367,198.00 to include additional professional services from CGI.

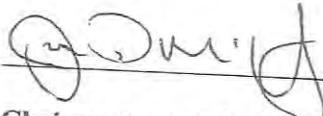
These additional services included a CGI resource to replace the JEA dedicated staff member assigned to the project for 1,560 additional hours at \$168.75/hour and \$30,000.00 for additional travel expense in accordance with JEA travel policy. The total cost of the additional professional services was \$263,250.00. Additionally, CGI Professional services were required to develop the code to make the PragmaCAD application compatible with LDAP. The cost of the additional professional services is \$55,000.00. Lastly, JEA needed to disable the old job types no longer be used, while maintaining archived data associated with these old job types. In order to accomplish this JEA needed to engage CGI for additional professional services to ensure success. The cost of the additional professional services is \$18,948.00. All three change order documents are attached as back-up which support the award total of \$367,198.00.

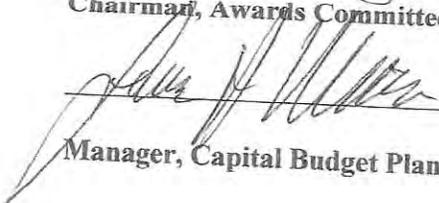
This request is to increase the total award amount to cover the funds spent on the additional scope of work to allow JEA to continue to utilize the original support services through the end of the term. All project work is expected to be complete by March of 2017, while the support on this award will continue through 11/30/18.

Request approval to award change order to CGI Technologies and Solutions, Inc. for an additional professional services in the amount of \$367,198.00 for a new not to exceed amount of \$1,954,930.00 subject to the availability of lawfully appropriated funds.

**Director:** Edgar, Cindy L. - Director, IT Project Management Services  
**VP:** Cosgrave, Paul J. - Interim Chief Information Officer

**APPROVALS:**

  
\_\_\_\_\_  
Chairman, Awards Committee  
Date 12-15-16

  
\_\_\_\_\_  
Manager, Capital Budget Planning  
Date 12/15/16



CGI  
1350 René-Lévesque Boulevard West  
15th Floor  
Montreal (Quebec) H3G 1T4 / Canada  
Tel. (514) 415-3000 | Fax (514) 415-3999

cgi.com

November 23, 2018

REVISED, Replaces letter dated November 19, 2018

**BY EMAIL**

JEA  
21, West Church Street T13  
Jacksonville, Florida 32202  
USA

**Subject: Software Support Agreement (Prima 3-years) – Notice Letter 2018-2021**

To whom it may concern:

We would like to inform you that the upcoming renewal date of the current Prima Software Support Agreement (the "Agreement") is December 1, 2018.

The terms and conditions of the current Software Support Agreement remain unchanged except as follows:

- The end date of the Release Support Period in Appendix C (Term/Specific Conditions) has been updated to December 1, 2021 to reflect the next three years renewals. This Appendix has been attached in the accompanying email.

*Annual CGI Support fees and HERE Usage fees*

The current support fees covering the support services for the year 2017-2018 for the existing CGI licenses and HERE Annual Usage fees amounted to \$323,328 USD.

The table below shows the annual fees for the period of December 1<sup>st</sup>, 2018 to November 30<sup>th</sup>, 2021 based on a Prima 3-year support plan.

Description	Year 1 Fees	Year 2 Fees	Year 3 Fees
	December 1, 2018 to November 30, 2019	December 1, 2019 to November 30, 2020	December 1, 2020 to November 30, 2021
CGI Pragma Licenses Support	\$265,128	\$270,961	\$276,922
HERE Annual Usage fees	\$ 58,200	\$ 59,480	\$ 60,789
<b>TOTAL:</b>	<b>\$323,328</b>	<b>\$330,441*</b>	<b>\$337,711*</b>

\*Includes the annual Canadian Consumer Price Index (CCPI) increase based on the September 2018 rate.



CGI shall waive the application of the CCPI, contingent on JEA agreeing to a 3-year term. This represents savings of ~~\$1,500~~, thus the yearly fee for the 3-year term is fixed at \$323,328.

\$21,516.00

The Appendix D herewith attached replaces the Appendix D of the Agreement.

CGI's policy and procedures require that Customers acknowledge by signature the renewal notice associated with the current Software Support Agreement in the designated space below.

Please ensure that the terms and conditions of JEA's Purchase Order shall be governed by the Software Support Agreement effective December 1, 2010.

Should you require additional information, please do not hesitate to contact us.

Sincerely,

Matthew Balog  
Vice-President, Consulting Services

CC: Craig Naha, Director, Consulting Delivery  
Martine Colle, Customer Service/Contract Support Coordinator

JEA

By: \_\_\_\_\_

Name:

Title:

Date:



## Appendix C

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### Term/Specific Conditions

The Effective Date of the Original Agreement is December 1, 2010, with a term of three years.

In 2013, the parties renewed this Agreement for one (1) additional year ending November 30, 2014.

In 2014, the parties renewed this Agreement for one (1) additional year ending November 30, 2015.

In 2015, the parties renewed this Agreement for three (3) additional years ending November 30, 2018 (Agreement Letter dated August 17, 2015).

This Agreement is being renewed for three (3) more years.

The Release Support Period starts on the Effective Date and ends on December 1, 2021.



## Appendix D

### Summary of Support Fees

Customer agrees to pay the following annual support fees:

Description	Year 1 Fees December 1, 2018 to November 30, 2019	Year 2 Fees December 1, 2019 to November 30, 2020	Year 3 Fees December 1, 2020 to November 30, 2021
CGI Pragma Licenses Support	\$265,128	\$270,961	\$276,922
HERE Annual Usage fees	\$ 58,200	\$ 59,480	\$ 60,789
<b>TOTAL:</b>	<b>\$323,328</b>	<b>\$330,441*</b>	<b>\$337,711*</b>

\*Includes the annual CCPI increase based on the September 2018 rate.

Prices contained herein shall be increased yearly, starting on the first anniversary of the Effective Date, on the basis of the Canadian Consumer Price Index (CCPI).

CGI shall waive the application of the CCPI, contingent on JEA agreeing to a 3-year term. This represents savings of \$14,383, thus the yearly fee for the 3-year term is fixed at \$323,328.

The CGI licenses and quantities covered under this support agreement are attached with the accompanying email.



### HERE Licenses Annual Usage Fees

The HERE licenses and quantities covered under this agreement are as follows:

HERE License Description	Qty
HERE licenses for PragmaWEB users- A minimum of 100 users <i>Note: This annual price offers a quarterly map upgrade</i>	1 block of 100
HERE licenses for 10 ROMS Dispatchers – Full time, as previously purchased <i>Note: This annual price offers a quarterly map upgrade</i>	10
HERE licenses for 365 MobLITE and 15 MobileSUPERVISOR as previously purchased and 100 new PragmaFIELD licenses. <i>Note: This annual price offers a quarterly map upgrade</i>	480

***Certification of Standard, Proprietary or  
Original Equipment Manufacturer Item  
For Purchase Requisition No. \_\_\_\_\_***

**3-112 Procurement of Standard, Proprietary and Original Equipment  
Manufacturer Items.**

A contract may be awarded for Supplies or Services with limited or no competition when the  
Supplies or Services:

- (a) have been selected as a JEA standard in the course of a standards program or through the  
action of a standards committee (standard); or
- (b) must be a certain type, brand, make or manufacture (proprietary); or
- (c) must be obtained from the original equipment manufacturer , manufacturer's  
representative or a distributor authorized by the original equipment manufacturer because  
of the criticality of the item or compatibility within the JEA system (original equipment  
manufacturer).

**Category**

The procurement item is (check the appropriate description):

\_\_\_\_\_ Standard       Proprietary      \_\_\_\_\_ Original Equipment Manufacturer

**Certification**

I the undersigned certify that the specific supplies, services or construction described in the above  
referenced purchase requisition are the only such supplies, services or construction that will fulfill the  
intended need for the following reasons: **The worked described on SOW attached can only be  
performed by CGI since they are the vendor that owns the application code for all of the components  
for both FMS CAD and OMS**

 JOSE D. GARCIA 5645  
Signature of appointed employee initiating the purchase request

11/26/18

Date

**This Certification shall be attached the purchase requisition when routed for approval.  
Approval of the purchase requisition shall constitute affirmation of this Certification.**

## *Certification of Single Source or Emergency Procurement*

Please use this form to certify a Single Source or Emergency Procurement complies with the requirements of the JEA Procurement Code. The JEA Procurement Code defines a Single Source and Emergency Procurement as follows:

### **3-112 Single Source**

A Contract may be awarded for Supplies or Services as a Single Source when, pursuant to the Operational Procedures, the Chief Procurement Officer determines that:

- (a) there is only one justifiable source for the required Supplies or Services;
- (b) the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item or compatibility within a JEA utility system, and such Supplies or Services may not be obtained from multiple sources such as distributors;
- (c) the Services are a follow-up of Services that may only be done efficiently and effectively by the Vendor that rendered the initial Services to JEA, provided the Procurement of the initial Services was competitive;
- (d) at the conclusion of a Pilot Project under Section 3-118 of this Code, the Procurement of Supplies or Services tested during the Pilot Project, provided the Vendor was competitively selected for the Pilot Project.

### **3-113 Emergency Procurements**

In the event of an Emergency, the Chief Procurement Officer may make or authorize an Emergency Procurement, provided that Emergency Procurements shall be made with as much competition as practicable under the circumstances. A written Determination of the basis for the Emergency and for the selection of the particular Vendor shall be included in the Procurement file.

For purposes of this Section 3-113, an "Emergency" means any one of the following:

- (a) a reasonably unforeseen breakdown in machinery;
- (b) an interruption in the delivery of an essential governmental service or the development of a circumstance causing a threatened curtailment, diminution, or termination of an essential service;
- (c) the development of a dangerous condition causing an immediate danger to the public health, safety, or welfare or other substantial loss to JEA;
- (d) an immediate danger of loss of public or private property;
- (e) the opportunity to secure significant financial gain, to avoid delays to any Governmental Entity or avoid significant financial loss through immediate or timely action; or (f) a valid public emergency certified by the Chief Executive Officer.

#### **Please provide the following information:**

**1. Vendor Name:**

CGI

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**2. Description of Services or Supplies provided by Vendor:**

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Annual Support and Maintenance Renewal for period Dec 1, 2021 through Nov 30, 2022

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3. **Certification:**

I the undersigned certify that to the best of my knowledge, no JEA employee has, either directly or indirectly, a financial interest in this Single Source Emergency Procurement, and

I the undersigned certify that this procurement meets the requirements of a (choose one of the following):

**Single Source Procurement.** Please state which subsection of Section 3-112 above applies to this Single Source Procurement: \_\_\_\_\_  
It the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item compatibility within a JEA utility system, and such Supplies or Services may not be obtained

OR

**Emergency Procurement** - Please state which subsection of Section 3-113 above applies to this Emergency Procurement: \_\_\_\_\_

  
\_\_\_\_\_  
Signature of JEA Business Unit Manager

11/22/2021

\_\_\_\_\_  
Date

Troy Tremble

\_\_\_\_\_  
Name of JEA Business Unit Manager

This certification shall be attached to the Purchase Order when it is routed for approval. A Single Source or Emergency Procurement shall be reported to the JEA Board in accordance with Section 1-110 of the JEA Procurement Code.



# Formal Bid and Award System

Award #6 December 2, 2021

**Type of Award Request:** BID (IFB)  
**Requestor Name:** Rinehart, Jason – Electrical Systems Engineer  
**Requestor Phone:** 904-665-7380  
**Project Title:** 69kV Circuit 649 Underground Ductbank & Circuit  
**Project Number:** 8006892  
**Project Location:** JEA  
**Funds:** Capital  
**Award Estimate:** \$1,496,985.00

**Scope of Work:**

The purpose of this solicitation is to construct a 0.24 mile 69kV underground duct-bank and transmission circuit from a riser pole located at 8371 Hare Avenue to the Oakwood Villa Substation.

The Contractor shall supply all material to complete the work, including any cable, splices, terminations, conduit, and manholes. The Contractor shall also construct a duct-bank consisting of four (4) - 6” and one (1) 2” duct by way of HDD and open trenching. The Contractor shall pull the specified cable, make up terminations, splices and jumpers and commission the cable system. Planned completion is August 2022.

The reason for the replacement is due to circuits using the underground 69KV EPR transmission cable being well past that service life expectancy. JEA installed underground 69KV transmission cable into substations; 10 circuits serving 8 substations, between 1974 and 1978. The underground cable was utilized to alleviate overhead infrastructure congestion within the substation and surrounding neighborhoods. All cable was installed, direct bury in the ROW requiring 48-inches of minimum ground cover and a non-reinforced concrete cap for protection. Road crossings used conduit or steel casing systems. The cable used was a solid dielectric 1500 or 2000MCM EPR (ethylene-propylene rubber insulation) cable. Cable and splicing technology at the time had a service life expectancy of 25-35 years. Within our system, all circuits using the underground 69KV EPR transmission cable is well past that service life expectancy and is (or will be) in need of replacement soon. The Oakwood Villa Circuit 649 was installed in 1978 and has experienced 2 cable failures.

**JEA IFB/RFP/State/City/GSA#:** 1410436446  
**Purchasing Agent:** Lovgren, Rodney D.  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
MARMON UTILITY LLC	Ian Stangle	istangle@marmonutility.com	49 Day Street Seymour, CT 06483	203-881-5307	\$2,083,777.30

**Amount for entire term of Contract/PO:** \$2,083,777.30  
**Award Amount for remainder of this FY:** \$2,083,777.30 (All spend in FY22)  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 10/30/2021 (Project Start)  
**End Date (mm/dd/yyyy):** Project Completion - 09/30/2022 planned completion

**JSEB Requirement:**

Goal – 5%

Melsuela Industrial Solution – Electrical  
Supplies - 5%

**BIDDER:**

Name	Amount
MARMON UTILITY LLC	\$2,083,777.30
MICHELS POWER INC.	\$2,565,411.82
WA CHESTER	\$2,917,530.00

**Background/Recommendations:**

Advertised 10/06/2021. Four (4) companies attended the optional pre-bid meeting on 10/12/2021. A site visit was held on 10/13/2021. At bid opening on 11/09/2021, JEA received three (3) Bids. Marmon Utility LLC is the lowest priced responsible and responsive bid. A copy of the Bid Form is attached as back up.

The award amount, less the 10% SWA, is approximately 26.5% above the budget estimate. The portion of the Bid price in the amount of \$438,000.00, is for 2000 KCM (which is higher than on previous projects (currently \$94.20/ft. vs. \$54 – 86 / ft. for other projects and inventory). The subcontractor duct bank installation is subcontracted at 44% of the bid price and has also increased vs. previous projects. Given the current market conditions and materials cost increases on cables, duct bank material and other materials, pricing is deemed reasonable. The award amount includes a 10% SWA. The remaining capital project funds will be returned after project completion.

1410436446 – Request approval to award a contract to Marmon Utility LLC for the Circuit 649 circuit replacement services in the amount of \$2,083,777.30, subject to the availability of lawfully appropriated funds.

**Manager:** Hamilton, Darrell D. - Mgr Transmission and Substation Projects

**Director:** Acs, Gabor - Sr Dir Engineering & Projects

**VP:** Erixton, Ricky D. - VP Electric Systems

**APPROVALS:**


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**Chairman, Awards Committee**

**Date**

---

**Budget Representative**

**Date**

### Addendum 2 - Schedule of Values

Scope	#	ITEM DESCRIPTION	UOM	Quantity	Unit Price	Extended Price
Mob / Demob / Bond	1	1.1 MOBILIZATION	Lump Sum	1	\$ 25,958.00	\$ 25,958.00
	2	1.2 DEMOBILIZATION	Lump Sum	1	\$ 25,958.00	\$ 25,958.00
	3	1.3 BID BOND	Lump Sum	1	\$ 21,429.00	\$ 21,429.00
Site Preparation	4	2.1 SURVEYING - LAYOUT PROPOSED BORE PATH	Lump Sum	1	\$ 9,429.00	\$ 9,429.00
	5	2.2 SURVEYING - STAKE PROPOSED MANHOLE LOCATION AND EXTENTS OF EXCAVATION	Lump Sum	1	\$ 3,771.00	\$ 3,771.00
	6	2.2 SURVEYING - STAKE BOUNDARIES OF BOTH COJ AND SCHOOL EASEMENTS	Lump Sum	1	\$ 5,657.00	\$ 5,657.00
Transmission Structures, Cable and Ductbank Installation/ removal	7	3.1 TRANSPORTATION OF JEA PLATING MATERIALS TO JOB SITE	Lump Sum	1	\$ 8,717.00	\$ 8,717.00
	8	3.2 RETURN UNUSED JEA MATERIALS AND RECYCLE UNWANTED SCRAP	Lump Sum	1	\$ 8,717.00	\$ 8,717.00
	9	3.3 RECEIVE, UNLOAD AND SET MANHOLE	Lump Sum	1	\$ 159,944.00	\$ 159,944.00
	10	3.4 INSTALLATION OF GROUND RODS	Lump Sum	1	\$ 3,487.00	\$ 3,487.00
	11	3.5 HORIZONTAL DIRECTIONAL DRILL OF (4) 6" AND (1) 2" CONDUITS	Lump Sum	1	\$ 269,754.00	\$ 269,754.00
	12	3.6 TRENCH INSTALLATION OF (4) 6" AND (1) 2" CONDUITS	Lump Sum	1	\$ 137,061.00	\$ 137,061.00
	13	3.7 DEMOLITION OF EXISTING CONCRETE CAP AND CABLE	Lump Sum	1	\$ 65,381.00	\$ 65,381.00
	14	3.8 MATERIAL COST OF 2000KCM CABLE PLUS SHIPPING TO SITE	Lump Sum	4650	\$ 94.20	\$ 438,030.00
	15	3.9 INSTALLATION OF 2000KCM CABLE AND GROUND CONTINUITY CABLE	Lump Sum	1	\$ 287,095.00	\$ 287,095.00
	16	3.10 BUILD OUT MANHOLE AND INSTALL SPLICES	Lump Sum	1	\$ 76,000.00	\$ 76,000.00
	17	3.11 FRAME POLE RISER INCLUDING INSTALLATION TERMINATORS AND ARRESTORS	Lump Sum	1	\$ 77,970.00	\$ 77,970.00
	18	3.12 FRAME SUBSTATION INCLUDING INSTALLATION TERMINATORS AND ARRESTORS	Lump Sum	1	\$ 56,429.00	\$ 56,429.00
	19	3.13 BUILD JUMPERS	Lump Sum	1	\$ 16,854.00	\$ 16,854.00
	20	3.14 PROVIDE AND INSTALL CABLE GUARD	Lump Sum	1	\$ 17,144.00	\$ 17,144.00
21	3.16 DEWATERING	Lump Sum	1	\$ 26,152.00	\$ 26,152.00	
22	3.16 CABLE VLF TESTING	Lump Sum	1	\$ 35,714.00	\$ 35,714.00	
Miscellaneous	23	4.1 RESTORATION	Lump Sum	1	\$ 81,688.00	\$ 81,688.00
	24	4.2 AS-BUILT DRAWINGS	Lump Sum	1	\$ 11,623.00	\$ 11,623.00
	25	4.3 SILT FENCE, EROSION AND SEDIMENT CONTROL ASSEMBLY, INSTALLATION, AND REMOVAL	Lump Sum	1		\$ -
	26	4.4 ADDITIONAL GROUND RODS (FOR EACH ADDITIONAL GROUND ROD, REQUIRED OVER THE BASE SCOPE OF FOUR (4))	Per Rod	6	\$ 189.00	\$ 1,134.00
	27	5.6 MOT TO BE USED FOR ALL MAINTENANCE OF TRAFFIC	Lump Sum	1	\$ 23,247.00	\$ 23,247.00
<b>Subtotal Line 1 - 54 Above</b>						<b>\$ 1,894,343.00</b>
<b>SWA (10% of Subtotal)</b>						<b>\$ 189,434.30</b>
<b>Total Bid Price (Enter this amount on line 1 of the Bid Form)</b>						<b>\$ 2,083,777.30</b>

Appendix B - Bid Forms  
1410436446 69kV Circuit 649 underground Ductbank & conductor Project

Submit the Response an electronic pdf in accordance with the procedures in the solicitation

Company Name: Marmon Utility LLC

Company's Address: 49 Day Street Seymour, CT 06483

License Number: Subcontractor's License # ECA000909- C&C Powerline, Inc.

Phone Number: 203-881-5307 FAX No: 203-881-5384 Email Address: istangle@marmonutility.com

<b><u>BID SECURITY REQUIREMENTS</u></b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Certified Check or Bond Five Percent (5%)	<b><u>TERM OF CONTRACT</u></b> <input type="checkbox"/> One Time Purchase <input type="checkbox"/> Term - Five (5) Years w/Two (2) – 1Yr Renewals <input checked="" type="checkbox"/> Other, Specify - Project Completion
--	--

<b><u>SAMPLE REQUIREMENTS</u></b> <input checked="" type="checkbox"/> None required <input type="checkbox"/> Samples required prior to Bid Opening <input type="checkbox"/> Samples may be required subsequent to Bid Opening	<b><u>SECTION 255.05, FLORIDA STATUTES CONTRACT BOND</u></b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Bond required 100% of Bid Award
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<b><u>QUANTITIES</u></b> <input type="checkbox"/> Quantities indicated are exacting <input checked="" type="checkbox"/> Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.	<b><u>INSURANCE REQUIREMENTS</u></b>  <p style="text-align: center;"><b>Insurance required</b></p>
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**PAYMENT DISCOUNTS**  
 1% 20, net 30  
 2% 10, net 30  
 Other \_\_\_\_\_  
 None Offered

Item No.	ENTER YOUR BID FOR THE FOLLOWING DESCRIBED ARTICLES OR SERVICES:	TOTAL BID PRICE
1	<b>Subtotal for work in Solicitation 69kV Circuit 649 underground Ductbank &amp; conductor Project</b>	\$ <u>1,894,343.00</u>
2	<b>Supplemental Work Authorization (10% of Line 1)</b>	\$ <u>189,434.30</u>
3	<b>Total Bid Price (Sum of Lines 1 &amp; 2)</b>	\$ <u>2,083,777.30</u>

I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

**BIDDER CERTIFICATION**

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation.

We have received addenda	<u>Ken Woo</u>	11/8/2021
	Handwritten Signature of Authorized Officer of Company or Agent	Date
1 through 6	<b>Ken Woo, Vice President Marmon Utility</b>	
	Printed Name and Title	



IN WITNESS WHEREOF, the said Principal and the said Surety have duly executed this bond the 27th day of October, 2021.

ATTEST:

*Sherryl Gamsky*  
Signature  
SHERYL GAMSBY  
Type/Print Name

*Michael Ouellette*  
Signature  
Michael Ouellette  
Type/Print Name

Signed, Sealed and Delivered  
in the Presence of:

*Samantha Chierici*  
Signature  
Samantha Chierici, Witness  
Type/Print Name

*Corinne Chapman*  
Signature  
Corinne Chapman, witness  
Type/Print Name

Marmon Utility LLC  
(Principal Company Name)

*Michael O'Shea*  
Signature  
MICHAEL O'SHEA  
Type/Print Name

CONTROLLER  
Title  
**AS PRINCIPAL**



Liberty Mutual Insurance Company  
(Surety Company Name)

*Christina L. Sandoval*  
Signature  
Christina L. Sandoval  
Type/Print Name

Attorney-in-Fact  
Title  
**AS SURETY**



Name of Agent: Aon Risk Services Central, Inc.

Address: 200 East Randolph

Chicago, IL 60601

Countersigned:

By *Claudette Alexander Hunt*  
Resident Agent Claudette Alexander Hunt  
State of Florida

Name of Firm: Aon Risk Services of Florida

Address: 1001 Brickell Bay Drive, Suite 1100

Miami, FL 33131

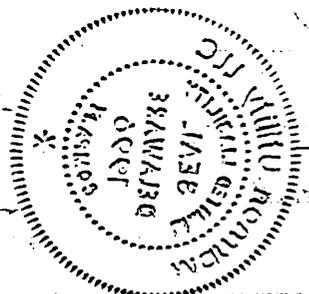
Form Approved:

Assistant General Counsel

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of the said County at the City of New York, this 1st day of January, 1900.

1900

ATTEST



County Clerk  
County of New York  
City of New York

Notary Public  
County of New York  
City of New York

Signed, Sealed and Delivered  
in the Presence of



County Clerk  
County of New York  
City of New York

Notary Public  
County of New York  
City of New York

Witness my hand and the seal of the said County at the City of New York, this 1st day of January, 1900.

Notary Public  
County of New York  
City of New York

Attest

Notary Public  
County of New York  
City of New York



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8205928-285057

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Christina L. Sandoval; Diane M. O'Leary; James B. McTaggart; Jennifer L. Jakaitis; Jessica B. Dempsey; Judith A. Lucky-Eftimov; Kristin L. Hannigan; Roger Paraison; Samantha Chierici; Sandra M. Nowak; Sandra M. Winsted; Susan A. Welsh

all of the city of Chicago state of IL each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 9th day of July, 2021



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: [Signature]
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 9th day of July, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: [Signature]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

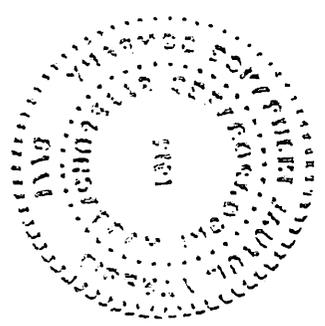
I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 27th day of October, 2021



By: [Signature]
Renee C. Llewellyn, Assistant Secretary

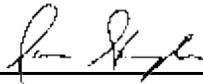
For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.



**LIST OF JSEB SUBCONTRACTORS**

The following JSEB Subcontractors will be utilized in fulfilling the terms and conditions of a Project Authorization arising from award of JEA <sup>Solicitation</sup> ~~1410436446~~. I (We) the undersigned understand that failure to submit said information will result in bid rejection. I (We) will employ the JSEB Subcontractors specified below: (Use additional sheets as necessary)

Class of Work (Category) Dollar Amount	Name of JSEB Contractor (Indicate below)	Percentage of Total Job or
280 Electrical Cable 285 Electrical Equipment & Supplies 345-00 First Aid & Safety Equip. & Supplies \$	Melsuela Industrial Solutions 2045 N. Liberty St. Jacksonville, FL 32206	5%

Signed:  \_\_\_\_\_

Company: Marmon Utility LLC

Address: 49 Day Street Seymour, CT 06483

Date: 11/08/2021

Note: This list shall not be modified subsequent to bid opening without a showing of good cause and the written consent of the JEA.

Marmon Utility LLC- Kerite Cable Services- Circuit 649 Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Feb '22	Mar 27, '22	Apr 3, '22	Apr 10, '22	Apr 17, '22	Apr 24, '22	May 1, '22	May 8, '22	May 15, '22	May 22, '22	May 29, '22	Jun 5, '22	Jun 12, '22	Jun 19, '22	Jun 26, '22	Jul 3, '22	Jul 10, '22	Jul 17, '22	Jul 24, '22	Jul 31, '22	
1		Acquire long lead material	10 wks	Wed 3/23/22	Tue 5/31/22																							
2		<b>Mobilize &amp; Inventory Materials</b>	7 days	Tue 5/31/22	Tue 6/7/22																							
3		Survey Baselines and Locates	5 days	Tue 5/31/22	Sat 6/4/22																							
4		Pickup Clearance on Circ 649	1 day	Tue 6/7/22	Tue 6/7/22																							
5		<b>Excavation, Boring, and Conduit</b>	31 days	Tue 6/7/22	Tue 7/12/22	4FS-1 day,1																						
6		HDD from Manhole towards Substation, terminate bore at Station 85.31	5 days	Tue 6/7/22	Sat 6/11/22																							
7		Tie Bore pit into Sub Rack	3 days	Mon 6/13/22	Wed 6/15/22	6																						
8		Open trench and install 12'R 45 degree and 5'R 90 degree elbows from Station 85.31 back to substation"	3 days	Mon 6/13/22	Wed 6/15/22																							
9		HDD from Manhole towards bore pit at Station 7+71.59	3 days	Mon 6/13/22	Wed 6/15/22	6																						
10		HDD from bore pit towards Riser, terminate at Station 11+25.25	3 days	Thu 6/16/22	Sat 6/18/22	9																						
11		<b>Manhole</b>	7 days	Sat 6/18/22	Sat 6/25/22																							
12		Receive, set Manhole	7 days	Sat 6/18/22	Sat 6/25/22	10FS-1 day																						
13		Tie Bore Pipe into Manhole	3 days	Tue 6/21/22	Thu 6/23/22	12FS-5 days																						
14		Complete bore-to-bore joints at bore pit.	2 days	Mon 6/27/22	Tue 6/28/22	11																						
15		<b>Tie Bore Pipe into Riser Pole</b>	8 days	Wed 6/29/22	Thu 7/7/22	14																						
16		Open trench and install 12'R 90 degree and 5'R 90 degree elbows from Station 11+25.25 back to riser pole	8 days	Wed 6/29/22	Thu 7/7/22																							
17		Demo cable at substation and riser location	5 days	Tue 6/7/22	Sat 6/11/22																							
18		Proof Conduit	2 days	Mon 7/11/22	Tue 7/12/22	15FS+2 days																						
19		<b>Cable</b>	20 days	Tue 7/12/22	Wed 8/3/22	18FS-1 day																						
20		Pull 2000kcm CU Cable	5 days	Tue 7/12/22	Sat 7/16/22	16																						
21		Install Cable up Riser Pole	1 day	Mon 7/18/22	Mon 7/18/22	20																						
22		Install splices, terminations, link boxes, SVLs, and all cable accessories	11 days	Tue 7/19/22	Sat 7/30/22	21																						
23		Run VLF test	3 days	Mon 8/1/22	Wed 8/3/22	22																						
24		Restoration	8 days	Tue 7/26/22	Wed 8/3/22	22FS-5 days																						

Project: JEA 649  
Date: Mon 11/8/21

Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Manual Progress
Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	
Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Progress	

**MINIMUM QUALIFICATIONS**

**THE MINIMUM QUALIFICATIONS SHALL BE SUBMITTED ON THIS FORM. IN ORDER TO BE CONSIDERED A QUALIFIED BIDDER BY JEA YOU MUST MEET THE MINIMUM QUALIFICATIONS LISTED BELOW, AND BE ABLE TO PROVIDE ALL THE SERVICES LISTED IN THIS SOLICITATION.**

**THE BIDDER MUST COMPLETE THE BIDDER INFORMATION SECTION BELOW AND PROVIDE ANY OTHER INFORMATION OR REFERENCE REQUESTED. THE BIDDER MUST ALSO PROVIDE ANY ATTACHMENTS REQUESTED WITH THIS MINIMUM QUALIFICATIONS FORM. BIDDER SHALL SUBMIT AN ELECTRONIC COPY IN ACCORDANCE WITH THE SOLICITATION REQUIREMENTS**

**BIDDER INFORMATION**

COMPANY NAME: Marmon Utility LLC – Kerite Cable Services

BUSINESS ADDRESS: 49 Day Street

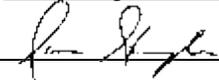
CITY, STATE, ZIP CODE: Seymour, CT 06483

TELEPHONE: 203-888-2591 or 203-881-5307

FAX: 203-881-5384

E-MAIL: istangle@marmonutility.com

PRINT NAME OF AUTHORIZED REPRESENTATIVE: Ian Stangle

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

NAME AND TITLE OF AUTHORIZED REPRESENTATIVE: Operations Manager – Kerite Cable Services

- o The Bidder shall have successfully completed, as the Prime Contractor, three (3) similar project within the last five (5) years, date ending the Bid Due Date. A similar project is defined as an installation of a 69kV ductbank and cable system with a minimum of a \$1,000,000 value and at least 50% of the project shall have been self-performed.
  
- o The Bidder or their Subcontractor that will perform the installation will be required to have an Electrical Contractors License issued by the State of Florida.

Appendix B - Bid Forms  
1410436446 69kV Circuit 649 underground Ductbank & conductor Project

Reference \_\_1\_\_ of \_\_4\_\_

Reference Name Jason Rinehart - JEA

Reference Phone Number 904-665-7380

Reference E-Mail Address rineja@jea.com

Contract Duration/Amount 2 months \$1,700,000

Description of Project Solicitation 1410256648 for the reconductor construction of 69kV Herlong

Underground Circuit 692. Project scope featured the turkey installation of a new 69kV circuit utilizing  
2000kcmil copper Kerite cable. Installation include:

•Removal of existing 69kV Cable

•Excavation for duct banks and manhole installation

•Conduit tie-ins between duct banks, manhole, and riser poles

•Cable pulls through conduit, splices made using TE Raychem splices, and terminations using 3M 69kV

•terminations

•VLF Cable testing successfully performed at completion of installation

Appendix B - Bid Forms  
1410436446 69kV Circuit 649 underground Ductbank & conductor Project

Reference   2   of   4  

Reference Name   Jason A. Rinehart - JEA  

Reference Phone Number   904-625-5974  

Reference E-Mail Address   rineja@jea.com  

Contract Duration/Amount   7 months     \$2,857,000  

Description of Project   Solicitation 047-20 Construction for the 69kV Circuit 679 Underground  

  Reconductor Installation and construction of new manholes, ductbank and cable system to carry a new  

  69kV circuit utilizing Kerite 2000kcmil copper cable. Installation included performance of civil and  

  electrical construction needed to install the duct bank and cable system from Lane Avenue Substation  

  to the riser pole on Ellis Road.  

  Contractor provided all manholes, conduit, cable, and cable accessories to furnish the complete system.

Appendix B - Bid Forms  
1410436446 69kV Circuit 649 underground Ductbank & conductor Project

Reference   3   of   4  

Reference Name   Joe McClellan – Project Manager  

Reference Phone Number   704-249-9930  

Reference E-Mail Address   Joseph.McClellan@duke-energy.com  

Project Value   \$1,330,000  

Primary Nature of Service Provided   Turnkey 69kV Cable Installation  

Location   Marshall Steam Station – Sherills Ford, NC  

Customer   Duke Energy  

Description of Project

- Procurement of Kerite 69kV Cable
- Perform excavation and civil construction to install approximately 900 ft of concrete encased duct bank. 6-6” conduits are to be installed
- Perform cable pulls with use of Dynameter to adhere within the cable’s maximum allowable tension.
- Procurement and Installation of 8-G&W P9286 - 69 kV polymer outdoor in air terminations
- Procurement and Installation of 1-Three phase non-submersible (Shield grounding) Link Box with 3kV SVL’s on one side of the circuit.
- Procurement and Installation of 1-Three phase non-submersible (Shield grounding) Link Box with short links.
- Procurement and Installation of Faulted Circuit Indicators (FCI’s) on each grounding lead connecting the shield to the link boxes.
- Procurement and Installation of 1- Single Phase non-submersible (Shield grounding) Link Box with short links. And 1 with 3kV SVL’s
- Procurement and Installation of Turnbuckles and grips and/or cable clamps as required at each termination riser structure. (Termination structure & foundations provided and installed by others)
- Procurement and Installation of 250 kcmil insulated CU 600V cable for connection of cable shield to link box.
- Installation of Cable bonding including connections from cable shield to link boxes
- 10.0 kV DC jacket test for five (5) minutes, completed before terminations are installed
- DC Hi-Pot Test at 240kV DC upon completion of system (top of terminal to top of terminal)
- One (5) year installation warranty Du8226•Lifetime “Kerite” cable warranty

Appendix B - Bid Forms  
1410436446 69kV Circuit 649 underground Ductbank & conductor Project

Reference   4   of   4  

Reference Name   Kyle Sorenson – Project Manager  

Reference Phone Number   307-272-1938  

Reference E-Mail Address   kyles@mwec.com  

Contract Duration/Amount   5 months     \$5,000,000  

Location   Williston Airport – Williston, ND  

Customer   Mountrail Williams Electric Cooperative  

Description of Project   Marmon Utility LLC- Kerite Cable Services was the prime contractor for this turnkey installation that involved:  

- The installation of 4000' of concrete encased duct bank with eight 6" conduits and two 2" conduits
- Supply and Installation of two 55 ton manholes for power cable splicing
- Supply and Installation of two foundations and two 75' transmission dead-end structures
- Manufacture supply and Installation of approximately 24,000' of 1000kcmil Kerite EPR115kV underground transmission cable.
- Pulled cable into duct bank and up dead end structures to termination stands.
- Supply and Installation of 12 G&W PAT140 outdoor in air terminations and 6 G&W PMJ 140 Joints
- Supply and Installation of engineered shield grounding system with link boxes.
- Perform final acceptance testing and commissioning
- All cable pull tensions and engineering calculations were performed

**CONSTRUCTION AND DEMOLITION DEBRIS DISPOSAL**  
(See Subsection \_\_\_\_ - Instructions to Bidders)

Construction and demolition debris at the worksite will be disposed of at See attached \_\_\_\_\_;

Disposal will be at permitted construction and demolition sites \_\_\_\_\_

This location is subject to Certificate of Necessity No. see attached \_\_\_\_\_, and is designated by

Public Works Department Permit No. see attached \_\_\_\_\_.

**C AND C POWER LINE, INC.**  
Marmon Utility LLC- Kerite Cable Services

  
\_\_\_\_\_  
(Signature)

Operations Manager- MU-KCS  
\_\_\_\_\_  
(Title)

**PERMITTED CONSTRUCTION AND DEMOLITION (C&D) DEBRIS'  
DISPOSAL SITES**

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**Coastal Recycling Services, LLC**

**Facility Address: 11011 Blasius Road, Jacksonville, FL 32226**

**Permit # 98399      CON # 2011-375-E, 2009-845-E**

*For information, contact Robert Malouin at (904) 400-6491*

**Old Kings Road, LLC**

**Facility Address: 8540 Old Kings Road, Jacksonville, FL 32219**

**Permit # 90661      CON # 2009-843-E**

*For information, call (904) 768-5363*

**Realco Recycling Co., Inc. / Krush Krete**

**Facility Address: 8707 Somers Road, Jacksonville, FL 32226**

**Permit # 34068      CON # 2009-844-E**

**Note: This facility oversees two plants**

*For information, contact Jean Baker at (904) 757-7311*

**Trail Ridge Landfill, Inc. (COJ)**

**Facility Address: 5110 U.S. Highway 301, Baldwin, FL 32234**

**Permit # 33268      CON # 1991-895**

**Note: This facility also accepts Class I Waste**

*For information, call (904) 289-9100*

**Whitehouse Recycling**

**Facility Address: 10419 General Avenue, Jacksonville, FL 32220**

**Permit # 99283      CON # 2010-897-E**

***For information, contact Raymond Pace at (904) 503-1410***

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**! " ...discarded materials generally considered to be not water-soluble and nonhazardous in nature, including, but not limited to, steel, glass, brick, concrete, asphalt roofing material, pipe, gypsum wallboard, and lumber, from the construction or destruction of a structure as part of a construction or demolition project or from the renovation of a structure, and includes rocks, soils, tree remains, trees, and other vegetative matter that normally results from land clearing or land development operations for a construction project, including such debris from construction of structures at a site remote from the construction or demolition project site. Mixing of construction and demolition debris with other types of solid waste will cause the resulting mixture to be classified as other than construction and demolition debris..." For more information, refer to Florida Statute 403.703.**

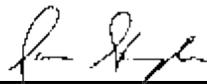
**LIST OF SUBCONTRACTORS**

JEA Solicitation Number 1410436446 requires certain major Subcontractors be listed on this form, unless the work will be self-performed by the Company.

The undersigned understands that failure to submit the required Subcontractor information on this form will result in bid rejection, and the Company agrees to employ the Subcontractors specified below: (Use additional sheets as necessary)

Note: This list of Subcontractors shall not be modified subsequent to bid opening, without a showing of good cause and the written consent of JEA.

Type of Work	Corporate Name of Subcontractor	Subcontractor Primary Contact Person & Telephone Number	Subcontractor's License Number (if applicable)	Percentage of Work or Dollar Amount
Installation of duct bank, HDD & Manhole, cable pull	C&C Powerline Inc.	Rick Sprenger (904)-751-6020	ECA000909	44%
VLF Cable Testing	Advanced Testing Systems	Jeff Thompson (203)743-2001		1%

Signed:  - Ian Stangle

Company: Marmon Utility LLC

Address: 49 Day Street Seymour, CT 06483

Date: 11/08/2021



# Formal Bid and Award System

Award #7 December 2, 2021

**Type of Award Request:** CONTRACT INCREASE  
**Requestor Name:** Rouse, Nathaniel - Mgr Sewer Operation & Maintenance  
**Requestor Phone:** 904-665-8183  
**Project Title:** Emergency Waste Water Cleanup Services  
**Project Number:** Various  
**Project Location:** JEA  
**Funds:** Capital and O&M  
**Budget Estimate:** \$240,000.00

**Scope of Work:**

Periodically JEA has the need for outside contract resources to provide wastewater (sewage) cleanup services. When required, biosolids, sand, sewage, debris, grit and/or grease shall be removed from various JEA-owned wastewater system structures and pipe break locations such as, but not limited to: pump stations, manholes, wet wells, roadways, excavation sites, etc.

**JEA IFB/RFP/State/City/GSA#:** 063-18  
**Purchasing Agent:** Kruck, Daniel  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
WIND RIVER ENVIRONMENTAL, LLC (d.b.a. METRO ROOTER)	Cindy Flowers	cflowers@wrenvironmental.com	8892 Normandy Blvd. Jacksonville FL 32221	(904) 695-1911	\$240,000.00

**Amount of Original Award:** \$885,000.00  
**Date of Original Award:** 04/19/2018  
**Change Order Amount:** \$240,000.00

**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
173928	\$88,500.00	10/05/2021

**New Not to Exceed Amount:** \$1,213,500.00  
**Length of Contract/PO Term:** Five (5) Years w/ One (1) – 1 Yr. Renewal  
**Begin Date:** 04/25/2018  
**End Date:** 04/24/2023  
**Renewal Options:** One (1) – 1 Yr. Renewal  
**JSEB Requirement:** N/A - Optional

**Background/Recommendations:**

Originally approved by Awards Committee on 04/19/2018 in the amount of \$885,000.00 to Metro Rooter. A copy of the original award is attached as backup. An administrative increase of \$88,500.00 was approved on 10/05/2021 to allow work to continue under the contract until a contract increase could be completed. It should be noted there was an error in the original award document. The original award stated the contract was for a three (3) year term, however, it should have stated a five (5) year term in keeping with the solicitation documents. This error was corrected in the contract in the 10/05/2021 administrative amendment, and is being corrected on this document.

This request is to increase the contract with Metro Rooter for emergency waste water cleanup services. Metro Rooter has been performing well, and JEA needs to increase the funds available to finish out the five year term of the contract. JEA is adding the budgeted amount for these services, which is \$240,000.00 through the contract term.

Request approval to increase the contract with Wind River Environmental, LLC (d.b.a. Metro Rooter) for Emergency Waste Water Cleanup Services in the amount of \$240,000.00, for a new not-to-exceed amount of \$1,213,500.00 subject to the availability of lawfully appropriated funds.

**Director:** Scheel, Jackie B. - Dir W/WW Reuse Delivery & Collection  
**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**

Approved by the JEA Awards Committee  
 Date 04/19/18 Item # 3



## Formal Bid and Award System

Award #3      April 19, 2018

**Type of Award Request:** PROPOSAL (RFP)  
**Request #:** 4119  
**Requestor Name:** Scheel, Jackie B. - Director, W/WW System Operations  
**Requestor Phone:** (904) 665-8473  
**Project Title:** Emergency Waste Water Cleanup Services  
**Project Number:** Various Capital, HW30602, HW30606  
**Project Location:** JEA  
**Funds:** Capital and O&M  
**Award Estimate:** N/A

**Scope of Work:**

Periodically JEA has the need for outside contract resources to provide wastewater (sewage) cleanup services. When required, biosolids, sand, sewage, debris, grit and/or grease shall be removed from various JEA-owned wastewater system structures and pipe break locations such as, but not limited to: pump stations, manholes, wet wells, roadways, excavation sites, etc.

**JEA IFB/RFP/State/City/GSA#:** 063-18  
**Purchasing Agent:** Lovgren, Rodney Dennis  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
METRO ROOTER	Cindy Flowers	cindy@metrorooter.com	8892 Normandy Blvd. Jacksonville FL 32221	(904) 695-1911	\$885,000.00

**Amount for entire term of Contract/PO:** \$885,000.00  
**Award Amount for remainder of this FY:** \$100,000.00  
**Length of Contract/PO Term:** Three (3) Years w/One (1) – 1 Yr. Renewal  
**Begin Date (mm/dd/yyyy):** 04/23/2018  
**End Date (mm/dd/yyyy):** 04/22/2021  
**Renewal Options:** YES – One (1) – 1 Yr. Renewal  
**JSEB Requirement:** N/A - Optional

**BIDDER:**

Name	Amount (5 years)	Amount (3 years)	Rank
METRO ROOTER	\$1,811,250.00	\$1,086,750.00	1

Advertised 02/27/2018. One (1) company attended the optional pre-response meeting on 03/06/2018. Due to low attendance, JEA contacted the other Companies that were invited to bid and encouraged

participation. At bid opening on 03/20/2018, JEA received one (1) Response. Due to the low participation Procurement reached out to several vendors that currently work with JEA or have in the past performing this type of work. The following factors contributed to the low competition:

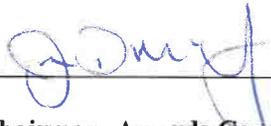
- Equipment requirements (type and quantity)
- Response times requirements
- JEA does not pay call out minimums for work, which some suppliers require. JEA pays hourly standby fees when the Company is idled per JEA request, and kept on the job.
- The inconsistent and sporadic nature of this work does not provide a lot of opportunity and thus few companies have shown interest in bidding this type of service.

Proposal was reviewed by Procurement and the business and was deemed responsive and responsible. Metro Rooter is the incumbent and their bid price is the same as the current contracted pricing, which was bid out informally in 2016. This contract had been advertised as a five (5) year contract, but due to limited competition, will be awarded as a three (3) year contract with an optional one (1) year renewal. The award amount has been adjusted to reflect the reduced term and budgetary amount.

063-18 – Request approval to award a three (3) year contract to Metro Rooter to provide wastewater (sewage) cleanup services in the amount of \$885,000.00, subject to the availability of lawfully appropriated funds.

**Director:** Jones, Michael L. - Director, W/WW Reuse Delivery & Collection  
**VP:** Roche, Brian J. - VP/GM Water Wastewater Systems

**APPROVALS:**

  
\_\_\_\_\_ 4-19-18  
**Chairman, Awards Committee** **Date**

  
\_\_\_\_\_ 4/19/18  
**Manager, Capital Budget Planning** **Date**



# Formal Bid and Award System

Award #8 December 2, 2021

**Type of Award Request:** INVITATION FOR BID (IFB)  
**Requestor Name:** Jessica Keeler  
**Requestor Phone:** (904)665-6403  
**Project Title:** Water and Waste Water Items for JEA Inventory Stock and Capital Projects  
**Project Number:** Various  
**Project Location:** JEA  
**Funds:** Inventory Blanket Account  
**Budget Estimate:** \$6,162,826.87 (Inventory Items)  
 \$906,763.86 (Capital Projects)

**Scope of Work:**

The purpose of this Invitation for Bid (IFB) is to solicit pricing for one thousand three hundred and fifty one (1351) Water and Waste Water Items for JEA Inventory Stock and two hundred, and seventy nine (279) Water and Waste Water Items for Capital Projects. The primary use of these items is to support the Water and Wastewater operations of JEA.

During the last 12 months, the commodity spend for these items was \$4,786,128.87. At the time of the bid release, the inventory balance for the items found in this solicitation was \$1,386,468.93 with the average current lead time of 14-112 days depending on the item and three (3) items having a lead time of nine (9) months in Inventory and three (3) items having a lead time of twenty four (24) months in capital projects.

**JEA IFB/RFP/State/City/GSA#:** 1410440646-21  
**Purchasing Agent:** Eddie Bayouth  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S) INVENTORY STOCK:**

Name	Vendor Contact	Email	Address	Phone	Amount
FERGUSON WATERWORKS	Robert Pinkston	<a href="mailto:rob.pinkston@ferguson.com">rob.pinkston@ferguson.com</a>	9692 Florida Mining Blvd. W, Jacksonville FL 32257	904-386-3277	\$5,981,268.52
FORTILINE, INC.	Blake Velz	<a href="mailto:blakevelz@fortiline.com">blakevelz@fortiline.com</a>	6982 Highway Ave. Jacksonville, FL 32254	904-349-9020	\$1,569,449.15

**Amount for entire term of Contract/PO:** \$7,550,717.67  
**Award Amount for remainder of this FY:** \$5,663,038.25  
**Length of Contract/PO Term:** One (1) Year  
**Begin Date (mm/dd/yyyy):** 01/03/2022  
**End Date (mm/dd/yyyy):** 01/02/2023  
**Renewal Options:** N/A  
**JSEB Requirement:** N/A – Optional

## BIDDERS:

Name	Number of Items Bid	Bid Value
FERGUSON WATERWORKS	1630	\$7,166,832.37
FORTILINE, INC.	395	\$2,692,840.29
CORE & MAIN	1184	Disqualified

### Background/Recommendations:

This solicitation was advertised on 10/18/2021. There was a mandatory pre-response meeting for this solicitation. Representatives from Core & Main, Ferguson, Fortiline, Empire and RZ Service Group attended the event. At Response opening on 11/16/2021, JEA received three (3) Responses.

Core & Main's bid was disqualified based on the bid was contingent on JEA agreeing to materials changes to the Terms and Conditions that were not afforded to all prospective respondents. In particular, Core and Main required price adjustments at any time in the contract, which contradict JEA's solicitation language that Contract prices will remain firm fixed for the duration of the contract. It should be noted that JEA requested feedback from prospective respondents regarding alternative pricing methodology during the pre-bid meeting and in Addendum 1 of this solicitation, where respondents were asked to clarify alternate bid forms that they wanted JEA to consider. JEA did not receive any replies from the respondents before the bid was due, and only Core & Main requested a change in their bid.

In order to leverage JEA's spend for Water and Wastewater Items included in JEA Inventory, the internal team identified one thousand three hundred fifty one (1351) items deemed a good fit to be included in this initiative. During the last 12 months, most of these items were purchased through blanket purchase agreements. To compartmentalize JEA's requirements, the bid was created in two separate parts, with each separate part having its own basis of award; these two parts represent one for general inventory and one for capital projects

The evaluation criteria for the general inventory portion of the bid was that the total lowest cost provider for each respective item would win, as long as the minimum qualifications were met and they quoted the correct JEA approved manufacturer and manufacturer part number. JEA evaluated the companies on price only, and the companies in the Recommended Awardees Table above are deemed to be the lowest responsive and responsible respondents for all one thousand three hundred fifty one (1351) items.

JEA also identified a subset of these items, two hundred seventy nine (279) items in particular, to be used in capital projects. To facilitate the ordering and receipt of these items, as well as the need to ensure the items arrived at project sites at the same time and from one vendor, this portion of the solicitation was separated with its own basis of award, in order to be awarded to only one vendor. The evaluation criteria for this portion was that the bidder with the lowest price for the entire lot would win, as long as the minimum qualifications were met and they quoted the correct JEA approved manufacturer and manufacturer part number. A copy of the Bid Analysis Workbook is attached as backup.

JEA also believes it is in the best interest of the company to have backup suppliers for the Water and Wastewater Inventory items, with the next highest ranked due to market conditions. This decision is

based on risk reduction by awarding across multiple suppliers which shapes JEA's ability to efficiently and effectively operate. Ferguson Waterworks is willing to be a back up to the Fortiline, Inc. award, so JEA has included fifteen percent (15%), or \$191,997.84, of the estimated usage for items found on Fortiline's Water and Wastewater proposed award, and included it in Ferguson's new award total in the amount of \$5,981,268.52. Fortiline, Inc. is willing to be a back up to the Ferguson Waterworks award, so JEA has included five percent (5%), or \$289,463.53, of the estimated usage for items found on Ferguson Waterworks proposed award, and included it in Fortiline's new award total in the amount of \$1,569,449.15.

Even with the aggregations of items and competitive bidding, JEA will realize an estimated cost increases via unit price increase totaling \$ 2,211,617.86 or forty one percent (41%). The price increases impacted almost all items, with only seventy (70) of one thousand three hundred fifty one (1351) items having decreased in price since the FY21 solicitation. The most notable increase were in PVC items which saw an average increase in price of over 120% from last year due to resin pricing and ductile iron which saw an average increase of over 90% from last year due to raw material pricing. We have foreseen these cost concerns throughout the year, we are largely just catching up to the market after favorable contracting.

Despite increases, JEA believes securing these items under contract will be advantageous long term from a cost and supply standpoint. JEA ensured there was competition for the included items, improved the procurement process, and reduced overall supply chain risk by being able to secure fixed pricing for the term of the contract for the items being awarded. By awarding to multiple vendors, JEA ensured they are getting the best price for each item. Separating the Capital Project items and awarding to only one vendor will increase efficiencies by reducing the complexity of ordering items and of receiving the items at the project site, having one vendor delivering all items directly to the project site.

Procurement tracks two different types of savings. The total cost difference is comparing the current pricing with the proposed pricing (+/-). The total sourcing savings is determined by value added savings. Below is the result for this award:

Total cost difference: \$2,211,617.86 (unit price increase) = (2,211,617.86) (Inventory Items)  
Total sourcing savings: There were no total sourcing savings on this solicitation.

1410440646-21– Request approval to award contracts to FERGUSON WATERWORKS (\$5,981,268.52) and FORTILINE, INC. (\$1,569,449.15) for Water and Wastewater inventory items carried in JEA's inventory stock and for Capital Project Items for a total amount of \$7,550,717.67 subject to the availability of lawfully appropriated funds.

**Manager:** Kenny Pearson – Procurement Category Manager  
**Director:** Jenny McCollum – Director, Procurement Services  
**VP:** Alan McElroy – VP Supply Chain & Operations Support

**APPROVALS:**

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<b>Chairman, Awards Committee</b>	<b>Date</b>
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**Budget Representative**

**Date**



Item ID	Description	Material	Unit	QTY	Unit Price	Total Price	Lead Time	Notes	Estimate	Actual	Estimate Price	Actual Price	Estimate Qty	Actual Qty	Estimate %	Actual %			
BDMEES00	SILT SCREEN - 3' X 100' ROLLS, BLACK COLOR, ROLLS TO BE STAGED EVERY 10 FT. WITH 4 STAKES. MUST COMPLY TO CURRENT DOT STANDARDS. (**1 EACH = 1 ROLL**)	ACF	Roll	10	15.6	\$156.00	21 days		0	Each	10	\$ -	\$ -	0	0	0	156.00	21.00	13.46%
BDMPF071	TAPE, ALUMINUM FOIL, DUCT TAPE, 7-4 MILS THICK OVERLAP WITH 2-MIL DEAD SOFT ALUMINUM FOIL. PERMANENT HIGH TACK ADHESIVE, 2" WIDTH, 50 FT ROLL. GRAINGER #2W500	W W GRAINGER 2W500	Each	21	45	\$945.00	21 days		0	Each	21	\$ -	\$ -	0	0	0	945.00	572.25	60.56%
BDMPF134	TAPE, SURVEYING ORANGE FLUORESCENT 1 3/16" X 50 YDS, TAFFETA GRADE. PREVENTER BACKFLOW REDUCED PRESSURE TYPE 1", TWO INDEPENDENT CHECK VALVES WITH INTERMEDIATE RELIEF VALVE, BRONZE FULL PORT BALL VALVE SHUT-OFFS TO BE RESILIENT SEATED, 1/4 TURN BALL VALVES.	PRESCO TROG WATTS REGULATOR L909-QT	Each	1728	1.15	\$1,987.20	21 days	144	0	Each	1728	\$ -	\$ -	0	0	0	1,987.20	572.25	13.04%
BFPAA020	PREVENTER BACKFLOW 2", REDUCED PRESSURE TYPE WITH BALL VALVE, BALL VALVE TO BE RESILIENT SEATING IN KEEPING WITH CITY OF JACKSONVILLE SPECIFICATIONS.	WATTS REGULATOR L909-QT	Each	1	1100.55	\$1,100.55	21 days		0	Each	1	\$ -	\$ -	0	0	0	1,100.55	215.55	19.59%
BFPAA050	PREVENTER BACKFLOW 2", REDUCED PRESSURE TYPE WITH BALL VALVE, BALL VALVE TO BE RESILIENT SEATING IN KEEPING WITH CITY OF JACKSONVILLE SPECIFICATIONS.	WILKINS 975-XL2	Each	46	473.25	\$21,769.50	21 days		0	Each	46	\$ 459.56	\$ 21,139.76	56.72	N/A	0	18,790.00	4,349.76	20.58%
BOLIA101	BOLT, U 1/4" DIAMETER X 1-3/4" L X 1" WIDE, PLATED FT15 1/2" DIAMETER PIPE ALL SCHEDULES	FNW	Each	12	2.65	\$31.80	21 days		0	Each	12	\$ -	\$ -	0	0	0	31.80	9.00	28.30%
BOLIA136	BOLT, U 1/4" DIAMETER X 3-1/4" L X 2" WIDE, PLATED FT15 1/2" DIAMETER PIPE ALL SCHEDULES	FNW	Each	100	3.75	\$375.00	21 days		0	Each	100	\$ -	\$ -	0	0	0	375.00	110.00	29.33%
CHLGG204	3/8" - 1/8" COPPER TUBING, KIT INCLUDES 25 FT. OF FDA APPROVED 1/4" O.D. NON-TOXIC POLYETHYLENE TUBING (120 PSI MIN. SELF-TIGHTENING SADDLE VALVE, WIPER WASHER AND COMPRESSION SLEEVE, TWO BRASS INS	BARNETT BRASS 157294 JOHNSTONE SUPPLY B-80516 JOHNSTONE SUPPLY PT25 PROFLO PPMK25PA	Each	240	6.6	\$1,584.00	21 days		0	Each	240	\$ -	\$ -	0	0	0	1,584.00	144.00	9.09%
CLPAA020	CLAMP, 6", CLAMP MUST HAVE TWO BOLT HOLES ON EACH END. CLAMPS TO BE SUPPLIED WITH 3/16" BOLTS AND NUTS. NOTE: CLAMPS ARE TO BE ASSEMBLED OR PACKAGED.	National Hanger	Each	2	58	\$116.00	21 days		0	Each	2	\$ -	\$ -	0	0	0	116.00	-	0.00%
CLPAA030	CLAMP, STELLAR, 6", CLAMP MUST HAVE TWO BOLT HOLES ON EACH END. CLAMPS TO BE SUPPLIED WITH 3/16" BOLTS AND NUTS. NOTE: CLAMPS ARE TO BE ASSEMBLED OR PACKAGED.	National Hanger	Each	3	105	\$315.00	21 days		0	Each	3	\$ -	\$ -	0	0	0	315.00	-	0.00%
CLPAA050	CLAMP, STELLAR, 12" CLAMP MUST HAVE TWO BOLT HOLES ON EACH END. CLAMPS TO BE SUPPLIED WITH 1/2" BOLTS AND NUTS. NOTE: CLAMPS ARE TO BE ASSEMBLED OR PACKAGED.	National Hanger	Each	2	195	\$390.00	21 days		0	Each	2	\$ -	\$ -	0	0	0	390.00	-	0.00%
CLPAA070	CLAMP, STELLAR, 16" CLAMP MUST HAVE TWO BOLT HOLES ON EACH END. CLAMPS TO BE SUPPLIED WITH 5/16" BOLTS AND NUTS. NOTE: CLAMPS ARE TO BE ASSEMBLED OR PACKAGED.	National Hanger	Each	1	300	\$300.00	21 days		0	Each	1	\$ -	\$ -	0	0	0	300.00	-	0.00%
CLPBB010	CLAMP, BELL JOINT LEAK, 4"	SMITH-BLAIR INC. 274-0480-000	Each	2	145.65	\$291.30	28 days		0	Each	1	\$ -	\$ -	0	0	0	145.65	-	0.00%
CLPBB020	CLAMP, BELL JOINT LEAK, 6"	SMITH-BLAIR INC. 274-0000690-000	Each	3	155.00	\$465.00	28 days		0	Each	3	\$ 145.90	\$ 437.97	56.72	N/A	0	187.46	95.84	33.83%
CLPBB030	CLAMP, BELL JOINT LEAK, 8"	SMITH-BLAIR INC. 274-0000990-000	Each	6	215.53	\$1,293.18	28 days		0	Each	6	\$ 201.74	\$ 1,210.44	56.72	N/A	0	1,009.80	209.64	17.32%
CLPBB040	CLAMP, BELL JOINT LEAK, 10"	SMITH-BLAIR INC. 274-0000110-000	Each	1	270.84	\$270.84	28 days		0	Each	1	\$ 253.48	\$ 253.48	56.72	N/A	0	253.48	46.28	18.36%
CLPBB050	CLAMP, BELL JOINT LEAK, 12"	SMITH-BLAIR INC. 274-0000120-000	Each	2	292.91	\$585.82	28 days		0	Each	2	\$ 274.27	\$ 548.54	56.72	N/A	0	464.10	82.44	15.36%
CLPBB070	CLAMP, BELL JOINT LEAK, 16"	MUELLER H770 SMITH-BLAIR INC. 274-0000170-000	Each	2	457.41	\$914.82	28 days		0	Each	2	\$ 428.11	\$ 856.26	56.72	N/A	0	734.66	131.60	15.37%
CLPBB090	CLAMP, BELL JOINT LEAK, 24"	SMITH-BLAIR INC. 274-2580-000	Each	1	840.63	\$840.63	28 days		0	Each	1	\$ -	\$ -	0	0	0	840.63	174.72	20.78%
CLPBB239	CLAMP, FULL CIRCLE, 3/4" - FULL CIRCUMFERENCE BUNA GASKET WITH RECESSED ARMOUR PLATES, STAINLESS STEEL BAND, DUCTILE LU GS. 1.05 O.D. X 6" LENGTH, OR EQUAL.	JCM 111-0105-6 SMITH-BLAIR INC. 244-00010506-000	Each	55	30.38	\$1,670.90	28 days		0	Each	55	\$ 29.25	\$ 1,609.30	56.72	N/A	0	1,617.00	(7.70)	-0.48%
CLPBB257	CLAMP, FULL CIRCLE, 1" - FULL CIRCUMFERENCE GASKET WITH RECESSED ARMOUR PLATES, STAINLESS STEEL BAND, DUCTILE LUGS, 1.32 O.D. X 6" LENGTH, OR EQUAL.	JCM 111-0132-6 SMITH-BLAIR INC. 244-00013206-000	Each	45	32.13	\$1,445.85	28 days		0	Each	45	\$ 30.95	\$ 1,392.75	56.72	N/A	0	1,297.35	95.40	6.85%
CLPBB270	CLAMP, FULL CIRCLE, 1-1/4" - FULL CIRCUMFERENCE GASKET WITH RECESSED ARMOUR PLATES, STAINLESS STEEL BAND, DUCTILE LUGS, 1.66 O.D. X 6" LENGTH, OR EQUAL.	JCM 111-0166-6 SMITH-BLAIR INC. 244-00016600-000	Each	30	33.06	\$991.80	28 days		0	Each	30	\$ 31.84	\$ 955.20	56.72	N/A	0	869.40	85.80	8.98%
CLPBB294	CLAMP, FULL CIRCLE, 1-1/2" - FULL CIRCUMFERENCE GASKET WITH RECESSED ARMOUR PLATES, STAINLESS STEEL BAND, DUCTILE LUGS, 1.90 O.D. X 6" LENGTH.	JCM 111-0190-6 SMITH-BLAIR INC. 244-00019000-000	Each	30	33.28	\$998.40	28 days		0	Each	30	\$ 32.05	\$ 961.50	56.72	N/A	0	858.90	102.60	10.67%
CLPBB313	CLAMP, FULL CIRCLE, 2" - FULL CIRCUMFERENCE BUNA GASKET WITH RECESSED ARMOUR PLATES, STAINLESS STEEL BAND, DUCTILE LUGS, 2.38 O.D. X 6" LENGTH, OR EQUAL.	JCM 111-0238-6 SMITH-BLAIR INC. 244-00023800-000	Each	60	34.37	\$2,062.20	28 days		0	Each	60	\$ 33.11	\$ 1,986.60	56.72	N/A	0	1,780.80	205.80	10.36%
CLPCC100	CLAMP, FULL CIRCLE, 2-3/8 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-263-7.5 SMITH-BLAIR INC. 226-023807-000	Each	255	53.86	\$13,734.30	28 days		0	Each	255	\$ 58.95	\$ 15,022.25	56.72	N/A	0	8,282.40	5,451.90	39.70%
CLPCC200	CLAMP, FULL CIRCLE, 2-7/8 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-300-7.5 SMITH-BLAIR INC. 226-027507-000	Each	40	58.49	\$2,339.60	28 days		0	Each	40	\$ 64.02	\$ 2,560.80	56.72	N/A	0	1,930.40	989.20	42.28%
CLPCC300	CLAMP, FULL CIRCLE, 2-9/8 X 3 X 7-1/2" SMITH-BLAIR, FORDLEX, OR EQUAL (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-325-7.5 SMITH-BLAIR INC. 226-030007-000	Each	15	62.48	\$937.20	28 days		0	Each	15	\$ 68.39	\$ 1,025.85	56.72	N/A	0	557.25	379.95	40.54%
CLPCC400	CLAMP, FULL CIRCLE, 2-11/8 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-370-7.5 SMITH-BLAIR INC. 226-035507-000	Each	25	63.99	\$1,599.75	28 days		0	Each	25	\$ 70.04	\$ 1,751.00	56.72	N/A	0	949.00	650.75	40.68%
CLPCC500	CLAMP, FULL CIRCLE, 2-13/8 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-400-7.5 SMITH-BLAIR INC. 226-037507-000	Each	15	65.55	\$983.25	28 days		0	Each	15	\$ 71.75	\$ 1,076.25	56.72	N/A	0	569.40	413.85	42.09%
CLPCC600	CLAMP, FULL CIRCLE, 2-3/4 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-425-7.5 SMITH-BLAIR INC. 226-040007-000	Each	30	67.9	\$2,037.00	28 days		0	Each	30	\$ 74.33	\$ 2,229.90	56.72	N/A	0	1,205.70	831.30	40.81%
CLPCC700	CLAMP, FULL CIRCLE, 2-11/4 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-475-7.5 SMITH-BLAIR INC. 226-045007-000	Each	27	70.28	\$1,897.56	28 days		0	Each	27	\$ 76.98	\$ 2,077.11	56.72	N/A	0	1,086.15	812.43	42.81%
CLPCC800	CLAMP, FULL CIRCLE, 2-13/4 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-475-7.5 SMITH-BLAIR INC. 226-048007-000	Each	40	71.75	\$2,870.00	28 days		0	Each	40	\$ 79.63	\$ 3,185.20	56.72	N/A	0	1,740.00	1,130.00	39.37%
CLPCC850	CLAMP, FULL CIRCLE, 2-11/2 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-514-7.5 SMITH-BLAIR INC. 226-048015-000	Each	35	143.81	\$5,033.35	28 days		0	Each	35	\$ 157.42	\$ 5,509.70	56.72	N/A	0	2,743.65	2,289.70	45.49%
CLPCC900	CLAMP, FULL CIRCLE, 2-11/4 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-535-7.5 SMITH-BLAIR INC. 226-050007-000	Each	27	73.52	\$1,985.04	28 days		0	Each	27	\$ 80.47	\$ 2,172.69	56.72	N/A	0	1,175.04	810.00	40.81%
CLPCC950	CLAMP, FULL CIRCLE, 2-11/4 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-562 X 7.5 SMITH-BLAIR INC. 226-052507-000	Each	50	159.56	\$7,978.00	28 days		0	Each	50	\$ 158.86	\$ 7,943.00	56.72	N/A	0	4,721.50	3,226.50	40.60%
CLPDD000	CLAMP, FULL CIRCLE, 2-11/4 X 3 X 7-1/2" (NOTE: ALL 7-1/2" CLAMPS MUST HAVE 3 BOLTS MINIMUM)	FORDFLEX F1-562 X 7.5 SMITH-BLAIR INC. 226-052507-000	Each	9	74.45	\$670.05	28 days		0	Each	9	\$ 81.49	\$ 733.41	56.72	N/A	0	379.54	291.51	43.51%









FTGAT220	BEND, DUCTILE IRON, 6", 22-1/2 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	6	68.37	\$410.22	8 weeks		STAR MJB2206	Each	6	\$ 66.12	\$ 396.72	56-72	N/A	\$ 205.20	\$ 191.52	48.28%	
FTGAT230	BEND, DUCTILE IRON, 8", 22-1/2 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	10	107.07	\$1,070.70	8 weeks		STAR MJB2208	Each	10	\$ 103.54	\$ 1,035.40	56-72	N/A	\$ 598.40	\$ 437.00	42.21%	
FTGAT270	BEND, DUCTILE IRON, 18", 22-1/2 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	1	443.76	\$443.76	8 weeks		STAR MJB2716	Each	1	\$ 429.09	\$ 429.09	56-72	N/A	\$ 218.40	\$ 210.69	49.10%	
FTGAT310	BEND, DUCTILE IRON, 4", 45 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	21	47.3	\$993.30	8 weeks		STAR MJB4504	Each	21	\$ 45.74	\$ 960.54	56-72	N/A	\$ 551.04	\$ 409.50	42.63%	
FTGAT320	BEND, DUCTILE IRON, 6", 45 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	35	75.25	\$2,633.75	8 weeks		STAR MJB4506	Each	35	\$ 72.77	\$ 2,546.95	56-72	N/A	\$ 1,432.20	\$ 1,114.75	43.77%	
FTGAT330	BEND, DUCTILE IRON, 8", 45 DEGREE, MECHANICAL JOINT, WITHOUT ACCESSORIES.	Tyler Union	Each	31	109.65	\$3,399.15	8 weeks		STAR MJB4508	Each	31	\$ 106.03	\$ 3,286.93	56-72	N/A	\$ 1,904.64	\$ 1,382.29	42.05%	
FTGAT340	BEND, DUCTILE IRON, 10", 45 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	5	158.24	\$791.20	8 weeks			0	Each	5	\$ -	\$ -	0	0	\$ 419.00	\$ 374.20	47.30%
FTGAT350	BEND, DUCTILE IRON, 12", 45 DEGREE, MECHANICAL JOINT, WITHOUT ACCESSORIES.	Tyler Union	Each	17	236.5	\$4,020.50	8 weeks		STAR MJB4512	Each	17	\$ 228.68	\$ 3,887.56	56-72	N/A	\$ 2,257.60	\$ 1,629.96	41.93%	
FTGAT380	BEND, DUCTILE IRON, 20", 45 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	1	730.57	\$730.57	8 weeks		STAR MJB4620	Each	1	\$ 706.43	\$ 706.43	56-72	N/A	\$ 348.32	\$ 358.11	50.69%	
FTGAT395	BEND, DUCTILE IRON, 3", 90 DEGREE, FLANGED.	Tyler Union	Each	32	52.46	\$1,678.72	8 weeks			0	Each	32	\$ -	\$ -	0	0	\$ 883.20	\$ 795.52	47.39%
FTGAT400	BEND, DUCTILE IRON, 3", 90 DEGREE, FLANGED. SIGMA ORDER BY DESCRIPTION TAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION	SIGMA ORDER BY DESCRIPTION	Each	80	67.51	\$5,400.80	8 weeks			0	Each	80	\$ -	\$ -	0	0	\$ 2,832.00	\$ 2,568.80	47.56%
FTGAT410	BEND, DUCTILE IRON, 4", 90 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	71	56.76	\$4,029.96	8 weeks		STAR MJB5004	Each	71	\$ 54.88	\$ 3,896.48	56-72	N/A	\$ 2,108.70	\$ 1,787.78	45.88%	
FTGAT415	BEND, DUCTILE IRON, 4", 90 DEGREE, FLANGED. SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION	SIGMA ORDER BY DESCRIPTION	Each	71	104.49	\$7,418.79	8 weeks			0	Each	71	\$ -	\$ -	0	0	\$ 3,897.00	\$ 3,520.89	47.46%
FTGAT420	BEND, DUCTILE IRON, 6", 90 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	85	92.88	\$7,894.80	8 weeks		STAR MJB5006	Each	85	\$ 89.81	\$ 7,633.85	56-72	N/A	\$ 4,131.00	\$ 3,502.85	45.89%	
FTGAT425	BEND, DUCTILE IRON, 6", 90 DEGREE, FLANGED.	Tyler Union	Each	21	161.68	\$3,395.28	8 weeks		STAR FB09006	Each	21	\$ 156.34	\$ 3,283.14	56-72	N/A	\$ 1,782.90	\$ 1,500.24	45.70%	
FTGAT430	BEND, DUCTILE IRON, 8", 90 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	51	134.16	\$6,842.16	8 weeks		STAR MJB5008	Each	51	\$ 129.73	\$ 6,616.23	56-72	N/A	\$ 3,595.50	\$ 3,020.73	45.66%	
FTGAT435	BEND, DUCTILE IRON, 8", 90 DEGREE, FLANGED.	Tyler Union	Each	11	264.02	\$2,904.22	8 weeks			0	Each	11	\$ -	\$ -	0	0	\$ 1,531.20	\$ 1,373.02	47.28%
FTGAT440	BEND, DUCTILE IRON, 10", 90 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	3	212.42	\$637.26	8 weeks		STAR MJB5010	Each	3	\$ 205.40	\$ 616.20	56-72	N/A	\$ 335.70	\$ 280.50	45.52%	
FTGAT445	BEND, DUCTILE IRON, 10", 90 DEGREE, FLANGED.	Tyler Union	Each	1	419.25	\$419.25	8 weeks			0	Each	1	\$ -	\$ -	0	0	\$ 224.48	\$ 194.77	46.46%
FTGAT450	BEND, DUCTILE IRON, 12", 90 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	11	285.95	\$3,145.45	8 weeks		STAR MJB5012	Each	11	\$ 276.51	\$ 3,041.61	56-72	N/A	\$ 1,767.04	\$ 1,274.57	41.90%	
FTGAT602	BEND, DUCTILE IRON, 6", 22-1/2 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	3	269.43	\$808.29	8 weeks		STAR MJB2206P401	Each	3	\$ 261.32	\$ 783.96	56-72	N/A	\$ 405.00	\$ 378.96	48.34%	
FTGAT604	BEND, DUCTILE IRON, 6", 22-1/2 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	2	382.17	\$764.34	8 weeks		STAR MJB2208P401	Each	2	\$ 370.66	\$ 741.32	56-72	N/A	\$ 382.86	\$ 358.46	48.35%	
FTGAT630	BEND, DUCTILE IRON, 4", 45 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	11	180.3	\$1,983.30	8 weeks		STAR MJB4504P401	Each	11	\$ 174.87	\$ 1,923.57	56-72	N/A	\$ 991.98	\$ 931.59	48.43%	
FTGAT632	BEND, DUCTILE IRON, 6", 45 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	5	278.39	\$1,391.95	8 weeks		STAR MJB4506P401	Each	5	\$ 270.00	\$ 1,350.00	56-72	N/A	\$ 697.95	\$ 632.05	48.30%	
FTGAT634	BEND, DUCTILE IRON, 8", 45 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	5	394.62	\$1,973.10	8 weeks		STAR MJB4508P401	Each	5	\$ 373.03	\$ 1,865.15	56-72	N/A	\$ 963.00	\$ 901.25	48.32%	
FTGAT636	BEND, DUCTILE IRON, 10", 45 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	1	513.63	\$513.63	8 weeks			0	Each	1	\$ -	\$ -	0	0	\$ 257.58	\$ 236.05	49.85%
FTGAT638	BEND, DUCTILE IRON, 12", 45 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	3	688.24	\$2,064.72	8 weeks			0	Each	3	\$ -	\$ -	0	0	\$ 1,035.18	\$ 1,029.54	49.86%
FTGAT660	BEND, DUCTILE IRON, 4", 90 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	5	194.95	\$974.75	8 weeks		STAR MJB5006P401	Each	5	\$ 189.08	\$ 945.40	56-72	N/A	\$ 487.35	\$ 458.05	48.45%	
FTGAT662	BEND, DUCTILE IRON, 6", 90 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	6	304.03	\$1,824.18	8 weeks		STAR MJB5008P401	Each	6	\$ 294.87	\$ 1,769.22	56-72	N/A	\$ 918.68	\$ 855.54	48.36%	
FTGAT664	BEND, DUCTILE IRON, 8", 90 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	2	424.09	\$848.18	8 weeks		STAR MJB5010P401	Each	2	\$ 411.32	\$ 822.64	56-72	N/A	\$ 424.98	\$ 397.66	48.34%	
FTGAT666	BEND, DUCTILE IRON, 10", 90 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	1	596.26	\$596.26	8 weeks			0	Each	1	\$ -	\$ -	0	0	\$ 298.89	\$ 297.37	49.87%
FTGAT668	BEND, DUCTILE IRON, 12", 90 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	1	761.5	\$761.50	8 weeks		STAR MJB5012P401	Each	1	\$ 738.56	\$ 738.56	56-72	N/A	\$ 381.78	\$ 356.78	48.31%	
FTGAW010	CAP, DUCTILE IRON, 3", MECHANICAL JOINT, WITHOUT ACCESSORIES.	ORDER BY DESCRIPTION OBD	Each	3	20.64	\$61.92	8 weeks			0	Each	3	\$ -	\$ -	0	0	\$ 34.56	\$ 27.36	44.19%
FTGAW020	CAP, DUCTILE IRON, 6", MECHANICAL JOINT, (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	5	37.84	\$189.20	8 weeks		STAR MJC06	Each	5	\$ 36.59	\$ 182.95	56-72	N/A	\$ 105.00	\$ 77.35	42.28%	
FTGAW030	CAP, DUCTILE IRON, 8", MECHANICAL JOINT, (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	5	61.92	\$309.60	8 weeks			0	Each	5	\$ -	\$ -	0	0	\$ 172.80	\$ 136.80	44.19%
FTGAW040	CAP, DUCTILE IRON, 10", MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	2	77.4	\$154.80	8 weeks			0	Each	2	\$ -	\$ -	0	0	\$ 86.40	\$ 68.40	44.19%
FTGAW050	CAP, DUCTILE IRON, 12", MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	1	115.67	\$115.67	8 weeks			0	Each	1	\$ -	\$ -	0	0	\$ 64.64	\$ 51.03	44.12%
FTGAW061	CAP, DUCTILE IRON, 16", TAP 2 MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.	SMITH-COOPER INTERNATIONAL 18RT1020090	Each	1	267.46	\$267.46	8 weeks			0	Each	1	\$ -	\$ -	0	0	\$ 150.08	\$ 117.38	43.89%
FTGB0287	FLANGE, THREADED, REDUCING, 9" FLANGE WITH A 2" THREADED TAP, 125 LB. CLASS, 8-HOLE, CAST DUCTILE, MUST MEET ANSI & ASTM. (FLANGE FOR 4" PIPE WITH A 2" THREADED TAP)	SMITH-COOPER INTERNATIONAL 18RT1020090	Each	3	195	\$585.00	8 weeks			0	Each	3	\$ -	\$ -	0	0	\$ 255.00	\$ 330.00	56.41%
FTGB0030	OFFSET, DUCTILE IRON, MECHANICAL JOINT, 6", W/12" DROP, FULL BODY, WITHOUT ACCESSORIES.	Tyler Union	Each	6	199.52	\$1,197.12	8 weeks		STAR MJD0612	Each	6	\$ 377.96	\$ 2,267.76	56-72	N/A	\$ 672.00	\$ 525.12	43.87%	
FTGB0040	OFFSET, DUCTILE IRON, MECHANICAL JOINT, 6", W/18" DROP, FULL BODY, WITHOUT ACCESSORIES.	Tyler Union	Each	5	244.24	\$1,221.20	8 weeks		STAR MJD0612	Each	5	\$ 461.53	\$ 2,307.65	56-72	N/A	\$ 684.80	\$ 536.40	43.92%	
FTGB0050	OFFSET, DUCTILE IRON, MECHANICAL JOINT, 8", W/12" DROP, FULL BODY, WITHOUT ACCESSORIES.	Tyler Union	Each	3	283.8	\$851.40	8 weeks			0	Each	3	\$ -	\$ -	0	0	\$ 478.08	\$ 373.32	43.85%
FTGB0060	OFFSET, CAST IRON, MECHANICAL JOINT, 8", W/18" DROP, FULL BODY, DUCTILE IRON, WITHOUT ACCESSORIES.	Tyler Union	Each	5	353.89	\$1,769.45	8 weeks		STAR MJD0818	Each	5	\$ 675.66	\$ 3,378.30	56-72	N/A	\$ 956.20	\$ 724.25	43.76%	
FTGB0080	OFFSET, DUCTILE IRON, MECHANICAL JOINT, 10", W/18" DROP, FULL BODY, WITHOUT ACCESSORIES.	Tyler Union	Each	1	494.07	\$494.07	8 weeks			0	Each	1	\$ -	\$ -	0	0	\$ 277.76	\$ 216.31	43.78%
FTGB0100	OFFSET, DUCTILE IRON, MECHANICAL JOINT, 12", W/18" DROP, FULL BODY, WITHOUT ACCESSORIES.	Tyler Union	Each	1	598.99	\$598.99	8 weeks			0	Each	1	\$ 1,170.86	\$ 1,170.86	56-72	N/A	\$ 298.84	\$ 304.15	50.78%

FTGB007	PLUG, DUCTILE IRON, 3" TAPPED 2", M3.		Tyler Union	Each	4	52.46	\$209.84	8 weeks		0	Each	4	\$ -	\$ -	0	0	\$ 117.76	\$ 92.08	43.88%
FTGB010	PLUG, DUCTILE IRON, MECHANICAL JOINT, 4" WITHOUT ACCESSORIES.		Tyler Union	Each	7	26.66	\$186.62	8 weeks		0	Each	7	\$ 25.78	\$ 180.46	56.72	N/A	\$ 103.04	\$ 77.42	42.90%
FTGB030	PLUG, DUCTILE IRON, MECHANICAL JOINT, 4" TAPPED 2" WITHOUT ACCESSORIES.		Tyler Union	Each	32	49.02	\$1,568.64	8 weeks		0	Each	32	\$ 47.40	\$ 1,516.80	56.72	N/A	\$ 870.40	\$ 646.40	42.62%
FTGB040	PLUG, DUCTILE IRON, MECHANICAL JOINT, 6" WITHOUT ACCESSORIES.		Tyler Union	Each	8	49.88	\$399.04	8 weeks		0	Each	8	\$ 48.23	\$ 385.84	56.72	N/A	\$ 222.72	\$ 163.12	42.28%
FTGB070	PLUG, DUCTILE IRON, MECHANICAL JOINT, 6" TAPPED 2", WITHOUT ACCESSORIES.		Tyler Union	Each	40	71.81	\$2,872.40	8 weeks		0	Each	40	\$ 69.44	\$ 2,777.60	56.72	N/A	\$ 1,534.80	\$ 1,232.80	45.10%
FTGB080	PLUG, DUCTILE IRON, MECHANICAL JOINT, 8" WITHOUT ACCESSORIES.		Tyler Union	Each	7	73.53	\$514.71	8 weeks		0	Each	7	\$ 71.11	\$ 497.77	56.72	N/A	\$ 288.96	\$ 208.81	41.95%
FTGB090	PLUG, DUCTILE IRON, MECHANICAL JOINT, 8" TAPPED 2", WITHOUT ACCESSORIES.		Tyler Union	Each	17	95.89	\$1,630.13	8 weeks		0	Each	17	\$ 92.73	\$ 1,576.41	56.72	N/A	\$ 913.92	\$ 662.49	42.03%
FTGB110	PLUG, DUCTILE IRON, MECHANICAL JOINT, 10" WITHOUT ACCESSORIES.		Tyler Union	Each	2	128.14	\$256.28	8 weeks		0	Each	2	\$ 123.91	\$ 247.82	56.72	N/A	\$ 144.00	\$ 103.82	41.89%
FTGB130	PLUG, DUCTILE IRON, MECHANICAL JOINT, 10" TAPPED 2", WITHOUT ACCESSORIES.		Tyler Union	Each	3	150.5	\$451.50	8 weeks		0	Each	3	\$ 145.53	\$ 436.59	56.72	N/A	\$ 253.44	\$ 183.15	41.95%
FTGB140	PLUG, DUCTILE IRON, MECHANICAL JOINT, 12" WITHOUT ACCESSORIES.		Tyler Union	Each	1	126.42	\$126.42	8 weeks		0	Each	1	\$ -	\$ -	0	0	\$ 71.04	\$ 55.38	43.81%
FTGB160	PLUG, DUCTILE IRON, MECHANICAL JOINT, 12" TAPPED 2", WITHOUT ACCESSORIES.		Tyler Union	Each	5	147.92	\$739.60	8 weeks		0	Each	5	\$ 148.08	\$ 755.15	56.72	N/A	\$ 414.40	\$ 300.75	42.05%
FTGB170	PLUG, DUCTILE IRON, MECHANICAL JOINT, 16" WITHOUT ACCESSORIES.		Tyler Union	Each	1	332.82	\$332.82	8 weeks		0	Each	1	\$ -	\$ -	0	0	\$ 187.20	\$ 145.62	43.75%
FTGB190	PLUG, CAST IRON, MECHANICAL JOINT, 24", WITHOUT ACCESSORIES.		Tyler Union	Each	1	776.58	\$776.58	8 weeks		0	Each	1	\$ -	\$ -	0	0	\$ 423.04	\$ 333.54	45.53%
FTGB000	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 4" X 3", WITHOUT ACCESSORIES.		Tyler Union	Each	7	49.02	\$343.14	8 weeks		0	Each	7	\$ 47.40	\$ 331.80	56.72	N/A	\$ 190.40	\$ 141.40	42.62%
FTGB010	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 6" X 4", WITHOUT ACCESSORIES.		Tyler Union	Each	8	54.18	\$433.44	8 weeks		0	Each	8	\$ 52.30	\$ 419.12	56.72	N/A	\$ 240.64	\$ 178.48	42.58%
FTGB020	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 8" X 4", WITHOUT ACCESSORIES.		Tyler Union	Each	1	73.53	\$73.53	8 weeks		0	Each	1	\$ 71.11	\$ 71.11	56.72	N/A	\$ 41.28	\$ 29.83	41.95%
FTGB030	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 8" X 6", WITHOUT ACCESSORIES.		Tyler Union	Each	7	78.69	\$550.83	8 weeks		0	Each	7	\$ 76.09	\$ 532.63	56.72	N/A	\$ 306.88	\$ 235.75	42.38%
FTGB060	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 10" X 8", WITHOUT ACCESSORIES.		Tyler Union	Each	1	110.94	\$110.94	8 weeks		0	Each	1	\$ 107.27	\$ 107.27	56.72	N/A	\$ 60.08	\$ 45.19	42.31%
FTGB070	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 12" X 4", DPOX/UNLINED, WITHOUT ACCESSORIES.		Tyler Union	Each	1	560.03	\$560.03	8 weeks		0	Each	1	\$ -	\$ -	0	0	\$ 280.80	\$ 279.23	49.86%
FTGB080	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 12" X 6", WITHOUT ACCESSORIES.		Tyler Union	Each	1	125.76	\$125.76	8 weeks		0	Each	1	\$ -	\$ -	0	0	\$ 74.56	\$ 51.20	40.71%
FTGB095	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 12" X 10", DPOX/UNLINED, WITHOUT ACCESSORIES.		Tyler Union	Each	1	558	\$558.00	8 weeks		0	Each	1	\$ -	\$ -	0	0	\$ 279.72	\$ 278.28	49.87%
FTGB100	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 12" X 10", WITHOUT ACCESSORIES.		Tyler Union	Each	3	150.5	\$451.50	8 weeks		0	Each	3	\$ -	\$ -	0	0	\$ 252.44	\$ 198.06	43.87%
FTGB003	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 3" SHORT PATTERN, WITHOUT ACCESSORIES. DOMESTIC ORIGIN CASTINGS ONLY. UNION, TYLER, U.S. PIPE, OR EQUAL.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	29	37.84	\$1,097.36	8 weeks		0	Each	29	\$ -	\$ -	0	0	\$ 612.48	\$ 484.88	44.19%
FTGB010	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 4" SHORT PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	30	35.69	\$1,070.70	8 weeks		0	Each	30	\$ 34.52	\$ 1,035.60	56.72	N/A	\$ 595.20	\$ 440.40	42.53%
FTGB015	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 4", 12 LONG PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS Description TYLER PIPE Description US PIPE Description		Each	10	50.31	\$503.10	8 weeks		0	Each	10	\$ 48.65	\$ 486.50	56.72	N/A	\$ 281.60	\$ 204.90	42.12%
FTGB021	SLEEVE, DUCTILE IRON, 4" "GROUND DOWN" SHORT PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY PACK TO BE "GROUND DOWN" TO AN ID OF 3.25". THE OTHER END OF SLEEVE WILL REMAIN STANDARD. ** SHIP ASSEMBLED **	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	2	260	\$520.00	8 weeks		0	Each	2	\$ -	\$ -	0	0	\$ 360.00	\$ 160.00	30.77%
FTGB025	SLEEVE, DUCTILE IRON, 4" "GROUND DOWN", 12 LONG PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS Description TYLER PIPE Description US PIPE Description		Each	2	275	\$550.00	8 weeks		0	Each	2	\$ -	\$ -	0	0	\$ 390.00	\$ 160.00	29.09%
FTGB030	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 6" SHORT PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	25	63.21	\$1,580.25	8 weeks		0	Each	25	\$ 61.13	\$ 1,528.25	56.72	N/A	\$ 880.00	\$ 648.25	42.42%
FTGB035	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 6", 12 LONG PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS Description TYLER PIPE Description US PIPE Description		Each	19	84.28	\$1,601.32	8 weeks		0	Each	19	\$ 81.49	\$ 1,548.31	56.72	N/A	\$ 893.76	\$ 654.55	42.28%
FTGB042	SLEEVE, DUCTILE IRON, 6" "GROUND DOWN", 12 LONG PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	20	345	\$6,900.00	8 weeks		0	Each	20	\$ -	\$ -	0	0	\$ 4,700.00	\$ 2,200.00	31.88%
FTGB045	SLEEVE, 6" DUCTILE IRON, GROUND DOWN, SHORT PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY PACK TO BE "GROUND DOWN" TO AN ID OF 7.40". ONE END OF A STANDARD SLEEVE AND THE OTHER END WILL REMAIN STANDARD. ** SHIP ASSEMBLED **	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	2	320	\$640.00	8 weeks		0	Each	2	\$ -	\$ -	0	0	\$ 470.00	\$ 170.00	26.56%
FTGB050	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 8" SHORT PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	25	81.7	\$2,042.50	8 weeks		0	Each	25	\$ 79.00	\$ 1,975.00	56.72	N/A	\$ 1,144.00	\$ 831.00	42.08%
FTGB052	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 8", 12 LONG PATTERN, WITHOUT ACCESSORIES	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS Description TYLER PIPE Description US PIPE Description		Each	23	135.45	\$3,115.35	8 weeks		0	Each	23	\$ 130.98	\$ 3,012.54	56.72	N/A	\$ 1,669.57	\$ 1,342.97	44.58%
FTGB053	SLEEVE, DUCTILE IRON, 8" "GROUND DOWN", 12 LONG PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	9	440	\$3,960.00	8 weeks		0	Each	9	\$ -	\$ -	0	0	\$ 2,335.75	\$ 1,424.25	35.97%
FTGB061	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 10", 12 LONG PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	7	162.11	\$1,134.77	8 weeks		0	Each	7	\$ 156.76	\$ 1,097.32	56.72	N/A	\$ 636.16	\$ 461.16	42.03%
FTGB065	SLEEVE, DUCTILE IRON, 10" "GROUND DOWN", 12 LONG PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	5	515	\$2,575.00	8 weeks		0	Each	5	\$ -	\$ -	0	0	\$ 1,677.10	\$ 897.90	34.87%
FTGB070	INACTIVATE UPON DEPLETION - SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 12", SHORT PATTERN, WITHOUT ACCESSORIES. DOMESTIC ORIGIN CASTINGS ONLY. UNION, TYLER, U.S. PIPE, OR EQUAL. - INACTIVATE ONCE DEPLETED		Tyler Union	Each	1	165.12	\$165.12	8 weeks		0	Each	1	\$ -	\$ -	0	0	\$ 92.80	\$ 72.32	43.80%
FTGB071	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 12", 12 LONG PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	21	218.01	\$4,578.21	8 weeks		0	Each	21	\$ 210.81	\$ 4,427.01	56.72	N/A	\$ 2,433.22	\$ 1,973.79	44.59%
FTGB075	SLEEVE, DUCTILE IRON, 12" "GROUND DOWN", 12 LONG PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY PACK TO BE "GROUND DOWN" TO AN ID OF 11.70". THE OTHER END OF THE SLEEVE WILL REMAIN STANDARD. ** SHIP ASSEMBLED **	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	1	625	\$625.00	8 weeks		0	Each	1	\$ -	\$ -	0	0	\$ 435.00	\$ 190.00	30.40%
FTGB090	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 16", 15" LONG PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	14	416.67	\$5,833.38	8 weeks		0	Each	14	\$ 402.91	\$ 5,640.74	56.72	N/A	\$ 3,125.64	\$ 2,515.10	44.59%
FTGB095	SLEEVE, DUCTILE IRON, 16" "GROUND DOWN", 15" LONG PATTERN STANDARD M3 SLEEVE AND ONE (1) ACCESSORY	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION		Each	3	945	\$2,835.00	8 weeks		0	Each	3	\$ -	\$ -	0	0	\$ 1,845.00	\$ 990.00	34.92%







FTGC190	BUSHING, PIPE - GALVANIZED, 2" MIPT X 1-1/2" FIPT.	Ward	Each	84	6.5	\$546.00	21 days	0	Each	84	\$	-	\$	-	0	0	\$	289.80	\$	256.20	46.92%	
FTGC220	BUSHING, PIPE - GALVANIZED, 2-1/2" MIPT X 1-1/2" FIPT.	Ward	Each	1	11.97	\$11.97	21 days	0	Each	1	\$	-	\$	-	0	0	\$	6.30	\$	5.67	47.37%	
FTGC230	BUSHING, PIPE - GALVANIZED, 2-1/2" MIPT X 2" FIPT.	Ward	Each	5	10.61	\$53.05	21 days	0	Each	5	\$	-	\$	-	0	0	\$	28.00	\$	25.05	47.23%	
FTGC270	BUSHING, PIPE - GALVANIZED, 3" MIPT X 2" FIPT.	Ward	Each	5	14.31	\$71.55	21 days	0	Each	5	\$	-	\$	-	0	0	\$	38.25	\$	33.30	46.94%	
FTGC020	CAP, PIPE - GALVANIZED, 2" FIPT.	Ward	Each	3	6.01	\$18.03	21 days	0	Each	3	\$	-	\$	-	0	0	\$	9.84	\$	8.19	45.42%	
FTGC040	COUPLING, PIPE - GALVANIZED, 1/2" FIPT X 1/2" FIPT.	Ward	Each	2	2.2	\$4.40	21 days	0	Each	2	\$	-	\$	-	0	0	\$	2.46	\$	1.94	44.09%	
FTGC050	COUPLING, PIPE - GALVANIZED, 3/4" FIPT X 3/4" FIPT.	Ward	Each	90	2.52	\$226.80	21 days	0	Each	90	\$	-	\$	-	0	0	\$	121.50	\$	105.30	46.83%	
FTGC060	COUPLING, PIPE - GALVANIZED, 1" FIPT X 1" FIPT.	Ward	Each	240	4.15	\$996.00	21 days	0	Each	240	\$	-	\$	-	0	0	\$	516.00	\$	480.00	48.19%	
FTGC065	COUPLING, PIPE - NO-LEAD BRASS, 1" FIPT X 1" FIPT.	ORDER BY DESCRIPTION OBD	Ward	Each	244	5.85	\$1,427.40	21 days	0	Each	244	\$	-	\$	-	0	0	\$	854.00	\$	573.40	40.17%
FTGC070	COUPLING, PIPE - GALVANIZED, 1-1/4" FIPT X 1-1/4" FIPT.	ORDER BY DESCRIPTION OBD	Ward	Each	30	5.71	\$171.30	21 days	0	Each	30	\$	-	\$	-	0	0	\$	90.00	\$	81.30	47.46%
FTGC075	COUPLING, PIPE - NO-LEAD BRASS, 1-1/4" FIPT X 1-1/4" FIPT.	ORDER BY DESCRIPTION OBD	Ward	Each	46	9.15	\$420.90	21 days	0	Each	46	\$	-	\$	-	0	0	\$	251.62	\$	169.28	40.23%
FTGC080	COUPLING, PIPE - GALVANIZED, 1-1/2" FIPT X 1-1/2" FIPT.	Ward	Each	52	6.51	\$338.52	21 days	0	Each	52	\$	-	\$	-	0	0	\$	184.60	\$	153.92	45.47%	
FTGC085	COUPLING, PIPE - NO-LEAD BRASS, 1-1/2" FIPT X 1-1/2" FIPT.	ORDER BY DESCRIPTION OBD	Ward	Each	71	12.44	\$883.24	21 days	0	Each	71	\$	-	\$	-	0	0	\$	526.82	\$	356.42	40.35%
FTGC090	COUPLING, PIPE - GALVANIZED, 2" FIPT X 2" FIPT. MUST BE SMOOTH OUTSIDE, NO RIDGES.	ORDER BY DESCRIPTION OBD	Ward	Each	125	6.28	\$785.00	21 days	0	Each	125	\$	-	\$	-	0	0	\$	606.25	\$	178.75	27.77%
FTGC095	COUPLING, PIPE - STAINLESS 316 GRADE, 2" FIPT X 2" FIPT.	ORDER BY DESCRIPTION OBD	Ward	Each	192	14.28	\$2,741.76	21 days	0	Each	192	\$	-	\$	-	0	0	\$	1,820.16	\$	921.60	33.61%
FTGC100	COUPLING, PIPE - GALVANIZED, 2-1/2" FIPT X 2-1/2" FIPT.	Ward	Each	3	29.02	\$87.06	21 days	0	Each	3	\$	-	\$	-	0	0	\$	46.05	\$	41.01	47.11%	
FTGC110	COUPLING, PIPE - GALVANIZED, 3" FIPT X 3" FIPT.	Ward	Each	11	38.79	\$426.69	21 days	0	Each	11	\$	-	\$	-	0	0	\$	226.40	\$	200.09	46.89%	
FTGC600	COUPLING, DRIVING - 2", GALVANIZED, FULLY THREADED FOR DRIVING GALVANIZED PIPE. BOTH ENDS TO BE THREADED FIPT, WATERWELL REAMED AND DRIFTED COUPLING, AS SUPPLIED BY CAPITAL OR APPROVED EQUAL.	Ward	Each	7	93.7	\$655.90	21 days	0	Each	7	\$	-	\$	-	0	0	\$	299.00	\$	196.90	60.51%	
FTGC920	COUPLING, 2", PIPE - 304 STAINLESS STEEL, FIPT X FIPT. ** NO SUBSTITUTE **	Ment Brass	Each	56	11.6	\$649.60	21 days	0	Each	56	\$	-	\$	-	0	0	\$	513.96	\$	138.64	21.03%	
FTGC040	ELL, PIPE - GALVANIZED, 3/4" FIPT BOTH ENDS, 45 DEGREE.	Ward	Each	10	3.38	\$33.80	21 days	0	Each	10	\$	-	\$	-	0	0	\$	17.50	\$	16.50	48.22%	
FTGC050	ELL, PIPE - GALVANIZED, 1" FIPT BOTH ENDS, 45 DEGREE.	Ward	Each	49	3.87	\$189.63	21 days	0	Each	49	\$	-	\$	-	0	0	\$	100.45	\$	89.18	47.03%	
FTGC060	ELL, PIPE - GALVANIZED, 1-1/4" FIPT BOTH ENDS, 45 DEGREE.	Ward	Each	3	7.06	\$21.18	21 days	0	Each	3	\$	-	\$	-	0	0	\$	11.40	\$	9.78	46.18%	
FTGC070	ELL, PIPE - GALVANIZED, 1-1/2" FIPT BOTH ENDS, 45 DEGREE.	Ward	Each	14	8.41	\$117.74	21 days	0	Each	14	\$	-	\$	-	0	0	\$	60.90	\$	58.84	48.28%	
FTGC080	ELL, PIPE - GALVANIZED, 2" FIPT BOTH ENDS, 45 DEGREE.	Ward	Each	47	12.54	\$589.38	21 days	0	Each	47	\$	-	\$	-	0	0	\$	314.90	\$	274.48	46.57%	
FTGC240	ELL, PIPE - GALVANIZED, 3/4" FIPT BOTH ENDS, 90 DEGREE.	Ward	Each	11	1.88	\$20.68	21 days	0	Each	11	\$	-	\$	-	0	0	\$	11.55	\$	9.13	44.15%	
FTGC250	ELL, PIPE - GALVANIZED, 1" FIPT BOTH ENDS, 90 DEGREE.	Ward	Each	171	3.49	\$596.79	21 days	0	Each	171	\$	-	\$	-	0	0	\$	324.00	\$	271.89	45.56%	
FTGC255	ELL, PIPE - NO-LEAD BRASS, 1" FIPT BOTH ENDS, 90 DEGREE.	ORDER BY DESCRIPTION OBD	ORDER BY DESCRIPTION OBD	Each	174	7.35	\$1,278.90	21 days	0	Each	174	\$	-	\$	-	0	0	\$	763.86	\$	553.04	40.27%
FTGC260	ELL, PIPE - GALVANIZED, 1-1/4" FIPT BOTH ENDS, 90 DEGREE.	Ward	Each	20	5.38	\$107.60	21 days	0	Each	20	\$	-	\$	-	0	0	\$	57.00	\$	50.60	47.03%	
FTGC265	ELL, PIPE - NO-LEAD BRASS, 1-1/4" FIPT BOTH ENDS, 90 DEGREE.	ORDER BY DESCRIPTION OBD	ORDER BY DESCRIPTION OBD	Each	33	11.69	\$385.77	21 days	0	Each	33	\$	-	\$	-	0	0	\$	230.34	\$	155.43	40.29%
FTGC270	ELL, PIPE - GALVANIZED, 1-1/2" FIPT BOTH ENDS, 90 DEGREE.	Ward	Each	13	7.09	\$92.17	21 days	0	Each	13	\$	-	\$	-	0	0	\$	49.40	\$	42.77	46.40%	
FTGC280	ELL, PIPE - GALVANIZED, 2" FIPT BOTH ENDS, 90 DEGREE.	Ward	Each	40	11.8	\$472.00	21 days	0	Each	40	\$	-	\$	-	0	0	\$	252.00	\$	200.00	46.61%	
FTGC425	ELL, PIPE - STREET, GALVANIZED, 3/4" FIPT X 3/4" MIPT, 90 DEGREE.	Ward	Each	50	3.2	\$160.00	21 days	0	Each	50	\$	-	\$	-	0	0	\$	65.00	\$	75.00	46.88%	
FTGC430	ELL, PIPE - STREET, GALVANIZED, 1" FIPT X 1" MIPT, 90 DEGREE.	Ward	Each	125	4.36	\$545.00	21 days	0	Each	125	\$	-	\$	-	0	0	\$	300.00	\$	245.00	44.95%	
FTGC435	ELL, PIPE - STREET, NO-LEAD BRASS, 1" FIPT X 1" MIPT 90 DEGREE.	ORDER BY DESCRIPTION OBD	ORDER BY DESCRIPTION OBD	Each	123	10.26	\$1,261.98	21 days	0	Each	123	\$	-	\$	-	0	0	\$	753.99	\$	507.99	40.25%
FTGC440	ELL, PIPE - STREET, GALVANIZED, 1-1/4" FIPT X 1-1/4" MIPT, 90 DEGREE.	Ward	Each	7	7.34	\$51.38	21 days	0	Each	7	\$	-	\$	-	0	0	\$	28.28	\$	33.10	44.96%	
FTGC445	ELL, PIPE - STREET, NO-LEAD BRASS, 1-1/4" FIPT X 1-1/4" MIPT, 90 DEGREE.	Ment Brass	Each	20	15.71	\$314.20	21 days	0	Each	20	\$	-	\$	-	0	0	\$	187.80	\$	126.40	40.23%	
FTGC450	ELL, PIPE - STREET, GALVANIZED, 1-1/2" FIPT X 1-1/2" MIPT, 90 DEGREE.	Ward	Each	11	9.03	\$99.33	21 days	0	Each	11	\$	-	\$	-	0	0	\$	54.67	\$	44.66	44.96%	
FTGC455	ELL, PIPE - STREET, NO-LEAD BRASS, 1-1/2" FIPT X 1-1/2" MIPT, 90 DEGREE.	Ment Brass	Each	18	20.46	\$368.28	21 days	0	Each	18	\$	-	\$	-	0	0	\$	220.14	\$	148.14	40.22%	
FTGC460	ELL, PIPE - STREET, GALVANIZED, 2" FIPT X 2" MIPT, 90 DEGREE.	Ward	Each	10	15.66	\$156.60	21 days	0	Each	10	\$	-	\$	-	0	0	\$	86.00	\$	70.60	45.08%	
FTGC465	ELL, PIPE - STREET, NO-LEAD BRASS, 2" FIPT X 2" MIPT 90 DEGREE.	ORDER BY DESCRIPTION OBD	ORDER BY DESCRIPTION OBD	Each	33	34.7	\$1,145.10	21 days	0	Each	33	\$	-	\$	-	0	0	\$	684.09	\$	451.01	40.26%
FTGC920	ELL, 2", 90 DEGREE, PIPE - 304 STAINLESS STEEL, FIPT BOTH ENDS. ** NO SUBSTITUTE **	Ment Brass	Each	14	16.86	\$236.04	21 days	0	Each	14	\$	-	\$	-	0	0	\$	149.24	\$	75.60	33.62%	
FTGC040	NIPPLE, PIPE - GALVANIZED, 1/2" X 4" MIPT BOTH ENDS.	Ward	Each	3	1.51	\$4.53	21 days	0	Each	3	\$	-	\$	-	0	0	\$	2.40	\$	2.13	47.02%	
FTGC010	NIPPLE, PIPE - GALVANIZED, 3/4" X 2" MIPT BOTH ENDS.	Ward	Each	3	1.32	\$3.96	21 days	0	Each	3	\$	-	\$	-	0	0	\$	2.30	\$	1.86	46.97%	
FTGC030	NIPPLE, PIPE - GALVANIZED, 3/4" X 3" MIPT BOTH ENDS.	Ward	Each	10	1.45	\$14.50	21 days	0	Each	10	\$	-	\$	-	0	0	\$	7.00	\$	6.80	46.90%	
FTGC060	NIPPLE, PIPE - GALVANIZED, 3/4" X 6" MIPT BOTH ENDS.	Ward	Each	5	2.67	\$13.35	21 days	0	Each	5	\$	-	\$	-	0	0	\$	7.05	\$	6.30	47.19%	
FTGC070	NIPPLE, PIPE - GALVANIZED, 3/4" X 8" MIPT BOTH ENDS.	Ward	Each	1	4.63	\$4.63	21 days	0	Each	1	\$	-	\$	-	0	0	\$	2.47	\$	2.16	46.65%	
FTGC090	NIPPLE, PIPE - GALVANIZED, 3/4" X 12" MIPT BOTH ENDS.	Ward	Each	5	5.77	\$28.85	21 days	0	Each	5	\$	-	\$	-	0	0	\$	15.30	\$	13.55	46.97%	
FTGC010	NIPPLE, PIPE - GALVANIZED, 1" X 2" MIPT BOTH ENDS.	Ward	Each	5	1.95	\$9.75	21 days	0	Each	5	\$	-	\$	-	0	0	\$	6.20	\$	5.65	46.67%	
FTGC020	NIPPLE, PIPE - GALVANIZED, 1" X 3" MIPT BOTH ENDS.	Ward	Each	8	2.1	\$16.80	21 days	0	Each	8	\$	-	\$	-	0	0	\$	8.96	\$	7.84	46.67%	
FTGC030	NIPPLE, PIPE - GALVANIZED, 1" X 4" MIPT BOTH ENDS.	Ward	Each	5	2.54	\$12.70	21 days	0	Each	5	\$	-	\$	-	0	0	\$	6.70	\$	6.00	47.34%	
FTGC040	NIPPLE, PIPE - GALVANIZED, 1" X 5" MIPT BOTH ENDS.	Ward	Each	7	3.1	\$21.70	21 days	0	Each	7	\$	-	\$	-	0	0	\$	11.55	\$	10.15	46.77%	
FTGC050	NIPPLE, PIPE - GALVANIZED, 1" X 6" MIPT BOTH ENDS.	Ward	Each	130	3.51	\$456.30	21 days	0	Each	130	\$	-	\$	-	0	0	\$	243.10	\$	213.20	46.72%	
FTGC060	NIPPLE, PIPE - GALVANIZED, 1" X 8" MIPT BOTH ENDS.	Ward	Each	8	5.87	\$46.96	21 days	0	Each	8	\$	-	\$	-	0	0	\$	24.96	\$	22.06	46.85%	
FTGC070	NIPPLE, PIPE - GALVANIZED, 1" X 10" MIPT BOTH ENDS.	Ward	Each	7	6.71	\$46.97	21 days	0	Each	7	\$	-	\$	-	0	0	\$	24.92	\$	22.05	46.94%	
FTGC080	NIPPLE, PIPE - GALVANIZED, 1" X 12" MIPT BOTH ENDS.	Ward	Each	46	7.81	\$359.26	21 days	0	Each	46	\$	-	\$	-	0	0	\$	190.90	\$	168.36	46.80%	
FTGC090	NIPPLE, PIPE - GALVANIZED, 1-1/4" X CLOSE MIPT BOTH ENDS.	Ward	Each	21	2.22	\$46.62	21 days	0	Each	21	\$	-	\$	-	0	0	\$	24.78	\$	21.84	46.85%	
FTGC060	NIPPLE, PIPE - GALVANIZED, 1-1/4" X 3" MIPT BOTH ENDS.	Ward	Each	56	2.62	\$146.72	21 days	0	Each	56	\$	-	\$	-	0	0	\$	77.28	\$	69.44	47.33%	
FTGC010	NIPPLE, PIPE - GALVANIZED, 1-1/4" X 4" MIPT BOTH ENDS.	Ward	Each	5	3.1	\$15.50	21 days	0	Each	5	\$	-	\$	-	0	0	\$	8.25	\$	7.25	46.77%	
FTGC020	NIPPLE, PIPE - GALVANIZED, 1-1/4" X 5" MIPT BOTH ENDS.	Ward	Each	1	3.83	\$3.83</																

FTGCN610	NIPPLE, PIPE - GALVANIZED, 1-1/2" X 6" MIP BOTH ENDS.	Ward	Each	15	5.32	\$79.80	21 days	0	Each	15	\$	-	\$	-	0	0	42.30	\$	37.50	46.99%		
FTGCN620	NIPPLE, PIPE - GALVANIZED, 1-1/2" X 8" MIP BOTH ENDS.	Ward	Each	1	8.27	\$8.27	21 days	0	Each	1	\$	-	\$	-	0	0	4.39	\$	3.88	46.92%		
FTGCN640	NIPPLE, PIPE - GALVANIZED, 1-1/2" X 12" MIP BOTH ENDS.	Ward	Each	31	11.02	\$341.62	21 days	0	Each	31	\$	-	\$	-	0	0	181.35	\$	160.27	46.91%		
FTGCN650	NIPPLE, PIPE - GALVANIZED, 2" X CLOSE MIP BOTH ENDS.	Ward	Each	1	3.65	\$3.65	21 days	0	Each	1	\$	-	\$	-	0	0	1.93	\$	1.72	47.32%		
FTGCN660	NIPPLE, PIPE - GALVANIZED, 2" X 3" MIP BOTH ENDS.	Ward	Each	21	4.11	\$86.31	21 days	0	Each	21	\$	-	\$	-	0	0	45.57	\$	40.74	47.20%		
FTGCN670	NIPPLE, PIPE - GALVANIZED, 2" X 4" MIP BOTH ENDS.	Ward	Each	10	4.99	\$49.90	21 days	0	Each	10	\$	-	\$	-	0	0	26.50	\$	23.40	46.89%		
FTGCN690	NIPPLE, PIPE - GALVANIZED, 2" X 6" MIP BOTH ENDS.	Ward	Each	20	7.4	\$148.00	21 days	0	Each	20	\$	-	\$	-	0	0	78.60	\$	69.40	46.89%		
FTGCN710	NIPPLE, PIPE - GALVANIZED, 2" X 10" MIP BOTH ENDS.	Ward	Each	2	14.1	\$28.20	21 days	0	Each	2	\$	-	\$	-	0	0	14.96	\$	13.24	46.95%		
FTGCN720	NIPPLE, PIPE - GALVANIZED, 2" X 12" MIP BOTH ENDS.	Ward	Each	20	16.18	\$323.60	21 days	0	Each	20	\$	-	\$	-	0	0	171.00	\$	152.00	46.97%		
FTGCN750	NIPPLE, PIPE - GALVANIZED, 2-1/2" X 6" MIP BOTH ENDS.	Ward	Each	5	16.04	\$80.20	21 days	0	Each	5	\$	-	\$	-	0	0	42.55	\$	37.65	46.95%		
FTGCN760	NIPPLE, PIPE - GALVANIZED, 2-1/2" X 8" MIP BOTH ENDS.	Ward	Each	4	20.64	\$82.56	21 days	0	Each	4	\$	-	\$	-	0	0	43.80	\$	38.76	46.95%		
FTGCN830	NIPPLE, PIPE - GALVANIZED, 3" X 5" MIP BOTH ENDS.	Ward	Each	1	20.26	\$20.26	21 days	0	Each	1	\$	-	\$	-	0	0	10.76	\$	9.50	46.89%		
FTGCN840	NIPPLE, PIPE - GALVANIZED, 3" X 6" MIP BOTH ENDS.	Ward	Each	3	21.42	\$64.26	21 days	0	Each	3	\$	-	\$	-	0	0	34.14	\$	30.12	46.87%		
FTGCN860	NIPPLE, PIPE - GALVANIZED, 3" X 10" MIP BOTH ENDS.	Ward	Each	1	32.9	\$32.90	21 days	0	Each	1	\$	-	\$	-	0	0	17.49	\$	15.41	46.84%		
FTGCN870	NIPPLE, PIPE - GALVANIZED, 3" X 12" MIP BOTH ENDS.	Ward	Each	5	37.01	\$185.05	21 days	0	Each	5	\$	-	\$	-	0	0	98.35	\$	86.70	46.85%		
FTGCN890	NIPPLE, PIPE, 2" X 3", 304 STAINLESS STEEL, MIP BOTH ENDS.	Ment Brass	Each	60	6.23	\$373.80	21 days	0	Each	60	\$	-	\$	-	0	0	252.00	\$	121.80	32.58%		
FTGCN962	NIPPLE, PIPE, 2" X 3", 316 STAINLESS STEEL, MIP BOTH ENDS.	ORDER BY DESCRIPTION OBD	ORDER BY DESCRIPTION OBD	Each	89	8.88	\$790.32	21 days	0	Each	89	\$	-	\$	-	0	0	535.78	\$	254.54	32.21%	
FTGCN965	NIPPLE, PIPE, 2" X CLOSE END, 304 STAINLESS STEEL, MIP BOTH ENDS.	Ment Brass	Each	48	4.83	\$231.84	21 days	0	Each	48	\$	-	\$	-	0	0	156.48	\$	75.36	32.51%		
FTGCN970	NIPPLE, PIPE, 2" X 12", 304 STAINLESS STEEL, MIP BOTH ENDS. ** NO SUBSTITUTE **	Ment Brass	Each	40	23.1	\$924.00	21 days	0	Each	40	\$	-	\$	-	0	0	623.80	\$	301.20	32.60%		
FTGCN950	SQUARE HEAD PLUG, PIPE - GALVANIZED, 3/4" MIP.	Ward	Each	15	2.25	\$33.75	21 days	0	Each	15	\$	-	\$	-	0	0	18.60	\$	15.15	44.89%		
FTGCN960	SQUARE HEAD PLUG, PIPE - GALVANIZED, 1" MIP.	Ward	Each	22	2.47	\$54.34	21 days	0	Each	22	\$	-	\$	-	0	0	29.70	\$	24.64	45.34%		
FTGCN970	SQUARE HEAD PLUG, PIPE - GALVANIZED, 1-1/4" MIP.	Ward	Each	6	3.79	\$22.74	21 days	0	Each	6	\$	-	\$	-	0	0	12.42	\$	10.32	45.28%		
FTGCN980	SQUARE HEAD PLUG, PIPE - GALVANIZED, 1-1/2" MIP.	Ward	Each	5	5.11	\$25.55	21 days	0	Each	5	\$	-	\$	-	0	0	14.00	\$	11.55	45.31%		
FTGCN985	SQUARE HEAD PLUG, PIPE - GALVANIZED, 2" MIP.	Ward	Each	60	6.49	\$389.40	21 days	0	Each	60	\$	-	\$	-	0	0	213.00	\$	176.40	45.20%		
FTGCN970	REDUCER, PIPE - GALVANIZED, 3/4" X 1/2" FIP BOTH ENDS.	Ward	Each	10	2.55	\$25.50	21 days	0	Each	10	\$	-	\$	-	0	0	14.00	\$	11.50	45.10%		
FTGCN980	REDUCER, PIPE - GALVANIZED, 1" X 1/2" FIP BOTH ENDS.	Ward	Each	1	4.25	\$4.25	21 days	0	Each	1	\$	-	\$	-	0	0	2.33	\$	1.92	45.18%		
FTGCN990	REDUCER, PIPE - GALVANIZED, 1" X 3/4" FIP BOTH ENDS.	Ward	Each	10	3.95	\$39.50	21 days	0	Each	10	\$	-	\$	-	0	0	21.70	\$	17.80	45.06%		
FTGCN110	REDUCER, PIPE - GALVANIZED, 1-1/4" X 3/4" FIP BOTH ENDS.	Ward	Each	4	5.41	\$21.64	21 days	0	Each	4	\$	-	\$	-	0	0	11.84	\$	9.80	45.29%		
FTGCN120	REDUCER, PIPE - GALVANIZED, 1-1/4" X 1" FIP BOTH ENDS.	Ward	Each	5	5.41	\$27.05	21 days	0	Each	5	\$	-	\$	-	0	0	14.80	\$	12.25	45.29%		
FTGCN140	REDUCER, PIPE - GALVANIZED, 1-1/2" X 3/4" FIP BOTH ENDS.	Ward	Each	3	6.98	\$20.94	21 days	0	Each	3	\$	-	\$	-	0	0	11.43	\$	9.51	45.42%		
FTGCN150	REDUCER, PIPE - GALVANIZED, 1-1/2" X 1" FIP BOTH ENDS.	Ward	Each	3	6.98	\$20.94	21 days	0	Each	3	\$	-	\$	-	0	0	11.43	\$	9.51	45.42%		
FTGCN160	REDUCER, PIPE - GALVANIZED, 1-1/2" X 1-1/4" FIP BOTH ENDS.	Ward	Each	5	6.59	\$32.95	21 days	0	Each	5	\$	-	\$	-	0	0	18.05	\$	14.90	45.22%		
FTGCN180	REDUCER, PIPE - GALVANIZED, 2" X 3/4" FIP BOTH ENDS.	Ward	Each	5	11.37	\$56.85	21 days	0	Each	5	\$	-	\$	-	0	0	31.15	\$	25.70	45.21%		
FTGCN190	REDUCER, PIPE - GALVANIZED, 2" X 1" FIP BOTH ENDS.	Ward	Each	18	9.5	\$171.00	21 days	0	Each	18	\$	-	\$	-	0	0	93.60	\$	77.40	45.26%		
FTGCN200	REDUCER, PIPE - GALVANIZED, 2" X 1-1/4" FIP BOTH ENDS.	Ward	Each	2	10.05	\$20.10	21 days	0	Each	2	\$	-	\$	-	0	0	10.60	\$	9.50	47.36%		
FTGCN210	REDUCER, PIPE - GALVANIZED, 2" X 1-1/2" FIP BOTH ENDS.	Ward	Each	2	9.5	\$19.00	21 days	0	Each	2	\$	-	\$	-	0	0	10.40	\$	8.60	45.26%		
FTGCN220	REDUCER, PIPE - GALVANIZED, 2" X 2" FIP BOTH ENDS.	Ward	Each	3	29.39	\$88.17	21 days	0	Each	3	\$	-	\$	-	0	0	48.27	\$	39.90	45.25%		
FTGCN230	REDUCER, PIPE - GALVANIZED, 3" X 2" FIP BOTH ENDS.	Ward	Each	2	36.9	\$73.80	21 days	0	Each	2	\$	-	\$	-	0	0	40.42	\$	33.38	45.23%		
FTGCN260	REDUCER, PIPE - GALVANIZED, 4" X 3" FIP.	Ward	Each	1	84.49	\$84.49	21 days	0	Each	1	\$	-	\$	-	0	0	45.81	\$	38.68	45.78%		
FTGCN290	TEE, PIPE - GALVANIZED, 3/4" X 3/4" X 3/4" FIP.	Ward	Each	15	3.16	\$47.40	21 days	0	Each	15	\$	-	\$	-	0	0	25.95	\$	21.45	45.25%		
FTGCN370	TEE, PIPE - GALVANIZED, 1" X 1" X 1" FIP	Ward	Each	28	5.16	\$144.48	21 days	0	Each	28	\$	-	\$	-	0	0	78.96	\$	65.52	45.35%		
FTGCN375	TEE, PIPE - NO-LEAD BRASS 1x1x1 FIP	ORDER BY DESCRIPTION ORDER BY DESCRIPTION	ORDER BY DESCRIPTION ORDER BY DESCRIPTION	Each	55	10.4	\$572.00	21 days	0	Each	55	\$	-	\$	-	0	0	342.00	\$	229.90	40.19%	
FTGCN390	TEE, PIPE - GALVANIZED, 1-1/4" X 1-1/4" X 1-1/4" FIP.	Ward	Each	11	8.16	\$89.76	21 days	0	Each	11	\$	-	\$	-	0	0	49.17	\$	40.59	45.22%		
FTGCN395	TEE, PIPE - NO-LEAD BRASS 1-1/4" X 1-1/4" X 1-1/4" FIP.	ORDER BY DESCRIPTION ORDER BY DESCRIPTION	ORDER BY DESCRIPTION ORDER BY DESCRIPTION	Each	23	14.59	\$335.57	21 days	0	Each	23	\$	-	\$	-	0	0	200.56	\$	135.01	40.23%	
FTGCN100	TEE, PIPE - GALVANIZED, 1-1/2" X 1-1/2" X 1-1/2" FIP.	Ward	Each	50	10.18	\$509.00	21 days	0	Each	50	\$	-	\$	-	0	0	279.00	\$	230.00	45.19%		
FTGCN105	TEE, PIPE - NO-LEAD BRASS 1 1/2" X 1-1/2" X 1 1/2" FIP.	ORDER BY DESCRIPTION OBD	ORDER BY DESCRIPTION OBD	Each	37	20.08	\$742.96	21 days	0	Each	37	\$	-	\$	-	0	0	449.63	\$	299.33	40.29%	
FTGCN120	TEE, PIPE - GALVANIZED, 2" X 2" X 2" FIP.	Ward	Each	60	16.99	\$1,019.40	21 days	0	Each	60	\$	-	\$	-	0	0	558.60	\$	460.80	45.20%		
FTGCN125	TEE, PIPE - NO-LEAD BRASS, 2x2x2 FIP	ORDER BY DESCRIPTION ORDER BY DESCRIPTION	ORDER BY DESCRIPTION ORDER BY DESCRIPTION	Each	44	32.89	\$1,447.16	21 days	0	Each	44	\$	-	\$	-	0	0	894.60	\$	582.56	40.26%	
FTGCN990	UNION, PIPE - GALVANIZED, 2" X 2" FIP, BRASS SEAT, GROUND JOINT.	Ward	Each	4	24.29	\$97.16	21 days	0	Each	4	\$	-	\$	-	0	0	56.40	\$	40.76	41.95%		
FTGCN100	GASKET MATERIAL - RED RUBBERIZED, 1/4" THICKNESS X 3" WIDTH, APPROXIMATELY 30 FT LENGTH. (TO BE SHIPPED IN 30 FT. ROLLS ONLY)	Rubber & Gasket	Feet	30	20	\$600.00	21 days	30	Feet	30	\$	-	\$	-	0	0	420.00	\$	180.00	30.00%		
FTGCN150	GASKET MATERIAL - RED RUBBERIZED, 1/4" THICKNESS X 3" WIDTH (TO BE SHIPPED IN 30 FT. ROLLS ONLY)	Rubber & Gasket	Feet	30	45	\$1,350.00	21 days	30	Feet	30	\$	-	\$	-	0	0	870.00	\$	480.00	35.60%		
FTGCZ110	NO LEAD COUPLING, STRAIGHT 3/4" (FCM-33) FEMALE COPPER THREAD X COMPRESSION, COMPRESSION END FOR 250 PSI POLYBUTYLENE TUBING.	FORD C04-33-NL MUELLER H-15071N	FORD C04-33-NL	Each	140	14.18	\$1,985.20	10 weeks	MUELLER H-15071N	Each	140	\$	19.47	\$	2,725.80	56.72	N/A	\$	1,857.80	\$	1,274.00	64.2%
FTGCZ120	NO LEAD COUPLING, STRAIGHT 1", FEMALE COPPER THREAD X COMPRESSION, COMPRESSION END FOR 250 PSI POLYBUTYLENE TUBING.	FORD C04-44-NL MUELLER H-15071N	FORD C04-44-NL	Each	115	20.84	\$2,396.60	10 weeks	MUELLER H-15071N	Each	115	\$	27.09	\$	3,115.95	56.72	N/A	\$	2,244.80	\$	151.80	6.33%
FTGCZ130	NO LEAD COUPLING, STRAIGHT 1-1/2", FEMALE COPPER THREAD X COMPRESSION, COMPRESSION FOR 250 PSI POLYBUTYLENE TUBING.	FORD C04-66-NL MUELLER H-15071N	FORD C04-66-NL	Each	23	48.15	\$1,107.45	10 weeks	MUELLER H-15071N	Each	23	\$	73.62	\$	1,693.26	56.72	N/A	\$	968.53	\$	138.92	12.94%
FTGCZ210	NO LEAD COUPLING, STRAIGHT 3/4" (FCM-33) FEMALE COPPER THREAD X COMPRESSION, COMPRESSION FOR 250 PSI POLYBUTYLENE TUBING.	FORD C04-33-NL MUELLER H-15403N	FORD C04-33-NL	Each	1302	15.18	\$19,764.36	10 weeks	MUELLER H-15403N	Each	1302	\$	19.65	\$	25,584.30	56.72	N/A	\$	18,301.42	\$	1,262.94	6.39%
FTGCZ230	NO LEAD COUPLING, STRAIGHT 1", COMPRESSION X COMPRESSION, FOR POLYBUTYLENE TUBING.	FORD C04-44-NL MUELLER H-15403N	FORD C04-44-NL	Each	754	17.36	\$13,098.44	10 weeks	MUELLER H-15403N	Each	754	\$	21.56	\$	16,256.24	56.72	N/A	\$	12,252.50	\$	836.94	6.39%
FTGCZ310	NO LEAD COUPLING, STRAIGHT 1 1/2", (FCM- 66), COMPRESSION X COMPRESSION, FOR POLYBUTYLENE TUBING.	FORD C04-66-NL MUELLER H-15403N	FORD C04-66-NL	Each	74	58.08	\$4,297.92	10 weeks	MUELLER H-15403N	Each	74	\$	76.02	\$	5,625.48	56.72	N/A	\$	4,025.60	\$	272.32	6.34%
FTGC																						

FTG2410	NO LEAD COUPLING, STRAIGHT, 1", MP TO COMPRESSION, FOR POLYBUTYLENE TUBING.	FORD C84-44-NL MUELLER H-15428N	FORD C84-44-NL	Each	1680	14.76	\$24,796.80	10 weeks		MUELLER H-15428N	Each	1680	\$ 19.14	\$ 32,155.20	56.72	N/A	\$ 33,217.60	\$ 1,579.20	6.37%
FTG2420	NO LEAD COUPLING, STRAIGHT, 1-1/2", MP TO COMPRESSION, FOR POLYBUTYLENE TUBING.	FORD C84-46-NL MUELLER H-15428N	FORD C84-46-NL	Each	150	40.42	\$6,063.00	10 weeks		MUELLER H-15428N	Each	150	\$ 52.82	\$ 7,923.00	56.72	N/A	\$ 5,638.50	\$ 424.50	7.00%
FTG2430	NO LEAD COUPLING, STRAIGHT, 2", MP TO COMPRESSION, FOR POLYBUTYLENE TUBING.	FORD C84-77-NL MUELLER H-15428N	FORD C84-77-NL	Each	210	58.89	\$12,366.90	10 weeks		MUELLER H-15428N	Each	210	\$ 77.11	\$ 16,193.10	56.72	N/A	\$ 11,583.60	\$ 783.30	6.33%
FTG2500	NO LEAD COUPLING, CORPORATION STOP, 3/4" 1/8 BEND INLET; INSIDE COPPER TUBE NUT THREAD, OUTLET; COMPRESSION (OR PAK JOINT) FOR CS POLYBUTYLENE TUBING.	FORD L04A-33-NL MCDONALD 4750-T	FORD L04A-33-NL	Each	51	16.38	\$835.38	10 weeks		MCDONALD 4750-T	Each	51	\$ 16.41	\$ 836.91	56.72	N/A	\$ 781.81	\$ 53.55	6.41%
FTG20093	CEMENT, PVC-CHEMICAL, HD, HIGH VISCOSITY, QUART SIZE, OATEY #31105	EZ WELD EZ WELD 216 SUPERDUTY QUART OATEY CO. 31108	OATEY CO. 31108	Quart	6	11.1	\$66.60	21 days	12		0	Quart	6	\$ -	\$ -	0	\$ 49.32	\$ 17.28	25.95%
FTG20110	CEMENT, PVC-CHEMICAL - GALLON CANS, FOR SCH40 FITTINGS 1/2" THROUGH 2" SIZE, CLEAR.	EZ WELD 205 OATEY CO. 31036	OATEY CO. 31036	Gallon	16	19.2	\$307.20	21 days	4		0	Gallon	16	\$ -	\$ -	0	\$ 275.84	\$ 31.36	10.21%
FTG20120	CEMENT, PVC-CHEMICAL, HD, HIGH VISCOSITY, QUART SIZE, OATEY #31105	EZ WELD 205 OATEY CO. 31105	OATEY CO. 31105	Quart	4	14.65	\$58.60	21 days	12		0	Quart	4	\$ -	\$ -	0	\$ 42.08	\$ 6.52	28.19%
FTG20130	CEMENT, PVC-HEAVY DUTY "BLUE" INDUSTRIAL GRADE CEMENT FOR SCH 80, MEDIUM BODIED FAST SET FAST CURING, WET/DRY PVC CEMENT QUART CANS ONLY.	OATEY CO. 30894	OATEY CO. 30894	Each	210	14.68	\$3,082.80	21 days	12		0	Each	210	\$ -	\$ -	0	\$ 2,478.00	\$ 604.80	19.62%
FTG20210	CLEANER, PVC - PVC PIPE AND FITTING CLEANER, CHEMICAL FORMULA WHICH ALLOWS QUICK CLEANING AND RAPID EVAPORATION. EZ WELD PIPE CLEANER ON EQUAL ***** ONE GALLON CONTAINERS ONLY *****	EZ WELD EZ WELD 214-05 OATEY CO. 30766	OATEY CO. 30766	Gallon	60	25.86	\$1,551.60	21 days	4		0	Gallon	60	\$ -	\$ -	0	\$ 1,224.60	\$ 327.00	21.08%
FTG20310	LUBRICANT, PVC, EASE ON PIPE JOINT LUBRICANT, CONCORD CHEMICAL CO. OR ACCEPTABLE EQUAL FOR ASSEMBLY OR PUSH ON PIPE JOINTS WITH RUBBER OR SYNTHETIC RUBBER TYPE GASKETS. **** ONE GALLON CONTAINERS ONLY ****	No Select	No Select	Gallon	272	11.89	\$3,234.08	21 days	4		0	Gallon	272	\$ -	\$ -	0	\$ 3,035.52	\$ 198.56	6.14%
FTG20110	ADAPTER, PIPE - PVC, SCH 40, 1/2", SLIP X FEMALE PIPE THREAD.	Charlotte	Charlotte	Each	20	0.34	\$6.80	21 days			0	Each	20	\$ -	\$ -	0	\$ 11.80	\$ (5.00)	-73.33%
FTG20115	ADAPTER, PIPE - PVC, SCH 40, 3/4", SLIP X FEMALE PIPE THREAD.	Charlotte	Charlotte	Each	550	0.43	\$236.50	21 days			0	Each	550	\$ -	\$ -	0	\$ 130.00	\$ 104.50	44.19%
FTG20118	ADAPTER, REDUCING, 3/4" SLIP X 1/2" FEMALE PIPE THREAD, SCH40.	Charlotte	Charlotte	Each	190	0.61	\$115.90	21 days			0	Each	190	\$ -	\$ -	0	\$ 66.50	\$ 49.40	42.62%
FTG20120	ADAPTER, PIPE - PVC, SCH 40, 1", SLIP X FEMALE PIPE THREAD.	Charlotte	Charlotte	Each	340	0.5	\$170.00	21 days			0	Each	340	\$ -	\$ -	0	\$ 95.20	\$ 74.80	40.00%
FTG20122	ADAPTER, REDUCING, 1" SLIP X 3/4" FEMALE PIPE THREAD, SCH40.	Charlotte	Charlotte	Each	172	0.82	\$141.04	21 days			0	Each	172	\$ -	\$ -	0	\$ 84.28	\$ 66.76	42.04%
FTG20125	ADAPTER, PIPE - PVC, SCH 40, 1 1/4", SLIP X FEMALE PIPE THREAD.	Charlotte	Charlotte	Each	6	0.78	\$4.68	21 days			0	Each	6	\$ -	\$ -	0	\$ 2.52	\$ 2.16	46.15%
FTG20130	ADAPTER, PIPE - PVC, SCH 40, 1-1/2", SLIP X FEMALE PIPE THREAD.	Charlotte	Charlotte	Each	15	0.88	\$13.20	21 days			0	Each	15	\$ -	\$ -	0	\$ 6.30	\$ 6.90	52.27%
FTG20132	BUSHING, PIPE - PVC, SCH 40, 1 1/2" SLIP X 1" FEMALE PIPE THREAD.	Charlotte	Charlotte	Each	30	1.43	\$42.90	21 days			0	Each	30	\$ -	\$ -	0	\$ 21.00	\$ 21.00	48.95%
FTG20134	ADAPTER, PIPE - PVC, SCH 40, 2", SLIP X FEMALE PIPE THREAD.	Charlotte	Charlotte	Each	10	1.19	\$11.90	21 days			0	Each	10	\$ -	\$ -	0	\$ 5.50	\$ 6.40	53.78%
FTG20140	ADAPTER, PIPE - PVC, SCH 40, 1/2", SLIP X MALE PIPE THREAD.	Charlotte	Charlotte	Each	113	0.28	\$31.64	21 days			0	Each	113	\$ -	\$ -	0	\$ 18.08	\$ 13.56	42.86%
FTG20145	ADAPTER, PIPE - PVC, SCH 40, 3/4", SLIP X MALE PIPE THREAD.	Charlotte	Charlotte	Each	100	0.3	\$30.00	21 days			0	Each	100	\$ -	\$ -	0	\$ 15.00	\$ 15.00	50.00%
FTG20150	ADAPTER, PIPE - PVC, SCH 40, 1", SLIP X MALE PIPE THREAD.	Charlotte	Charlotte	Each	70	0.54	\$37.80	21 days			0	Each	70	\$ -	\$ -	0	\$ 18.20	\$ 19.60	51.85%
FTG20160	ADAPTER, PIPE - PVC, SCH 40, 1-1/2", SLIP X MALE PIPE THREAD.	Charlotte	Charlotte	Each	140	0.88	\$123.20	21 days			0	Each	140	\$ -	\$ -	0	\$ 60.30	\$ 63.00	51.14%
FTG20165	ADAPTER, PIPE - PVC, SCH 40, 2", SLIP X MALE PIPE THREAD.	Charlotte	Charlotte	Each	110	1.17	\$128.70	21 days			0	Each	110	\$ -	\$ -	0	\$ 60.50	\$ 68.20	52.99%
FTG20190	BUSHING, REDUCING, 3/4" SLIP X 1/2" FPT PVC SCH40	Charlotte	Charlotte	Each	60	0.51	\$30.60	21 days			0	Each	60	\$ -	\$ -	0	\$ 12.60	\$ 18.00	58.82%
FTG20195	BUSHING, PVC, SCH 40, 1" SLIP X 3/4" FEMALE IRON PIPE THREAD	CHARLOTTE PIPE AND FOUNDRY PMSFBFG	CHARLOTTE PIPE AND FOUNDRY PMSFBFG	Each	34	0.81	\$27.54	21 days			0	Each	34	\$ -	\$ -	0	\$ 13.94	\$ 13.60	49.38%
FTG20200	BUSHING, PVC - SCH 40, 3/4" X 1/2", REDUCING BUSHING, SLIP X SLIP	Charlotte	Charlotte	Each	20	0.32	\$6.40	21 days			0	Each	20	\$ -	\$ -	0	\$ 3.80	\$ 2.60	40.63%
FTG20210	BUSHING, PVC - SCH 40, 1" X 3/4", REDUCING BUSHING, SLIP X SLIP	Charlotte	Charlotte	Each	126	0.57	\$71.82	21 days			0	Each	126	\$ -	\$ -	0	\$ 35.28	\$ 36.54	50.88%
FTG20227	BUSHING, PVC - SCH 40, 1" X 1-1/4", REDUCING BUSHING, SLIP X SLIP	Charlotte	Charlotte	Each	13	0.77	\$10.01	21 days			0	Each	13	\$ -	\$ -	0	\$ 5.33	\$ 4.68	46.75%
FTG20240	BUSHING, PVC - SCH 40, 1-1/4" X 1-1/2", REDUCING BUSHING, SLIP X SLIP	Charlotte	Charlotte	Each	26	0.82	\$21.32	21 days			0	Each	26	\$ -	\$ -	0	\$ 9.88	\$ 11.44	53.66%
FTG20246	BUSHING, PVC - SCH 40, 2" X 1-1/2", REDUCING BUSHING, SLIP X SLIP	Charlotte	Charlotte	Each	260	1.35	\$351.00	21 days			0	Each	260	\$ -	\$ -	0	\$ 206.40	\$ 145.60	41.48%
FTG20247	BUSHING, PVC - SCH 40, 2" SLIP X 1" REDUCING BUSHING, SLIP X SLIP	CHARLOTTE PIPE AND FOUNDRY PMSFBFG	CHARLOTTE PIPE AND FOUNDRY PMSFBFG	Each	13	1.35	\$17.55	21 days			0	Each	13	\$ -	\$ -	0	\$ 6.97	\$ 8.58	48.89%
FTG20250	CAP, PVC - SCH 40, 1/2", SLIP	Charlotte	Charlotte	Each	20	0.28	\$5.60	21 days			0	Each	20	\$ -	\$ -	0	\$ 3.20	\$ 2.40	42.86%
FTG20260	CAP, PVC - SCH 40, 3/4", SLIP	Charlotte	Charlotte	Each	120	0.32	\$38.40	21 days			0	Each	120	\$ -	\$ -	0	\$ 19.20	\$ 19.20	50.00%
FTG20270	CAP, PVC - SCH 40, 1", SLIP	Charlotte	Charlotte	Each	85	0.35	\$29.75	21 days			0	Each	85	\$ -	\$ -	0	\$ 20.40	\$ 21.60	52.00%
FTG20290	CAP, PVC - SCH 40, 2", SLIP	Charlotte	Charlotte	Each	3	0.94	\$2.82	21 days			0	Each	3	\$ -	\$ -	0	\$ 1.35	\$ 1.47	51.31%
FTG20295	CAP, PVC - SCH 40, 2", THREADED.	Charlotte	Charlotte	Each	2	2.19	\$4.38	21 days			0	Each	2	\$ -	\$ -	0	\$ 2.02	\$ 2.36	53.88%
FTG20300	CAP, PVC - SCH 40, 4", SLIP	Charlotte	Charlotte	Each	19	7.55	\$143.45	21 days			0	Each	19	\$ -	\$ -	0	\$ 69.02	\$ 74.68	52.29%
FTG20305	CAP, PVC - SCH 40, 6", SLIP	Charlotte	Charlotte	Each	55	17.83	\$980.65	21 days			0	Each	55	\$ -	\$ -	0	\$ 540.65	\$ 439.00	55.76%
FTG20330	COUPLING, PVC - SCH 40, 1/2" SLIP X SLIP	Charlotte	Charlotte	Each	96	0.2	\$19.20	21 days			0	Each	96	\$ -	\$ -	0	\$ 11.52	\$ 7.68	40.00%
FTG20335	COUPLING, PVC - SCH 40, 3/4" SLIP X SLIP	Charlotte	Charlotte	Each	600	0.28	\$168.00	21 days			0	Each	600	\$ -	\$ -	0	\$ 78.00	\$ 90.00	53.57%
FTG20360	COUPLING, PVC - SCH 40, 1" SLIP X SLIP	Charlotte	Charlotte	Each	440	0.48	\$211.20	21 days			0	Each	440	\$ -	\$ -	0	\$ 105.60	\$ 105.60	50.00%
FTG20370	COUPLING, PVC - SCH 40, 1-1/2" SLIP X SLIP	Charlotte	Charlotte	Each	125	0.71	\$88.75	21 days			0	Each	125	\$ -	\$ -	0	\$ 42.50	\$ 46.25	52.11%
FTG20375	COUPLING, REDUCER - PVC, SCH40, 5 X 1-1/2" X 1"	Charlotte	Charlotte	Each	18	0.82	\$14.76	21 days			0	Each	18	\$ -	\$ -	0	\$ 7.56	\$ 7.56	51.22%
FTG20375	COUPLING, PVC - SCH 40, 2" SLIP X SLIP	Charlotte	Charlotte	Each	30	1.08	\$32.40	21 days			0	Each	30	\$ -	\$ -	0	\$ 15.30	\$ 17.10	52.78%
FTG20380	COUPLING, PVC - SCH 40, 3" SLIP X SLIP	Charlotte	Charlotte	Each	13	3.75	\$48.75	21 days			0	Each	13	\$ -	\$ -	0	\$ 24.40	\$ 25.35	52.00%
FTG20385	ELL, PVC - SCH 40, 4" SLIP X SLIP	Charlotte	Charlotte	Each	4	5.43	\$21.72	21 days			0	Each	4	\$ -	\$ -	0	\$ 11.12	\$ 11.12	51.20%
FTG20400	ELL, PVC - SCH 40, 45 DEGREE, 1/2" SLIP X SLIP	Charlotte	Charlotte	Each	16	0.5	\$8.00	21 days			0	Each	16	\$ -	\$ -	0	\$ 3.36	\$ 4.64	58.00%
FTG20405	ELL, PVC - SCH 40, 45 DEGREE, 3/4" SLIP X SLIP	Charlotte	Charlotte	Each	110	0.78	\$85.80	21 days			0	Each	110	\$ -	\$ -	0	\$ 41.80	\$ 44.00	51.28%
FTG20410	ELL, PVC - 45 DEGREE, 1" SLIP X SLIP, SCH40.	Charlotte	Charlotte	Each	90	0.93	\$83.70	21 days			0	Each	90	\$ -	\$ -	0	\$ 38.70	\$ 45.00	53.76%
FTG20413	ELL, PVC - 45 DEGREE, 1-1/4", SCH40, SLIP X SLIP	Charlotte	Charlotte	Each	13	1.29	\$16.77	21 days			0	Each	13	\$ -	\$ -	0	\$ 6.32	\$ 8.45	50.39%
FTG20415	ELL, PVC - SCH 40, 45 DEGREE, 1 1/2", SLIP X SLIP	Charlotte	Charlotte	Each	22	1.62	\$35.64	21 days			0	Each	22	\$ -	\$ -	0	\$ 17.82	\$ 17.82	50.00%
FTG20425	ELL, PVC - SCH 40, 45 DEGREE, 2" SLIP X SLIP	Charlotte	Charlotte	Each	50	2.12	\$106.00	21 days			0	Each	50	\$ -	\$ -	0	\$ 51.50	\$ 54.50	51.42%
FTG20460	ELL, PVC - SCH 40, 90 DEGREE, 1/2", SLIP X SLIP	Charlotte	Charlotte	Each	80	0.3	\$24.00	21 days			0	Each	80	\$ -	\$ -	0	\$ 14.00	\$ 9.60	40.00%
FTG204610	ELL, PVC - SCH 40, 90 DEGREE, 3/4", SLIP X SLIP	Charlotte	Charlotte	Each	400	0.34	\$136.00	21 days			0	Each	400	\$ -	\$ -	0	\$ 68.00	\$ 68.00	50.00%
FTG204615	ELL, PVC - SCH 40, 90 DEGREE, 1" SLIP X SLIP	Charlotte	Charlotte	Each	20	0.43	\$8.60	21 days			0	Each	20	\$ -	\$ -	0	\$ 4.40	\$ 4.20	48.84%
FTG204620	ELL, PVC - SCH 40, 90 DEGREE, 1 1/2", SLIP X SLIP	Charlotte	Charlotte	Each	280	0.61	\$170.80	21 days			0	Each	280	\$ -	\$ -	0	\$ 81.20	\$ 89.60	52.46%
FTG204625	ELL, PVC - SCH 40, 90 DEGREE, 1" X 3/4", 1" SLIP X 3/4" FEMALE PIPE THREAD	Charlotte	Charlotte	Each	12	1.24	\$14.88	21 days			0	Each	12	\$ -	\$ -	0	\$ 4.40	\$ 6.48	43.55%
FTG204627	ELL, STREET 1", PVC, SCH40, 90 DEGREE, FEMALE SLIP X MALE PIPE THREAD.	Charlotte	Charlotte	Each	10	1.29	\$12.90	21 days			0	Each	10	\$ -	\$ -	0	\$ 6.40	\$ 6.50	50.39%
FTG204640	ELL, PVC - SCH 40, 90																		

FTGD0850	TEE, PVC - SCH 40, 2" SLIP X SLIP X SLIP.	Charlotte	Each	18	2.23	\$40.14	21 days		0	Each	18	\$	-	\$	-	0	0	19.44	\$	20.70	51.57%	
FTGD0875	ADAPTER, PIPE - PVC, SCH 80, 1-1/2", SLIP X MALE IRON PIPE THREAD.	Charlotte	Each	202	7.48	\$1,510.96	21 days		0	Each	202	\$	-	\$	-	0	0	981.72	\$	529.24	35.03%	
FTGD0880	ADAPTER, 2" PVC, SCH 80, SLIP X FEMALE IRON PIPE THREAD.	Charlotte	Each	277	14.18	\$3,927.86	21 days		0	Each	277	\$	-	\$	-	0	0	2,601.03	\$	1,326.83	33.78%	
FTGD0881	ADAPTER, 1-1/2" PVC, SCH 80, SLIP X FEMALE IRON PIPE THREAD.	CHARLOTTE PIPE AND FOUNDRY 835-015 ORDER BY DESCRIPTION OBD	Charlotte	Each	231	8.12	\$1,875.72	21 days		0	Each	231	\$	-	\$	-	0	0	1,074.15	\$	801.57	42.73%
FTGD0885	ADAPTER, PIPE - PVC, SCH 80, 2", SLIP X MALE IRON PIPE THREAD.	Charlotte	Each	200	10.87	\$2,174.00	21 days		0	Each	200	\$	-	\$	-	0	0	1,412.00	\$	762.00	35.05%	
FTGD0900	ADAPTER, PIPE - PVC, SCH 80, 3", SLIP X MALE IRON PIPE THREAD.	Charlotte	Each	2	13.65	\$27.30	21 days		0	Each	2	\$	-	\$	-	0	0	17.78	\$	9.52	34.87%	
FTGD0905	ADAPTER, PIPE - PVC, SCH 80, 4", MALE SLIP X MALE IRON PIPE THREAD.	Charlotte	Each	2	24.28	\$48.56	21 days		0	Each	2	\$	-	\$	-	0	0	31.00	\$	16.96	34.93%	
FTGD0910	COUPLING, PVC - SCH 80, 3/4" SLIP X SLIP.	Charlotte	Each	2	2.71	\$5.42	21 days		0	Each	2	\$	-	\$	-	0	0	3.00	\$	2.12	39.11%	
FTGD0912	COUPLING, PVC - SCH 80, 3/4", THREADED.	Charlotte	Each	20	3.18	\$63.60	21 days		0	Each	20	\$	-	\$	-	0	0	36.00	\$	27.60	43.40%	
FTGD0913	COUPLING, PVC - SCH 80, 1", SLIP X SLIP.	Charlotte	Each	6	2.29	\$13.74	21 days		0	Each	6	\$	-	\$	-	0	0	16.50	\$	6.24	37.83%	
FTGD0914	COUPLING, PVC - SCH 80, 1-1/4", SLIP X SLIP.	Charlotte	Each	15	4.23	\$63.45	21 days		0	Each	15	\$	-	\$	-	0	0	44.25	\$	22.20	34.99%	
FTGD0915	COUPLING, PVC - SCH 80, 1-1/2", SLIP X SLIP.	Charlotte	Each	14	4.56	\$63.84	21 days		0	Each	14	\$	-	\$	-	0	0	27.00	\$	15.24	39.51%	
FTGD0916	COUPLING, PVC - SCH 80, 2", SLIP X SLIP.	Charlotte	Each	135	4.52	\$610.20	21 days		0	Each	135	\$	-	\$	-	0	0	283.00	\$	261.90	39.43%	
FTGD0915	COUPLING, PVC - SCH 80, 3", SLIP X SLIP.	Charlotte	Each	13	13.84	\$179.92	21 days		0	Each	13	\$	-	\$	-	0	0	170.16	\$	63.92	34.97%	
FTGD0920	ELL, PVC - SCH 80, 45 DEGREE, 1-1/2", SLIP X SLIP.	Charlotte	Each	7	7.16	\$50.12	21 days		0	Each	7	\$	-	\$	-	0	0	30.17	\$	18.95	39.80%	
FTGD0927	ELL, PVC - SCH 80, 45 DEGREE, 3", SLIP X SLIP.	Charlotte	Each	3	23.73	\$71.19	21 days		0	Each	3	\$	-	\$	-	0	0	48.75	\$	22.44	31.52%	
FTGD0930	ELL, PVC - SCH 80, 90 DEGREE, 3/4", SLIP X SLIP.	Charlotte	Each	8	1.42	\$11.36	21 days		0	Each	8	\$	-	\$	-	0	0	6.72	\$	4.64	40.85%	
FTGD0935	ELL, PVC - SCH 80, 90 DEGREE, 3/4", THREADED.	Charlotte	Each	1	3.18	\$3.18	21 days		0	Each	1	\$	-	\$	-	0	0	1.80	\$	1.38	43.40%	
FTGD0940	ELL, PVC - SCH 80, 90 DEGREE, 1", SLIP X SLIP.	Charlotte	Each	5	2.28	\$11.40	21 days		0	Each	5	\$	-	\$	-	0	0	7.40	\$	4.00	35.09%	
FTGD0950	ELL, PVC - SCH 80, 90 DEGREE, 1-1/4", SLIP X SLIP.	Charlotte	Each	7	3.04	\$21.28	21 days		0	Each	7	\$	-	\$	-	0	0	13.72	\$	7.56	35.53%	
FTGD0960	ELL, PVC - SCH 80, 90 DEGREE, 1-1/2", SLIP X SLIP.	Charlotte	Each	41	3.27	\$134.07	21 days		0	Each	41	\$	-	\$	-	0	0	65.28	\$	48.79	36.99%	
FTGD0970	ELL, PVC - SCH 80, 2", 90 DEGREE, SLIP X SLIP.	Charlotte	Each	102	3.96	\$403.92	21 days		0	Each	102	\$	-	\$	-	0	0	284.58	\$	139.34	29.55%	
FTGD0980	ELL, PVC - SCH 80, 3", 90 DEGREE, SLIP X SLIP.	Charlotte	Each	6	10.35	\$62.10	21 days		0	Each	6	\$	-	\$	-	0	0	39.36	\$	22.74	36.62%	
FTGD0987	TEE, PVC - SCH 80, 2", SLIP X SLIP X SLIP.	Charlotte	Each	5	14.01	\$70.05	21 days		0	Each	5	\$	-	\$	-	0	0	47.00	\$	22.55	32.99%	
FTGD0993	NIPPLE, PVC - SCH 80, 3/4"	Charlotte	Each	14	0.42	\$5.88	21 days		0	Each	14	\$	-	\$	-	0	0	2.34	\$	1.50	40.48%	
FTGD0994	NIPPLE, PVC - SCH 80, 3/4" X 3"	Charlotte	Each	15	0.37	\$5.55	21 days		0	Each	15	\$	-	\$	-	0	0	1.45	\$	2.10	37.84%	
FTGD0998	NIPPLE, PVC - SCH 80, 3/4" X 5"	Charlotte	Each	10	0.45	\$4.50	21 days		0	Each	10	\$	-	\$	-	0	0	1.60	\$	2.70	40.02%	
FTGD0999	NIPPLE, PVC - SCH 80, 3/4" X 6" THREADED.	Charlotte	Each	20	0.54	\$10.80	21 days		0	Each	20	\$	-	\$	-	0	0	4.80	\$	4.00	37.04%	
FTGD0999	NIPPLE, PVC - SCH 80, 1" X 4", THREADED.	Charlotte	Each	20	0.59	\$11.80	21 days		0	Each	20	\$	-	\$	-	0	0	7.60	\$	4.20	35.59%	
FTGD0999	NIPPLE, PVC - SCH 80, 1" X 6", THREADED.	Charlotte	Each	10	0.29	\$2.90	21 days		0	Each	10	\$	-	\$	-	0	0	1.10	\$	3.20	39.24%	
FTGD0999	NIPPLE, PVC - SCH 80, 1" X 8", THREADED.	Charlotte	Each	3	2.32	\$6.96	21 days		0	Each	3	\$	-	\$	-	0	0	4.20	\$	2.76	39.66%	
FTGD0999	NIPPLE, PVC - SCH 80, 1" X 12", THREADED.	Charlotte	Each	4	2.88	\$11.52	21 days		0	Each	4	\$	-	\$	-	0	0	7.48	\$	4.04	35.07%	
FTGD0999	NIPPLE, PVC - SCH 80, 1-1/4" X 12", THREADED.	Charlotte	Each	8	4.14	\$33.12	21 days		0	Each	8	\$	-	\$	-	0	0	11.76	\$	35.51%		
FTGD0999	NIPPLE, PVC - SCH 80, 1-1/2" X 4"	Charlotte	Each	3	1.92	\$5.76	21 days		0	Each	3	\$	-	\$	-	0	0	5.72	\$	2.04	35.42%	
FTGD0999	NIPPLE, PVC - SCH 80, 1-1/2" X 6"	Charlotte	Each	2	2.39	\$4.78	21 days		0	Each	4	\$	-	\$	-	0	0	3.36	\$	3.36	35.51%	
FTGD0999	NIPPLE, PVC - SCH 80, 1-1/2" X 12"	Charlotte	Each	219	4.78	\$1,046.82	21 days		0	Each	219	\$	-	\$	-	0	0	635.10	\$	411.72	39.31%	
FTGD0999	NIPPLE, PVC - SCH 80, 2" X 4"	Charlotte	Each	15	2.29	\$34.35	21 days		0	Each	15	\$	-	\$	-	0	0	20.85	\$	13.50	39.20%	
FTGD0999	NIPPLE, PVC - SCH 80, 2" X 6"	Charlotte	Each	15	3	\$45.00	21 days		0	Each	15	\$	-	\$	-	0	0	29.25	\$	15.75	35.05%	
FTGD0999	NIPPLE, PVC - SCH 80, 2" X 12"	Charlotte	Each	195	6.33	\$1,234.35	21 days		0	Each	195	\$	-	\$	-	0	0	799.50	\$	538.20	39.23%	
FTGD0999	BEND, PVC - SDR26, 22-1/2 DEGREE, 4", BELL X SPIGOT, SPIGOT TO BE FULL CHAMFERED, BELL TO BE GASKETED.	Multi-Fittings	Each	160	16.76	\$2,681.60	21 days		0	Each	160	\$	25.86	\$	4,137.60	56.72	N/A	\$2,335.20	\$	446.40	16.65%	
FTGD0999	BEND, PVC - SDR26, 22-1/2 DEGREE, 6", BELL X BELL, BOTH BELL ENDS TO BE GASKETED.	Multi-Fittings	Each	119	32.97	\$3,923.43	21 days		0	Each	119	\$	50.87	\$	6,051.53	56.72	N/A	\$3,176.11	\$	747.32	19.05%	
FTGD0999	BEND, PVC - SDR26, 22-1/2 DEGREE, 6", BELL X SPIGOT, SPIGOT TO BE CHAMFERED, BELL TO BE GASKETED.	Multi-Fittings	Each	230	31.58	\$7,263.40	21 days		0	Each	230	\$	48.72	\$	11,205.60	56.72	N/A	\$5,878.80	\$	1,384.60	19.06%	
FTGD0999	BEND, PVC - SDR26, 22.5 DEGREE, 8", BELL X SPIGOT, SPIGOT TO BE CHAMFERED, BELL TO BE GASKETED.	Multi-Fittings	Each	3	58.6	\$175.80	21 days		0	Each	3	\$	90.39	\$	271.17	56.72	N/A	\$129.75	\$	46.05	26.99%	
FTGD0999	BEND, PVC - SDR 26, 45 DEGREE, 4", BELL X BELL, BOTH ENDS GASKETED.	Multi-Fittings	Each	140	13.2	\$1,848.00	21 days		0	Each	140	\$	20.37	\$	2,851.80	56.72	N/A	\$1,584.00	\$	263.20	14.24%	
FTGD0999	BEND, PVC - SDR 26, 45 DEGREE, 6", BELL X BELL, BOTH ENDS GASKETED.	Multi-Fittings	Each	210	24.19	\$5,079.90	21 days		0	Each	210	\$	37.32	\$	7,837.20	56.72	N/A	\$4,105.50	\$	974.40	19.18%	
FTGD0999	BEND, PVC - SDR26, 45 DEGREE, 6", BELL X SPIGOT, SPIGOT TO BE CHAMFERED, BELL TO BE GASKETED.	Multi-Fittings	Each	290	17.87	\$5,182.30	21 days		0	Each	290	\$	27.57	\$	7,995.30	56.72	N/A	\$4,071.60	\$	1,110.70	21.43%	
FTGD0999	BEND, PVC - SDR26, 45 DEGREE, 8", BELL X SPIGOT, SPIGOT TO BE CHAMFERED, BELL TO BE GASKETED.	Multi-Fittings	Each	4	60.1	\$240.40	21 days		0	Each	4	\$	92.73	\$	370.92	56.72	N/A	\$181.16	\$	57.24	23.81%	
FTGD0999	BEND, PVC - SDR26, 90 DEGREE, 4", BELL X SPIGOT, SPIGOT TO BE CHAMFERED, BELL TO BE GASKETED.	Multi-Fittings	Each	3	23.41	\$70.23	21 days		0	Each	3	\$	36.13	\$	108.39	56.72	N/A	\$55.20	\$	15.03	21.40%	
FTGD0999	BEND, PVC - SDR26, 90 DEGREE, 6", BELL X SPIGOT, SPIGOT TO BE CHAMFERED, BELL TO BE GASKETED.	Multi-Fittings	Each	4	24.39	\$97.56	21 days		0	Each	4	\$	37.62	\$	150.48	56.72	N/A	\$79.96	\$	26.60	27.67%	
FTGD0999	BEND, PVC - SDR26, 90 DEGREE, 8", BELL X SPIGOT, SPIGOT TO BE CHAMFERED, BELL TO BE GASKETED.	Multi-Fittings	Each	14	27.55	\$385.70	21 days		0	Each	14	\$	42.51	\$	595.14	56.72	N/A	\$324.44	\$	64.26	16.23%	
FTGD0999	CAP, PVC - SDR26, 6" BELL TO BE GASKETED.	THE HARRINGTON CORP (HARC0) 337-660	Each	2	81.8	\$163.60	21 days		0	Each	2	\$	-	\$	-	0	0	122.66	\$	40.94	25.02%	
FTGD0999	COUPLING, PVC - 6" COUPLING TO FIT SDR 26 CO ON ONE END AND C900 ON THE OTHER, COUPLING TO BE BELLED & GASKETED ON BOTH ENDS.	THE HARRINGTON CORP (HARC0) 337-660	Each	2	81.8	\$163.60	21 days		0	Each	2	\$	-	\$	-	0	0	122.66	\$	40.94	25.02%	
FTGD0999	PLUG, PVC - SDR 26, 6", SLIP.	Multi-Fittings	Each	300	21.47	\$6,441.00	21 days		0	Each	300	\$	33.14	\$	9,942.00	56.72	N/A	\$4,908.00	\$	1,533.00	23.00%	
FTGD0999	PLUG, PVC - SDR 26, 8", SLIP.	Multi-Fittings	Each	17	37.95	\$645.15	21 days		0	Each	17	\$	58.54	\$	995.18	56.72	N/A	\$422.91	\$	122.91	19.60%	
FTGD0999	TEE, PVC - SDR26, 4", SANITARY SEWER TEE, BELL X BELL X BELL, ALL BELLS TO BE GASKETED.	Multi-Fittings	Each	15	31.14	\$467.10	21 days		0	Each	15	\$	48.04	\$	720.60	56.72	N/A	\$367.05	\$	100.05	21.42%	
FTGD0999	TEE, PVC - SDR26, 6", SANITARY SEWER TEE, BELL X BELL X BELL, ALL BELLS TO BE GASKETED.	Multi-Fittings	Each	30	42.61	\$1,278.30	21 days		0	Each	30	\$	65.75	\$	1,972.50	56.72	N/A	\$1,095.90	\$	180.40	14.27%	
FTGD0999	TEE, PVC - SDR26, 8" X 6", SANITARY SEWER TEE, BELL X BELL X BELL, ALL BELLS TO BE GASKETED.	Multi-Fittings	Each	25	59.88	\$1,497.00	21 days		0	Each	25	\$	92.30	\$	2,309.75	56.72	N/A	\$1,283.25	\$	213.75	14.28%	
FTGD0999	WYE, PVC - SDR26, 4" X 4" X 4", BELL X BELL X BELL, ALL BELLS TO BE GASKETED.																					















PFBE400	ELBOW, 45 DEGREE, 2" DIA, SCH 80 PVC, SXS	Charlotte	Each	10	9.28	\$92.80	21 days	0	Each	10	\$	-	\$	-	0	0	0	55.40	\$	37.40	40.30%
PFBE400	ELBOW, 90 DEGREE, 2" DIA, SCH 80 PVC, SXS	Charlotte	Each	10	3.96	\$39.60	21 days	0	Each	10	\$	-	\$	-	0	0	0	24.30	\$	15.30	38.64%
PFBE350	ELBOW, 90 DEGREE, 3" DIA, SCH 80 PVC, SXS	Charlotte	Each	5	10.35	\$51.75	21 days	0	Each	5	\$	-	\$	-	0	0	0	32.80	\$	18.95	36.22%
PFBE600	ELBOW, 90 DEGREE, 4" DIA, SCH 80 PVC, SXS	Charlotte	Each	1	15.73	\$15.73	21 days	0	Each	1	\$	-	\$	-	0	0	0	9.23	\$	6.50	41.32%
PFBA350	FLANGE, 1 1/2" DIA, SCH 80 PVC, BLIND	Charlotte	Each	1	66	\$66.00	21 days	0	Each	1	\$	-	\$	-	0	0	0	13.95	\$	52.05	78.86%
PFBA350	FLANGE, 2" DIA, SCH 80 PVC, BLIND	Charlotte	Each	1	49.69	\$49.69	21 days	0	Each	1	\$	-	\$	-	0	0	0	27.41	\$	22.28	44.81%
PFBA600	FLANGE, 4" DIA, SCH 80 PVC, BLIND	Charlotte	Each	1	61.89	\$61.89	21 days	0	Each	1	\$	-	\$	-	0	0	0	31.15	\$	27.74	44.82%
PFBC400	FLANGE, 2" DIA., SLP., VANSTONE, SCH 80 PVC	Charlotte	Each	10	10.06	\$100.60	21 days	0	Each	10	\$	-	\$	-	0	0	0	55.50	\$	45.10	44.83%
PFBC500	FLANGE, 3" DIA, SLP., VANSTONE, SCH 80 PVC, SLP.	Charlotte	Each	7	17.17	\$120.19	21 days	0	Each	7	\$	-	\$	-	0	0	0	66.20	\$	53.90	44.85%
PFBA150	PLUG, 1/2" DIA, SCH 80 PVC, THREADED	Charlotte	Each	1	1.88	\$1.88	21 days	0	Each	1	\$	-	\$	-	0	0	0	1.04	\$	0.84	44.85%
PFBC250	TEE, 1" DIA, SCH 80 PVC, SXS	Charlotte	Each	10	4.68	\$46.80	21 days	0	Each	10	\$	-	\$	-	0	0	0	24.60	\$	16.20	39.71%
PFBC600	TEE, 4" DIA, SCH 80 PVC, SXS	Charlotte	Each	1	22.17	\$22.17	21 days	0	Each	1	\$	-	\$	-	0	0	0	14.07	\$	8.10	36.54%
PFBA400	UNION, 2" DIA, SCH 80 PVC, SXS	Charlotte	Each	7	17.88	\$125.16	21 days	0	Each	7	\$	-	\$	-	0	0	0	69.02	\$	56.14	44.85%
PFCA400	ADAPTER, MALE, 2" DIA, SCH 80 CPVC, SXT	Charlotte	Each	1	13.41	\$13.41	21 days	0	Each	1	\$	-	\$	-	0	0	0	9.55	\$	3.86	28.78%
PFQC350	COUPLING, 1 1/2" DIA, 3M FORGED STEEL, THREADED	Phoenix	Each	3	6.75	\$20.25	21 days	0	Each	3	\$	-	\$	-	0	0	0	25.65	\$	(5.40)	-26.76%
PFFA600	FLANGE, 4" DIA, 150# FORGED STEEL, BLIND	Phoenix	Each	1	25.58	\$25.58	21 days	0	Each	1	\$	-	\$	-	0	0	0	19.65	\$	5.93	23.18%
PFFA700	FLANGE, 6" DIA, 150# FORGED STEEL, BLIND	Phoenix	Each	1	39.04	\$39.04	21 days	0	Each	1	\$	-	\$	-	0	0	0	31.70	\$	7.34	38.80%
PFFF350	FLANGE, 3" DIA, 150# CARBON STEEL, THREADED	Phoenix	Each	1	22.21	\$22.21	21 days	0	Each	1	\$	-	\$	-	0	0	0	18.80	\$	3.41	15.35%
PFNA112	NIPPLE, 3/8" DIA X 3" LG SCH 80 BLACK STEEL, THREADED, 'A106 GRADE B'	Phoenix	Each	1	4.45	\$4.45	21 days	0	Each	1	\$	-	\$	-	0	0	0	4.45	\$	-	0.00%
PFNA156	NIPPLE, 3" DIA X 5" LG SCH 80 BLACK STEEL, THREADED, 'A106 GRADE B'	Phoenix	Each	1	24.46	\$24.46	21 days	0	Each	1	\$	-	\$	-	0	0	0	25.45	\$	(0.99)	-4.05%
PFPTA200	TEE, 3/4" DIA, 3000 LB PSI, FORGED STEEL, THREADED	Phoenix	Each	1	9.12	\$9.12	21 days	0	Each	1	\$	-	\$	-	0	0	0	11.40	\$	1.02	11.18%
PFNG200	COUPLING, 3/4" DIA 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	4	3.19	\$12.76	21 days	0	Each	4	\$	-	\$	-	0	0	0	8.10	\$	1.36	10.60%
PFNEA250	ELBOW, 45 DEGREE, 1" DIA, 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	1	9.49	\$9.49	21 days	0	Each	1	\$	-	\$	-	0	0	0	8.40	\$	1.09	11.49%
PFNEA400	ELBOW, 45 DEGREE, 2" DIA, 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	10	23.8	\$238.00	21 days	0	Each	10	\$	-	\$	-	0	0	0	226.50	\$	11.50	4.83%
PFNEF350	ELBOW, 90 DEGREE, 1 1/2" DIA, 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	10	13.98	\$139.80	21 days	0	Each	10	\$	-	\$	-	0	0	0	123.50	\$	16.30	11.66%
PFNEF400	ELBOW, 90 DEGREE, 2" DIA, 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	2	17.62	\$35.24	21 days	0	Each	2	\$	-	\$	-	0	0	0	36.30	\$	(1.06)	-3.01%
PFNFA250	FLANGE, 1" DIA, 150# FORGED STEEL, SOCKET WELD RAISED FACE	Phoenix	Each	1	23.63	\$23.63	21 days	0	Each	1	\$	-	\$	-	0	0	0	11.71	\$	11.91	49.60%
PFNFA350	FLANGE, 1 1/2" DIA, 150# CARBON STEEL, SOCKET WELD RAISED FACE	Phoenix	Each	1	23.63	\$23.63	21 days	0	Each	1	\$	-	\$	-	0	0	0	10.73	\$	10.73	45.41%
PFNFA400	FLANGE, 2" DIA, 150# FORGED STEEL, SOCKET WELD RAISED FACE	Phoenix	Each	2	19.57	\$39.14	21 days	0	Each	2	\$	-	\$	-	0	0	0	37.22	\$	12.92	33.01%
PFNFA450	FLANGE, 2 1/2" DIA, 150# FORGED STEEL, SOCKET WELD RAISED FACE	Phoenix	Each	1	34.49	\$34.49	21 days	0	Each	1	\$	-	\$	-	0	0	0	17.66	\$	16.83	48.80%
PFNFA600	FLANGE, 4" DIA, 150# FORGED STEEL, SOCKET WELD RAISED FACE	Phoenix	Each	1	31.98	\$31.98	21 days	0	Each	1	\$	-	\$	-	0	0	0	21.75	\$	10.23	31.99%
PFNFA700	FLANGE, 6" DIA, 150# CARBON STEEL, SOCKET WELD RAISED FACE	Phoenix	Each	4	69.5	\$278.00	21 days	0	Each	4	\$	-	\$	-	0	0	0	142.88	\$	135.12	48.60%
PFNR250	FLANGE, 1" DIA, 300# FORGED STEEL, SOCKET WELD RAISED FACE	Phoenix	Each	1	29.8	\$29.80	21 days	0	Each	1	\$	-	\$	-	0	0	0	15.06	\$	14.74	49.65%
PFNRA206	REDUCER, 3/4" DIA X 1 1/2" DIA 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	1	8.75	\$8.75	21 days	0	Each	1	\$	-	\$	-	0	0	0	7.75	\$	1.00	11.43%
PFNRA256	REDUCER, 1" DIA X 3/4" DIA 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	1	12.22	\$12.22	21 days	0	Each	1	\$	-	\$	-	0	0	0	10.80	\$	1.42	11.62%
PFNRA357	REDUCER, 1 1/2" DIA X 1" DIA 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	1	14.34	\$14.34	21 days	0	Each	1	\$	-	\$	-	0	0	0	14.80	\$	(0.46)	-3.21%
PFNTA200	TEE, 3/4" DIA 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	1	7.09	\$7.09	21 days	0	Each	1	\$	-	\$	-	0	0	0	6.70	\$	0.79	11.14%
PFNTA350	TEE, 1" DIA 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	3	8.55	\$25.65	21 days	0	Each	3	\$	-	\$	-	0	0	0	25.65	\$	-	0.00%
PFNUA150	UNION, 1/2" DIA 3M FORGED STEEL, SOCKET WELD	Phoenix	Each	1	9.58	\$9.58	21 days	0	Each	1	\$	-	\$	-	0	0	0	8.50	\$	1.08	11.27%
PFQA102	BUSHING, 3/8" X 1/8" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	34	2.17	\$73.78	21 days	0	Each	34	\$	-	\$	-	0	0	0	61.20	\$	12.58	17.05%
PFQA152	BUSHING, 1/2" X 1/8" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	12	3.29	\$39.48	21 days	0	Each	12	\$	-	\$	-	0	0	0	21.00	\$	17.88	45.29%
PFQA204	BUSHING, 3/4" X 3/8" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	20	3.77	\$75.40	21 days	0	Each	20	\$	-	\$	-	0	0	0	41.40	\$	34.00	45.09%
PFQA254	BUSHING, 1" X 3/8" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	10	6.31	\$63.10	21 days	0	Each	10	\$	-	\$	-	0	0	0	34.60	\$	28.50	45.17%
PFQA256	BUSHING, 1" X 3/4" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	50	3.45	\$172.50	21 days	0	Each	50	\$	-	\$	-	0	0	0	94.00	\$	78.50	45.51%
PFQA307	BUSHING, 1 1/4" X 1" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	7	4.65	\$32.55	21 days	0	Each	7	\$	-	\$	-	0	0	0	17.15	\$	15.40	47.31%
PFQA356	BUSHING, 1 1/2" X 3/4" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	9	6.75	\$60.75	21 days	0	Each	9	\$	-	\$	-	0	0	0	31.95	\$	28.80	47.41%
PFQA407	BUSHING, 1 3/4" X 1" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	1	7.41	\$7.41	21 days	0	Each	1	\$	-	\$	-	0	0	0	3.95	\$	3.46	46.69%
PFQA400	CAP, 1/8" DIA, MALLEABLE SCH 40 GALVANIZED, THREADED	Ward	Each	13	2.17	\$28.21	21 days	0	Each	13	\$	-	\$	-	0	0	0	15.47	\$	12.74	45.16%
PFQA450	CAP, 1/4" DIA, MALLEABLE SCH 40 GALVANIZED, THREADED	Ward	Each	22	2.17	\$47.74	21 days	0	Each	22	\$	-	\$	-	0	0	0	25.18	\$	21.56	45.16%
PFQE150	ELBOW, 45 DEGREE, 1/2" DIA, SCH 40 GALVANIZED, THREADED	Ward	Each	18	2.41	\$43.38	21 days	0	Each	18	\$	-	\$	-	0	0	0	22.86	\$	20.52	47.30%
PFQE300	ELBOW, 90 DEGREE, 1 1/4" DIA, SCH 40 GALVANIZED, THREADED	Ward	Each	5	5.38	\$26.90	21 days	0	Each	5	\$	-	\$	-	0	0	0	14.25	\$	12.65	47.03%
PFQE350	ELBOW, 90 DEGREE, 1 1/2" DIA, SCH 40 GALVANIZED, THREADED	Ward	Each	10	7.09	\$70.90	21 days	0	Each	10	\$	-	\$	-	0	0	0	38.00	\$	32.90	46.40%
PFQE400	ELBOW, 90 DEGREE, 2" DIA, SCH 40 GALVANIZED, THREADED	Ward	Each	11	11.8	\$129.80	21 days	0	Each	11	\$	-	\$	-	0	0	0	69.30	\$	60.50	46.61%
PFQE200	ELBOW, 90 DEGREE, STREET, 3/4" DIA, SCH 40 GALVANIZED, THREADED	Ward	Each	1	3.2	\$3.20	21 days	0	Each	1	\$	-	\$	-	0	0	0	1.70	\$	1.50	46.88%
PFQN010	NIPPLE, 1/8" DIA X 2" LG, SCH 40 GALVANIZED, THREADED	Ward	Each	22	1.45	\$31.90	21 days	0	Each	22	\$	-	\$	-	0	0	0	16.72	\$	15.18	47.59%
PFQN011	NIPPLE, 1/8" DIA X 2 1/2" LG SCH 40 GALVANIZED, THREADED	Ward	Each	7	1.91	\$13.37	21 days	0	Each	7	\$	-	\$	-	0	0	0	7.07	\$	6.30	47.12%
PFQN063	NIPPLE, 1/4" DIA X 3 1/2" LG SCH 40 GALVANIZED, THREADED	Ward	Each	13	2.06	\$26.78	21 days	0	Each	13	\$	-	\$	-	0	0	0	14.17	\$	12.61	47.09%
PFQN066	NIPPLE, 1/4" DIA X 5" LG SCH 40 GALVANIZED, THREADED	Ward	Each	7	2.81	\$19.67	21 days	0	Each	7	\$	-	\$	-	0	0	0	10.43	\$	9.24	46.58%
PFQN068	NIPPLE, 1/4" DIA X 6" LG SCH 40 GALVANIZED, THREADED	Ward	Each	42	3.14	\$131.88	21 days	0	Each	42	\$	-	\$	-	0	0	0	69.72	\$	62.16	47.13%
PFQN164	NIPPLE, 1/2" DIA X 4" LG SCH 40 GALVANIZED, THREADED	Ward	Each	20	1.51	\$30.20	21 days	0	Each	20	\$	-	\$	-	0	0	0	16.00	\$	14.20	47.02%
PFQN168	NIPPLE, 1/2" DIA X 6" LG SCH 40 GALVANIZED, THREADED																				

PFQNA363	NIPPLE, 1 1/2" DIA X 3 1/2" LG SCH 40 GALVANIZED, THREADED	Ward	Each	11	3.93	\$43.23	21 days	0	Each	11	\$	-	\$	-	0	0	22.77	\$	20.46	47.33%	
PFQNA364	NIPPLE, 1 1/2" DIA X 4" LG SCH 40 GALVANIZED, THREADED	Ward	Each	2	3.53	\$7.06	21 days	0	Each	2	\$	-	\$	-	0	0	4.16	\$	3.70	47.07%	
PFQNA365	NIPPLE, 1 1/2" DIA X 1/2" LG SCH 40 GALVANIZED, THREADED	Ward	Each	1	4.74	\$4.74	21 days	0	Each	1	\$	-	\$	-	0	0	2.50	\$	2.24	47.26%	
PFQNA367	NIPPLE, 1 1/2" DIA X 5 1/2" LG SCH 40 GALVANIZED, THREADED	Ward	Each	7	5.32	\$37.24	21 days	0	Each	7	\$	-	\$	-	0	0	19.74	\$	17.50	46.90%	
PFQNA401	NIPPLE, 2" DIA X CLOSE SCH 40 GALVANIZED, THREADED	Ward	Each	10	3.65	\$36.50	21 days	0	Each	10	\$	-	\$	-	0	0	19.30	\$	17.20	47.12%	
PFQNA412	NIPPLE, 2" DIA X 3" LG SCH 40 GALVANIZED, THREADED	Ward	Each	11	4.11	\$45.21	21 days	0	Each	11	\$	-	\$	-	0	0	23.87	\$	21.34	47.20%	
PFQNA413	NIPPLE, 2" DIA X 3 1/2" LG SCH 40 GALVANIZED, THREADED	Ward	Each	10	4.99	\$49.90	21 days	0	Each	10	\$	-	\$	-	0	0	26.40	\$	23.50	47.09%	
PFQNA414	NIPPLE, 2" DIA X 4" LG SCH 40 GALVANIZED, THREADED	Ward	Each	3	4.99	\$14.97	21 days	0	Each	3	\$	-	\$	-	0	0	7.95	\$	7.02	46.89%	
PFQNA415	NIPPLE, 2" DIA X 1 1/2" LG SCH 40 GALVANIZED, THREADED	Ward	Each	5	6.36	\$31.80	21 days	0	Each	5	\$	-	\$	-	0	0	16.90	\$	14.90	46.86%	
PFQNA417	NIPPLE, 2" DIA X 5 1/2" LG SCH 40 GALVANIZED, THREADED	Ward	Each	10	7.4	\$74.00	21 days	0	Each	10	\$	-	\$	-	0	0	39.10	\$	34.90	47.16%	
PFQNA418	NIPPLE, 2" DIA X 6" LG SCH 40 GALVANIZED, THREADED	Ward	Each	7	7.4	\$51.80	21 days	0	Each	7	\$	-	\$	-	0	0	27.51	\$	24.29	46.89%	
PFQRA400	PLUG, 2" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	7	6.49	\$45.43	21 days	0	Each	7	\$	-	\$	-	0	0	24.85	\$	20.58	45.30%	
PFQRA253	REDUCER COUPLING, 1" X 1 1/4", SCH 40, GALVANIZED, THREADED	Ward	Each	13	5.12	\$66.56	21 days	0	Each	13	\$	-	\$	-	0	0	35.10	\$	31.46	47.27%	
PFQRA255	REDUCER COUPLING, 1" X 1/2", SCH 40 GALVANIZED, THREADED	Ward	Each	11	4.25	\$46.75	21 days	0	Each	11	\$	-	\$	-	0	0	25.63	\$	21.12	45.18%	
PFQRA356	REDUCER COUPLING, 1 1/4" X 3/4", SCH 40, GALVANIZED, THREADED, 150 #	Ward	Each	10	6.98	\$69.80	21 days	0	Each	10	\$	-	\$	-	0	0	38.10	\$	33.70	45.42%	
PFQRA407	REDUCER COUPLING, 2" X 1 1/2", SCH 40, GALVANIZED, THREADED	Ward	Each	8	9.5	\$76.00	21 days	0	Each	8	\$	-	\$	-	0	0	40.16	\$	35.84	47.16%	
PFQRA408	REDUCER COUPLING, 2" X 1 1/4", SCH 40, GALVANIZED, THREADED	Ward	Each	5	10.05	\$50.25	21 days	0	Each	5	\$	-	\$	-	0	0	26.10	\$	23.75	47.26%	
PFQRA460	REDUCER COUPLING, 2 1/2" X 2", SCH 40, GALVANIZED, THREADED	Ward	Each	5	29.39	\$146.95	21 days	0	Each	5	\$	-	\$	-	0	0	80.45	\$	66.50	45.25%	
PFQTA300	TEE, 1 1/4" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	3	8.16	\$24.48	21 days	0	Each	3	\$	-	\$	-	0	0	13.41	\$	11.07	45.22%	
PFQTA400	TEE, 2" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	3	16.99	\$50.97	21 days	0	Each	3	\$	-	\$	-	0	0	27.91	\$	23.04	45.20%	
PFQQA300	UNION, 1 1/4" DIA, GALVANIZED, THREADED, 150 # SCH 40	Ward	Each	3	14.2	\$42.60	21 days	0	Each	3	\$	-	\$	-	0	0	23.34	\$	19.26	45.21%	
PFQQA350	UNION, 1-1/2" DIA, GALVANIZED, 150 # SCH 40 THREADED	Ward	Each	20	18.19	\$363.80	21 days	0	Each	20	\$	-	\$	-	0	0	199.00	\$	164.80	45.30%	
PFQQA400	UNION, 2" DIA SCH 40 GALVANIZED, THREADED	Ward	Each	18	24.29	\$437.22	21 days	0	Each	18	\$	-	\$	-	0	0	253.80	\$	183.42	41.95%	
PF5BA154	BUSHING, 1/2" X 3/8" DIA 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	1	1.99	\$1.99	21 days	0	Each	1	\$	-	\$	-	0	0	1.38	\$	0.41	20.60%	
PF5BA205	BUSHING, 3/4" X 1/2" DIA 316 STAINLESS STEEL SCH 40, THREADED	Merit Brass	Each	1	2.96	\$2.96	21 days	0	Each	1	\$	-	\$	-	0	0	2.55	\$	0.61	20.61%	
PF5BA255	BUSHING, 1" X 1/2" DIA 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	3	4.24	\$12.72	21 days	0	Each	3	\$	-	\$	-	0	0	10.08	\$	2.64	20.75%	
PF5BA407	BUSHING, 2" X 1 1/4" DIA 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	1	13.9	\$13.90	21 days	0	Each	1	\$	-	\$	-	0	0	11.00	\$	2.90	20.86%	
PF5F200	ELBOW, 90 DEGREE, 3/4" DIA, 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	4	5.04	\$20.16	21 days	0	Each	4	\$	-	\$	-	0	0	16.96	\$	4.20	20.83%	
PF5F400	ELBOW, 90 DEGREE, 2" DIA, 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	1	18.3	\$18.30	21 days	0	Each	1	\$	-	\$	-	0	0	14.50	\$	3.80	20.77%	
PF5FD400	FLANGE, 2" DIA, 316 STAINLESS STEEL 150# SCH 40, THREADED, RAISED FACE	Merit Brass	Each	3	60.06	\$180.18	21 days	0	Each	3	\$	-	\$	-	0	0	99.90	\$	80.28	44.56%	
PF5NA260	NIPPLE, 1" DIA X 2" LG 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	7	3.35	\$23.45	21 days	0	Each	7	\$	-	\$	-	0	0	14.35	\$	9.10	38.81%	
PF5NA262	NIPPLE, 1" DIA X 2 1/2" LG 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	4	4.7	\$18.80	21 days	0	Each	4	\$	-	\$	-	0	0	14.48	\$	4.32	22.98%	
PF5PB050	PLUG, SQUARE HEAD, 3/4", 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	1	1.2	\$1.20	21 days	0	Each	1	\$	-	\$	-	0	0	0.95	\$	0.25	20.83%	
PF5PB200	PLUG, SQUARE HEAD, 3/4" DIA 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	1	2.73	\$2.73	21 days	0	Each	1	\$	-	\$	-	0	0	2.15	\$	0.58	21.25%	
PF5PB250	PLUG, SQUARE HEAD, 1" DIA 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	1	3.41	\$3.41	21 days	0	Each	1	\$	-	\$	-	0	0	2.71	\$	0.70	20.53%	
PF5TA250	TEE, 1" DIA 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	3	8.34	\$25.02	21 days	0	Each	3	\$	-	\$	-	0	0	19.80	\$	6.40	21.14%	
PF5UA100	UNION, 1/2" DIA 316 SS, THREADED	Merit Brass	Each	1	8.56	\$8.56	21 days	0	Each	1	\$	-	\$	-	0	0	6.40	\$	2.11	24.65%	
PF5UA400	UNION, 2" DIA 316 STAINLESS STEEL, SCH 40, THREADED	Merit Brass	Each	1	38.36	\$38.36	21 days	0	Each	1	\$	-	\$	-	0	0	28.90	\$	9.46	24.66%	
PF5S002	PIPE, 2" SCH 40, 310 STAINLESS STEEL, ACCEPTABLE LENGTH MAY VARY FROM 20 TO 23 FEET, ORDER BY 1 EACH = 1 SECTION OF PIPE.	SANDVIK BY DESCRIPTION TELL METALS BY DESCRIPTION	Each	1	2500	\$2,500.00	12 weeks	0	Each	1	\$	-	\$	-	0	0	1,000.00	\$	1,500.00	60.00%	
PF1PH001	PIPE, 12" X 20" X .375" THICKNESS, ULTRA 600 HARDENED, FOR THE LIMESTONE PNEUMATIC TRANSPORT SYSTEM, A, B, AND C TRAINS	EDGEN MURRAY CORP 12" X 20" ULTRA 600	Each	20	8000	\$160,000.00	12 weeks	0	Each	20	\$	-	\$	-	0	0	140,000.00	\$	20,000.00	12.50%	
PFMPA200	PUMP, SLUMP, SUBMERSIBLE -1/2 HP WITH VERTICAL SWITCH, 8" CORD MINIMUM, 115V AC 60 CYCLE, 50 GAL PER MINUTE, ** NO SUBSTITUTE **	MYERS PUMP M550P10 MYERS PUMP M5C150V20	Each	10	350	\$3,500.00	16 weeks	0	Each	20	\$	-	\$	-	0	0	744.00	\$	606.00	44.89%	
PFMRP001	PUMP, UTILITY HAND, WITH 72" HOSE	KING INNOVATION 48072	Each	30	45	\$1,350.00	14 days	0	Each	30	\$	-	\$	-	0	0	1,330.00	\$	2,170.00	62.00%	
PFEDU030	PIPE, DUCTILE IRON, 3", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM	US Pipe	Foot	90	123.27	\$11,094.30	16 weeks	18	0	Feet	90	\$	-	\$	-	0	4,464.00	\$	6,630.30	59.76%	
PFEDU040	PIPE, DUCTILE IRON, 4", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM	ACIPCO	Foot	18	30.03	\$540.54	28 days	20	0	Feet	18	\$	-	\$	-	0	0	391.48	\$	147.06	27.21%
PFEDU060	PIPE, DUCTILE IRON, 6", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM	ACIPCO	Foot	246	22.98	\$5,653.08	28 days	20	0	Feet	246	\$	-	\$	-	0	0	4,113.12	\$	1,539.96	37.44%
PFEDU080	PIPE, DUCTILE IRON, 8", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 OR 20 FOOT LENGTHS	ACIPCO	Foot	80	30.26	\$2,420.80	28 days	20	0	Feet	80	\$	-	\$	-	0	0	1,760.80	\$	660.00	27.26%
PFEDU100	PIPE, DUCTILE IRON, 10", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM	ACIPCO	Foot	18	36.12	\$650.16	28 days	20	0	Feet	18	\$	-	\$	-	0	0	472.68	\$	177.48	27.30%
PFEDU120	PIPE, DUCTILE IRON, 12", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM	ACIPCO	Foot	80	46.38	\$3,710.40	28 days	20	0	Feet	80	\$	-	\$	-	0	0	2,697.60	\$	1,013.80	37.30%
PFEDU160	PIPE, DUCTILE IRON, 16", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM	ACIPCO	Foot	23	66.57	\$1,531.11	28 days	20	0	Feet	23	\$	-	\$	-	0	0	1,113.20	\$	417.91	27.29%
PFEDU200	PIPE, DUCTILE IRON, 20", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM	ACIPCO	Foot	1	91.35	\$91.35	28 days	20	0	Feet	1	\$	-	\$	-	0	0	66.43	\$	24.92	27.28%
PFEDU240	PIPE, DUCTILE IRON, 24", SLP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM	ACIPCO	Foot	27	109.77	\$2,963.79	28 days	20	0	Feet	27	\$	-	\$	-	0	0	2,155.14	\$	808.65	27.28%
PFREG024	PIPE, GALVANIZED - 1/2", MIPT X FIPT, 21 FOOT LENGTHS	Wheatland	Foot	7	1.71	\$11.97	28 days	21	0	Feet	7	\$	-	\$	-	0	0	5.60	\$	6.37	53.22%
PFREG124	PIPE, GALVANIZED - 1 1/2", THREADED & COUPLED, 21 FT LENGTHS	Wheatland	Foot	3192	4.94	\$15,768.48	28 days	21	0	Feet	3192	\$	-	\$	-	0	0	8,618.40	\$	7,150.08	45.34%
PFREG200	PIPE, GALVANIZED - 2", MIPT X FIPT, 21 FOOT LENGTHS	Wheatland	Foot	126	7.02	\$884.52	28 days	21	0	Feet	126	\$	-	\$	-	0	0	431.20	\$	54.26	12.59%
PFREG224	PIPE, GALVANIZED - 2 1/2", MIPT X FIPT, 21 FOOT LENGTHS	Wheatland	Foot	1	11.6	\$11.60	28 days	21	0	Feet	1	\$	-	\$	-	0	0	9.36	\$	6.24	53.79%
PFPEV040	PIPE, PVC, DR18 - 4", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.	NARCO	Foot	2880	6.2	\$17,856.00	16 weeks	20	0	Feet	2880	\$	-	\$	-	0	0	9,532.80	\$	8,323.20	46.61%
PFPEV050	PIPE, PVC, **EAGLE LOC**, DR18 - 6", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.	JM EAGLE ORDER BY DESCRIPTION	Foot	1120	25.45	\$28,504.00	24 months	20	0	Feet	1120	\$	-	\$	-	0	0	10,371.20	\$	18,132.80	63.61%
PFPEV060	PIPE, PVC, DR18 - 6", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.	NARCO	Foot	5600	12.7	\$71,120.00	16 weeks	20	0	Feet	5600	\$	-	\$	-	0	0	33,600.00	\$	37,520.00	52.76%
PFPEV070	PIPE, PVC, **EAGLE LOC**, DR1																				

PPEV080	PIPE, PVC, DR18 - 8", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.	NARCO	Feet	6900	21.8	\$150,420.00	16 weeks	20	0	Feet	6900	\$	-	\$	-	0	0	\$	75,279.00	\$	75,141.00	49.95%
PPEV100	PIPE, PVC, DR18 - 10", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.	NARCO	Feet	200	34.55	\$6,910.00	16 weeks	20	0	Feet	200	\$	-	\$	-	0	0	\$	3,376.00	\$	3,334.00	51.14%
PPEV120	PIPE, PVC, DR18 - 12", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.	NARCO	Feet	1300	46.1	\$59,930.00	16 weeks	20	0	Feet	1300	\$	-	\$	-	0	0	\$	32,227.00	\$	27,703.00	46.23%
PPEV124	PIPE, PVC, DR18 - 18", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.	DIAMOND DR18 JM EAGLE DR18 NORTH AMERICAN PIPE CO. DR18	Feet	81	105.35	\$8,533.35	16 weeks	20	0	Feet	81	\$	-	\$	-	0	0	\$	4,050.00	\$	4,483.35	52.54%
PPEV140	PIPE, PVC, DR18 - 14", 20 FT. LENGTHS, AWWA C-900, CLASS 235. ALL DR18 PIPE MUST BE COLORED BLUE FOR WATER SERVICE. NO OTHER COLOR ALLOWED.	CERTANTITE SEE DESCRIPTION JM MANUFACTURING SEE DESCRIPTION NATIONAL PIPE & PLASTICS, INC. SEE DESCRIPTION NORTH AMERICAN PIPE CO. SEE DESCRIPTION VASSALLO, INC. SEE DESCRIPTION	Feet	40	72.35	\$2,894.00	16 weeks	20	0	Feet	40	\$	-	\$	-	0	0	\$	1,520.00	\$	1,374.00	47.48%
PPEV160	PIPE, PVC, DR18, 16", AWWA C-900, CLASS 235, 20 FT LENGTHS, BLUE COLOR ONLY. NOTE: NO MORE THAN TWO (2) PIECES OF PIPE PER BUNDLE. BUNDLES WITH MORE THAN TWO PIECES PER BUNDLE WILL BE REFUSED.	NARCO	Feet	160	78.26	\$12,521.60	16 weeks	20	0	Feet	160	\$	-	\$	-	0	0	\$	5,120.00	\$	7,401.60	59.11%
PPEV180	PIPE, PVC, DR18, 20", AWWA C-900, CLASS 235, 20 FT LENGTHS. ALL PIPE MUST BE COLORED BLUE FOR WATER SERVICE. NO OTHER COLORS ARE ALLOWED.	NARCO	Feet	130	131.3	\$17,069.00	16 weeks	20	0	Feet	130	\$	-	\$	-	0	0	\$	7,540.00	\$	9,529.00	55.83%
PPEV219	PIPE, PVC, DR18, 24", AWWA C-900, CLASS 235, 20 FT LENGTHS. ALL PIPE MUST BE COLORED BLUE FOR WATER SERVICE. NO OTHER COLORS ARE ALLOWED.	NARCO	Feet	40	192	\$7,680.00	16 weeks	20	0	Feet	40	\$	-	\$	-	0	0	\$	3,400.00	\$	4,280.00	55.73%
PPEV350	PIPE, PVC, DR18 - 30", 20 FT. LENGTHS, AWWA C-900, CLASS 235, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	DIAMOND DR18 JM EAGLE DR18 NORTH AMERICAN PIPE CO. DR18	Feet	40	289	\$11,560.00	16 weeks	20	0	Feet	40	\$	-	\$	-	0	0	\$	6,600.00	\$	4,960.00	42.91%
PPEV360	PIPE, PVC, DR25, 30" AWWA C-900, CLASS 165, 20 FT. LENGTHS. ALL PIPE MUST BE COLORED "GREEN" FOR SEWER SERVICE. NO OTHER COLOR ALLOWED. *** NO SUBSTITUTE ***	NARCO	Feet	7	305	\$2,135.00	16 weeks	20	0	Feet	7	\$	-	\$	-	0	0	\$	1,760.00	\$	875.00	40.98%
PPEV440	TUBING, POLYETHYLENE 1", CTS O.D., PE4710, SDR9, PURPLE, 250-PSI RATING, 100 FT COLLS. ** 10 COLLS SHRINK WRAPPED PER PALLET** LEA = 1FT	ADVANCE DRAINAGE SYSTEMS POLYFLEX ENDOT INDUSTRIES ENDORE	Each	700	0.46	\$322.00	21 days	100	0	Each	700	\$	-	\$	-	0	0	\$	210.00	\$	112.00	34.78%
PPEV445	TUBING, POLYETHYLENE 2", CTS O.D., PE4710, SDR9, PURPLE, 250-PSI RATING, 100 FT COLLS. ** 10 COLLS SHRINK WRAPPED PER PALLET** LEA = 1FT	ADVANCE DRAINAGE SYSTEMS POLYFLEX ENDOT INDUSTRIES OBD	Each	200	1.55	\$310.00	21 days	100	0	Each	200	\$	-	\$	-	0	0	\$	214.00	\$	96.00	30.97%
PPEV455	PIPE, PVC, SCH 40, 1", 20 FT. LENGTHS, PURPLE RECLAIM WATER SOLVENT WELD BELL.	FORD 050104PURP	Each	100	45	\$4,500.00	21 days	20	0	Each	100	\$	-	\$	-	0	0	\$	40.00	\$	4,460.00	99.11%
PPEV465	PIPE, PVC, SCH 40, 2", 20 FT. LENGTHS, PURPLE RECLAIM WATER SOLVENT WELD BELL.	Sanderson	Each	100	85	\$8,500.00	21 days	20	0	Each	100	\$	-	\$	-	0	0	\$	1,600.00	\$	6,900.00	81.18%
PPERW020	PIPE, PVC, 2" X 20 FT. LENGTHS, SCH 40, GLUE JOINT, ALL PIPE MUST BE COLORED PANTONE PURPLE S22C FOR RECLAIMED WATER SERVICE. NO OTHER COLORS ALLOWED.	Sanderson	Feet	20	4.25	\$85.00	21 days	20	0	Feet	20	\$	-	\$	-	0	0	\$	16.00	\$	69.00	81.18%
PPERW030	PIPE, PVC, 3" X 20 FT. LENGTHS, CLASS 300, ALL SDR21 PIPE MUST BE COLORED PANTONE PURPLE S22C FOR RECLAIMED WATER SERVICE. NO OTHER COLORS ALLOWED.	NARCO	Feet	20	3.21	\$64.20	16 weeks	20	0	Feet	20	\$	-	\$	-	0	0	\$	19.60	\$	44.60	69.47%
PPERW040	PIPE, PVC, 4", DR18, 20 FT. LENGTHS, AWWA C-900, CLASS 235. PIPE MUST BE COLORED PANTONE PURPLE FOR RECLAIMED WATER SERVICE. NO OTHER COLORS ALLOWED.	NARCO	Feet	40	7.07	\$282.80	16 weeks	20	0	Feet	40	\$	-	\$	-	0	0	\$	88.80	\$	194.00	68.60%
PPERW060	PIPE, PVC, 6", DR18, 20 FT. LENGTHS, AWWA C-900, CLASS 235. PIPE MUST BE COLORED PANTONE PURPLE FOR RECLAIMED WATER SERVICE. NO OTHER COLORS ALLOWED.	NARCO	Feet	203	14.45	\$2,933.35	16 weeks	20	0	Feet	203	\$	-	\$	-	0	0	\$	972.37	\$	1,960.98	66.85%
PPERW080	PIPE, PVC, 8", DR18, 20 FT. LENGTHS, AWWA C-900, CLASS 235. PIPE MUST BE COLORED PANTONE PURPLE FOR RECLAIMED WATER SERVICE. NO OTHER COLORS ALLOWED.	NARCO	Feet	80	24.79	\$1,983.20	16 weeks	20	0	Feet	80	\$	-	\$	-	0	0	\$	644.80	\$	1,338.40	67.49%
PPERW120	PIPE, PVC, 12", DR18, 20 FT. LENGTHS, AWWA C-900, CLASS 235. PIPE MUST BE COLORED PANTONE PURPLE FOR RECLAIMED WATER SERVICE. NO OTHER COLORS ALLOWED.	NARCO	Feet	20	49.2	\$984.00	16 weeks	20	0	Feet	20	\$	-	\$	-	0	0	\$	326.20	\$	657.80	66.85%
PPERW160	PIPE, PVC, 16", DR18, 20 FT. LENGTHS, AWWA C-900, CLASS 235. PIPE MUST BE COLORED PANTONE PURPLE FOR RECLAIMED WATER SERVICE. NO OTHER COLORS ALLOWED.	NARCO	Feet	40	79.25	\$3,170.00	16 weeks	20	0	Feet	40	\$	-	\$	-	0	0	\$	1,400.00	\$	1,770.00	55.84%
PPESC024	PIPE, PVC SCH 40 1/2", 20 FT LENGTHS, BELL ON ONE END.	Charlotte	Feet	280	0.72	\$201.60	21 days	20	0	Feet	280	\$	-	\$	-	0	0	\$	84.00	\$	117.60	58.33%
PPESC034	PIPE, PVC, SCH 40, 3/4", 20 FT LENGTHS, BELL ON ONE END.	Charlotte	Feet	1400	0.68	\$952.00	21 days	20	0	Feet	1400	\$	-	\$	-	0	0	\$	476.00	\$	476.00	50.00%
PPESC100	PIPE, PVC SCH 40 1", 20 FT LENGTHS, BELL ON ONE END.	Charlotte	Feet	1000	0.92	\$920.00	21 days	20	0	Feet	1000	\$	-	\$	-	0	0	\$	420.00	\$	500.00	54.35%
PPESC114	PIPE, PVC SCH 40 1-1/4", 20 FT LENGTHS, BELL ON ONE END. (1 EA = 1 FT)	Charlotte	Each	160	1.45	\$232.00	21 days	20	0	Each	160	\$	-	\$	-	0	0	\$	176.00	\$	614.80	24.14%
PPESC124	PIPE, PVC SCH 40 1-1/2", 20 FT LENGTHS, BELL ON ONE END.	Charlotte	Feet	580	1.79	\$1,038.20	21 days	20	0	Feet	580	\$	-	\$	-	0	0	\$	614.80	\$	423.40	40.78%
PPESC200	PIPE, PVC SCH 40 2", 20 FT LENGTHS, BELL ON ONE END.	Charlotte	Feet	1800	2.18	\$3,924.00	21 days	20	0	Feet	1800	\$	-	\$	-	0	0	\$	1,008.00	\$	2,916.00	51.38%
PPESC300	PIPE, PVC SCH 40, 3"	Charlotte	Feet	140	5.44	\$761.60	21 days	20	0	Feet	140	\$	-	\$	-	0	0	\$	252.00	\$	509.60	66.91%
PPESC400	PIPE, PVC, SCH 40, 4", 20 FT LENGTHS. **** NO SUBSTITUTE ****	Charlotte	Feet	20	5.98	\$119.60	21 days	20	0	Feet	20	\$	-	\$	-	0	0	\$	41.00	\$	78.60	65.72%
PPESC600	PIPE, PVC, SCH 40, 6", 20 FT LENGTHS. **** NO SUBSTITUTES ****	Charlotte	Feet	20	13.22	\$264.40	21 days	20	0	Feet	20	\$	-	\$	-	0	0	\$	90.00	\$	174.40	65.96%
PPESH034	PIPE, PVC, SCH 80, 3/4"	Charlotte	Feet	80	1.3	\$104.00	21 days	20	0	Feet	80	\$	-	\$	-	0	0	\$	64.00	\$	64.00	61.54%
PPESH100	PIPE, PVC, SCH 80, 1", BELL TO SPIGOT ENDS.	Charlotte	Feet	34	1.9	\$64.60	21 days	20	0	Feet	34	\$	-	\$	-	0	0	\$	23.80	\$	40.80	63.16%
PPESH114	PIPE, PVC, SCH 80, 1-1/4"	Charlotte	Feet	20	2.6	\$52.00	21 days	20	0	Feet	20	\$	-	\$	-	0	0	\$	19.20	\$	32.80	63.08%
PPESH124	PIPE, PVC, SCH 80, 1-1/2"	Charlotte	Feet	20	2.9	\$58.00	21 days	20	0	Feet	20	\$	-	\$	-	0	0	\$	40.80	\$	17.20	29.66%
PPESH200	PIPE, PVC, 2" SCH 80, 20' LENGTHS	Charlotte	Feet	353	4	\$1,412.00	21 days	20	0	Feet	353	\$	-	\$	-	0	0	\$	529.50	\$	882.50	62.50%
PPESH300	PIPE, PVC, SCH 80, 3", PLAIN END, 20 FT LENGTHS	Charlotte	Feet	100	8.25	\$825.00	21 days	20	0	Feet	100	\$	-	\$	-	0	0	\$	308.00	\$	517.00	62.67%
PPESH400	PIPE, PVC, SCH 80, 4", 20FT LENGTHS	Charlotte	Feet	13	11.85	\$154.05	21 days	20	0	Feet	13	\$	-	\$	-	0	0	\$	57.85	\$	96.20	62.65%
PPESW004	PIPE, PVC, DR18 - 4", 20 FT LENGTHS, AWWA C-900, CLASS 235, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NARCO	Feet	600	6.25	\$3,750.00	16 weeks	20	0	Feet	600	\$	-	\$	-	0	0	\$	1,990.00	\$	1,738.00	46.88%
PPESW006	PIPE, PVC, DR18 - 6", 20 FT LENGTHS, AWWA C-900, CLASS 235, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NARCO	Feet	400	12.75	\$5,100.00	16 weeks	20	0	Feet	400	\$	-	\$	-	0	0	\$	1,940.00	\$	3,160.00	61.96%
PPESW008	PIPE, PVC, DR18 - 8", 20 FT LENGTHS, AWWA C-900, CLASS 235, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NARCO	Feet	300	21.8	\$6,540.00	16 weeks	20	0	Feet	300	\$	-	\$	-	0	0	\$	2,529.00	\$	4,011.00	61.33%
PPESW010	PIPE, PVC, DR18 - 10", 20 FT LENGTHS, AWWA C-900, CLASS 235, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NARCO	Feet	200	32.74	\$6,548.00	16 weeks	20	0	Feet	200	\$	-	\$	-	0	0	\$	2,532.00	\$	4,016.00	61.33%
PPESW012	PIPE, PVC, DR18 - 12", 20 FT LENGTHS, AWWA C-900, CLASS 235, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NARCO	Feet	140	46.1	\$6,454.00	16 weeks	20	0	Feet	140	\$	-	\$	-	0	0	\$	3,364.20	\$	3,089.80	47.87%
PPESW016	PIPE, PVC, DR18 - 16", 20 FT LENGTHS, AWWA C-900, CLASS 165, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NARCO	Feet	100	70.35	\$7,035.00	16 weeks	20	0	Feet	100	\$	-	\$	-	0	0	\$	3,700.00	\$	3,335.00	47.41%
PPESW018	PIPE, PVC, DR18 - 18", 20 FT LENGTHS, AWWA C-900, CLASS 165, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NARCO	Feet	40	82.3	\$3,292.00	16 weeks	20	0	Feet	40	\$	-	\$	-	0	0	\$	2,400.00	\$	892.00	27.10%

PPESW020	PIPE, PVC, DR18 - 20", 20 FT. LENGTHS, AWMA C-90, CLASS 235, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NAPCO	Feet	20	135	\$2,700.00	16 weeks	20	0	Feet	20	\$	-	\$	-	0	0	\$	1,300.00	\$	1,400.00	51.85%	
PPESW024	PIPE, PVC, DR18 - 24", 20 FT. LENGTHS, AWMA C-90, CLASS 235, GREEN COLOR ONLY FOR SEWER FORCEMAIN SYSTEM.	NAPCO	Feet	60	190	\$11,400.00	16 weeks	20	0	Feet	60	\$	-	\$	-	0	0	\$	4,680.00	\$	6,720.00	58.95%	
PPESW040	PIPE, PVC, SDR26-14 (14 FT JOINTS)	NAPCO	Feet	4732	3.39	\$16,041.48	16 weeks	14	0	Feet	4732	\$	-	\$	-	0	0	\$	5,085.44	\$	6,504.64	43.36%	
PPESW060	PIPE, PVC, SDR26-14 (14 FT LENGTHS)	NAPCO	Feet	13360	7.56	\$10,064.80	16 weeks	14	0	Feet	13360	\$	-	\$	-	0	0	\$	26,764.40	\$	45,900.40	44.71%	
PPESW080	PIPE, PVC, SDR26-4" (14 FT LENGTHS)	NAPCO	Feet	4340	13.69	\$59,414.60	16 weeks	14	0	Feet	4340	\$	-	\$	-	0	0	\$	40,770.60	\$	28,644.00	48.21%	
PPESW100	PIPE, PVC, SDR26-10" (14 FT JOINTS)	NAPCO	Feet	448	21.32	\$9,551.36	16 weeks	14	0	Feet	448	\$	-	\$	-	0	0	\$	4,444.88	\$	5,111.68	53.22%	
PPESW120	PIPE, PVC, SDR26-12" (14 FT JOINTS)	NAPCO	Feet	196	31.2	\$6,115.20	16 weeks	14	0	Feet	196	\$	-	\$	-	0	0	\$	2,818.12	\$	3,279.68	53.62%	
PPESW150	PIPE, PVC, SDR26-15" (14 FT JOINTS)	NAPCO	Feet	42	46.85	\$1,967.70	16 weeks	14	0	Feet	42	\$	-	\$	-	0	0	\$	742.98	\$	1,244.72	62.24%	
PPETU034	TUBING, POLYETHYLENE 3/4" CTS O.D., PE 4710, SDR9 BLUE, 250 PSI RATING, 100 FT COILS. ** 10 COILS SHRINK WRAPPED PER PALLET**.	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION ENDOT INDUSTRIES ORDER BY DESCRIPTION	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION	Feet	22000	0.27	\$5,940.00	21 days	100	0	Feet	22000	\$	-	\$	-	0	0	\$	4,400.00	\$	1,540.00	25.91%
PPETU100	TUBING, POLYETHYLENE 1" CTS O.D., PE 4710, SDR9 BLUE, 250 PSI RATING, 100 FT COILS. ** 10 COILS SHRINK WRAPPED PER PALLET**.	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION ENDOT INDUSTRIES ORDER BY DESCRIPTION	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION	Feet	50000	0.45	\$22,500.00	21 days	100	0	Feet	50000	\$	-	\$	-	0	0	\$	16,000.00	\$	6,500.00	28.89%
PPETU124	TUBING, POLYETHYLENE 1 1/2" CTS O.D., PE 4710, SDR9 BLUE, 250 PSI RATING, 100 FT COILS. ** 10 COILS SHRINK WRAPPED PER PALLET**.	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION ENDOT INDUSTRIES ORDER BY DESCRIPTION	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION	Feet	1300	0.94	\$1,222.00	21 days	100	0	Feet	1300	\$	-	\$	-	0	0	\$	845.00	\$	377.00	30.85%
PPETU200	TUBING, POLYETHYLENE 2" CTS O.D., PE 4710, SDR9 BLUE, 250 PSI RATING, 100 FT COILS. ** 10 COILS SHRINK WRAPPED PER PALLET**.	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION ENDOT INDUSTRIES ORDER BY DESCRIPTION	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION	Feet	6700	1.52	\$10,184.00	21 days	100	0	Feet	6700	\$	-	\$	-	0	0	\$	7,970.00	\$	2,814.00	27.63%
PUMSU001	PUMP, SLUMP, FOR USE IN UNDERGROUND NETWORK VAULTS, 1/2 HP, 1 PHASE, 120 VAC, CAST IRON OR BRONZE CONSTRUCTION.	HYDROMATIC PUMP M5PS0M1-20	HYDROMATIC PUMP M5PS0M1-20	Each	14	1250	\$17,500.00	16 weeks	100	0	Each	14	\$	-	\$	-	0	0	\$	10,010.00	\$	7,490.00	42.80%
PUMSU004	PUMP, SLUMP REPAIR PARTS, DOUBLE FLOAT PUMP CONTROLS SWITCH.	S. J. ELECTRO SYSTEMS, INC. 15DFD 120V W-P	S. J. ELECTRO SYSTEMS, INC. 15DFD 120V W-P	Each	8	350	\$2,800.00	16 weeks	100	0	Each	8	\$	-	\$	-	0	0	\$	960.00	\$	1,840.00	65.71%
PUMSU020	PUMP, SLUMP, 1/2 HP, 115 VAC, SUBMERSIBLE WITH VERTICAL FLOAT SWITCH & 10" POWER CORD.	MYERS PUMP D550-P1	MYERS PUMP D550-P1	Each	14	625	\$8,750.00	16 weeks	100	0	Each	14	\$	-	\$	-	0	0	\$	4,900.00	\$	3,850.00	44.00%
PUMSU021	PUMP, SLUMP, 115 VAC WITH SIDE FLOAT 10.5 AMP, 60 HZ LITTLE GIANT PUMP CO. IT5 #511700, MODEL HT-10E-CA-F5 USED AT NIS UNIT 3 CONDENSATE HOTWELL TROUGH.	LITTLE GIANT HT-10EN-CA-F5	LITTLE GIANT HT-10EN-CA-F5	Each	12	875	\$10,500.00	16 weeks	100	0	Each	12	\$	-	\$	-	0	0	\$	7,800.00	\$	2,640.00	25.14%
RDCPD10	COUPLING, ROD CONNECTOR, 3/4" - 10, 316 SS	FNW	FNW	Each	7	25	\$175.00	21 days	100	0	Each	7	\$	-	\$	-	0	0	\$	56.00	\$	119.00	68.00%
RODTH020	ROD, ALL THREAD, 3/4" - 10 X 12', 316 SS, 12-FT. LENGTHS ONLY.	Birmingham Fastener	Birmingham Fastener	Feet	120	12	\$1,440.00	21 days	60	0	Feet	120	\$	-	\$	-	0	0	\$	774.00	\$	666.00	46.25%
TEMH017	HEATER, EGGON SCRIBER BASE, 120 V, 50 W, CHROMALOX SCR-50-253809	CHROMALOX SCR-50-253809	CHROMALOX SCR-50-253809	Each	3	450	\$1,350.00	28 days	100	0	Each	3	\$	-	\$	-	0	0	\$	750.00	\$	600.00	44.44%
TLSSA130	BLADE, CIRCULAR SAW, 12" X 1", CARBIDE TIP, 5500 MAX RPM	AMANA TOOL DB81-120	AMANA TOOL DB81-120	Each	6	100	\$600.00	28 days	100	0	Each	6	\$	-	\$	-	0	0	\$	720.00	\$	(130.00)	-20.00%
TLSSA170	BLADE, SAW, 12" DIAM. X 5/32" THICKNESS X 1/2" HD ARBOR, 1 HOLE, MAX RPM 6000, HIGH SPEED DOUBLE REINFORCED, ABRASIVE WHEEL. BLADE TO BE USED SPECIFICALLY FOR CUTTING DUCTILE OR CAST IRON PIPE. MUST MEET OSHA AND ANSI STANDARDS.	MAGNUM 3012	MAGNUM 3012	Each	200	20	\$4,000.00	28 days	100	0	Each	200	\$	-	\$	-	0	0	\$	4,000.00	\$	-	0.00%
TLSSA185	BLADE, LIMESTONE, BRICK, CLAY, RECIPROCATING SAW	CMT ORANGE TOOLS JS2243HM HITACHI T32042 SPYDER PRODUCTS 200211	CMT ORANGE TOOLS JS2243HM	Each	65	80	\$5,200.00	28 days	100	0	Each	65	\$	-	\$	-	0	0	\$	5,200.00	\$	-	0.00%
TLSSA370	CHAIN, 3/16" - PROOF COIL, SYSTEM 3, GENERAL PURPOSE, ELECTROPLATED ZINC FINISH, ELECTRICALLY WELDED CARBON STEEL, WORKING LOAD LIMIT 750 LBS. (MINIMUM), 800 FT PER DRUM, INDUSCO, ADLER WIRE	Consolidated Rigging	Consolidated Rigging	Feet	617	4.5	\$2,776.50	21 days	100	0	Feet	617	\$	-	\$	-	0	0	\$	2,005.25	\$	771.25	27.78%
TLSSA390	CHAIN, 1/2" - ALLOY STEEL, WORKING LOAD LIMIT 12,000 LBS. PROOF TESTED TO 22,500 LBS. MINIMUM BREAKING 15,200 LBS. ACCLOY #5116-10802 ONLY)	PEERLESS MFG. 5050672	PEERLESS MFG. 5050672	Feet	62	14.5	\$899.00	21 days	100	0	Feet	62	\$	-	\$	-	0	0	\$	589.00	\$	310.00	34.48%
TLSSC530	HOOK, PACKING - FLEXIBLE, #1 SIZE, 6-1/4" LENGTH, SPIRAL DIA = 1/4", SHAFT DIA = 3/16", SPIRAL LENGTH = 3/4" SHANK HAS TWO SPIRAL STEEL SHAPTS ONE INSIDE THE OTHER, WOUND IN OPPOSITE DIRECTIONS, 1-HANDLE, PERMANENTLY POINTED AND TEMPUR HOOD	CS OSBORNE 58320	CS OSBORNE 58320	Each	12	45	\$540.00	21 days	100	0	Each	12	\$	-	\$	-	0	0	\$	120.00	\$	420.00	77.78%
TLSD0604	TELESCOPING ALUMINUM POLE, 8FT TO 20FT	RENO 130-6 SEWER EQUIPMENT CO. 130-6	SEWER EQUIPMENT CO. 130-6	Each	1	375	\$375.00	21 days	100	0	Each	1	\$	-	\$	-	0	0	\$	281.00	\$	140.00	37.33%
TLSD0740	LADDER, EXTENSION - ALUMINUM, 16 FT., TWO SECTION STRAIGHT EXTENSION TYPE, 250 LB. WORKING LOAD, TYPE 1, 12" SHARP RINGS, W/SERRATIONS, WORKING LENGTH TO BE 3FT SWIVEL SAFETY SHOES, GRAVITY RING LOCKS, LADDER MUST MEET ANSI A14.2 & OSHA. 10	WERNER D1316-2	WERNER D1316-2	Each	5	450	\$2,250.00	21 days	100	0	Each	5	\$	-	\$	-	0	0	\$	1,625.00	\$	925.00	41.11%
TLSD0880	NUT DRIVER, HEX - 1/4", PRECISION FORMED HEAT TREATED HEX OPENINGS, CHROME PLATED SHANKS, COLOR CODED FIRE RESISTANT HANDLES, 3" SHANK LENGTH, APPROX. 6-5/8" OVERALL LENGTH, PROTO #9208	STANLEY-PROTO INDUSTRIAL TOOLS 9208	STANLEY-PROTO INDUSTRIAL TOOLS 9208	Each	9	12	\$108.00	21 days	100	0	Each	9	\$	-	\$	-	0	0	\$	108.00	\$	-	0.00%
TLSD0940	SET, NUT DRIVER, 7-PIECE - SET MUST INCLUDE AT LEAST SEVEN (7) OF THE FOLLOWING SIZES: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; SET INCLUDES VINYL OR PLASTIC POUCH ** NO SUBSTITUTE **	ARMSTRONG TOOLS 66-843 KLEIN TOOL 631 PROTO PROFESSIONAL TOOLS 9200C	PROTO PROFESSIONAL TOOLS 9200C	Each	11	135	\$1,485.00	21 days	100	0	Each	11	\$	-	\$	-	0	0	\$	1,485.00	\$	-	0.00%
TLSE490	ROPE, MANILA 3/8", 600 FT. COILS, ROPE MUST BE WOUND ONTO WOODEN SPOOLS PRIOR TO DELIVERY, (600 FT SPOOLS ONLY)	Consolidated Rigging	Consolidated Rigging	Feet	600	0.16	\$96.00	21 days	100	0	Feet	600	\$	-	\$	-	0	0	\$	66.00	\$	30.00	31.25%
TLSF860	SLING, 1/2" DIAM- ETER WIRE ROPE (7X7X2 GAC CONST.), 4' LENGTH, RINGS ON BOTH ENDS & 1 SLIDING CHOKER HOOK. FITTINGS TO EXCEED CAP. OF SLING, PERMANENTLY ATTACHED METAL TAG WITH LIFTING CAPACITY, VERT. 1.9 TON, CHOKER 1.3 TON, BASKET 3.7 TON	LPJ&J	LPJ&J	Each	3	250	\$750.00	21 days	100	0	Each	3	\$	-	\$	-	0	0	\$	270.00	\$	480.00	64.00%
TLSF870	SLING, 1/2" DIAM- ETER WIRE ROPE (7X7X2 GAC CONST.), 6' LENGTH, RINGS ON BOTH ENDS & 1 SLIDING CHOKER HOOK. FITTINGS TO EXCEED CAP. OF SLING, PERMANENTLY ATTACHED METAL TAG WITH LIFTING CAPACITY, VERT. 1.9 TON, CHOKER 1.3 TON, BASKET 3.7 TON	LPJ&J	LPJ&J	Each	2	300	\$600.00	21 days	100	0	Each	2	\$	-	\$	-	0	0	\$	190.00	\$	410.00	68.33%
TLSF980	SOCKET, 7/8" - 1/2" DRIVE, 12 POINT WRENCH SET, COMB. BOX/OPEN END, 15 PC, 15 DEGREE OFFSET BOX/OPENING, 12 POINT, CHROME FINISH, SET INCLUDES VINYL ROLL	STANLEY - PROTO INDUSTRIAL TOO 5428	STANLEY - PROTO INDUSTRIAL TOO 5428	Each	1	30	\$30.00	21 days	100	0	Each	1	\$	-	\$	-	0	0	\$	20.00	\$	10.00	33.33%
TLSH090	WRENCH SIZES TO BE: 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 11/16", 13/16", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"	Stanley	Stanley	Each	23	190	\$4,370.00	21 days	100	0	Each	23	\$	-	\$	-	0	0	\$	4,600.00	\$	(230.00)	-5.26%
TLSH830	WRENCH, PIPE, 18", END PATTERN E-18, JAW CAPACITY 2-1/2" **NO SUBSTITUTE**	ARMSTRONG TOOLS 72-019 REED TOOLS RWO-18 RIDGE TOOL 31075 RIDGID TOOL 31075	RIDGID TOOL 31075	Each	25	65	\$1,625.00	21 days	100	0	Each	25	\$	-	\$	-	0	0	\$	1,625.00	\$	-	0.00%
TLSJ2000	SHELL CUTTER, 3/4"	MUELLER 507577	MUELLER 507577	Each	9	350	\$3,150.00	10 weeks	100	0	Each	9	\$	168.98	\$	1,520.82	56.72	N/A	\$	1,305.00	\$	215.82	14.99%
TLSP640	CUTTER, SHELL, 7/8", PVC, FOR 64, 85 AND P-2 DRILL MACHINES	MUELLER 681920	MUELLER 681920	Each	9	350	\$3,150.00	10 weeks	100	0	Each	9	\$	112.26	\$	1,030.34	56.72	N/A	\$	1,305.00	\$	(294.66)	-29.18%
TLSQ046	ADAPTER NIPPLE (LONG), 3/4", FOR COMPRESSION OR COPPER THREAD OUTLETS, MUELLER PL-2 MACHINE.	MUELLER 507632	MUELLER 507632	Each	2	150	\$300.00	10 weeks	100	0	Each	2	\$	55.11	\$	110.22	56.72	N/A	\$	130.00	\$	(19.78)	-17.95%
TLSQ060	BORING BAR FOR PL-2 MACHINE	MUELLER 507141	MUELLER 507141	Each	1	450	\$450.00	10 weeks	100	0	Each	1	\$	82.22	\$	82.22	56.72	N/A	\$	176.00	\$	(92.78)	-52.84%









FTGB200	SADDLE, 6X2 IP, DOUBLE STRAP 316 STAINLESS STEEL EPOXY, USED ON PVC PIPE.	CASCADE OBD DRESSER INDUSTRIES, INC. OBD FORD METER BOX COMPANY FC202-690-IP7-Q-1 JCH OBD MUELLER OBD SMITH BLAIR OBD	FORD METER BOX COMPANY FC202-690-IP7-Q-1	Each	2	87.3	\$174.60	28 days	0	Each	2	\$ -	\$ -	0	0	\$ 159.20	\$ 15.40	8.82%
FTGB300	SADDLE, 8X2 IP, DOUBLE STRAP 316 STAINLESS STEEL EPOXY, USED ON PVC PIPE.	CASCADE OBD DRESSER INDUSTRIES, INC. OBD FORD METER BOX COMPANY FC202-905-IP7-Q-1 JCH OBD MUELLER OBD SMITH BLAIR OBD	FORD METER BOX COMPANY FC202-905-IP7-Q-1	Each	10	122.9	\$1,229.00	28 days	0	Each	10	\$ -	\$ -	0	0	\$ 773.90	\$ 455.10	37.03%
FTGB400	SADDLE, 10X2 IP, DOUBLE STRAP 316 STAINLESS STEEL EPOXY, USED ON PVC PIPE.	CASCADE OBD DRESSER INDUSTRIES, INC. OBD FORD METER BOX COMPANY FC202-1110-IP7-Q-1 JCH OBD MUELLER OBD SMITH BLAIR OBD	FORD METER BOX COMPANY FC202-1110-IP7-Q-1	Each	10	140.9	\$1,409.00	28 days	0	Each	10	\$ -	\$ -	0	0	\$ 1,285.00	\$ 124.00	8.80%
FTGB500	SADDLE, 12X2 IP, DOUBLE STRAP, 316 STAINLESS STEEL EPOXY, USED ON PVC PIPE.	CASCADE OBD DRESSER INDUSTRIES, INC. OBD FORD METER BOX COMPANY FC202-1840-IP7-Q-1 JCH OBD MUELLER OBD SMITH BLAIR OBD	FORD METER BOX COMPANY FC202-1840-IP7-Q-1	Each	4	145.15	\$980.60	28 days	0	Each	4	\$ -	\$ -	0	0	\$ 529.20	\$ 51.40	8.85%
FTGB600	SADDLE, 16X2 IP, DOUBLE STRAP, 316 STAINLESS STEEL EPOXY, USED ON PVC PIPE.	CASCADE OBD DRESSER INDUSTRIES, INC. OBD FORD METER BOX COMPANY FC202-1840-IP7-Q-1 JCH OBD MUELLER OBD SMITH BLAIR OBD	FORD METER BOX COMPANY FC202-1840-IP7-Q-1	Each	10	172.55	\$1,725.50	28 days	0	Each	10	\$ -	\$ -	0	0	\$ 1,235.80	\$ 429.70	24.90%
FTGB700	SADDLE, 20X2 IP, DOUBLE STRAP, 316 STAINLESS STEEL EPOXY, USED ON PVC PIPE.	CASCADE OBD DRESSER INDUSTRIES, INC. OBD FORD METER BOX COMPANY FC202-2050-IP7-Q-1 JCH OBD MUELLER OBD SMITH BLAIR OBD	FORD METER BOX COMPANY FC202-2050-IP7-Q-1	Each	10	197.85	\$1,978.50	28 days	0	Each	10	\$ -	\$ -	0	0	\$ 2,455.00	\$ (476.50)	-24.08%
FTGB800	SADDLE, 24X2 IP, DOUBLE STRAP, 316 STAINLESS STEEL EPOXY, USED ON PVC PIPE.	CASCADE OBD DRESSER INDUSTRIES, INC. OBD FORD METER BOX COMPANY FC202-2650-IP7-Q-1 JCH OBD MUELLER OBD SMITH BLAIR OBD	FORD METER BOX COMPANY FC202-2650-IP7-Q-1	Each	10	266.95	\$2,669.50	28 days	0	Each	10	\$ -	\$ -	0	0	\$ 2,455.00	\$ 214.50	8.04%
FTGD275	ELL, PVC-SCH 80, 2-1/2", 90 DEGREE, SLIP X SLIP	CHARLOTTE PIPE AND FOUNDRY PVC 08309 2200 ORDER BY DESCRIPTION OBD	CHARLOTTE PIPE AND FOUNDRY PVC 08309 2200	Each	40	9.25	\$370.00	21 days	0	Each	40	\$ -	\$ -	0	0	\$ 224.00	\$ 146.00	39.44%
FTGD276	ELL, PVC-SCH 80, 2", 45 DEGREE, SLIP X SLIP	CHARLOTTE PIPE AND FOUNDRY PVC 08309 2000 ORDER BY DESCRIPTION OBD	CHARLOTTE PIPE AND FOUNDRY PVC 08309 2000	Each	20	9.3	\$186.00	21 days	0	Each	20	\$ -	\$ -	0	0	\$ 114.00	\$ 72.00	38.71%
FTGB905	INSTA-VALVE, 4", COMPLETE FITTING O.D. RANGE 4.98-5.28 FOR CLAC--SS SLEEVE & NOZZLE CS FLANGE	HYDRA-STOP 25513250-CS	HYDRA-STOP 25513250-CS	Each	1	4071	\$4,071.00	21 days	0	Each	1	\$ -	\$ -	0	0	\$ 3,797.00	\$ 274.00	6.73%
FTGB309	INSTA-VALVE, 6", COMPLETE FITTING O.D. RANGE 7.05-7.35 FOR CLAC--SS SLEEVE & NOZZLE CS FLANGE	HYDRA-STOP 25720250-CS	HYDRA-STOP 25720250-CS	Each	4	46.39	\$185.56	21 days	0	Each	4	\$ -	\$ -	0	0	\$ 16,388.00	\$ 2,168.00	11.68%
FTGB313	INSTA-VALVE, 8", COMPLETE FITTING O.D. RANGE 9.17-9.47 FOR CLAC--SS SLEEVE & NOZZLE CS FLANGE	HYDRA-STOP 25932250-CS	HYDRA-STOP 25932250-CS	Each	4	5251	\$21,004.00	21 days	0	Each	4	\$ -	\$ -	0	0	\$ 18,520.00	\$ 2,482.00	11.67%
FTGB315	INSTA-VALVE, 10", COMPLETE FITTING O.D. RANGE 11.15-11.45 FOR CLAC--SS SLEEVE & NOZZLE CS FLANGE	HYDRA-STOP 251130250-CS	HYDRA-STOP 251130250-CS	Each	2	9025	\$18,050.00	21 days	0	Each	2	\$ -	\$ -	0	0	\$ 15,770.00	\$ 2,280.00	12.63%
FTGB318	INSTA-VALVE, 12", COMPLETE FITTING O.D. RANGE 13.15-13.65 FOR CLAC--SS SLEEVE & NOZZLE CS FLANGE	HYDRA-STOP 251330250-CS	HYDRA-STOP 251330250-CS	Each	2	10650	\$21,300.00	21 days	0	Each	2	\$ -	\$ -	0	0	\$ 18,024.00	\$ 3,276.00	15.38%
VALA8100	VALVE, AIR RELEASE 1", 250 PSI MIN, 1" NPT INLET SIZE, REINFORCED NYLON BODY CORROSION RESISTANT POLYMER MATERIAL, OVERALL HEIGHT NOT TO EXCEED 5.5"	ARI INDUSTRIES INC. D040901	ARI INDUSTRIES INC. D040901	Each	20	172.95	\$3,459.00	21 days	0	Each	20	\$ 325.26	\$ 6,505.20	56.72	N/A	\$ 5,000.00	\$ (1,541.00)	-44.55%
VLVCC710	CLAMLOCK, FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0247-471128P-M	ARI INDUSTRIES INC. 0247-471128P-M	Each	10	38.95	\$389.50	21 days	0	Each	10	\$ 39.36	\$ 393.60	56.72	N/A	\$ 412.50	\$ (23.00)	-5.91%
VLVCC720	SEAL PULL ASSEMBLY FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0447-5402-LP	ARI INDUSTRIES INC. 0447-5402-LP	Each	10	48.65	\$486.50	21 days	0	Each	10	\$ 49.20	\$ 492.00	56.72	N/A	\$ 515.60	\$ (29.10)	-5.98%
VLVCC725	FLOAT UPPER, FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0247-2602PP	ARI INDUSTRIES INC. 0247-2602PP	Each	10	56.45	\$564.50	21 days	0	Each	10	\$ 57.02	\$ 570.20	56.72	N/A	\$ 598.10	\$ (33.60)	-5.65%
VLVCC730	CLAMPING STEM, FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0245-1802-PL-NSF	ARI INDUSTRIES INC. 0245-1802-PL-NSF	Each	27	7.78	\$210.06	21 days	0	Each	27	\$ 7.87	\$ 212.49	56.72	N/A	\$ 222.75	\$ (12.69)	-6.04%
VLVCC735	BODY, NYLON UPPER, FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0245-0002NMS	ARI INDUSTRIES INC. 0245-0002NMS	Each	20	214.2	\$4,284.00	21 days	0	Each	20	\$ 216.49	\$ 4,329.80	56.72	N/A	\$ 4,101.60	\$ 182.40	4.26%
VLVCC740	NUIT, DOME, FLOAT ASSEMBLY FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0447-26-PN16-SH-DN	ARI INDUSTRIES INC. 0447-26-PN16-SH-DN	Each	3	4.87	\$14.61	21 days	0	Each	3	\$ 4.93	\$ 14.79	56.72	N/A	\$ 15.48	\$ (0.87)	-5.95%
VLVCC745	O-RING UPPER, FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0310-562-235-ASF	ARI INDUSTRIES INC. 0310-562-235-ASF	Each	10	7.78	\$77.80	21 days	0	Each	10	\$ 7.87	\$ 78.70	56.72	N/A	\$ 82.50	\$ (4.70)	-6.04%
VLVCC750	VALVE BALL, TAP FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0310-7350BP-FM-N316	ARI INDUSTRIES INC. 0310-7350BP-FM-N316	Each	10	160.65	\$1,606.50	21 days	0	Each	10	\$ 162.37	\$ 1,623.70	56.72	N/A	\$ 1,601.50	\$ 5.00	0.31%
VLVCC755	STOPPER FLOAT ASSEMBLY FOR ARV CLAMPING ASSEMBLY	ARI INDUSTRIES INC. 0447-26-PN16-SH-S	ARI INDUSTRIES INC. 0447-26-PN16-SH-S	Each	10	8.76	\$87.60	21 days	0	Each	10	\$ 8.86	\$ 88.60	56.72	N/A	\$ 92.90	\$ (5.30)	-6.05%
VLVCC760	SPRING SS, FLOAT ASSEMBLY, FOR ARV CLAMPING ASSEMBLY	ARI 0447-26-PN16-SH-SSS	ARI 0447-26-PN16-SH-SSS	Each	27	4.87	\$131.49	21 days	0	Each	27	\$ 4.93	\$ 133.11	56.72	N/A	\$ 139.32	\$ (7.83)	-5.95%
VLVCC765	SPRING, WASHER UNDER, FLOAT ASSEMBLY FOR ARV CLAMPING ASSEMBLY	ARI 0447-26-PN16-SH-W	ARI 0447-26-PN16-SH-W	Each	3	4.87	\$14.61	21 days	0	Each	3	\$ 4.93	\$ 14.79	56.72	N/A	\$ 15.48	\$ (0.87)	-5.95%
VLVCC770	NUIT, DOME, FLOAT ASSEMBLY FOR ARV CLAMPING ASSEMBLY	ARI 0447-26-PN16-SH-STEM	ARI 0447-26-PN16-SH-STEM	Each	10	87.6	\$876.00	21 days	0	Each	10	\$ 88.56	\$ 885.60	56.72	N/A	\$ 928.10	\$ (43.10)	-5.95%
VLVCC775	BODY, REINFORCED NYLON, FOR ARV CLAMPING ASSEMBLY	ARI 0247-0002-SH-PL	ARI 0247-0002-SH-PL	Each	10	396.25	\$3,962.50	21 days	0	Each	10	\$ 400.51	\$ 4,005.10	56.72	N/A	\$ 3,794.10	\$ 188.40	4.25%
VLVCC780	CLAMPING ASSEMBLY, FOR ARV CLAMPING ASSEMBLY	ARI 0447-PPNS-SH-KIT	ARI 0447-PPNS-SH-KIT	Each	24	282.35	\$6,776.40	21 days	0	Each	24	\$ 285.37	\$ 6,848.88	56.72	N/A	\$ 7,200.00	\$ (423.60)	-6.25%
VLVCC785	O-RING, LOWER, FOR ARV CLAMPING ASSEMBLY	ARI 0310-56208MS	ARI 0310-56208MS	Each	3	32.12	\$96.36	21 days	0	Each	3	\$ 32.48	\$ 97.44	56.72	N/A	\$ 102.12	\$ (5.76)	-5.98%
VLVCC790	FLOAT, LOWER, FOR ARV CLAMPING ASSEMBLY	ARI 0447-26-PN16-SH-FLOAT	ARI 0447-26-PN16-SH-FLOAT	Each	1	183	\$183.00	21 days	0	Each	1	\$ 185.00	\$ 185.00	56.72	N/A	\$ 193.88	\$ (10.88)	-5.65%
VLVCC795	WASHER UNDER FLOAT FOR ARV CLAMPING ASSEMBLY	ARI 0247-332656-SH	ARI 0247-332656-SH	Each	3	5.85	\$17.55	21 days	0	Each	3	\$ 5.90	\$ 17.70	56.72	N/A	\$ 18.37	\$ (0.62)	-5.81%
VLVCC800	BRASS, 2" THREADED	ARI 0247-2002NT-SH-PL	ARI 0247-2002NT-SH-PL	Each	5	287.2	\$1,436.00	21 days	0	Each	5	\$ 290.30	\$ 1,451.50	56.72	N/A	\$ 1,207.25	\$ 224.25	15.93%
VLVCC100	CAP, 6" DEBRIS, BLUE WITH LOCKING DEVICE ELL, PIPE - BRASS, 1" FIPF BOTH ENDS, 45 DEGREE	INPRA TECH GROUP SDC4568LLD4	INPRA TECH GROUP SDC4568LLD4	Each	10	60.6	\$606.00	21 days	0	Each	10	\$ 5.90	\$ 59.00	56.72	10	\$ 596.50	\$ (56.50)	-9.9932%
FTGA001	DEGREE	MERIT BRASS XNL102-16	MERIT BRASS XNL102-16	Each	30	8.04	\$241.20	21 days	0	Each	30	\$ -	\$ -	0	0	\$ 408.00	\$ (166.80)	-61.15%
FTGA002	ELL, PIPE - BRASS, 1-1/4" FIPF BOTH ENDS, 45 DEGREE	MERIT BRASS XNL102-20	MERIT BRASS XNL102-20	Each	30	12.85	\$385.50	21 days	0	Each	30	\$ -	\$ -	0	0	\$ 333.60	\$ 51.90	13.64%
FTGA003	ELL, PIPE - BRASS, 1-1/2" FIPF BOTH ENDS, 45 DEGREE	MERIT BRASS XNL102-24	MERIT BRASS XNL102-24	Each	30	16.11	\$483.30	21 days	0	Each	30	\$ -	\$ -	0	0	\$ 417.90	\$ 65.40	13.23%
FTGA004	ELL, PIPE - BRASS, 2" FIPF BOTH ENDS, 45 DEGREE	MERIT BRASS XNL102-32	MERIT BRASS XNL102-32	Each	30	26.12	\$783.60	21 days	0	Each	30	\$ -	\$ -	0	0	\$ 677.70	\$ 105.90	13.51%
VLVCC711	H-TEC 986 SS 3" FLANGED WITH REIGN PORTS.	H-TEC USA 888986001RR	H-TEC USA 888986001RR	Each	30	3580	\$107,400.00	21 days	0	Each	30	\$ 3,375.00	\$ 101,250.00	56.72	N/A	\$ 110,400.00	\$ (8,160.00)	-9.04%
VLVCC712	H-TEC 986 SS 4" FLANGED WITH REIGN PORTS.	H-TEC USA 8889861001RR	H-TEC USA 8889861001RR	Each	30	3745	\$112,350.00	21 days	0	Each	30	\$ 3,315.25	\$ 105,937.50	56.72	N/A	\$ 115,500.00	\$ (3,562.50)	-9.03%
MTECC400	PLUG, PLASTIC, BLACK, USED TO CAP HOLE IN WATER METER BOX TOP.	ESSENTRA COMPONENTS BCR230508A	ESSENTRA COMPONENTS BCR230508A	Each	8000	1.5	\$12,000.00	21 days	0	Each	8000	\$ -	\$ -	0	0	\$ 10,000.00	\$ (2,000.00)	-20.00%
						\$4,240,048.51						\$ 2,692,848.29				\$ 4,786,128.87		

Supplier	Cost
Ferguson	\$4,702,922.20
Fortline	\$1,278,214.50
Core & Main	\$147,804.13
<b>Total</b>	<b>\$6,128,940.83</b>
If Core and Main's bid is disqualified because of	
Ferguson	\$4,882,506.82

\$ 6,162,492.44

\$ 6,162,492.44

906,763.86

\$5,789,270.68

Fortline	\$1,279,985.62
Total	\$6,162,492.44
Delta	\$33,551.61

906,763.86

\$7,069,256.30

1410440646-21 Bid Analysis for Water and Wastewater Items for Capital Projects

Vendor Name:	Ferguson Waterworks																	
Item ID	Item Description	Mfg. Name & Mfg. Part Number	Quoted Mfg. Part Number	UOM	Estimated Qty (1 Year Supply)	Quoted Unit Price	One (1) Year Proposed Bid Price	Last Time In Calendar Days After Receipt of Order	Contractual Minimum Order Quantities	Last price paid	Price difference	% Change						
JANL001	BLEACH, CHLORINE, 5% - 5.25%, 1 GALLON BOTTLE, (6 BOTTLES)		Clorox	Each	2	45.38	490.76	21 days		\$ 40.20	\$50.56	125.77%						
LUBR0151	GREASE, SILICONE LUBRICANT, DOW CORNING 111 COMPOUND, 5.3 OZ. TUBE, "O" RING COMPOUND, 596, FOR SADDLES & ADJACENT EXPOSED METAL SURFACES.	DOW CORNING 61400301 WESTHOUSE 524349047		Each	1	155	1155.00	21 days		\$ 15.20	\$139.80	919.74%						
PPFP465	PIPE, DUCTILE IRON, 4", 90 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		DOW CORNING 621A00301	Each	61	85	51,185.00	21 days	20	\$ 976.00	\$4,209.00	431.25%	PVC					
ADCE001	SEALANT, THREAD WITH TEFLO, 16 OZ., ITEM 80633, PERMATEX P/N 140	TW7 PERMATEX 80633 PERMATEX 140		Each	1	45	945.00	21 days		\$ 13.99	\$101.01	221.66%						
PPFPV30	PIPE, PVC, DR18 - 4", 20 FT. LENGTHS, AWWA C-900, CLASS 150, BLUE COLOR ONLY, EAGLE LOG.		JM EAGLE ORDER BY DESCRIPTION	Feet	130	13.2	1,716.00	24 months		\$ 611.00	\$305.00	180.85%	PVC					
PPFPV50	PIPE, PVC, "EAGLE LOG", DR18 - 6", 20 FT. LENGTHS, AWWA C-900, CLASS 215, BLUE COLOR ONLY.		JM EAGLE ORDER BY DESCRIPTION	Feet	737	25.45	18,756.65	24 months	20	\$ 6,824.62	\$11,932.03	174.84%	PVC					
PPFPV70	PIPE, PVC, "EAGLE LOG", DR18 - 8", 20 FT. LENGTHS, AWWA C-900, CLASS 215, BLUE COLOR ONLY.		JM EAGLE ORDER BY DESCRIPTION	Feet	1932	43.4	84,788.80	24 months	20	\$ 16,512.00	\$38,276.80	171.25%	PVC					
PRESH200	PIPE, PVC, SCH 40 2", FLAM END, 20 FT LENGTHS		Charlotte	Feet	26	6.25	924.50	21 days	20	\$ 80.08	\$134.42	167.86%	PVC					
PRESH200	PIPE, PVC, 2", SCH 80, 20' LENGTHS		Charlotte	Feet	148	4	592.00	21 days	20	\$ 222.00	\$370.00	166.67%	PVC					
PPFPV100	PIPE, PVC, DR18, 16", AWWA C-900, CLASS 235, 20 FT LENGTHS, BLUE COLOR ONLY; NOTE: NO MORE THAN TWO (2) PIECES OF PIPE PER BUNDLE. BUNDLES WITH MORE THAN TWO PIECES PER BUNDLE WILL BE REBIDDED.		NAPCO	Feet	44	78.26	\$3,443.44	16 weeks	20	\$ 1,408.00	\$2,035.44	144.56%	PVC					
PPFPV600	PIPE, PVC, 4", DR18, 20 FT. LENGTH, AWWA C-900, CLASS 235, PIPE MUST BE COLORED PANTONE PURPLE FOR RECLAIMED WATER SERVICE. NO OTHER COLORS ALLOWED.		NAPCO	Feet	217	11.6	\$2,517.20	16 weeks	20	\$ 1,039.43	\$1,477.77	142.17%	PVC					
PPFPV006	PIPE, PVC, DR18 - 6", 20 FT. LENGTHS, AWWA C-900, CLASS 235, GREEN COLOR ONLY FOR SLOWER FLOW MAIN SYSTEM.		NAPCO	Feet	236	11.6	\$2,621.60	16 weeks	20	\$ 1,096.10	\$1,525.50	139.18%	PVC					
FTGBM40	TEE, DUCTILE IRON, MECHANICAL JOINT, 6" X 6" X 6", WITHOUT ACCESSORIES.		Tyler Union	Each	27	154	\$4,158.00	28 days		\$ 1,832.22	\$2,325.78	126.94%	DI					
PPFPV600	PIPE, PVC, DR18 - 6", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.		NAPCO	Feet	7341	13.4	98,369.40	16 weeks	20	\$ 44,065.00	\$54,323.40	123.33%	PVC					
FTGT410	BEND, DUCTILE IRON, 4", 90 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	15	66	990.00	28 days		\$ 405.00	\$544.50	122.22%	DI					
FTGT420	BEND, DUCTILE IRON, 6", 90 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	57	107	\$6,099.00	28 days		\$ 2,770.20	\$3,328.80	120.16%	DI					
FTGT430	BEND, DUCTILE IRON, 8", 90 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	30	155	\$4,650.00	28 days		\$ 2,115.00	\$2,535.00	119.86%	DI					
FTGT420	BEND, DUCTILE IRON, 4", 45 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	28	87	\$2,436.00	28 days		\$ 1,145.76	\$1,290.24	112.61%	DI					
PPFPV800	PIPE, PVC, DR18 - 8", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.		NAPCO	Feet	5712	23	\$131,376.00	16 weeks	20	\$ 62,317.92	\$69,068.08	110.82%	PVC					
FTGT430	BEND, DUCTILE IRON, 4", 45 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	10	55	\$550.00	28 days		\$ 262.40	\$287.60	109.60%	DI					
PPFC200	PIPE, PVC, SCH 40 2", 20 FT LENGTHS, BELL ON ONE END.		Charlotte	Feet	468	2.18	\$1,029.24	21 days	20	\$ 496.08	\$524.16	105.66%	PVC					
VLVFF10	BOX, VALVE JACKET RISER, 5-1/4" X 3", HEAVY DUTY, WITHOUT ACCESSORIES.	SIGMA VB-2603 STARR 388 - 3		Each	1	26.7	\$26.70	12 weeks		\$ 13.00	\$13.70	105.38%	DI					
FTGT430	BEND, DUCTILE IRON, 8", 45 DEGREE, MECHANICAL JOINT, WITHOUT ACCESSORIES.		Tyler Union	Each	25	126	\$3,150.00	28 days		\$ 1,536.00	\$1,614.00	105.08%	DI					
PPFPV100	PIPE, PVC, DR18 - 10", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.		NAPCO	Feet	44	34.55	\$1,520.20	16 weeks	20	\$ 742.72	\$777.48	104.68%	PVC					
FTGT420	BEND, DUCTILE IRON, 6", 22-1/2 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	3	70	\$210.00	28 days		\$ 102.60	\$110.40	104.68%	DI					
FTGH650	ELL, PVC, SCH 40 90 DEGREE, 2" SLIP X SLIP		Charlotte	Each	2	1.82	\$3.64	21 days		\$ 1.78	\$1.86	104.49%	DI					
FTGT420	BEND, DUCTILE IRON, 4", 22-1/2 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	2	46	\$92.00	28 days		\$ 45.24	\$46.76	103.56%	DI					
BDMAA22	IRON CONNECTION - 3/4" (COLORED ZINC PLATED).		Birmingham Fastener	Each	14	1.5	\$21.00	21 days	4	\$ 10.50	\$10.50	100.00%	DI					
FTGT470	BEND, DUCTILE IRON, 16", 45 DEGREE, MECHANICAL JOINT, (TO BE SUPPLIED WITHOUT ACCESSORIES), UNION, TYLER, U.S. PIPE ORDER BY DESCRIPTION		Tyler Union	Each	1	473	\$473.00	28 days		\$ 239.00	\$234.00	97.91%	DI					
PPFPV40	PIPE, PVC, DR18 - 4", 20 FT. LENGTHS, AWWA C-900, CLASS 150, BLUE COLOR ONLY.		NAPCO	Feet	2566	6.55	\$16,807.30	16 weeks	20	\$ 8,493.46	\$8,313.84	97.83%	PVC					
PPFPV120	PIPE, PVC, DR18 - 12", 20 FT. LENGTHS, AWWA C-900, CLASS 235, BLUE COLOR ONLY.		NAPCO	Feet	1066	48.6	\$51,807.60	16 weeks	20	\$ 26,426.14	\$25,381.46	96.05%	PVC					
FTGBK10	SLEEVE, CAST IRON, MECHANICAL JOINT, 20", 15' LONG PATTERN, WITHOUT ACCESSORIES.		SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION U.S. PIPE ORDER BY DESCRIPTION	Each	1	618	\$618.00	28 days		\$ 316.12	\$301.88	95.50%	CI					
FTGT430	BEND, DUCTILE IRON, 20", 45 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	2	680	\$1,360.00	28 days		\$ 696.64	\$663.36	95.22%	DI					
FTGBM30	TEE, DUCTILE IRON, MECHANICAL JOINT, 6" X 6" X 4", WITHOUT ACCESSORIES.		Tyler Union	Each	4	127	\$508.00	28 days		\$ 260.40	\$247.60	95.08%	DI					
FTGBM60	TEE, DUCTILE IRON, MECHANICAL JOINT, 8" X 8" X 4", WITHOUT ACCESSORIES.		Tyler Union	Each	3	148	\$444.00	28 days		\$ 227.70	\$216.30	94.99%	DI					
FTGBM10	TEE, DUCTILE IRON, MECHANICAL JOINT, 4" X 4" X 4", WITHOUT ACCESSORIES.		Tyler Union	Each	3	76	\$228.00	28 days		\$ 117.00	\$111.00	94.87%	DI					
FTGBM140	TEE, DUCTILE IRON, MECHANICAL JOINT, 12" X 12" X 6", WITHOUT ACCESSORIES.		Tyler Union	Each	4	276	\$1,104.00	28 days		\$ 567.60	\$536.40	94.50%	DI					
FTGBM80	TEE, DUCTILE IRON, MECHANICAL JOINT, 8" X 8" X 6", WITHOUT ACCESSORIES.		Tyler Union	Each	8	204	\$1,632.00	28 days		\$ 840.00	\$792.00	94.29%	DI					
FTGBM70	TEE, DUCTILE IRON, MECHANICAL JOINT, 8" X 8" X 6", WITHOUT ACCESSORIES.		Tyler Union	Each	16	169	\$2,704.00	28 days		\$ 1,392.00	\$1,312.00	94.25%	DI					
FTGBF70	PLUG, DUCTILE IRON, MECHANICAL JOINT, 6" TAPPED 2", WITHOUT ACCESSORIES.		Tyler Union	Each	23	74	\$1,702.00	28 days		\$ 876.76	\$825.24	94.12%	DI					
FTGT430	BEND, DUCTILE IRON, 12", 11-1/4 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	2	198	\$396.00	28 days		\$ 204.00	\$192.00	94.12%	DI					
FTGBM120	TEE, DUCTILE IRON, MECHANICAL JOINT, 10" X 10" X 10", WITHOUT ACCESSORIES.		Tyler Union	Each	1	291	\$291.00	28 days		\$ 150.00	\$141.00	94.00%	DI					
FTGT440	BEND, DUCTILE IRON, 10", 90 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	1	217	\$217.00	28 days		\$ 111.90	\$109.10	93.92%	DI					
PPFPW100	PIPE, PVC, SDR26-10" (14 FT JOINTS)		NAPCO	Feet	82	19.17	\$1,571.94	16 weeks	14	\$ 812.62	\$755.32	93.44%	PVC					
MHLA490	CONE, MANHOLE, 2 FT, 2 FT, HEIGHT, 4 FT, BASE, 2 FT, 8 IN. TOP, COATED WITH CONCRETE/ASPHALT OR EQUAL. * CONES TO HAVE MALE TYPED TONGUE & GROOVE UNITS, 7 DEGREE ANGLE WINGS.		AMERICAN PRECAST STRUCTURES BY DESCR HANSON PIPE BY DESCRIPTION STANDARD PRECAST BY DESCRIPTION	Each	1	735	\$735.00	16 weeks		\$ 380.00	\$355.00	93.42%	DI					
FTGT430	BEND, DUCTILE IRON, 8", 11-1/4 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	2	100	\$200.00	28 days		\$ 103.70	\$96.30	92.86%	DI					
FTGBK52	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 8", 12 LONG PATTERN, WITHOUT ACCESSORIES.		SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS Description TYLER PIPE Description U.S. PIPE Description	Each	8	139	\$1,112.00	28 days		\$ 580.72	\$531.28	91.49%	DI					
FTGT420	BEND, DUCTILE IRON, 6", 11-1/4 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	4	74	\$296.00	28 days		\$ 155.00	\$141.00	90.97%	DI					
FTGBK71	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 12", 12 LONG PATTERN, WITHOUT ACCESSORIES.		SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS Description TYLER PIPE Description U.S. PIPE Description	Each	1	223	\$223.00	28 days		\$ 116.82	\$106.18	90.89%	DI					
PPFPW100	PIPE, PVC, SDR26-12" (14 FT JOINTS)		NAPCO	Feet	172	27.6	\$4,747.20	16 weeks	14	\$ 2,488.84	\$2,258.36	90.74%	PVC					
CLQP078	CLAMP, SERVICE, 17-40-18-88 (O.D.) X 2" NPT, DOUBLE STRAP, STRAPS CARBON STEEL (ELECTRO GALVANIZED) WITH DI-CHROMATE SEAL, NUTS AND WASHERS DI-CHROMATE SEALED, SADDLE MUST HAVE MINIMUM O.D. BARE METAL.	SMITH-BLAIR INC. 313-0018814-000		Each	1	174.96	\$174.96	28 days		\$ 91.85	\$83.11	90.48%	DI					
FTGBF10	PLUG, DUCTILE IRON, MECHANICAL JOINT, 4" WITHOUT ACCESSORIES.		SMITH-BLAIR INC. 313-0018814-0	Each	1	28	\$28.00	28 days		\$ 14.72	\$13.28	90.22%	DI					
FTGC260	NIPPLE, PIPE - GALVANIZED, 2" X 3" NPT BOTH ENDS.		Ward	Each	2	4.11	\$8.22	21 days		\$ 4.34	\$3.88	89.40%	DI					
FTGT470	BEND, DUCTILE IRON, 16", 22-1/2 DEGREE, MECHANICAL JOINT, TO BE SUPPLIED WITHOUT ACCESSORIES.		Tyler Union	Each	1	413	\$413.00	28 days		\$ 218.40	\$194.60	89.10%	DI					
FTGC100	RISHING, PIPE - GALVANIZED, 2" NPT X 1-1/2" EPT.		Ward	Each	1	6.5	\$6.50	21 days		\$ 3.45	\$3.05	88.41%	DI					
FTGBH90	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 12" X 8", WITHOUT ACCESSORIES.		Tyler Union	Each	1	139	\$139.00	28 days		\$ 73.80	\$65.20	88.35%	DI					
FTGC170	RISHING, PIPE - GALVANIZED, 2" NPT X 1" EPT.		Ward	Each	2	7.41	\$14.82	21 days		\$ 7.90	\$6.92	87.59%	DI					
FTGBH00	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 4" X 3", WITHOUT ACCESSORIES.		Tyler Union	Each	1	51	\$51.00	28 days		\$ 27.20	\$23.80	87.50%	DI					
FTGBF30	PLUG, DUCTILE IRON, MECHANICAL JOINT, 4" TAPPED 2", WITHOUT ACCESSORIES.		Tyler Union	Each	14	51	\$714.00	28 days		\$ 380.80	\$333.20	87.50%	DI					
FTGC120	ELL, PIPE - GALVANIZED, 2" NPT BOTH ENDS, 90 DEGREE.		Ward	Each	1	11.8	\$11.80	21 days		\$ 6.30	\$5.50	87.30%	DI					
FTGBH10	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 6" X 4", WITHOUT ACCESSORIES.		Tyler Union	Each	3	56	\$168.00	28 days		\$ 90.24	\$77.76	86.73%	DI					
FTGT430	BEND, DUCTILE IRON, 4", 45 DEGREE, MECHANICAL JOINT, 40-MIL EPDM LINED, WITHOUT ACCESSORIES.		Tyler Union	Each	1	167	\$167.00	28 days		\$ 90.18	\$76.82	85.19%	DI					
FTGBK35	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 8", 12 LONG PATTERN, WITHOUT ACCESSORIES.		SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS Description TYLER PIPE Description U.S. PIPE Description	Each	7	87	\$609.00	28 days		\$ 329.28	\$279.72	84.95%	DI					
WFTA410	PIPE, PVC, 6" WELLPOINT HEADER, TYPE SCH40 PVC PIPE, 20 FT LENGTHS, PIPE MUST HAVE 2" SADDLES PER COMPLETE WELLPOINT SPECIFICATIONS. NOTE: MUST BE COMPLETE DEWATERING PUMPS AND WELL, WELLPOINT SYSTEMS.		COMPLETE DEWATERING AND WE	Each	87	305	\$26,535.00	21 days		\$ 14,355.00	\$12,180.00	84.85%	PVC					
FTGBH30	REDUCER, DUCTILE IRON, MECHANICAL JOINT, 8" X 6", WITHOUT ACCESSORIES.		Tyler Union	Each	4	81	\$324.00	28 days		\$ 175.36	\$148.64	84.76%	DI					
FTGT460	BEND, DUCTILE IRON, 4", 90 DEGREE, MECHANICAL JOINT, 40-MIL EPDM LINED, WITHOUT ACCESSORIES.		Tyler Union	Each	1	180	\$180.00	28 days		\$ 97.47	\$82.53	84.67%	DI					
FTGBK15	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 4", 12 LONG PATTERN, WITHOUT ACCESSORIES.		SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS Description TYLER PIPE Description U.S. PIPE Description	Each	4	52	\$208.00	28 days		\$ 112.64	\$95.36	84.66%	DI					
FTGV420	CAP, DUCTILE IRON, 6", MECHANICAL JOINT, (TO BE SUPPLIED WITHOUT ACCESSORIES).		Tyler Union	Each	2	97	\$97.00	28 days		\$ 42.24	\$35.76	84.66%						

Item #	Description	Manufacturer	Unit	QTY	Unit Price	Ext Price	Lead Time	Order Date	Order Qty	Order Price	Order Ext Price	Order Date	Order Qty	Order Price	Order Ext Price
FTGB160	PLUG, DUCTILE IRON, MECHANICAL JOINT, 12" TAPPED 2", WITHOUT ACCESSORIES.	Tyler Union	Each	2	152	\$304.00	28 days				\$ 165.76	\$138.24	83.40%		
FTGT110	BEND, DUCTILE IRON, 4", 11-1/4 DEGREE, MECHANICAL JOINT (TO BE SUPPLIED WITHOUT ACCESSORIES).	Tyler Union	Each	1	44	\$44.00	28 days				\$ 24.00	\$20.00	83.33%		
BDME460	IRON, STEEL, ALL THREADED, 3/4" DIA X 12" PLAIN FINISH ***** 12 FT LENGTHS ONLY PLEASE ***** ***** 1 EACH 1 12 FOOT EACH *****	Birmingham Fastener	Each	254	26.4	\$6,705.60	21 days				\$ 3,657.60	\$3,048.00	83.33%		
FTGBF90	PLUG, DUCTILE IRON, MECHANICAL JOINT, 6" WITHOUT ACCESSORIES.	Tyler Union	Each	3	51	\$153.00	28 days				\$ 83.52	\$69.48	83.19%		
FTGDJ320	CIRCLE-LOCK RESTRAINER KIT, 1500 CA, FOR 8" DR 18 IN DR 25 PVC, KIT TO INCLUDE MEGALUG GLAND, M3 GASKET ONLY, M3 BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	FORD UFR-1500-84-SIGMA SLCEP8 STAR PIPE PRODUCTS PVC9K40062	Each	295	73	\$21,535.00	28 days				\$ 11,758.70	\$9,776.30	83.14%		
PPEGV124	PIPE, GALVANIZED 1-1/2", THREADED & COUPLED, 21 FT LENGTHS	Wheatland Pipe	Feet	228	4.94	\$1,126.32	21 days				\$ 615.60	\$510.72	82.96%		
FTGC085	SQUARE HEAD PLUG, PIPE - GALVANIZED, 2" MIPT.	Ward	Feet	10	6.49	\$64.90	21 days				\$ 35.50	\$29.40	82.82%		
PPEV150	PIPE, PVC, DR18, 20", AWWA C900- CLASS 235, 20 FT LENGTHS. ALL PIPE MUST BE COLORED BLUE FOR WATER SERVICE. NO OTHER COLORS ARE ALLOWED.	NAPCO	Feet	44	106	\$4,664.00	16 weeks				\$ 2,552.00	\$2,112.00	82.76%		
FTGDJ315	CIRCLE-LOCK RESTRAINER KIT, 1500 CA, FOR 8" DR 18 IN DR 25 PVC, KIT TO INCLUDE MEGALUG GLAND, M3 GASKET ONLY, M3 BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	FORD UFR1500-84-SIGMA SLCEP6 STAR PIPE PRODUCTS PVC9K40062	Each	495	54	\$26,730.00	28 days				\$ 14,627.25	\$12,102.75	82.74%		
FTGL710	NIPPLE, PIPE - NO-LEAD BRASS 2" X CLOSE.	Merit Brass	Each	9	9.93	\$89.37	21 days				\$ 48.96	\$40.41	82.54%		
FTGBD40	OFFSET, DUCTILE IRON, MECHANICAL JOINT, 6", W/18" DROP, FULL BODY, WITHOUT ACCESSORIES.	Tyler Union	Each	2	250	\$500.00	28 days				\$ 273.92	\$226.08	82.54%		
FTGC120	TEE, PIPE - GALVANIZED, 2" X 2" X 2" FIPT.	Ward	Each	3	16.99	\$50.97	21 days				\$ 27.93	\$23.04	82.49%		
FTGBF90	PLUG, DUCTILE IRON, MECHANICAL JOINT, 8" TAPPED 2", WITHOUT ACCESSORIES.	Tyler Union	Each	5	98	\$490.00	28 days				\$ 268.80	\$221.20	82.29%		
FTGBF310	PLUG, DUCTILE IRON, MECHANICAL JOINT, 10" TAPPED 2", WITHOUT ACCESSORIES.	Tyler Union	Each	1	154	\$154.00	28 days				\$ 84.48	\$69.52	82.29%		
FTGT1350	BEND, DUCTILE IRON, 12", 45 DEGREE, MECHANICAL JOINT WITHOUT ACCESSORIES.	Tyler Union	Each	8	242	\$1,936.00	28 days				\$ 1,062.40	\$873.60	82.23%		
FTGDJ310	CIRCLE-LOCK RESTRAINER KIT, 1500 CA, FOR 8" DR 18 IN DR 25 PVC, KIT TO INCLUDE MEGALUG GLAND, M3 GASKET ONLY, M3 BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	FORD UFR-1500-84-SIGMA SLCEP4 STAR PIPE PRODUCTS PVC9K40062	Each	129	43	\$5,547.00	28 days				\$ 3,044.40	\$2,502.60	82.20%		
FTGBD30	OFFSET, DUCTILE IRON, MECHANICAL JOINT, 6", W/12" DROP, FULL BODY, WITHOUT ACCESSORIES.	Tyler Union	Each	2	204	\$408.00	28 days				\$ 224.00	\$184.00	82.14%		
FTGBM270	TEE, CAST IRON, MECHANICAL JOINT, 20" X 20" X 20" WITHOUT ACCESSORIES.	Tyler Union	Each	1	1161	\$1,161.00	28 days				\$ 637.50	\$523.50	82.12%		
FTGBF110	PLUG, DUCTILE IRON, MECHANICAL JOINT, 10", WITHOUT ACCESSORIES.	Tyler Union	Each	2	131	\$262.00	28 days				\$ 144.00	\$118.00	82.14%		
FTGBD60	OFFSET, CAST IRON, MECHANICAL JOINT, 8", W/18" DROP, FULL BODY, DUCTILE IRON, WITHOUT ACCESSORIES.	Tyler Union	Each	5	362	\$1,810.00	28 days				\$ 995.20	\$814.80	81.77%		
FTGT1450	BEND, DUCTILE IRON, 12", 90 DEGREE, MECHANICAL JOINT TO BE SUPPLIED WITHOUT ACCESSORIES.	Tyler Union	Each	7	292	\$2,044.00	28 days				\$ 1,124.48	\$919.52	81.77%		
PRESW40	PIPE, PVC, SDR26-8" (14 FT LENGTHS)	NAPCO	Feet	208	12.82	\$2,666.56	16 weeks				\$ 1,474.72	\$1,191.84	80.82%		
CLPN100	CLAMP, SERVICE, 8.54 - 10.10 (O.D.) X 2" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	FORD F202 (4.74-5.26) POWERSEAL CORP. 34131281CC SMITH-BLAIR INC. 313-00110109-0	Each	107	48.18	\$5,155.26	28 days				\$ 2,869.74	\$2,285.52	79.64%		
FTGT1425	BOLT, EYE 3/4" - OFFSET, NATIONAL COURSE THREAD, 4-1/2" LONG, BOLT MUST MEET ASTM A-242 SPECIFICATIONS FOR MATERIALS, HIGH STRENGTH, CORROSION RESISTANT, 839 BLACK ROLLED STEEL, MINIMUM .90 EACH PER BOX.	Tyler Union	Each	1	151	\$151.00	28 days				\$ 84.90	\$66.10	77.86%		
FASA4020	TEE, DUCTILE IRON, MECHANICAL JOINT, 16" X 16" X 16" WITHOUT ACCESSORIES.	Birmingham Fastener	Each	26	3.45	\$89.70	21 days				\$ 50.70	\$39.00	76.92%		
FTGBM230	TEE, DUCTILE IRON, MECHANICAL JOINT, 16" X 16" X 16" WITHOUT ACCESSORIES.	Tyler Union	Each	1	844	\$844.00	28 days				\$ 478.20	\$365.80	76.50%		
FTGL740	NIPPLE, PIPE - NO-LEAD BRASS 2" X 12".	Merit Brass	Each	1	47.05	\$47.05	21 days				\$ 26.67	\$20.38	76.42%		
FTGL735	NIPPLE, PIPE - NO-LEAD BRASS, 1-1/2" X 12"	ORDER BY DESCRIPTION OBD	Each	1	36.44	\$36.44	21 days				\$ 20.66	\$15.78	76.30%		
FTGL730	NIPPLE, PIPE - NO-LEAD BRASS, 2" X 6".	ORDER BY DESCRIPTION OBD	Each	7	23.88	\$167.16	21 days				\$ 95.83	\$71.33	74.43%		
FTGBK90	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 16", 15" LONG PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION I.I.S. PIPE ORDER BY DESCRIPTION	Each	1	388	\$388.00	28 days				\$ 223.26	\$164.74	73.79%		
CLPP900	CLAMP, SERVICE, 12.62 - 14.32 (O.D.) X 2" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	FORD F2021438CC4 POWERSEAL CORP. 34131281CC SMITH-BLAIR INC. 313-00110109-0	Each	6	68.43	\$410.58	28 days				\$ 238.62	\$171.96	72.06%		
CLPN800	CLAMP, SERVICE, 10.64 - 11.32 (O.D.) X 2" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	SMITH-BLAIR INC. 313-00121215-0	Each	2	72.62	\$145.24	28 days				\$ 84.42	\$60.82	72.04%		
CLPP200	CLAMP, SERVICE, 12.62 - 14.32 (O.D.) X 2" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	FORD F2021438C7 POWERSEAL CORP. 34131282CC SMITH-BLAIR INC. 313-00110115-000	Each	2	87.05	\$174.10	28 days				\$ 101.20	\$72.90	72.04%		
CLPN300	CLAMP, SERVICE, 8.54 - 10.10 (O.D.) X 2" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	SMITH-BLAIR INC. 313-101015-000 POWERSEAL CORP. 341388CC2	Each	6	55.05	\$330.30	28 days				\$ 192.00	\$138.30	72.03%		
CLPN600	CLAMP, SERVICE, 10.64 - 12.12 (O.D.) X 2" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	POWERSEAL CORP. 34131081CC SMITH-BLAIR INC. 313-121209-000	Each	1	57.04	\$57.04	28 days				\$ 33.16	\$23.88	72.01%		
FTGBK10	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 4", SHORT PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION I.I.S. PIPE ORDER BY DESCRIPTION	Each	3	34	\$102.00	28 days				\$ 59.52	\$42.48	71.37%		
PRESW40	PIPE, PVC, SDR26-4" (14 FT LENGTHS)	NAPCO	Feet	169	7.08	\$1,196.52	16 weeks				\$ 706.42	\$490.10	69.38%		
FTGBK30	SLEEVE, DUCTILE IRON, MECHANICAL JOINT, 6", SHORT PATTERN, WITHOUT ACCESSORIES.	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION I.I.S. PIPE ORDER BY DESCRIPTION	Each	2	59	\$118.00	28 days				\$ 70.40	\$47.60	67.61%		
FTGAN570	PLUG, PIPE, NO-LEAD BRASS, 2"	ORDER BY DESCRIPTION OBD	Each	1	11	\$11.00	21 days				\$ 6.57	\$4.43	67.43%		
FTGE620	SLEEVE, DUCTILE IRON, 6", MECHANICAL JOINT, 10-MIL EPOXYLINED, (TO BE SUPPLIED WITHOUT ACCESSORIES), LINDON, TN/VA (I.S. PIPE - ON FILE)	Tyler Union	Each	1	243	\$243.00	28 days				\$ 145.53	\$97.47	66.98%		
FTGA797	ELL, PIPE - NO-LEAD BRASS, 90 DEGREE, 2".	MERIT BRASS XN101 2"	Each	11	23.75	\$261.25	21 days				\$ 156.86	\$104.39	66.55%		
MHLA4004	BASE, MANHOLE HOLE ANGLE 0 DEGREE, 90 DEGREE, 180 DEGREE, 270 DEGREE, 12" HOLES, 2 FT HEIGHT, CONCRETE COATED WITH CON-SAL/CS-55 OR EQUAL, TONGUE & GROOVE (ONLY 7 DEGREE ANGLE ON JOINTS - NO SUBSTITUTES)	AMERICAN PRECAST STRUCTURES HANSON PIPE BY DESCRIPTION STANDARD PRECAST BY DESCRIPTION	Each	1	1800	\$1,800.00	16 weeks				\$ 1,090.00	\$710.00	65.14%		
PRESW40	PIPE, PVC, SDR26-4" (14 FT JOINTS)	NAPCO	Feet	13	3.17	\$41.21	16 weeks				\$ 24.96	\$16.25	65.10%		
CLPK200	CLAMP, SERVICE, 2.44-2.91 (O.D.) X 1/2" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	SMITH-BLAIR INC. 313-000219109-0	Each	2	25.66	\$51.32	28 days				\$ 31.18	\$20.14	64.59%		
CLPL400	CLAMP, SERVICE, 4.74-5.14 (O.D.) X 2", COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	POWER SEAL 3413-4C x 2CC SMITH-BLAIR INC. 313-00051415-0	Each	6	43.53	\$261.18	28 days				\$ 158.70	\$102.48	64.57%		
FTGA600	BUSHING, PIPE - NO-LEAD BRASS 1" MIPT X 3/4" FIPT.	MERIT BRASS XN114 1"x3/4"	Each	13	3.85	\$50.05	21 days				\$ 30.68	\$19.37	63.14%		
VLPF000	BOX, VALVE - PLATE W/1, ADJUSTABLE ROADWAY, ** 2 PCEE HEAVY DUTY VALVE BOX ONLY SHIP ASSEMBLED AND PALLETIZED. STACK NO MORE THAN 1 HIGH ON PALLET. LIDS OR COVERS ARE ORDERED AND SHIPPED AS SEPARATE LINE ITEMS.	EAST JORDON IRON WORKS 85501922 SETH-RUBBER FIBER (SIZE 18") RUSSCO VB2612X SIGMA VB2612X STAR PIPE PRODUCTS VB4515 TYLER PIPE ORDER BY DESCRIPTION MERIT BRASS XN114 1"x1/2"	Each	121	58	\$7,018.00	18 weeks				\$ 4,356.00	\$2,662.00	61.11%		
FTGA590	BUSHING, PIPE - NO-LEAD BRASS 1" MIPT X 1/2" FIPT.	MERIT BRASS XN114 1"x1/2"	Each	23	3.85	\$88.55	21 days				\$ 54.97	\$33.58	61.09%		
FTGT608	BEND, DUCTILE IRON, 12", 22-1/2 DEGREE, MECHANICAL JOINT, 40-MIL EPOXYLINED 40-MIL EPOXYLINED, WITHOUT ACCESSORIES.	Tyler Union	Each	2	665	\$1,330.00	28 days				\$ 836.00	\$494.00	59.09%		
FTGBK053	SLEEVE, DUCTILE IRON, 8", "GROUND DOWN", 12 LONG PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION I.I.S. PIPE ORDER BY DESCRIPTION	Each	2	440	\$880.00	28 days				\$ 563.50	\$316.50	56.17%		
FTGBK085	ADAPTER, PIPE - PVC, SCH 80, 2", SLP X MALE IRON PIPE THREAD.	Charlotte	Each	3	10.87	\$32.61	21 days				\$ 21.18	\$11.43	53.97%		
FTGBK065	SLEEVE, DUCTILE IRON, 10", "GROUND DOWN", 12 LONG PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION I.I.S. PIPE ORDER BY DESCRIPTION	Each	1	515	\$515.00	28 days				\$ 335.42	\$179.58	53.54%		
PPEP440	TUBING, POLYETHYLENE 1", CTS O.D., PE4710, SDR9, PURPLE, 250 PSI RATING, 100 FT COLLS. ** 10 COLLS SHRINK WASHER PER PALLET. 16 FT	ADVANCE DRAINAGE SYSTEMS POLYETH ENDOT INDUSTRIES ENCORE	Each	263	0.46	\$120.98	21 days				\$ 78.90	\$42.08	53.33%		
FTGDJ256	RESTRAINER KIT, 12", TO INCLUDE GLAND, M.J. RUBBER GASKET, M.J. BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	EBAA IRON 1112 SIGMA SLDPE12 STAR PIPE PRODUCTS SDR9PK12	Each	22	100.38	\$2,208.36	28 days				\$ 1,453.54	\$754.82	51.93%		
FTGDJ238	RESTRAINER KIT, 8", TO INCLUDE GLAND, M.J. RUBBER GASKET, M.J. BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	EBAA IRON 1108 SIGMA SLDPE8 STAR PIPE PRODUCTS SDR9PK8	Each	22	52.52	\$1,155.04	28 days				\$ 69.14	\$35.90	51.92%		
FTGDJ325	CIRCLE-LOCK RESTRAINER KIT, 1500 CA, FOR 10" DR 18 IN DR 25 PVC, KIT TO INCLUDE MEGALUG GLAND, M3 GASKET ONLY, M3 BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	FORD UFR-1500-84-SIGMA SLCEP10 STAR PIPE PRODUCTS PVC9K4010G2	Each	11	105.46	\$1,160.06	28 days				\$ 763.62	\$396.44	51.92%		
FTGDJ226	RESTRAINER KIT, 6", TO INCLUDE GLAND, M.J. RUBBER GASKET, M.J. BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	EBAA IRON 1106 SIGMA SLDPE6 STAR PIPE PRODUCTS SDR9PK6	Each	13	38.54	\$501.02	28 days				\$ 329.81	\$171.21	51.91%		
FTGDJ330	CIRCLE-LOCK RESTRAINER KIT, 1500 CA, FOR 12" DR 18 IN DR 25 PVC, KIT TO INCLUDE MEGALUG GLAND, M3 GASKET ONLY, M3 BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	FORD UFR-1500-84-SIGMA SLCEP12 STAR PIPE PRODUCTS PVC9K4012G2	Each	35	110.68	\$3,873.80	28 days				\$ 2,550.10	\$1,323.70	51.91%		
FTGDJ214	RESTRAINER KIT, 4", TO INCLUDE GLAND, M.J. RUBBER GASKET, M.J. BOLTS AND NUTS. ** MUST BE BOXED IN KIT FORM **	EBAA IRON 1104 SIGMA SLDPE4 STAR PIPE PRODUCTS SDR9PK4	Each	4	31.2	\$124.80	28 days				\$ 82.16	\$42.64	51.90%		
CLPN4400	CLAMP, SERVICE, 6.84 - 7.60 (O.D.) X 2", COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	FORD F202 (6.84-7.60) POWERSEAL CORP. 341388CC2 SMITH-BLAIR INC. 313-076015-000	Each	6	42.62	\$255.72	28 days				\$ 169.92	\$85.80	50.49%		
MTEBC124	WASHER, METER 1", RUBBER (METER GASKET), 1/8" THICK X 1-1/2" OVERALL DIAMETER RUBBER WASHERS ONLY. SIZE MUST BE EXACT. ***** NO SUBSTITUTES ***** ** PACKAGE 100 PER PALLET **	EGW	Each	22	0.15	\$3.30	21 days				\$ 2.20	\$1.10	50.00%		
PPEU200	TUBING, POLYETHYLENE 2" CTS O.D., PE 4710, SDR9 BLUE, 250 PSI RATING, 100 FT COLLS. ** 10 COLLS SHRINK WASHER PER PALLET **	ADVANCE DRAINAGE SYSTEMS ORDER BY DESCRIPTION ENDOT INDUSTRIES ORDER BY DESCRIPTION	Feet	2141	1.65	\$3,532.65	21 days				\$ 2,355.10	\$1,177.55	50.00%		
FTGDY120	SLEEVE, TAPPING, 16" X 8", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 17-40-17-80, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS.	FORD 1390C SIGMA PWP-C20 STAR PRC-1120	Each	13	590	\$7,670.00	28 days				\$ 4,818.45	\$2,331.55	48.39%		
FTGBK730	SLEEVE, TAPPING, 16" X 8", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 17-40-17-80, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS.	FORD FTSS178008	Each	1	1192.26	\$1,192.26	28 days				\$ 805.42	\$386.84	48.03%		
MTEC483	TOP, METER BOX, POLYMER, TOP TO HAVE ONE (2) TPL HOLE, ALL RATING, (65 SERIES)	GLASMASTERS WCS152702-101-TL	Each	3	86.35	\$259.05	20 weeks				\$ 175.47	\$83.58	47.63%		
FTGL115	NIPPLE, PIPE - STAINLESS 316 GRADE, 2" X CLOSE	ORDER BY DESCRIPTION OBD	Each	1	66.34	\$66.34	21 days				\$ 4.51	\$2.13	47.23%		
FTGBK42	SLEEVE, DUCTILE IRON, 6", "GROUND DOWN", 12 LONG PATTERN, STANDARD M3 SLEEVE AND ONE (1) ACCESSORY	SIGMA ORDER BY DESCRIPTION STAR PIPE PRODUCTS ORDER BY DESCRIPTION TYLER PIPE ORDER BY DESCRIPTION I.I.S. PIPE ORDER BY DESCRIPTION	Each	6	345	\$2,070.00	28 days				\$ 1,410.00	\$66			

Item #	Description	Quantity	Unit	Price	Ext. Price	Lead Time	Order #	Manufacturer	Notes
FTGBK70	SLEEVE, TAPPING, 1/2" X 1/2" ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 17.40-17.80, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS (P. 43-13-1040)	Each	1	1740.05	\$1,740.05	28 days		For Meter Box	
PPFP445	TUBING, POLYETHYLENE 2" CTS O.D., PE4710, SDR9, PURPLE, 250-PSI RATING, 100 FT COILS, ** 10 COILS SHIRING (OFFERED PER ROLL) ** ** ** **	Each	9	1.55	\$13.95	21 days		ADVANCE DRAINAGE SYSTEMS POI	
PPFTU124	TUBING, POLYETHYLENE 1 1/2" CTS O.D., PE4710, SDR9 BLUE, 200 PSI RATING, 100 FT COILS, ** 10 COILS SHIRING (OFFERED PER ROLL) ** ** **	Each	44	0.94	\$41.36	21 days		ADVANCE DRAINAGE SYSTEMS ORI	
CLRL70	CLAMP SERVICE, 1.54" (3.91 O.D.) X 1" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	Each	1	31.93	\$31.93	28 days		FORD F202 (5.94-6.69)	
FTGDK270	FILL PIPE - 5/8" O.D., 2" 90 DEGREE, SLIP X SLIP.	Each	1	3.96	\$3.96	21 days		Charlotte	
BOME448	ROD, STEEL, ALL THREADED, 5/8" X 12", PLAIN FINISH, 87" 16.12 FT. LENGTHS ONLY **	Each	5	16.3	\$81.50	21 days		Birmingham Fastener	
FTGDY504	SERIES 1300 PIPE RESTRAINER FOR DUCTILE IRON PIPE, 4" TO COME COMPLETE WITH THE FOLLOWING ITEMS, TWO CLAMPING RINGS, FOUR BOLTS & NUTS, THREADED RODS & NUTS.	Each	13	37.46	\$486.98	28 days		Sigma	
PPFTU100	TUBING, POLYETHYLENE 1" CTS O.D., PE4710, SDR9 BLUE, 250 PSI RATING, 100 FT COILS, SHIRING (OFFERED PER ROLL) ** ** **	Each	12637	0.45	\$5,686.65	100		ADVANCE DRAINAGE SYSTEMS ORI	
CLPM4250	SADDLE, C900 PIPE, 6" X 1/2" CC, THERMOS, EPDM GASKET, DUCTILE IRON BODY W/ FUSION EPOXY, STAINLESS STEEL (SS) 304 DOUBLE WIDE BAND, SS THREADED BOLTS. MIN. O.D. RANGE 5.26-5.28	Each	14	68	\$952.00	28 days		ORDER BY DESCRIPTION N/A	
FASCC910	WASHER, FLAT 3/4", ROUND CUT, 1/8" THICK 2" OUTSIDE DIAMETER, LOG LOG PLATE	Each	13	0.25	\$3.25	21 days	25	Birmingham Fastener	
FTGDY620	1500 CA MEGA LOG KIT, TO FIT 20" DR-18 PVC PIPE, KIT TO INCLUDE - MEGA LOG GLAND, M.J. RUBBER GASKET, M.J. BOLTS & NUTS. MUST BE ORDERED IN KIT FORM.	Each	10	308	\$3,080.00	28 days		Sigma	
FTGDY506	PIPE RESTRAINER FOR DUCTILE IRON PIPE, 6" TO COME COMPLETE WITH THE FOLLOWING ITEMS, TWO CLAMPING RINGS, FOUR BOLTS & NUTS, THREADED RODS & NUTS, TOP, METER BOX-POLYMER CONCRETE TOP, FOR SERIES 37 METER BOX, 4-8 LOAD RATING, SOLID TOP WITH (TWO) 2" TRPL. PRE-DRILLED HOLE AND 3/4" LOG, 18-1/8" LENGTH X 11-1/4" WIDTH X 1-3/4" THICK, NO HEAD ID.	Each	71	46.9	\$3,329.90	28 days		Sigma	
MTECC435	RESTRAINER, FLANGE 12" TO BE USED FOR RESTRAINING BELL JOINTS OF C-900 PIPE.	Each	7	36.3	\$254.10	20 weeks		GLASMASTERS WCS111802-101-TR	
FTGDY080	RESTRAINER, FLANGE 12" TO BE USED FOR RESTRAINING BELL JOINTS OF C-900 PIPE.	Each	38	78.4	\$2,979.20	28 days		SIGMA PWM-C8	
PPREU120	PIPE, DUCTILE IRON, 12", SLIP JOINT, PRESSURE CLASS 150 MINIMUM, 18 FOOT LENGTHS MINIMUM.	Feet	35	46.38	\$1,623.30	21 days	20	ACIPCO	
HYEE220	HYDRANT, PIPE, 5 1/4" VALVE OPENING, 1-1/2" BURY DEPTH, SUPPLIED W/O ACCESSORIES, YELLOW, 1-1/2" PENTAGON (5 SIDED) OPERATING NUTS, OPEN LEFT, ASSEMBLY NUTS AND NUTS SHALL BE 304 STAINLESS STEEL, HYDRANTS MUST BE FORKLIFT ACCESSIBLE.	Each	3	1920	\$5,760.00	20 weeks		AMERICAN FLOW CONTROL B-84-B	
WPTAA210	TOP, WELLPOINT RISER TOPS, ALUMINUM, ONE PIECE, 1-1/2" FEMALE THREAD ON ONE END AND OTHER END TO BE CLIPPED AND BEVELED TO FIT WELLPOINT SWING JOINT - TO BE COMPATIBLE AND INTERCHANGEABLE WITH COMPLETE WELLPOINT SYSTEMS.	Each	18	26	\$468.00	21 days		COMPLETE DEWATERING AND WEI	
FTGDY100	RESTRAINER, FLANGE 12" TO BE USED FOR RESTRAINING BELL JOINTS OF C-900 PIPE.	Each	35	148.13	\$5,184.55	28 days		SIGMA PWM-C12	
FTGB090	OFFSET, DUCTILE IRON, MECHANICAL JOINT, 12", W/2" DRIP, FULL BODY, WITHOUT ACCESSORIES.	Each	1	382	\$382.00	28 days		Tyler Union	
VLVGG50	COVER, VALVE BOX, HEAVY DUTY ADJUSTABLE - COVER TO BE MARKED "WATER", DETAIL PLATE #W-16. ** COVER ONLY. COVERS ARE TO BE SHIPPED SEPARATELY FROM BOXES.	Each	122	15	\$1,830.00	12 weeks		SIGMA VB2600	
FTGDY060	RESTRAINER, SPLIT GLAND, 16" - RESTRAINER FOR C-900 PVC PIPE, USED TO RESTRAIN NJ FITTINGS TO PVC PIPE. 360 DEGREE PIPE SUPPORT.	Each	9	165	\$1,485.00	28 days		SIGMA PWM-C16	
FTGBK45	SLEEVE, 6" DUCTILE IRON, LOGGING DOWN, SHORT PATTERN, STANDARD W/ SLEEVE AND (1) ACCESSORY PACK TO BE "GROUND DOWN" TO AN ID OF 7.40" ONE END OF A STANDARD SLEEVE AND THE OTHER END WILL REMAIN STANDARD. ** SHIP ACCESSORIES **	Each	1	320	\$320.00	28 days		SIGMA ORDER BY DESCRIPTION	
MHA4155	COVER AND FRAME, MANHOLE (ASSEMBLED) W/ EPDM GASKET @ DIAPHRAGM AND PROTECTIVE SKIRT, COVER TO HAVE NEW 3/4" LOGO 3/4" STANDARD PLATE S-1, ** U.S. FOUNDRY & MFG. OR EAST JORDAN IRON WORKS INC. **	Each	1	431.6	\$431.60	12 weeks	8	EAST JORDAN 00116122A01	
FTGBK710	SLEEVE, TAPPING, 1/2" X 1/2" ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 17.40-17.80, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS.	Each	1	872.54	\$872.54	28 days		FORD FTSS178004	
MTECC20	BOX, METER - POLYMER CONCRETE METER BOX, TAPERED WALL, 4" 8 LOAD RATING, 17,360 LBS MINIMUM FAILURE RATE, 12" DEPTH, (63 SERIES)	Each	12	119.42	\$1,433.04	20 weeks		GLASMASTERS WBS1527-141	
FTGDW500	RESTRAINER, SPLIT GLAND, 6" - RESTRAINER FOR C-900 PVC PIPE, USED TO RESTRAIN NJ FITTINGS TO PVC PIPE. 360 DEGREE PIPE SUPPORT.	Each	260	27	\$7,020.00	28 days		SIGMA PWM-C6	
MTECC404	TOP, METER BOX-POLYMER, TOP (TWO) 2" TRPL HOLES, 4-8 LOAD RATING, (63 SERIES)	Each	10	79.35	\$793.50	20 weeks		GLASMASTERS WCS152702-101-01	
VLVBB150	VALVE, GATE 12" - CAST BRON, MECHANICAL JOINT, BRONZE MOUNTED, OPEN LEFT, RESILIENT SEAT, NON-RISING STEM, OPERATING NUT, WITHOUT ACCESSORIES.	Each	1	1319	\$1,319.00	18 weeks		AMERICAN FLOW CONTROL 2510	
VLVEE150	VALVE, TAPPING 12" - RESILIENT SEATED, PILOT FLANGE X MECHANICAL JOINT, NON-RISING STEM, OPEN LEFT, WITHOUT ACCESSORIES, AS PER JEA SPECIFICATIONS ONLY. ONLY APPROVED VALVES WILL BE ACCEPTED.	Each	1	2508	\$2,508.00	18 weeks		AFIC	
MTECC035	BOX, METER - POLYMER CONCRETE METER BOX, STRAIGHT WALL, 4" 8 LOAD RATING, 17,360 LBS MINIMUM FAILURE RATE, 12" DEPTH, (37 SERIES)	Each	95	57.8	\$5,491.00	20 weeks		GLASMASTERS WBS11812-100	
MTECC430	TOP, METER BOX-POLYMER CONCRETE TOP, FOR SERIES 37 METER BOX, 4-8 LOAD RATING, SOLID TOP WITH (TWO) 2" TRPL. PRE-DRILLED HOLE AND 3/4" LOG, 18-1/8" LENGTH X 11-1/4" WIDTH X 1-3/4" THICK, NO HEAD ID.	Each	88	29.3	\$2,578.40	20 weeks		GLASMASTERS WCS11802-101-01	
VLVBB160	VALVE, GATE 12" - CAST BRON, MECHANICAL JOINT, OPEN LEFT, BRONZE MOUNTED, RESILIENT SEAT, NON-RISING STEM, OPERATING NUT, WITHOUT ACCESSORIES.	Each	3	1669	\$5,007.00	18 weeks		AMERICAN FLOW CONTROL 2512	
WPTAA180	JOINT, SWING, WELLPOINT COMPLETE ** ITEM MUST BE COMPATIBLE WITH COMPLETE WELLPOINT SYSTEMS **	Each	18	42	\$756.00	21 days		COMPLETE DEWATERING AND WEI	
FTGDW970	RESTRAINER, SPLIT GLAND, 10" - RESTRAINER FOR C-900 PVC PIPE, USED TO RESTRAIN NJ FITTINGS TO PVC PIPE. 360 DEGREE PIPE SUPPORT.	Each	3	74	\$222.00	28 days		SIGMA PWM-C10	
FTGDW600	RESTRAINER, SPLIT GLAND, 8" - RESTRAINER FOR C-900 PVC PIPE, USED TO RESTRAIN NJ FITTINGS TO PVC PIPE. 360 DEGREE PIPE SUPPORT.	Each	179	44	\$7,876.00	28 days		SIGMA PWM-C8	
FTGDY000	RESTRAINER, SPLIT GLAND, 12" - RESTRAINER FOR C-900 PVC PIPE, USED TO RESTRAIN NJ FITTINGS TO PVC PIPE. 360 DEGREE PIPE SUPPORT.	Each	3	79	\$237.00	28 days		SIGMA PWM-C12	
HYEE190	HYDRANT, PIPE, 5 1/4" VALVE OPENING, 3" BURY DEPTH, SUPPLIED W/O ACCESSORIES, YELLOW, 1-1/2" PENTAGON (5 SIDED) OPERATING NUTS, OPEN LEFT, ASSEMBLY NUTS AND BOLTS SHALL BE 304 STAINLESS STEEL, HYDRANTS MUST BE FORKLIFT ACCESSIBLE.	Each	2	1790	\$3,580.00	20 weeks		AMERICAN FLOW CONTROL B-84-B	
CLRL250	SADDLE, C900 PIPE, 4" X 1/2" CC, THERMOS, EPDM GASKET, DUCTILE IRON BODY W/ FUSION EPOXY, STAINLESS STEEL (SS) 304 DOUBLE WIDE BAND, SS THREADED BOLTS. MIN. O.D. RANGE 5.26-5.28	Each	7	58.8	\$411.60	28 days		ORDER BY DESCRIPTION N/A	
FTGH090	COUPLING, PIPE - GALVANIZED, 2" FIT X 2" FIT, MUST BE SMOOTH OUTSIDE, NO RIDGES.	Each	2	6.28	\$12.56	21 days		Ward	
VLVEE110	VALVE, TAPPING 4" - RESILIENT SEATED, PILOT FLANGE X MECHANICAL JOINT, NON-RISING STEM, OPEN LEFT, WITHOUT ACCESSORIES, AS PER JEA SPECIFICATIONS ONLY. ONLY APPROVED VALVES WILL BE ACCEPTED.	Each	5	525	\$2,625.00	18 weeks		AFIC	
VLVEE130	VALVE, TAPPING 6" - RESILIENT SEATED, PILOT FLANGE X MECHANICAL JOINT, NON-RISING STEM, OPEN LEFT, WITHOUT ACCESSORIES, AS PER JEA SPECIFICATIONS ONLY. ONLY APPROVED VALVES WILL BE ACCEPTED.	Each	7	1094	\$7,658.00	18 weeks		AFIC	
VLVEE140	VALVE, TAPPING 8" - RESILIENT SEATED, PILOT FLANGE X MECHANICAL JOINT, NON-RISING STEM, OPEN LEFT, WITHOUT ACCESSORIES, AS PER JEA SPECIFICATIONS ONLY. ONLY APPROVED VALVES WILL BE ACCEPTED.	Each	1	1660	\$1,660.00	18 weeks		AFIC	
VLVEE120	VALVE, TAPPING 6" - RESILIENT SEATED, PILOT FLANGE X MECHANICAL JOINT, NON-RISING STEM, OPEN LEFT, WITHOUT ACCESSORIES, AS PER JEA SPECIFICATIONS ONLY. ONLY APPROVED VALVES WILL BE ACCEPTED.	Each	14	741	\$10,374.00	18 weeks		AFIC	
WPTAA010	WELLPOINTS, SELF SETTING, TOP THREADED FOR 1-1/2" STANDARD PIPE, 2.60 O.D., REMOVABLE PVC SCREEN, HEAVY DUTY STEEL, INFLOW PIPE WITH SUCTION HOLES AT THE BOTTOM, ANGULAR CAST IRON HEAD WITH HEAVY FITTING THREAD AND A SINGLE BALL VALVE ** M.I.S.	Each	18	105	\$1,890.00	21 days		COMPLETE DEWATERING AND WEI	
FTGBY260	RESTRAINER, BOLTLESS 2" GALVANIZED, LONG.	Each	3	37.19	\$111.57	28 days		TPS 6000-2375-150	
FTGDW400	RESTRAINER, SPLIT GLAND, 4" - RESTRAINER FOR C-900 PVC PIPE, USED TO RESTRAIN NJ FITTINGS TO PVC PIPE. 360 DEGREE PIPE SUPPORT.	Each	59	21	\$1,239.00	28 days		SIGMA PWM-C4	
FTGDQ210	CLEANER, PVC - PVC PIPE AND FITTING CLEANER, CHEMICAL FORMULA WHICH ALLOWS QUICK CLEANING AND RAPID EVAPORATION. E-2 WELD PIPE CLEANER OR EQUAL. *** ONE GALLON CONTAINERS ONLY ***	Gallon	4	25.86	\$103.44	21 days		UNIFLANGE PER 1300-C-4-1	
FTGBY600	COUPLING, BOLTLESS 2" FOR GALVANIZED PIPE (2.375 O.D.), STEEL CONSTRUCTION, BODY SIZE 5/8" DIA. METER X 8" LENGTH, COUPLING LENGTH 5", 1500 PSI MINIMUM WORKING PRESSURE - 2 BARS	Each	10	47.65	\$476.50	28 days		DRESSER INDUSTRIES, INC. 38-001-013	
CLPJ900	CLAMP SERVICE, 2.25 X 2.56 (O.D.) X 1" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED.	Each	9	20	\$180.00	28 days		FORD F202 (3.89-4.25)	
MTECC107	WASHER, METER 3/8" RUBBER (METER GASKET) 1/8" THICK X 1 1/2" OVERALL DIAMETER RUBBER WASHERS ONLY. SIZE MUST BE EXACT. **** NO SUBSTITUTE ****. *** PACKAGE 100 EACH PER BOX ****	Each	22	0.1	\$2.20	21 days		EGW	
MTECC119	WASHER, METER 3/4" RUBBER (METER GASKET) 1/8" THICK X 1 1/2" OVERALL DIAMETER RUBBER WASHERS ONLY. SIZE MUST BE EXACT. **** NO SUBSTITUTE ****. *** PACKAGE 100 EACH PER BOX ****	Each	35	0.1	\$3.50	21 days		EGW	

Item ID	Description	Quantity	Unit	Price	Material	Lead Time	Cost	Weight	Volume
FTGD0130	CEMENT, PVC-HEAVY DUTY, BLUE INDUSTRIAL GRADE (EMENT FOR SOH-80, MEDIUM BOUNDED RISE SET, FAST CURING, METEORIC FLOW, FINEST GROUT, 50 LB BAG)	1	EA	14.68	OATEY CO. 30894	21 days	14.68	58.72	21.00
FASC700	NUT, HEX HEAD - 3/4" X 10, STANDARD GRADE, HEAVY PATTERN, NATIONAL COURSE THREAD (50) OR 100 PER BOX OR BAG)	421	EA	0.36	Birmingham Fastener	21 days	151.56	122.09	529.47
VLVD0580	VALVE, CURB STOP, 1" RECLAIM WATER	1	EA	81.53	FORD 3710BRW4144W	10 Weeks	81.53	66.35	529.47
VLVD0314	NO LEAD CONSTRUCTED VALVE, CURB STOP - 1", BALL TYPE, FULL PORT ROUNDWAY, WITH LOCK WING, COMPRESSION (RANGE NOTE)	345	EA	66.5	FORD B41-444W-NL	10 Weeks	22,842.50	24,426.00	55,416.50
CLPM200	NO LEAD BRASS VALVE, CORP STOP 1", INLET: COPPER TO COPPER THREAD, OUTLET: CONDUCTIVE COMPRESSION CONNECTION FOR TYPE "K" COPPER SERVICE PIPE OR PLASTIC PIPE HAVING SAME O.D.	145	EA	26.9	FORD F202 (6.84-7.60)	28 days	3,900.50	3,207.40	5693.10
VLVD0170	CLAMP, SERVICE, 6.84 - 7.60 (O.D.) X 1" COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED	334	EA	46.8	FORD F1000-4-NL	10 Weeks	15,631.20	12,859.00	52,772.20
LBMA310	CRANK CUTTING	1	EA	28	MUELLER 88366	28 days	28.00	23.20	54.80
FTGBK60	SLEEVE, TAPPING, 1 1/2" X 6", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 1.10-1.11.0, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	2	EA	663.5	Ford Meter Box	28 days	1,327.00	1,100.18	\$226.82
MTEAC050	COUPLING, METR, 2" X 2" MIP OUTLET, CONSISTING OF HEX TO BARREL, NO LEAD BRONZE CONSTRUCTED, LENGTH OF 3-1/2"	3	EA	50.34	FORD C38-77-3-0625-NL	10 Weeks	151.02	126.09	\$24.93
FTGBK60	SLEEVE, TAPPING, 1 1/2" X 4", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 1.10-1.11.0, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	1	EA	590.2	Ford Meter Box	28 days	590.20	494.37	\$95.83
FTQY200	RESTRAINER, UNIFLANGE 6", USED TO RESTRAIN PVC DRIB FITTINGS, 10" X 6" COPPER	5	EA	52.15	FORD UFR1360-C-61 SIGMA PWFFCS	28 days	260.75	219.05	\$41.70
FTGBK548	SLEEVE, TAPPING, 8" X 4", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 7.30 - 7.50, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	2	EA	516.51	Ford Meter Box	28 days	1,033.02	868.98	\$164.04
FTGBK50	SLEEVE, TAPPING, 8" X 8", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 8.05 - 9.35, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	4	EA	733.88	Ford Meter Box	28 days	2,935.52	2,486.16	\$449.36
FTGBY50	COUPLING, BOLT-1-1/2", FOR GALVANIZED PIPE (1.30 O.D.), STEEL CONSTRUCTION, BOLT SIZE = 1/2" DIAMETER X 7" LENGTH, COUPLING LENGTH 5", 150 LB MINIMUM WORKING PRESSURE	1	EA	37.69	DRESSER INDUSTRIES, INC. 38 W/ARMORED GASKET SMITH BLAIR 411-00019001-015.	28 days	37.69	31.94	\$5.75
HYDEE210	HYDRANT, FIRE, 5-1/4" VALVE OPENING, 3-1/2" BURY DEPTH, SUPPLIED W/O ACCESSORIES, YELLOW, 1-1/2" PENTAGON (5 SIDED) OPERATING NUTS, OPEN LEFT, ASSEMBLY NUTS AND BOLTS SHALL BE 304 STAINLESS STEEL, HYDRANTS MUST BE FORKLIFT ACCESSIBLE.	13	EA	1675	AMERICAN FLOW CONTROL B-84-B - 4" AVK 2780 - 4" M & H 1297 - 5-1/4" X 4" M&H 1297N6 - 5-1/4" X 4" MUELLER A-423 - 4" (S-PIPE MPT 2884 - 4")	20 weeks	21,775.00	18,557.50	\$3,217.50
VLVB120	VALVE, GATE 6" - CAST IRON, MECHANICAL JOINT, BRONZE MOUNTED, OPEN LEFT, RESILIENT SEAT, NON-RISEING STEM, OPERATING NUT, WITHOUT ACCESSORIES	70	EA	480	AMERICAN FLOW CONTROL 2506 AMERICAN RD D100 AVI SERIES 45 CLOW F-6100 KENNEDY VALVE 4571 M&H 4067 MUELLER A2360, A2361 (S-PIPE 300)	18 weeks	33,600.00	28,641.20	\$4,958.80
CLPL200	CLAMP, SERVICE, 4.74-5.63 (O.D.) X 1", COPPER TO COPPER THREAD, SERVICE CLAMP MUST HAVE THE MINIMUM O.D. RANGE NOTED	45	EA	20.4	FORD F202 (4.74-5.26) POWERSEAL CORP. 3413481CC	28 days	1,080.00	921.15	\$158.85
MHLA110	COUPLING, MANHOLE 8" - PVC COUPLING FOR 50R26 PIPE, PIPE LENGTH MIN. 8" COUPLING TO HAVE PERMANENT EXTERIOR EPOXY BONDED AGGREGATE TEXTURIZED TO ADHERE TO THE PVC COUPLING EXTERIOR AGGREGATED TO PROVIDE BONDING SURFACE FOR GROUTING PURPOSES	2	EA	32.19	Multi-Fittings	21 days	64.38	55.18	\$9.20
MHLA100	COUPLING, MANHOLE 6" - PVC COUPLING FOR 50R26 PIPE, PIPE LENGTH MIN. 8 INCHES, COUPLING TO HAVE EXTERIOR EPOXY BONDED AGGREGATE TEXTURIZED TO ADHERE TO THE PVC COUPLING EXTERIOR AGGREGATED TO PROVIDE BONDING SURFACE FOR GROUTING PURPOSES	1	EA	28.84	Multi-Fittings	21 days	28.84	24.72	\$4.12
FTGBK610	SLEEVE, TAPPING, 1 1/2" X 6", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 1.10-1.11.0, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	2	EA	611.88	Ford Meter Box	28 days	1,223.76	1,054.52	\$169.24
HYDEE200	HYDRANT, FIRE, 5-1/4" VALVE OPENING, 3-1/2" BURY DEPTH, SUPPLIED W/O ACCESSORIES, YELLOW, 1-1/2" PENTAGON (5 SIDED) OPERATING NUTS, OPEN LEFT, ASSEMBLY NUTS AND BOLTS SHALL BE 304 STAINLESS STEEL, HYDRANTS MUST BE FORKLIFT ACCESSIBLE.	12	EA	1635	AMERICAN FLOW CONTROL B-84-B - 4" AVK 2780 - 3-1/2" M & H 1297 - 5-1/4" X 3-1/2" M&H 1297N6 - 5-1/4" X 3-1/2" MUELLER A423 - 3-1/2" (S-PIPE MPT 2884 - 3-1/2")	20 weeks	19,620.00	16,920.00	\$2,700.00
BDNEE500	SILT SCREEN - 3" X 100' ROLLS, BLACK COLOR, ROLLS TO BE STAKED EVERY 10 FT. WITH 4" STAKES, MUST COMPLY TO CURRENT DOT STANDARDS. (*** EACH = 1 ROLL.***)	3	EA	15.6	ACF	21 days	46.80	40.50	\$6.30
VLVB140	VALVE, GATE 8" - CAST IRON, MECHANICAL JOINT, OPEN LEFT, BRONZE MOUNTED, RESILIENT SEAT, NON-RISEING STEM, OPERATING NUT, WITHOUT ACCESSORIES	23	EA	762	AMERICAN FLOW CONTROL 2508 AMERICAN RD D100 AVI SERIES 45 CLOW F-6100 KENNEDY VALVE 4571 M&H 4067 MUELLER A2360, A2361 (S-PIPE 300)	18 weeks	17,526.00	15,181.84	\$2,344.16
VLVB115	VALVE, GATE 4" - CAST IRON, MECHANICAL JOINT, BRONZE MOUNTED, OPEN LEFT, RESILIENT SEAT, NON-RISEING STEM, OPERATING NUT, WITHOUT ACCESSORIES	13	EA	375	AMERICAN FLOW CONTROL 2504 AMERICAN RD D100 AVI SERIES 45 CLOW F-6100 KENNEDY VALVE 4571 M&H 4067 MUELLER A2360, A2361 (S-PIPE 300)	18 weeks	4,875.00	4,223.18	\$651.82
BDMA1137	CEMENT, 94 LB. BAG (PORTLAND CEMENT)	3	EA	9.98	Titan	21 days	29.94	26.25	\$3.69
ACCL138	FLANGE PACK, 8" FLANGE FITTINGS, PACK TO INCLUDE FLANGE GASKET, BOLTS & NUTS, GASKET SHALL BE 1/8" THICK BALL FACED SEED RUBBER.	2	EA	17.4	FNW	21 days	34.80	30.52	\$4.28
FTGBK620	SLEEVE, TAPPING, 1 1/2" X 6", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 1.10-1.11.0, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	1	EA	812.79	Ford Meter Box	28 days	812.79	713.00	\$99.79
FTGBK450	SLEEVE, TAPPING, 4" X 4", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 4.70 - 4.90, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	1	EA	434.98	Ford Meter Box	28 days	434.98	382.66	\$52.32
FTGBK650	SLEEVE, TAPPING, 1 1/2" X 6", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 1.10-1.11.0, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	1	EA	603.07	Ford Meter Box	28 days	603.07	532.59	\$70.48
FTGBK540	SLEEVE, TAPPING, 8" X 8", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 8.05 - 9.35, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	3	EA	516.51	Ford Meter Box	28 days	1,549.53	1,368.66	\$180.87
FTGBK544	SLEEVE, TAPPING, 8" X 8", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 7.10 - 7.30, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	1	EA	516.51	Ford Meter Box	28 days	516.51	456.22	\$60.29
MTEAC080	NO LEAD CONSTRUCTED COUPLING, METR, STRAIGHT, 3/4" X 1-1/2" MALE IRON PIPE (DRESS)	70	EA	13.21	FORD METER BOX COMPANY C38-24-2-5-NL	10 Weeks	924.70	823.90	\$100.80
VLVD0115	NO LEAD VALVE, CORP STOP, 1" MIP INLET - 1" COMPRESSION FOR POLYETHYLENE RUBBER OUTLET (P/N F 1100-41)	21	EA	43.06	FORD F1100-4-NL	10 Weeks	904.26	808.29	\$95.97
VLVD0114	NO LEAD CONSTRUCTED VALVE, CURB STOP, 1", BALL TYPE, FIP 2.82, WITH LOCK WING, BALL ROSE OUTLET (P/N F 1100-41)	1	EA	71.46	FORD B11-444W-NL	10 Weeks	67.46	63.89	\$7.57
FTGBM005	TEE, BLACK JOINT, 2" X 1" BRASS	3	EA	103.04	FORD METER BOX COMPANY T441-774-NL	14 weeks	309.12	276.39	\$32.73
VLVD0562	NO LEAD CONSTRUCTED VALVE, CURB STOP, 2" COMPRESSION & FIP, BALL VALVE, FULL PORT, TO BE SUPPLIED WITH BALL TYPE WINGS	43	EA	237.22	FORD B41-777W-NL	10 Weeks	10,200.46	9,121.59	\$1,078.87
VLVD0320	NO LEAD CONSTRUCTED VALVE, BALL, CURB STOP, 1-1/2" BALL TYPE FEMALE IRON PIPE X COMPRESSION (OR PACK W/INTL. FIP) 30FT. ONLY, BALL LOCK WINGS	1	EA	171.14	FORD B41-666W-NL	10 Weeks	171.14	153.04	\$18.10
VLVD0147	NO LEAD VALVE, CORP STOP, 2" BALL TYPE, IRON PIPE (THRU)	2	EA	265.28	FORD FB1100-7-NL	10 Weeks	530.56	467.14	\$63.42
VLVD0500	NO LEAD CONSTRUCTED VALVE, CURB STOP, 2" FIP X FIP, BALL VALVE, FULL PORT, TO BE SUPPLIED WITH PADLOCK WINGS	7	EA	210.33	FORD B11-777W-NL	10 Weeks	1,472.31	1,316.63	\$155.68
FTQEE005	COUPLING, 3" HYMAX, RANGE 3.46-13.43 EACH SIDE, FITS AC, CI, PVC HOPE - LENGTH 8.7" - EPOXY COATED - WATERBORER APPLICATIONS - 2 EACH STAINLESS STEEL BOLTS (ON EACH END) STAB TYPE INSTALLATION (NO DISASSEMBLY REQUIRED)	4	EA	136	KRAUSZ USA 2000-0433-260 (HYMAX) KRAUSZ USA 860-54-0088-16 (HYMAX)	21 days	544.00	487.80	\$56.20
BDMA223	MANHOLE, CONCRETE, PORTLAND CEMENT CLINCK SCRUTTER, 6" GUM TON BALL ANTI-HYDRO P/B MANIF. OPT	1	EA	23.17	Lambert	21 days	23.17	21.05	\$2.12
FTGBK570	SLEEVE, TAPPING, 8" X 8", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 9.05 - 9.35, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	4	EA	549.48	Ford Meter Box	28 days	2,197.92	2,001.04	\$196.88
FTGBK560	SLEEVE, TAPPING, 8" X 4", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 9.05 - 9.35, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	1	EA	494.05	Ford Meter Box	28 days	494.05	455.20	\$38.85
MHLA240	SEALANT, JOINT, MANHOLE (R&M) MED. 30 PCS PER BOX, EACH PEECE TO BE 1-1/2" WIDTH X 3-1/2" LENGTH, DENSITY OF SEALANT TO BE A MINIMUM OF 22.5 CUBIC INCH PER LINEAL FT. SEALANT TO BE PACKAGED 30 PEECES PER BOX. (R&M) MED. COURSE, GLE STAYS 45	1	EA	65	Delbatto	21 days	65.00	60.00	\$5.00
FTGBK570	SLEEVE, TAPPING, 1 1/2" X 6", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 1.10-1.11.0, SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS	1	EA	802.23	Ford Meter Box	28 days	802.23	741.03	\$61.20
MTEAC020	COUPLING, METR, 3/4" X 3/4" MIP OUTLET, CONSISTING OF HEX TO BARREL, NO LEAD BRONZE CONSTRUCTED, LENGTH OF 2-1/2"	3	EA	8.1	FORD C38-23-2-5-NL MUELLER H-1086N	10 Weeks	24.30	22.59	\$1.71
FTGBE115	ADAPTER, BALL HEAD SERVICE 2" FIP INLET: (4) FOUR 1" FIP OUTLETS	3	EA	64.15	FORD Y11-474-NL	10 Weeks	192.45	178.98	\$13.47

VLVD0310	NO LEAD VALVE STOP CURB COPPER TO COPPER 1", INVERTED KEY (GROUND KEY) WITH CHECK LOCK TYPE, INLET: COPPER, OUTLET: FIP/6" F. 1/2" BSP. THREAD.	FORD ZVC-3W-NL		Each	3	66.24	\$198.72	10 Weeks	\$	184.83	\$13.89	7.52%
VLVC500	VALVE, HOSE BIBB 3/4" BRASS	EZFLO 20183	FORD ZVC-3W-NL	Each	7	5.1	\$35.70	21 days	\$	33.25	\$2.45	7.37%
MTEAC030	COUPLING, METER, 1" X 1" MIP OUTLET, CONSISTING OF HEX TO BARREL, NO LEAD BRONZE CONSTRUCTED, LENGTH OF 2-5/8"	FORD C38-44-2-625-NL	FORD C38-44-2-625-NL	Each	1	12.46	\$12.46	10 Weeks	\$	11.66	\$0.80	6.86%
FTGZ2410	NO LEAD COUPLING, STRAIGHT, 1", MIP TO COMPRESSION, FOR POLYBUTYLENE TUBING	FORD C84-44-NL	FORD C84-44-NL	Each	2	14.76	\$29.52	10 Weeks	\$	27.64	\$1.88	6.80%
VLVD009	NO LEAD VALVE, CORP STOP, 1" CC THREAD X FIP THREAD, INVERTED KEY (GROUND KEY) OR BALL TYPE.	FORD C38-44-2-625-NL MUELLER H-14528N MUELLER B-20040N MUELLER H-10045N	FORD F1600-4-NL	Each	5	40.49	\$202.45	10 Weeks	\$	189.60	\$12.85	6.78%
FTGZ2430	NO LEAD COUPLING, STRAIGHT, 2", MIP TO COMPRESSION, FOR POLYBUTYLENE TUBING	FORD C84-77-NL	FORD C84-77-NL	Each	21	58.89	\$1,236.69	10 Weeks	\$	1,158.36	\$78.33	6.76%
MTEB020	NO LEAD CONSTRUCTED RESETER, 5/8"X3/8" 9", MUST BE HORIZONTAL WITH LOCK WING SIDE	FORD V41-9W-NL	FORD V41-9W-NL	Each	1	72.5	\$72.50	14 weeks	\$	67.91	\$4.59	6.76%
MTEAC010	COUPLING, METER, 5/8" X 1/2" MIP OUTLET, CONSISTING OF HEX TO BARREL, NO LEAD BRONZE CONSTRUCTED, LENGTH OF 2-5/8"	FORD C38-11-2-375-NL	FORD C38-11-2-375-NL	Each	29	7.12	\$206.48	10 Weeks	\$	193.43	\$13.05	6.75%
VLVD0140	NO LEAD VALVE, CORP STOP, 2", INLET: COPPER TO COPPER THREAD, OUTLET: COMPRESSION (OR PACK JOINT)	FORD FB1000-7-NL MCDONALD 4701B-22FT MUELLER H-10000N	FORD FB1000-7-NL	Each	22	195.95	\$4,310.90	10 Weeks	\$	4,038.54	\$272.36	6.74%
FTGZ2320	NO LEAD COUPLING, STRAIGHT 2", COMPRESSION X COMPRESSION, FOR POLYBUTYLENE TUBING, LUBRICANT, PVC, EASE ON PIPE JOINT LUBRICANT, CONCORD CHEMICAL CO. OR ACCEPTABLE EQUAL FOR ASSEMBLY OF PUSH ON PIPE JOINTS WITH RUBBER OR SYNTHETIC RUBBER TYPE GASKETS. **** ONE GALLON CONTAINER ONLY. ****	FORD C44-77-NL	FORD C44-77-NL	Each	7	78.39	\$548.73	10 Weeks	\$	514.08	\$34.65	6.74%
FTGD0310	NO LEAD VALVE, CORP STOP, 1" CC THREAD X FIP THREAD, INVERTED KEY (GROUND KEY) OR BALL TYPE.	FORD C04-77-NL MUELLER H-15071N	Pro-Select	Gallon	75	11.89	\$891.75	21 days	\$	837.00	\$54.75	6.54%
FTGZ2210	NO LEAD COUPLING, STRAIGHT 2", (404-77), FEMALE COPPER THREAD X COMPRESSION, COMPRESSION FOR 250 PSI EXP. POLYBUTYLENE TUBING	FORD C04-77-NL	FORD C04-77-NL	Each	3	75.08	\$225.24	10 Weeks	\$	211.98	\$13.26	6.26%
FTGAE125	WYE, BRASS NL, 2" SINGLE BRANCH W/ TWO MULTI-BRANCH 1", PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS.	FORD Y44-274-NL	FORD Y44-274-NL	Each	4	87.78	\$351.12	14 weeks	\$	332.80	\$18.32	5.50%
VLVB180	VALVE, GATE 20" - CAST IRON BODY, BRONZE MOUNTED, RESILIENT SEAT, MECHANICAL JOINT, NON-RISING STEM, OPEN LEFT W/ ACCESSORIES. APPROVED VALVES ONLY	AFC 2520	AFC 2520	Each	2	9250	\$18,500.00	8 weeks	\$	17,560.00	\$940.00	5.35%
BDMAA241	CONCRETE MIX. 60 FORD BAG, COMPRESSIVE STRENGTH OF 4,000 PSI (28 DAY).	QUIKRETE 1101	QUIKRETE 1101	Each	7	3.91	\$27.37	21 days	\$	26.25	\$1.12	4.27%
VLVB870	VALVE, GATE, NO LEAD BRONZE - 2", FIP, 150 PSI CLASS, HANDWHEEL OPERATED, OPEN LEFT, NON-RISING STEM, VALVES MUST BE SUPPLIED PER APPROVED VALVE LIST & SPECIFICATIONS.	NIBCO T-113-LF 2"	NIBCO T-113-LF 2"	Each	5	125.34	\$626.70	21 days	\$	607.10	\$19.60	3.23%
FTGBK530	SLEEVE, TAPPING, 6" X 4", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 4.80 - 5.00. SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS.	FORD FB800-7-NL MUELLER H-10003N	Ford Meter Box	Each	1	453.31	\$453.31	28 days	\$	439.66	\$13.65	3.10%
VLVD0210	NO LEAD BRASS VALVE, CORP STOP, 2" X 2-1/2", INLET: COPPER TO COPPER, OUTLET: INCREASING IRON PIPE THREAD	FORD F800-7-NL	FORD F800-7-NL	Each	1	185.41	\$185.41	10 Weeks	\$	180.68	\$4.73	2.62%
CLPK000	CLAMP, SERVICE, 2.38 X 1", BRONZE, COPPER TO COPPER THREAD	FORD S70-204	FORD S70-204	Each	9	18.46	\$166.14	28 days	\$	166.05	\$0.09	0.05%
BDMAA125	BRICK, COMMON - #2 SOLID RED BRICK, ASTM-32, SM AND MS GRADE, PRE-STACKED & Banded FOR FORKLIFT UNLOADING 2-1/4" X 3-1/2" X 7-3/4". SOLID BRICK ONLY, NO CHISEL BRICK ALLOWED.	BORAL #2 SOLID/RED	BORAL #2 SOLID/RED	Each	65	0.7	\$45.50	21 days	\$	45.50	\$0.00	0.00%
FTGBK455	SLEEVE, TAPPING, 4" X 4", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 4.80 - 5.00. SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS.	Ford Meter Box	Ford Meter Box	Each	1	434.98	\$434.98	28 days	\$	441.97	-\$6.99	-1.58%
FTGBK630	SLEEVE, TAPPING, 10" X 10" ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 11.10-11.40. SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS.	Ford Meter Box	Ford Meter Box	Each	1	979.56	\$979.56	28 days	\$	1,000.00	-\$20.44	-2.04%
FASCD045	LUG, TIE (DACL), DUCTILE - USED WITH TIE RODS TO RESTRAIN NO FITTINGS, LUGS MUST ACCEPT 3/4" 4" THREAD ROD, 72,000 LB. TENSILE STRENGTH (MIN.), 50,000 LB. YIELD STRENGTH (MIN.), APPROVED MANUF. ONLY, **** NO SUBSTITUTIONS ****	ROMAC INDUSTRIES DUCTILE LUG	ROMAC INDUSTRIES DUCTILE LUG	Each	405	2.39	\$967.95	21 days	\$	1,012.50	-\$44.55	-4.40%
VLVB170	VALVE, GATE 16" - CAST IRON BODY, BRONZE MOUNTED, RESILIENT SEAT, MECHANICAL JOINT, NON-RISING STEM, W/ ACCESSORIES (AS PER APPROVED GATE VALVE LISTING) OPEN LEFT	AFC 2516	AFC 2516	Each	1	3470	\$3,470.00	8 weeks	\$	3,661.20	-\$191.20	-5.22%
FTGAE200	BUSHING, NO LEAD BRASS - 1"CC X 3/4"CC THREAD, BUSHING TO BE USED IN SERVICE SADDLES TO REDUCE DOWN SIZE OF TUBING	FORD BBAA-43-NL	FORD BBAA-43-NL	Each	3	10.98	\$32.94	14 weeks	\$	34.80	-\$1.86	-5.34%
FTGBK590	SLEEVE, TAPPING, 8" X 6", ALL STAINLESS STEEL, FULL CIRCLE GASKET, SLEEVE MUST HAVE A MINIMUM O.D. RANGE OF 9.30 - 9.60. SLEEVE TO BE FURNISHED W/ ALL NECESSARY HARDWARE - SLEEVE TO BE SUPPLIED AS PER SPECIFICATIONS.	Ford Meter Box	Ford Meter Box	Each	1	549.48	\$549.48	28 days	\$	586.00	-\$36.52	-6.23%
ELMCH955	WIRE, TRACE, DIRECT BURY, #12 AWG HS-CCS, BLUE INSULATION, 0.07" HOPE INSULATION THICKNESS, 141" O.D., MIN. RATED BREAK LOAD 250 LBS., 30 VOLT, 21% IACS, 50 FT. REEL	COPPER HEAD INDUSTRIES SOLOSHOT-1230H5500 PRO-LINE SAFETY PRODUCTS CO. PRO-TRACE-144120332	PRO-LINE SAFETY PRODUCTS CO. P	Feet	19893	0.11	\$2,188.23	28 days	\$	2,387.16	-\$198.93	-8.33%
FTGBH160	INACTIVE - TIE, DUCTILE IRON, MECHANICAL JOINT, 12" X 12" X 3/4" WITHOUT ACCESSORIES.	Tyler Union	Tyler Union	Each	1	407	\$407.00	28 days	\$	445.86	-\$38.86	-8.72%
PNTA0464	PAINT, MARKING, UPSIDE-DOWN, 4.5" W/AL. BLUE, 20 OZ. AEROSOL CAN, CAN MUST FIT KRYLON SPRAY WAND #KRY7095, NON-CLOGGING, WATER-BASED PAINT	RUSTOLEUM 203031	RUSTOLEUM 203031	Each	3	3.56	\$10.68	21 days	\$	12.75	-\$2.07	-16.24%
ELMCH951	WIRE, TRACE, DIRECT BURY, #12 AWG HS-CCS, GREEN INSULATION, 0.07" HOPE INSULATION THICKNESS, 141" O.D., MIN. RATED BREAK LOAD 250 LBS., 30 VOLT, 21% IACS, 50 FT. REEL	COPPER HEAD INDUSTRIES SOLOSHOT-1230H5500 PRO-LINE SAFETY PRODUCTS CO. PRO-TRACE-144120332	PRO-LINE SAFETY PRODUCTS CO. P	Each	1	55	\$55.00	21 days	\$	75.96	-\$20.96	-27.59%
LUGD0001	LUG, DIRECT BURY, YELLOW, 50 VOLTS, FOR USE WITH UTILITY TRACER LINES, NO NEED TO CUT MAIN LINE. FOR USE BY LOCATORS	DRYCONN 90120	DRYCONN 90120	Each	22	6.2	\$136.40	21 days	\$	199.76	-\$63.36	-31.72%
FTGBK572	SLEEVE, TAPPING, 8" X 6" ALL STAINLESS STEEL W/ DUCTILE IRON GLAND ON BRANCH, 6" HO GASKET, W/ FULL 1/4" THICK CHEM-O-SEAL W/ NUTS & CONG SEALING RIBS, MIN. O.D. RANGE 9.05-9.45, SUPPLIED W/ ALL NECESSARY HARDWARE.	POWERSEAL CORP. 3490MJ	POWERSEAL CORP. 3490MJ	Each	2	200	\$400.00	28 days	\$	1,428.48	-\$1,028.48	-72.00%
						<b>Total</b>	<b>\$906,763.86</b>		<b>\$</b>	<b>552,970.94</b>	<b>\$353,792.92</b>	



# Formal Bid and Award System

Award #9      December 2, 2021

**Type of Award Request:** CONTRACT INCREASE  
**Requestor Name:** Holmes, Bryan D. - Sr Mgr Energy Production Maintenance  
**Requestor Phone:** (904) 665-6914  
**Project Title:** Electric Plant Insulation & Lagging Services  
**Project Number:** Various (see body of award)  
**Project Location:** JEA  
**Funds:** O&M  
**Award Estimate:** \$390,000.00

**Scope of Work:**

The purpose of this Invitation to Negotiate (ITN) is to solicit competitive Responses from lagging and insulation services companies that can provide all materials, labor, equipment, supervision, delivery and disposal for lagging services as described in this ITN at JEA's electric generating facilities.

**Requisition Number:**

**JEA IFB/RFP/State/City/GSA#:** 055-16  
**Purchasing Agent:** Lovgren, Rodney Dennis  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
UNITHERM INC.	John Gill	jmgill@unitherm1.com	3010 Power Ave Jacksonville, FL 32207	(904) 730-6707	\$390,000.00

**Amount of Original Award:** \$3,247,962.50  
**Date of Original Award:** 05/12/2016  
**Change Order Amount:** \$390,000.00

**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
154935	\$324,796.00	10/21/2021

**New Not-To-Exceed Amount:** \$3,962,758.50  
**Length of Contract/PO Term:** Five (5) Years w/ One (1) - 1 Yr. Renewal  
**Begin Date (mm/dd/yyyy):** 05/17/2016  
**End Date (mm/dd/yyyy):** 05/16/2022  
**Renewal Options:** None remain  
**JSEB Requirement:** N/A  
**Comments on JSEB Requirements:** N/A

**Background/Recommendations:**

Originally bid and approved by Awards Committee on 05/12/2016 in the amount of \$3,247,962.50 to Unitherm Inc. A copy of the original award is attached as backup.

JEA executed the one (1) year renewal in May of 2021 without adding funds. A 10% increase was processed in October to support the start of the fall outage.

This contract increase is support any final outage change orders for the fall outage season and facilitate the contracts use through the current term which expires in May of 2022.

A listing of estimated work and associated budget is provided below.

Cost Center	Budget line	Expense Type	Amount	Justification
30300	BL01	2006 – Industrial Services	200,000.00	Outages, routine maintenance
30300	BL01	2033 – Outage Expenses – Other Services and Charges	125,000.00	Unit 2 and Unit 3 outages (END 12/19/21)
30402	BL01	2006 – Industrial Services	10,000.00	Outages, routine maintenance
30402	BL01	2033 – Outage Expenses – Other Services and Charges	50,000.00	Spring outage
30403	BL01	2006 – Industrial Services	2,500.00	Outages, routine maintenance
30403	BL01	2033 – Outage Expenses – Other Services and Charges	2,500.00	Spring outage

The contractor agreed to hold rates for the remaining term of the contract. JEA is preparing a new bid to replace this contract by the May 2022 expiration date.

Request approval to award a contract increase to Unitherm Inc. for lagging and insulation services at JEA's electric generating facilities in the amount of \$390,000.00, for a new not to exceed amount of \$3,962,758.50, subject to the availability of lawfully appropriated funds.

**Manager:** Holmes, Bryan D. - Sr Mgr Energy Production Maintenance

**Director:** Stancin, James M. - Dir Energy Production CTs.

**Sr. Director:** Kipp, James R. - Sr Dir Generation

**VP:** Erixton, Ricky D. - VP Electric Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**



# Formal Bid and Award System

Award #2 May 12, 2016

**Type of Award Request:** ITN (Invitation to Negotiate)  
**Request #:** 522  
**Requestor Name:** Guevarra, Larry  
**Requestor Phone:** (904) 665-6332  
**Project Title:** Electric Plant Insulation & Lagging Services  
**Project Number:** various  
**Project Location:** JEA & SJRPP  
**Funds:** O&M  
**Award Estimate:** \$3,100,000.00

**Description of Request:**

The purpose of this Invitation to Negotiate (ITN) is to solicit competitive Responses from lagging and insulation services companies that can provide all materials, labor, equipment, supervision, delivery and disposal for lagging services as described in this ITN at JEA's electric generating facilities.

**Requisition Number:**  
**JEA IFB/RFP/State/City/GSA#:** 055-16  
**Purchasing Agent:** Lovgren, Rodney Dennis  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

154935

Name	Contact Name	Email	Address	Phone	Amount
UNITHERM INC	Ed Mahurin	ejmahurin@unitherm1.com	3010 Power Ave Jacksonville, FL 32207	(904) 730-6707	\$3,247,962.50

**Amount for entire term of Contract/PO:** \$3,247,962.50  
**Award Amount for remainder of this FY:** \$120,000.00  
**Length of Contract/PO Term:** Five (5) Years w/One (1) - 1 Yr. Renewal  
**Begin Date (mm/dd/yyyy):** 05/16/2016  
**End Date (mm/dd/yyyy):** 05/15/2021  
**Renewal Options:** YES - One (1) - 1 Yr. Renewal  
**JSEB Requirement:** N/A  
**Comments on JSEB Requirements:** N/A - No JSEB available

**BIDDERS:**

Company	Bid Price	Total Score	Ranking	BAFO	Final Ranking	Final Score
UNITHERM, INC.	\$3,332,562.50	98.0	2	\$3,247,962.50	1	99.6
COMMERCIAL INSULATION	\$3,277,505.00	98.9	1	\$3,277,505.00	2	98.1
SAFWAY GROUP	\$3,342,650.00	95.9	3	N/A	N/A	
SUNBELT INDUSTRIAL	\$3,362,867.50	93.1	4	N/A	N/A	
AUSTIN MAINTENANCE & CONSTRUCTION	\$3,504,667.50	89.1	5	N/A	N/A	
BRAND ENERGY SOLUTIONS :	\$3,569,702.50	92.2	6	N/A	N/A	
BRACE INTEGRATED SERVICES	\$4,255,777.50	78.0	7	N/A	N/A	

**Background/Recommendations:**

Advertised 3/9/2016. Eight (8) companies attended the pre-response meeting held on 3/17/2016. At Response opening on 4/5/2016, JEA received seven (7) Responses. JEA evaluated on price and proximity, and based off of total score, Unitherm and Commercial Insulation were the top two (2) vendors selected for the Short List to make Best And Final Offers (BAFO).

BAFO were submitted, and Unitherm revised their pricing, where Commercial Insulation kept their pricing as originally submitted. With the pricing adjustment, Unitherm was determined to be the highest evaluated Respondent, with the lowest aggregate price. In the submission of BAFO, Unitherm reduced their price approximately \$84,000.00.

This new contract will be approximately 1.5% higher than the previous contract, and based on a review of the pricing structures submitted, this is deemed reasonable. Pricing is fixed for the first three (3) years and CPI price adjustments will apply thereafter, subject to request by the company. The ITN process shows a cost savings of \$29,545.50 as a result of the BAFO.

055-16 - Request approval to award a five (5) year contract to Unitherm Inc., for lagging and insulation services at JEA's electric generating facilities, in the amount of \$3,247,962.50, subject to the availability of lawfully appropriated funds.

**Manager:** Limbaugh, Margaret Z. - Manager, Project Management  
**Director:** Stroupe, Randy P. - Dir Electric Production.  
**VP:** Brost, Mike J. - VP/GM Electric Systems

**APPROVALS:**

*John McCollum* 5/12/16

**Chairman, Awards Committee** **Date**

*Sam O'Neil* 5/12/16

**Manager, Capital Budget Planning** **Date**

**BEST AND FINAL OFFER  
APPENDIX B RESPONSE FORM  
055-16 ELECTRIC PLANT LAGGING AND INSULATION SERVICES**

The Proposer shall submit one (1) electronic (PDF) copy of the Appendix B Response form & Quotation of Rates Workbook and one (1) electronic excel version of the Quotation of Rates Workbook attached to an email and returned to: [lovgrd@Jea.com](mailto:lovgrd@Jea.com) by 12:00 PM (NOON, EST), April 19, 2016. If there are any discrepancies between the PDF and excel forms, the PDF form will prevail.

**PROPOSER INFORMATION:**

COMPANY NAME: Unitherm, Inc.  
BUSINESS ADDRESS: 3010 Powers Avenue, Suite 8  
CITY, STATE, ZIP CODE: Jacksonville, FL 32207  
TELEPHONE: (904) 730-6707  
FAX: (904) 730-6761  
EMAIL ADDRESS: ejmahurin@unitherm1.com

**PROPOSED FIELD OFFICE LOCATION (IF DIFFERENT THAN CORPORATE LOCATION):**

**Respondent's Certification**

By submitting this Response, the Respondent certifies (1) that it has read and reviewed all of the documents pertaining to this ITN and agrees to abide by the terms and conditions set forth therein, (2) that the person signing below is an authorized representative of the Respondent, and (3) that the Respondent is legally authorized to do business and maintains an active status in the State of Florida. The Respondent certifies that it's recent, current, and projected workload will not interfere with the Respondent's ability to work in a professional, diligent and timely manner.

The Respondent certifies, under penalty of perjury, that it holds all licenses, permits, certifications, insurances, bonds, and other credentials required by law, contract or practice to perform the Work. The Respondent also certifies that, upon the prospect of any change in the status of applicable licenses, permits, certifications, insurances, bonds or other credentials, the Respondent shall immediately notify JEA of status change.

Total From Quotation of Rates Workbook	\$ 3,247,962.50
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We have received addenda   1   through   2  

  
Signature of Authorize Officer of Respondent or Agent

Edward J. Mahurin, Contract Manager  
Printed Name & Title

April 18, 2016  
Date

(904) 509-6273  
Phone Number

### 055-16 Electric Plant Lagging and Insulation Services

Bidder	Bid Price	Miles from NGS	Cost Pts.	Mileage Pts.	Total	Rank
Commercial Insulation	\$ 3,277,505.00	17.7	95.0	3.9	98.9	1 Short List
Unitherm, Inc.	\$ 3,332,562.50	15.1	93.4	4.6	98.0	2 Short List
Safway Group	\$ 3,342,650.00	25.0	93.1	2.8	95.9	3
Sunbelt Industrial	\$ 3,362,867.50	144.0	92.6	0.5	93.1	4
Austin Maintenance & Construction	\$ 3,504,667.50	256.0	88.8	0.3	89.1	5
Brand Energy Solutions	\$ 3,569,702.50	13.9	87.2	5.0	92.2	6
Brace Integrated Services	\$ 4,255,777.50	14.4	73.2	4.8	78.0	7

### BAFO SUBMISSION

Bidder	Bid Price	Miles from NGS	Cost Pts.	Mileage Pts.	Total	Rank
Commercial Insulation	\$ 3,277,055.00	17.7	94.2	3.9	98.1	2
Unitherm, Inc.	\$ 3,247,962.50	15.1	95.0	4.6	99.6	1

Appendix B - Bid Workbook

2d

**BEST AND FINAL OFFER**  
**055-16 ELECTRIC PLANT LAGGING AND INSULATION SERVICES RESPONDENT RATES**  
**WORKBOOK**

<b>MATERIALS &amp; CONSUMABLES MARKUP - 5 Year Estimate</b>			
DESCRIPTION	ESTIMATED COST	PERCENT	TOTAL COST
Materials Markup - not to exceed 10%	\$1,125,000.00	3%	\$ 1,161,562.50
Consumables Markup - not to exceed 10%	\$125,000.00	3%	\$ 129,062.50
<b>TOTAL COST - MATERIALS &amp; CONSUMABLES + MARKUP</b>			<b>\$ 1,290,625.00</b>

C1

<b>EQUIPMENT RENTAL MARKUP - 5 Year Estimate</b>			
DESCRIPTION	ESTIMATED COST	PERCENT	TOTAL COST
Equipment Rental Markup - not to exceed 10% (Includes applicable Fuel costs)	\$75,000.00	3%	\$ 77,250.00
<b>TOTAL COST - EQUIPMENT RENTAL + MARKUP</b>			<b>\$ 77,250.00</b>

C2

<b>SUBCONTRACT MARKUP - 5 Year Estimate</b>			
DESCRIPTION	ESTIMATED COST	PERCENT	TOTAL COST
Subcontract Markup - not to exceed 10%	\$25,000.00	0%	\$ 25,000.00
<b>TOTAL COST - SUBCONTRACT + MARKUP</b>			<b>\$ 25,000.00</b>

C3

<b>JOB TRUCKS - 5 Year Estimate</b>			
DESCRIPTION	ESTIMATED USAGE	RATE	TOTAL COST
Job Pickup Truck (Includes Fuel and Maint. costs) Rate = Cost Per Day	500	\$ 20.00	\$ 10,000.00
Material Truck (Includes Fuel & Maint. costs) Rate = Cost Per Mile	10000	\$ -	\$ -
<b>TOTAL COST - JOB TRUCKS</b>			<b>\$ 10,000.00</b>

C4

<b>Total Cost Input Sheet 3 = C1 + C2 + C3 + C4</b>	<b>\$ 1,402,875.00</b>
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Appendix B - Bid Workbook

BEST AND FINAL OFFER

055-16 ELECTRIC PLANT LAGGING AND INSULATION SERVICES RESPONDENT RATES WORKBOOK

Estimated Labor, Travel and Per Diem Costs (5-Year Estimate)

Labor						
CRAFT DESIGNATION	ESTIMATED ST HRS	ST RATE (\$/HR)	ESTIMATED ST LABOR COST	ESTIMATED OT HRS	OT RATE <sup>1</sup> Up to 1.5 X Str. Time	ESTIMATED OT LABOR COST
SUPERINTENDENT / GENERAL FOREMAN	9000	\$ 31.25	\$ 281,250.00	4250	\$ 42.65	\$ 181,262.50
FOREMAN	11000	\$ 29.75	\$ 327,250.00	5500	\$ 40.65	\$ 223,575.00
INSULATOR	14000	\$ 27.00	\$ 378,000.00	7000	\$ 36.50	\$ 255,500.00
HELPER	7000	\$ 14.75	\$ 103,250.00	3500	\$ 20.00	\$ 70,000.00
<b>Subtotal - Straight Time Labor Cost</b>			<b>\$ 1,089,750.00</b>	<b>Subtotal - OT Labor Cost</b>		<b>\$ 730,337.50</b>
			<b>A1</b>			<b>A2</b>

Notes

1. Double Time (2X) Labor rates are not permitted. JEA will only pay up to 1.5 X the straight time rate for Overtime hours.
2. All Travel shall comply with JEA's Travel Policy. Current IRS.gov mileage rates will apply. Current daily maximum Per Diem rate (meals & lodging) per JEA Travel Policy is 150.00.
3. JEA will only pay per diem for Contractors that reside greater than 75 miles one way from the electric plant; where the work is being performed - See Technical Specification 13.8.

Per Diem Rate - Respondent Shall Provide Per Diem Rate (JEA will only pay up to \$150.00 / day)	\$	50.00
Per Diem Per Day	\$	500
<b>A3</b>		
		\$ 25,000.00
<b>TOTAL COST INPUT SHEET 1 = A1 + A2 +A3</b>		\$ 1,845,087.50
<b>Total Five Year Bid Price = Input Sheet 1 + Input Sheet 2</b>		\$ 3,247,962.50

## Appendix B - Bid Workbook

### BEST AND FINAL OFFER

## 055-16 ELECTRIC PLANT LAGGING AND INSULATION SERVICES RESPONDENT RATES WORKBOOK

### Estimated Labor, Travel and Per Diem Costs (5-Year Estimate)

Labor						
CRAFT DESIGNATION	ESTIMATED ST HRS	ST RATE (\$/HR)	ESTIMATED ST LABOR COST	ESTIMATED OT HRS	OT RATE <sup>1</sup> Up to 1.5 X Str. Time	ESTIMATED OT LABOR COST
SUPERINTENDENT / GENERAL FOREMAN	250	\$ 33.50	\$ 8,375.00	80	\$ 45.75	\$ 3,660.00
FOREMAN	1400	\$ 30.50	\$ 42,700.00	80	\$ 41.50	\$ 3,320.00
INSULATOR	4600	\$ 27.00	\$ 124,200.00	280	\$ 37.50	\$ 10,500.00
HELPER	1800	\$ 15.25	\$ 27,450.00	100	\$ 20.75	\$ 2,075.00
<b>Subtotal - Straight Time Labor Cost</b>			<b>\$ 202,725.00</b>	<b>Subtotal - OT Labor Cost</b>		<b>\$ 19,555.00</b>
			<b>A1</b>			<b>A2</b>

**Notes**

1. Double Time (2X) Labor rates are not permitted. JEA will only pay up to 1.5 X the straight time rate for Overtime hours.
2. All Travel shall comply with JEA's Travel Policy. Current IRS.gov mileage rates will apply. Current daily **maximum** Per Diem rate (meals & lodging) per JEA Travel Policy is 150.00.
3. JEA will only pay per diem for Contractors that reside greater than 75 miles one way from the electric plant where the work is being performed - See Technical Specification 13.8.

	Per Diem Per Day	# of Days forecast			
Per Diem Rate - Respondent Shall Provide Per Diem Rate (JEA will only pay up to \$150.00 / day)	\$ 50.00	500	\$	25,000.00	
			<b>A3</b>		
<b>TOTAL COST INPUT SHEET 1 = A1 + A2 +A3</b>				<b>\$</b>	<b>247,280.00</b>
<b>Total Five Year Bid Price = Input Sheet 1 + Input Sheet 2</b>				<b>\$</b>	<b>390,000.00</b>

## Appendix B - Bid Workbook

### BEST AND FINAL OFFER

## 055-16 ELECTRIC PLANT LAGGING AND INSULATION SERVICES RESPONDENT RATES WORKBOOK

<b>MATERIALS &amp; CONSUMABLES MARKUP - 5 Year Estimate</b>			
DESCRIPTION	ESTIMATED COST	PERCENT	TOTAL COST
Materials Markup - not to exceed 10%	\$99,731.20	4%	\$ 103,720.45
Consumables Markup - not to exceed 10%	\$10,000.00	4%	\$ 10,400.00
<b>TOTAL COST - MATERIALS &amp; CONSUMABLES + MARKUP</b>			<b>\$ 114,120.45</b>

C1

<b>EQUIPMENT RENTAL MARKUP - 5 Year Estimate</b>			
DESCRIPTION	ESTIMATED COST	PERCENT	TOTAL COST
Equipment Rental Markup - not to exceed 10% (includes applicable Fuel costs)	\$20,000.00	8%	\$ 21,600.00
<b>TOTAL COST - EQUIPMENT RENTAL + MARKUP</b>			<b>\$ 21,600.00</b>

C2

<b>SUBCONTRACT MARKUP - 5 Year Estimate</b>			
DESCRIPTION	ESTIMATED COST	PERCENT	TOTAL COST
Subcontract Markup - not to exceed 10%	\$5,000.00	8%	\$ 5,400.00
<b>TOTAL COST - SUBCONTRACT + MARKUP</b>			<b>\$ 5,400.00</b>

C3

<b>JOB TRUCKS - 5 Year Estimate</b>			
DESCRIPTION	ESTIMATED USAGE	RATE	TOTAL COST
Job Pickup Truck (includes Fuel and Maint. costs) <b>Rate = Cost Per Day</b>	40	\$ 40.00	\$ 1,600.00
Material Truck (includes Fuel & Maint. costs) <b>Rate = Cost Per Mile</b>	10000	\$ -	\$ -
<b>TOTAL COST - JOB TRUCKS</b>			<b>\$ 1,600.00</b>

C4

<b>Total Cost Input Sheet 3 = C1 + C2 + C3 + C4</b>	<b>\$ 142,720.45</b>
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