SUBJECT: **PREQUALIFICATION FOR CURED-IN-PLACE PIPE (CIPP)**

BID #: RFQ-0037-13 OPEN DATE: **2013-03-27**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION SUPPLY – FROM CONTRACT DATE THROUGH SEPTEMBER 30, 2014, WITH TWO (2) TWO (2) YEAR RENEWAL OPTIONS

AGENCY: **PUBLIC WORKS**

BASIS OF AWARD: **PRE-QUALIFICATIONS**

NUMBER OF BIDS INVITED: 3 NUMBER RECEIVED: **3** OTHER: **0**

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval of award to Insituform Technologies, LLC., as the lowest responsive, responsible bidder in the total base bid amount of $354,672.00 for Sites #1 - #10 (Bid Date 12-06-17).

Funding for this award to be encumbered by accounts PWGM461SW-03410 and PWGM462SW-06505-PW0072-01, to be executed by Purchase Order.

Attachments: Recommendation Memo, Tabulation Sheet, Vendor Response, Contract Terms, Previous Awards

Analyst: _____ CHELSEY FLEMING

RESPECTFULLY SUBMITTED: _____ GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: STEVE D. LONG, JR., P.E., CHIEF, RIGHT OF WAY AND STORMWATER MAINT. DIVISION

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Right of Way & Stormwater Maintenance Division
609 St. Johns Bluff Road
Jacksonville, FL 32225
(904) 472-2900
www.coj.net

ONE CITY. ONE JACKSONVILLE.

December 11, 2017

MEMORANDUM

12/14/17 10:30:44
Procurement Division

TO: Greg Pease, Chief,
Procurement Division

THRU: John P. Pappas P.E., Director of Public Works

FROM: Steven D. Long Jr., P.E. Chief
Right of Way and Stormwater Maintenance Division

RE: **RECOMMENDATION TO AWARD**
Cured-in-Place Pipe (CIPP) Bid Date 12-06-17 (Sites 1-10)

BID No.: **RFQ-0037-13**
Received Date: December 06, 2017
Award Amount: $354,672.00

Please be advised that the Right of Way and Stormwater Maintenance Division of the Department of Public Works has reviewed bids on the above-referenced contract and determined that Insituform Technologies, LLC., 17988 Edison Avenue, Chesterfield, MO. 63005, submitted the lowest qualified responsive bid in the amount of $354,672.00 for the above-referenced bid. There were a total of three bidders.

We, therefore, recommend the subject bid in the amount of $354,672.00 be awarded to Insituform Technologies, LLC., the lowest conforming bidder. Funding should be encumbered from Right of Way and Stormwater Maintenance Division account PWGM461SW-03410 and PWGM462SW06505-PW0072-01.

If you require any additional information, you may contact Robert Young at 255-4294.

SL: ry

cc: Ann Brackin, Public Works
Chelsey Fleming, Procurement
Dan Pearson, Procurement
Teresa Otto, RoWSM
Robert Young, RowSM

CURED-IN-PLACE PIPE (CIPP) LINING
JOB SITE SPECIFICATIONS, INVITATION TO BID AND BID FORM
Bid Date 12-06-17 Site Visit Date 11-15-2017

This document is issued pursuant to those certain prequalification specifications, identified as RFQ-0037-13 for the reconstruction of existing storm drain pipe lines and conduits by the installation of cured-in-place pipe (F1216), and pursuant to those certain contracts for Storm Sewer Rehabilitation by Cured-In-Place Pipe Technology, by and between the City of Jacksonville and Insitiform Technologies, LLC, Layne Inliner, LLC, and Lanzo Trenchless Technologies, respectively. Said Request for Qualifications (R.F.Q.) and contracts are on file in the Office of the Right of Way and Grounds Maintenance, Chief and, by this reference, are made a part hereof as if set out in their entirety.

The undersigned Bidder certifies that this proposal is made in good faith, without collusion or connection with any other entity bidding on the work.

The undersigned Bidder certifies that no officer or agent of the City will directly or indirectly benefit from this bid, as evidence by the Conflict of Interest Form attached here to.

The undersigned Bidder states that all applicable taxes are included in the lump sum bid, for each site, and that the CONTRACTOR acknowledges that the work at the job sites are not exempt from the State or Local Sales or Use taxes, and payment of such taxes is the responsibility of the Bidder.

The undersigned Bidder agrees to keep its bid in effect for 120 calendar days after the Bid Opening date to allow the CITY time to award the bid, should it be awarded. This time period begins at the time bids are opened and ends upon the issuance of Notice to Proceed (NTP) which will be in the form of a Purchase Order (PO) from the CITY. The bid prices shall remain in effect throughout the life of the Contract. Failure of the CITY to issue a PO within the specified time period shall allow Bidder to withdraw its Bid and terminate its contract without penalty. Failure of the CITY to issue a PO within the specified time period shall not entitle Bidder to an adjustment of its Bid prices, unless mutually agreeable by the CITY.

The undersigned Bidder acknowledges that included in the various items of the proposal and in the total bid price are costs for complying with the Florida Trench Safety Act and Occupational Safety and Health Administration's Safety Standards for Confined Space Entry.

The undersigned Bidder certifies, under penalty of perjury and contract rescission, that it has all required licenses to perform the work required to fulfill the terms of the contract resulting from a successful bid. Furthermore, the undersigned Bidder affirms that all subcontractors requiring to be licensed are properly licensed to perform work on their respective portions of this project.

NAME OF BIDDER (Print) INSITUFORM TECHNOLOGIES LLC If Corporation, affix Corporate Seal

ORIGINAL SIGNATURE _____ TITLE PROJECT MANAGER
Corporate Representative

BID TABULATION SHEET

TITLE: CURED-IN-PLACE PIPE LINING BID NO. RFQ-0037-13 - SITES #1-10 OPEN DATE: DECEMBER 6, 2017 @ 2:00 P.M. BUYER: CHELSEY FLEMING No. Invited: (3) No. Received (3) No Bids: (0)			Insituform Technologies, Inc.	Lanzo Lining Services, Inc.	Layne Inliner
BID ITEMS					
SITE #1	Location: 10370 Jolynn Rd.				
1	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 102,615.00	$ 67,040.00	$ 111,600.00
2	POINT REPAIR (under pavement)	EA	$ 1.00	$ 100.00	$ 62,500.00
3	POINT REPAIR (natural ground)	EA	$ 1.00	$ 100.00	$ 52,500.00
	TOTAL BASE BID FOR SITE #1		**$ 102,617.00**	**$ 67,240.00**	**$ 226,600.00**
SITE #2	Location: 1400 blk Monument Rd				
1	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 21,185.00	$ 34,920.00	$ 25,996.00
2	POINT REPAIR (under pavement)	EA	$ 1.00	$ 100.00	$ 15,700.00
3	POINT REPAIR (natural ground)	EA	$ 1.00	$ 100.00	$ 12,300.00
	TOTAL BASE BID FOR SITE #2		**$ 21,187.00**	**$ 35,120.00**	**$ 53,996.00**
SITE #3	Location: 1733 Lawson Rd.				
1	CCTV & CLEANING		$ 3,875.00	$ 3,256.00	$ 4,500.00
2	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 13,000.00	$ 23,680.00	$ 16,724.00
3	POINT REPAIR (natural ground)	EA	$ 1.00	$ 7,572.00	$ 12,300.00
	TOTAL BASE BID FOR SITE #3		**$ 16,876.00**	**$ 34,508.00**	**$ 33,524.00**
SITE #4	Location: 1056 Parkridge Cr. W.				
1	CCTV & CLEANING		$ 4,405.00	$ 6,380.00	$ 6,600.00
2	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 23,505.00	$ 33,220.00	$ 28,820.00
3	POINT REPAIR (under pavement)	EA	$ 1.00	$ 100.00	$ 15,700.00
4	POINT REPAIR (natural ground)	EA	$ 1.00	$ 7,572.00	$ 12,300.00
	TOTAL BASE BID FOR SITE #4		**$ 27,912.00**	**$ 47,272.00**	**$ 63,420.00**
SITE #5	Location: 3471 Lenczyk Dr. W.				
1	CCTV & CLEANING		$ 655.00	$ 1,600.00	$ 4,500.00
2	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 8,645.00	$ 12,500.00	$ 12,550.00
3	POINT REPAIR (under pavement)	EA	$ 1.00	$ 11,087.00	$ 15,700.00
	TOTAL BASE BID FOR SITE #5		**$ 9,301.00**	**$ 25,187.00**	**$ 32,750.00**

BID TABULATION SHEET

TITLE:	CURED-IN-PLACE PIPE LINING		Insituform Technologies, Inc.	Lanzo Lining Services, Inc.	Layne Inliner
BID NO.	RFQ-0037-13 - SITES #1-10				
OPEN DATE:	DECEMBER 6, 2017 @ 2:00 P.M.				
BUYER:	CHELSEY FLEMING				
No. Invited: (3)	No. Received ( ) No Bids: (0)				
BID ITEMS					
SITE #6	Location: East Dr. @ Hirsch Dr.				
1	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 39,775.00	$ 38,304.00	$ 49,434.00
2	POINT REPAIR (under pavement)	EA	$ 1.00	$ 100.00	$ 62,500.00
3	POINT REPAIR (natural ground)	EA	$ 1.00	$ 100.00	$ 52,500.00
	TOTAL BASE BID FOR SITE #6		$ 39,777.00	$ 38,504.00	$ 164,434.00
SITE #7	Location: 8434 Royal Dr.				
1	CCTV & CLEANING		$ 2,405.00	$ 1,595.00	$ 14,750.00
2	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 26,575.00	$ 36,740.00	$ 42,350.00
3	POINT REPAIR (under pavement)	EA	$ 1.00	$ 7,406.00	$ 36,200.00
4	POINT REPAIR (natural ground)	EA	$ 1.00	$ 100.00	$ 28,500.00
	TOTAL BASE BID FOR SITE #7		$ 28,982.00	$ 45,841.00	$ 121,800.00
SITE #8	Location: 4055 Marianna Dr.				
1	CCTV & CLEANING		$ 5,690.00	$ 3,150.00	$ 6,750.00
2	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 40,515.00	$ 45,000.00	$ 45,750.00
3	POINT REPAIR (natural ground)	EA	$ 1.00	$ 25,002.00	$ 24,580.00
	TOTAL BASE BID FOR SITE #8		$ 46,206.00	$ 73,152.00	$ 77,080.00
SITE #9	Location: 9951 Haley Rd.				
1	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 43,960.00	$ 42,180.00	$ 59,280.00
2	POINT REPAIR (under pavement)	EA	$ 1.00	$ 100.00	$ 16,724.00
3	POINT REPAIR (natural ground)	EA	$ 1.00	$ 100.00	$ 12,300.00
	TOTAL BASE BID FOR SITE #9		$ 43,962.00	$ 42,380.00	$ 88,304.00
SITE #10	Location: 4747 Arthur Durham Dr. E.				
1	CCTV & CLEANING		$ 4,725.00	$ 3,240.00	$ 5,400.00
2	CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 13,125.00	$ 43,200.00	$ 18,540.00
3	POINT REPAIR (under pavement)	EA	$ 1.00	$ 100.00	$ 16,724.00
4	POINT REPAIR (natural ground)	EA	$ 1.00	$ 7,472.00	$ 12,300.00
	TOTAL BASE BID FOR SITE #10		$ 17,852.00	$ 54,012.00	$ 52,964.00
	TOTAL BASE BID FOR SITES (#1 - #10)		$ 354,672.00	$ 463,216.00	$ 914,872.00
	CONFLICT OF INTEREST:		YES	NO	YES
	ADDENDUM(S): ( ) ACKNOWLEDGED:		N/A	N/A	N/A

CURED-IN-PLACE PIPE (CIPP) LINING
JOB SITE SPECIFICATIONS, INVITATION TO BID AND BID FORM
Bid Date 12-06-17 Site Visit Date 11-15-2017

SITE #1: **LOCATION:** **10370 Jolynn Rd.**

APPROXIMAT SIZE (Dia): 72 (IN.) TYPE: RCP APPROXIMATE LENGTH: 40 (FT.)
APPROXIMAT SIZE (Dia): 72 (IN.) TYPE: RCP APPROXIMATE LENGTH: 40 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to bidders
BID ITEMS:

CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 102,615.00
POINT REPAIR (under pavement)	EA	$ 1.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #1 =		$ 102,617.00

SITE #2: **LOCATION:** **1400 blk Monument Rd**

APPROXIMAT SIZE (Dia): 15 (IN.) TYPE: RCP APPROXIMATE LENGTH: 97 (FT.)
APPROXIMAT SIZE (Dia): 15 (IN.) TYPE: RCP APPROXIMATE LENGTH: 97 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to bidders
BID ITEMS:

CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 21,185.00
POINT REPAIR (under pavement)	EA	$ 1.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #2 =		$ 21,187.00

SITE #3: **LOCATION:** **1733 Lawson Rd.**

APPROXIMAT SIZE (Dia): 15 (IN.) TYPE: CMP APPROXIMATE LENGTH: 148 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to biddersBidders to separate CCTV and cleaning cost in the bid submittal
BID ITEMS:

CCTV and CLEANING		$ 3,875.00
CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 13,000.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #3 =		$ 16,876.00

CURED-IN-PLACE PIPE (CIPP) LINING
JOB SITE SPECIFICATIONS, INVITATION TO BID AND BID FORM
Bid Date 12-06-17 Site Visit Date 11-15-2017

SITE #4: **LOCATION:** 1056 Parkridge Cr. W.
APPROXIMAT SIZE (Dia): 18 (IN.) TYPE: CMP APPROXIMATE LENGTH: 195 (FT.)
APPROXIMAT SIZE (Dia): 15 (IN.) TYPE: CMP APPROXIMATE LENGTH: 25 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to biddersBidders to separate CCTV and cleaning cost in the bid submittal
BID ITEMS:

CCTV and CLEANING		$ 4,405.00
CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 23,505.00
POINT REPAIR (under pavement)	EA	$ 1.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #4 =		$ 27,912.00

SITE #5: **LOCATION:** 3471 Lenczyk Dr. W.
APPROXIMAT SIZE (Dia): 18 (IN.) TYPE: CMP APPROXIMATE LENGTH: 25 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to biddersBidders to separate CCTV and cleaning cost in the bid submittal
BID ITEMS:

CCTV and CLEANING		$ 655.00
CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 8,645.00
POINT REPAIR (under pavement)	EA	$ 1.00
TOTAL BID SITE #5 =		$ 9,301.00

SITE #6: **LOCATION:** East Dr. @ Hirsch Dr.
APPROXIMAT SIZE (Dia): 43x73 (IN.) TYPE: CMP APPROXIMATE LENGTH: 42 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to bidders
BID ITEMS:

CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 39,775.00
POINT REPAIR (under pavement)	EA	$ 1.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #6 =		$ 39,777.00

SITE #7: **LOCATION:** 8434 Royal Dr.
APPROXIMAT SIZE (Dia): 48 (IN.) TYPE: RCP APPROXIMATE LENGTH: 35 (FT.)
APPROXIMAT SIZE (Dia): 48 (IN.) TYPE: RCP APPROXIMATE LENGTH: 20 (FT.)
SEE ATTACHED DRAWING
Note: No Video provided to bidders.
BID ITEMS:

CCTV and CLEANING		$ 2,405.00
CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 26,575.00
POINT REPAIR (under pavement)	EA	$ 1.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #7 =		$ 28,982.00

CURED-IN-PLACE PIPE (CIPP) LINING
JOB SITE SPECIFICATIONS, INVITATION TO BID AND BID FORM
Bid Date 12-06-17 Site Visit Date 11-15-2017

SITE #8: **LOCATION:** 4055 Marianna Dr.
APPROXIMAT SIZE (Dia): 28x43 (IN.) TYPE: CMP APPROXIMATE LENGTH: 150 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to biddersBidders to separate CCTV and cleaning cost in the bid submittal
BID ITEMS:

CCTV and CLEANING		$ 5,690.00
CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 40,515.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #8 =		$ 46,206.00

SITE #9: **LOCATION:** 9951 Haley Rd.
APPROXIMAT SIZE (Dia): 18 (IN.) TYPE: CMP APPROXIMATE LENGTH: 72 (FT.)
APPROXIMAT SIZE (Dia): 18 (IN.) TYPE: CMP APPROXIMATE LENGTH: 109 (FT.)
APPROXIMAT SIZE (Dia): 12x18 (IN.) TYPE: CMP APPROXIMATE LENGTH: 40 (FT.)
APPROXIMAT SIZE (Dia): 12x18 (IN.) TYPE: CMP APPROXIMATE LENGTH: 24 (FT.)
APPROXIMAT SIZE (Dia): 12x18 (IN.) TYPE: CMP APPROXIMATE LENGTH: 40 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to bidders
BID ITEMS:

CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 43,960.00
POINT REPAIR (under pavement)	EA	$ 1.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #9 =		$ 43,962.00

SITE #10: **LOCATION:** 4747 Arthur Durham Dr. E.
APPROXIMAT SIZE (Dia): 15 (IN.) TYPE: CMP APPROXIMATE LENGTH: 160 (FT.)
APPROXIMAT SIZE (Dia): 15 (IN.) TYPE: RCP APPROXIMATE LENGTH: 20 (FT.)
SEE ATTACHED DRAWING
Note: No video provided to biddersBidders to separate CCTV and cleaning cost in the bid submittal
BID ITEMS:

CCTV and CLEANING		$ 4,725.00
CURED-IN-PLACE LINER (ASTM F1216)	LS	$ 13,125.00
POINT REPAIR (under pavement)	EA	$ 1.00
POINT REPAIR (natural ground)	EA	$ 1.00
TOTAL BID SITE #10 =		$ 17,852.00

TOTAL BASE BID FOR SITES (#1- #10) $ 354,672.00

CURED-IN-PLACE PIPE (CIPP) LINING
JOB SITE SPECIFICATIONS, INVITATION TO BID AND BID FORM
Bid Date 12-06-17 Site Visit Date 11-15-2017

Comments: **1) Refer to attached Site Visit(s) sign in sheet.**
2) ESTIMATED GROUNDWATER TABLE ELEVATION FOR ALL SITES IS ONE FOOT.
3) Design Parameters, specific resin system, site condition and minimum CIPP design thickness will be required for each site as part of the bid submittal.
4) All concrete or debris shall be removed from the pipes and structures to provide positive flow and a minimum of 10% reduction of ovality/ cross-sectional area.

TIME IS OF THE ESSENCE. It is mutually agreed among the parties that the subject work shall be completed within **90 Calendar days after the issue date of the Purchase Order.**

Award will be by total base bid for ALL sites to the lowest responsive, responsible bidder.
All awards are subject to the availability of funds.

It is the Contractor's responsibility to verify pipe size and length prior to manufacturing the liner. The liner will be structural unless otherwise instructed in writing by the project engineer. Point repairs are to be a contingency item, however, they will be included in the total base bid in determining the low bidder. The Contractor's Bid lump sum(LS) for the liner and lump sum(LS) for each point repair is to be sealed and submitted to the address below on the proper form. It is understood that the Contractor may perform any number of point repairs on any job site(s) at the unit price submitted.

Please consider this as an invitation to submit a bid on this project. Sealed bids are to be submitted to the below-specified address on or before 2:00 p.m.on **Wednesday**, the ***6th*** Day of **December 2017** Bidders are fully responsible for delivery of bids; Reliance on mail or public carrier is at bidder's risk. **LATE BIDS WILL NOT BE CONSIDERED**

Sealed Bids submitted to: **City of Jacksonville**
Procurement Division
Ed Ball Building, 1st Floor
214 N. Hogan Street, Suite 105
Jacksonville, Fl. 32202

Client: City of Jacksonville
Project: Bid 12-6-2017
Location: FL

12/05/17

COMPOSITE PHYSICAL PROPERTIES	Only cells in this color require entry
RESIN	
Flexural Modulus:	400,000 psi
Flexural Strength:	4,500 psi
Flexural Modulus Retention to Account for Long-term Effects:	50 %
Safety factor	2
K - enhancement factor =	7
v - Poisson's Ratio = (0.3 typical for Insituform CIPP)	0.3
Soil Density	120 lbs/ft3

FIELD INPUT

Segment	Manhole Upsteam	Manhole Downstream	Diameter	Existing Pipe Condition PD or FD	Ovality %	Length ft	Depth invert ft	roundwat invert ft	Soil Modulus psi	Live Load Street or HWY	Live Load RR	Minimum Design Thickness mm
SITE #1 10370 Jolynn Rd												
1	OF-1-E	OF-2-E	72	FD	2	42	11	11.00	1000	16000	0	27.9
2	OF-1-W	OF-2-W	72	FD	2	42	11	11.00	1000	16000	0	27.9
SITE #2 1400 Blk. Monument Rd												
3	1	2	15	FD	2	97	5	5.00	1000	16000	0	5.4
4	3	4	15	FD	2	97	9	9.00	1000	16000	0	5.8
SITE #3 1733 Lawson Rd												
5	CB 1	OF	15	FD	2	148	4	4.00	1000	16000	0	6.8
SITE #4 1056 Parkridge Cir W												
6	CB 1	CB 2	15	FD	2	25	3	3.00	1000	16000	0	7.5
7	CB 2	OF	18	FD	2	194	8	8.00	1000	16000	0	6.5
SITE #5 3471 Lenczyk Dr W												
8	CB 1	CB 2	18	FD	2	25	4.5	4.50	1000	16000	0	7.7
SITE #7 8434 Royalwood Dr												
10	CB-1	CB-2	48	PD	2	35	6	6.00	1000	16000	0	15.2
11	CB-2	OF	48	PD	2	24	6	6.00	1000	16000	0	15.2
SITE #9 9951 Haley Rd												
14	CB 2	CB 3	18	FD	2	109	4	4.00	1000	16000	0	7.7
15	CB 3	CB 4	18	FD	2	72	4	4.00	1000	16000	0	7.7
SITE #10 4547 Arthur Durham Dr												
18	CB 1	CB 2	15	FD	2	20	3	3.00	1000	16000	0	7.5
19	CB 2	OF	15	FD	2	160	3	3.00	1000	16000	0	7.5

3/21/17 CIPP Drive List

SITES				
1	10370 Jolynn Rd			
2	1400 blk of Monument Rd 2 crossings			
3	1733 Lawson Rd			S
4	1056 Parkridge Cir W			S
5	3471 Lenczyk Dr. W			S
6	East Rd & Hirsch Av Out fall ditch			
7	8434 Royalwood Dr			
8	4055 Marianna Rd			S
9	9951 Haley Rd			
10	4547 Arthur Durham Dr. E.			S

S = Separate the costs.

NOTE

Bid Date is Dec. 6th, 2017

Most of the sites have NOT been pre cleaned and TVd.
We would recommend that you separate your costs because we do not know the pipe condition.

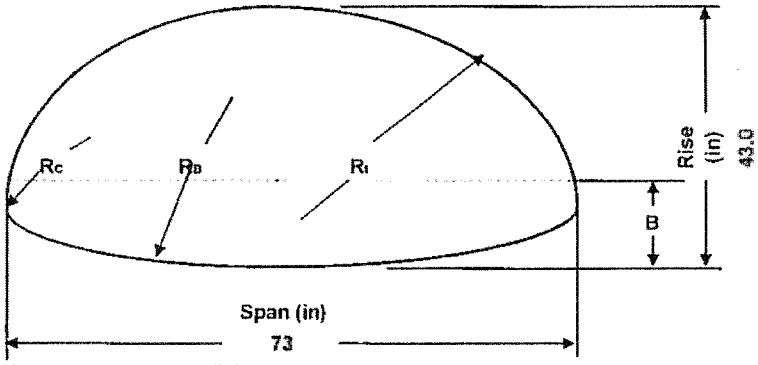
90 Days

<><><><><><><> INSITUFORM® DESIGN <><><><><><><>

SITE #6
EAST RD. @ HIRSCH AVE.

Client: Jacksonville, FL
Project: 43in x 73in CMP Arch Storm
Location: Jacksonville, FL

11/21/2017



Beam L=2/3 of Span (in) =	48.7 in
R_W - Buoyancy Factor = 1-0.33(H_W/H_S)	0.95
Soil Modulus	1000 psi
Soil Density	120 lbs/ft^3
Soil Cover -	2.9 ft
Groundwater to invert -	6.5 ft
Flexural Modulus	400,000 psi
Flexural Strength	4,500 psi
Creep Retention Factor	50%
Safety Factor	2
Loading on Bottom of Pipe (groundwater)	2.81 psi
Loading on Top of Pipe	6.98 psi
Includes Live Load	4.48 psi

Design of invert using Beam formula

Bending:

$$t = 0.47 \times L \times \left[\frac{N \times P}{\sigma_L}\right]^{1/2} = 1.14 \text{ in} \quad 29.1 \text{ mm}$$

Deflection:

$$t = 0.75 \times L \times \left[\frac{N \times P}{E_L}\right]^{1/3} = 1.11 \text{ in} \quad 28.2 \text{ mm}$$

Evaluate the crown of the Arch using the standard insituform Design program (FD)
Assume: D = 73 in
t = 1.0277 in 26.1 mm

Sizes and Layout Details - CSP Pipe-Arch 3 x 1 or 5 x 1 in. Corrugation

Equiv. Diameter in	Size in	Span in	Rise in	Waterway Area ft^2	Layout Dimensions B in	R_C in	R_t in	R_b in
48	53 x 41	53	41	11.7	15 1/4	10 3/16	28 1/16	73 1/16
54	60 x46	58 1/2	48 1/2	15.6	20 1/2	18 3/4	29 3/8	51 1/8
60	66 x 51	65	54	19.3	22 3/4	20 3/4	32 5/8	56 1/4
66	73 x 55	72 1/2	58 1/4	23.2	25 1/8	22 7/8	36 3/4	63 3/4
72	81 x 59	79	62 1/2	27.4	23 3/4	20 7/8	39 1/2	82 5/8
78	87 x 63	86 1/2	67 1/4	32.1	25 3/4	22 5/8	43 3/8	92 1/4
84	95 x 67	93 1/2	71 3/4	37	27 3/4	24 3/8	47	100 1/4
90	103 x 71	101 1/2	76	42.4	29 3/4	26 1/8	51 1/4	111 5/8
96	112 x 75	108 1/2	80 1/2	48	31 5/8	27 3/4	54 7/8	120 1/4
102	117 x 79	116 1/2	84 3/4	54.2	33 5/8	29 1/2	59 3/8	131 3/4
108	128 x 83	123 1/2	89 1/4	60.5	35 5/8	31 1/4	63 1/4	139 3/4
114	137 x 87	131	93 3/4	67.4	37 5/8	33	67 3/8	149 1/2
120	142 x 91	138 1/2	98	74.5	39 1/2	34 3/4	71 5/8	162 3/8

Sizes and Layout Details - CSP Pipe-Arch 2 2/3 x 1/2 in. Corrugation

Equiv. Diameter in	Span in	Rise in	Waterway Area ft^2	Layout Dimensions B in	R_C in	R_t in	R_b in
15	17	13	1.1	4 1/8	3 1/2	8 5/8	25 5/8
18	21	15	1.6	4 7/8	4 1/8	10 3/4	33 1/8
21	24	18	2.2	5 5/8	4 7/8	11 7/8	34 5/8
24	28	20	2.9	6 1/2	5 1/2	14	42 1/4
30	35	24	4.5	8 1/8	6 7/8	17 7/8	55 1/8
36	42	29	6.5	9 3/4	8 1/4	21 1/2	66 1/8
42	49	33	8.9	11 3/8	9 5/8	25 1/8	77 1/4
48	57	38	11.6	13	11	28 5/8	88 1/4
54	64	43	14.7	14 5/8	12 3/8	32 1/4	99 1/4
60	71	47	18.1	16 1/4	13 3/4	35 3/4	110 1/4
66	77	52	21.9	17 7/8	15 1/8	39 3/8	121 1/4
72	83	57	26.0	19 1/2	16 1/2	43	132 1/4

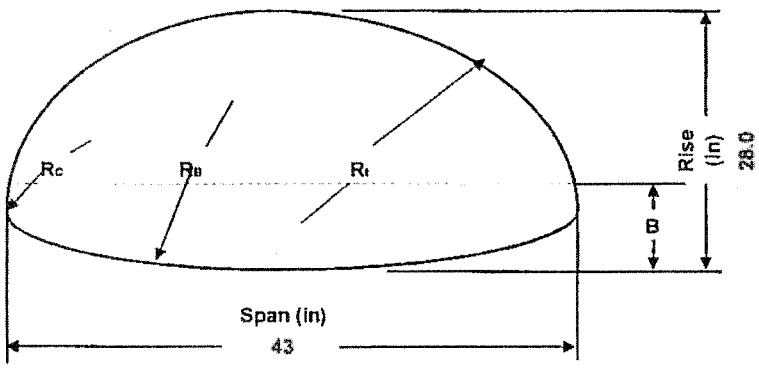
Use: 29.1 mm

<><><><><><><> INSITUFORM® DESIGN <><><><><><><>

SITE #8
4061 MARIANNA RD.

Client: Jacksonville, FL
Project: 28in x 43in CMP Arch Storm
Location: Jacksonville, FL

11/21/2017



Beam L=2/3 of Span (in) =	28.7 in
R_W - Buoyancy Factor = 1-0.33(H_W/H_S)	1.00
Soil Modulus	1000 psi
Soil Density	120 lbs/ft^3
Soil Cover -	0.7 ft
Groundwater to invert -	3.0 ft
Flexural Modulus	400,000 psi
Flexural Strength	4,500 psi
Creep Retention Factor	50%
Safety Factor	2
Loading on Bottom of Pipe (groundwater)	1.30 psi
Loading on Top of Pipe	13.49 psi
Includes Live Load	12.93 psi

Design of invert using Beam formula

Bending:

$$t = 0.47 \times L \times \left[\frac{N \times P}{\sigma_L}\right]^{1/2} = 0.46 \text{ in} \quad 11.6 \text{ mm}$$

Deflection:

$$t = 0.75 \times L \times \left[\frac{N \times P}{E_L}\right]^{1/3} = 0.51 \text{ in} \quad 12.8 \text{ mm}$$

Evaluate the crown of the Arch using the standard insituform Design program (FD)
Assume: D = 43 in
t = 0.9353 in 23.76 mm

Sizes and Layout Details - CSP Pipe-Arch 3 x 1 or 5 x 1 in. Corrugation

Equiv. Diameter	Size	Span	Rise	Waterway Area	Layout Dimensions			
					B	R_C	R_t	R_b
in	in	in	in	ft^2	in	in	in	in
48	53 x 41	53	41	11.7	15 1/4	10 3/16	28 1/16	73 1/16
54	60 x46	58 1/2	48 1/2	15.6	20 1/2	18 3/4	29 3/8	51 1/8
60	66 x 51	65	54	19.3	22 3/4	20 3/4	32 5/8	56 1/4
66	73 x 55	72 1/2	58 1/4	23.2	25 1/8	22 7/8	36 3/4	63 3/4
72	81 x 59	79	62 1/2	27.4	23 3/4	20 7/8	39 1/2	82 5/8
78	87 x 63	86 1/2	67 1/4	32.1	26 3/4	22 5/8	43 3/8	92 1/4
84	95 x 67	93 1/2	71 3/4	37	27 3/4	24 3/8	47	100 1/4
90	103 x 71	101 1/2	76	42.4	29 3/4	26 1/8	51 1/4	111 5/8
96	112 x 75	108 1/2	80 1/2	48	31 5/8	27 3/4	54 7/8	120 1/4
102	117 x 79	116 1/2	84 3/4	54.2	33 5/8	29 1/2	59 3/8	131 3/4
108	128 x 83	123 1/2	89 1/4	60.5	35 5/8	31 1/4	63 1/4	139 3/4
114	137 x 87	131	93 3/4	67.4	37 5/8	33	67 3/8	149 1/2
120	142 x 91	138 1/2	98	74.5	39 1/2	34 3/4	71 5/8	162 3/8

Sizes and Layout Details - CSP Pipe-Arch 2 2/3 x 1/2 in. Corrugation

Equiv. Diameter	Span	Rise	Waterway Area	Layout Dimensions			
				B	R_C	R_t	R_b
in	in	in	ft^2	in	in	in	in
15	17	13	1.1	4 1/8	3 1/2	8 5/8	25 5/8
18	21	15	1.6	4 7/8	4 1/8	10 3/4	33 1/8
21	24	18	2.2	5 5/8	4 7/8	11 7/8	34 5/8
24	28	20	2.9	6 1/2	5 1/2	14	42 1/4
30	35	24	4.5	8 1/8	6 7/8	17 7/8	55 1/8
36	42	29	6.5	9 3/4	8 1/4	21 1/2	66 1/8
42	49	33	8.9	11 3/8	9 5/8	25 1/8	77 1/4
48	57	38	11.6	13	11	28 5/8	88 1/4
54	64	43	14.7	14 5/8	12 3/8	32 1/4	99 1/4
60	71	47	18.1	16 1/4	13 3/4	35 3/4	110 1/4
66	77	52	21.9	17 7/8	15 1/8	39 3/8	121 1/4
72	83	57	26.0	19 1/2	16 1/2	43	132 1/4

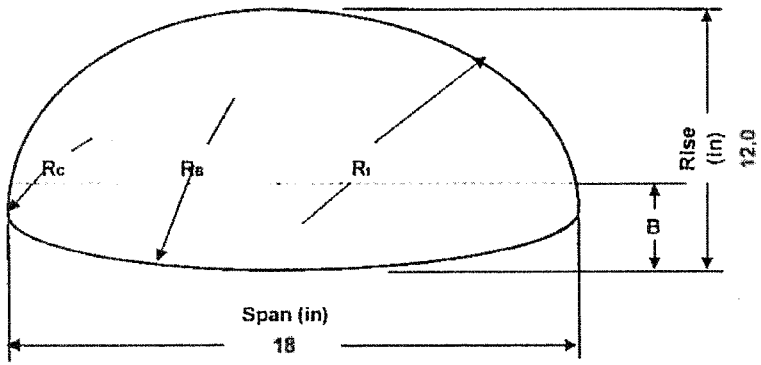
Use: 23.8 mm

<><><><><><><> INSITUFORM® DESIGN <><><><><><><>

SITE #9
HALEY RD. @ JACOB FIXEL

Client: Jacksonville, FL
Project: 12in x 18in CMP Arch Storm
Location: Jacksonville, FL

11/21/2017



Beam L=2/3 of Span (in) =	12.0 in
R_W - Buoyancy Factor = 1-0.33(H_W/H_S)	0.84
Soil Modulus	1000 psi
Soil Density	120 lbs/ft^3
Soil Cover -	1.0 ft
Groundwater to invert -	2.0 ft
Flexural Modulus	400,000 psi
Flexural Strength	4,500 psi
Creep Retention Factor	50%
Safety Factor	2
Loading on Bottom of Pipe (groundwater)	0.87 psi
Loading on Top of Pipe	23.25 psi
Includes Live Load	22.34 psi

Design of invert using Beam formula

Bending:

$$t = 0.47 \times L \times \left[\frac{N \times P}{\sigma_L}\right]^{1/2} = 0.16 \text{ in} \quad 4.0 \text{ mm}$$

Deflection:

$$t = 0.75 \times L \times \left[\frac{N \times P}{E_L}\right]^{1/3} = 0.18 \text{ in} \quad 4.7 \text{ mm}$$

Evaluate the crown of the Arch using the standard insituform Design program (FD)
Assume: D = 18 in
t = 0.5945 in 15.1 mm

Use: 15.1 mm

Sizes and Layout Details - CSP Pipe-Arch 3 x 1 or 5 x 1 in. Corrugation

Equiv. Diameter in	Size in	Span in	Rise in	Waterway Area ft^2	Layout Dimensions B in	R_C in	R_t in	R_b in
48	53 x 41	53	41	11.7	15 1/4	10 3/16	28 1/16	73 1/16
54	60 x46	58 1/2	48 1/2	15.6	20 1/2	18 3/4	29 3/8	51 1/8
60	66 x 51	65	54	19.3	22 3/4	20 3/4	32 5/8	56 1/4
66	73 x 55	72 1/2	58 1/4	23.2	25 1/8	22 7/8	36 3/4	63 3/4
72	81 x 59	79	62 1/2	27.4	23 3/4	20 7/8	39 1/2	82 5/8
78	87 x 63	86 1/2	67 1/4	32.1	25 3/4	22 5/8	43 3/8	92 1/4
84	95 x 67	93 1/2	71 3/4	37	27 3/4	24 3/8	47	100 1/4
90	103 x 71	101 1/2	76	42.4	29 3/4	26 1/8	51 1/4	111 5/8
96	112 x 75	108 1/2	80 1/2	48	31 5/8	27 3/4	54 7/8	120 1/4
102	117 x 79	116 1/2	84 3/4	54.2	33 5/8	29 1/2	59 3/8	131 3/4
108	128 x 83	123 1/2	89 1/4	60.5	35 5/8	31 1/4	63 1/4	139 3/4
114	137 x 87	131	93 3/4	67.4	37 5/8	33	67 3/8	149 1/2
120	142 x 91	138 1/2	98	74.5	39 1/2	34 3/4	71 5/8	162 3/8

Sizes and Layout Details - CSP Pipe-Arch 2 2/3 x 1/2 in. Corrugation

Equiv. Diameter in	Span in	Rise in	Waterway Area ft^2	Layout Dimensions B in	R_C in	R_t in	R_b in
15	17	13	1.1	4 1/8	3 1/2	8 5/8	25 5/8
18	21	15	1.6	4 7/8	4 1/8	10 3/4	33 1/8
21	24	18	2.2	5 5/8	4 7/8	11 7/8	34 5/8
24	28	20	2.9	6 1/2	5 1/2	14	42 1/4
30	35	24	4.5	8 1/8	6 7/8	17 7/8	55 1/8
36	42	29	6.5	9 3/4	8 1/4	21 1/2	66 1/8
42	49	33	8.9	11 3/8	9 5/8	25 1/8	77 1/4
48	57	38	11.6	13	11	28 5/8	88 1/4
54	64	43	14.7	14 5/8	12 3/8	32 1/4	99 1/4
60	71	47	18.1	16 1/4	13 3/4	35 3/4	110 1/4
66	77	52	21.9	17 7/8	15 1/8	39 3/8	121 1/4
72	83	57	26.0	19 1/2	16 1/2	43	132 1/4

(EXHIBIT No. 4)

CONFLICT OF INTEREST CERTIFICATE

RFQ-0037-13

Bidder must execute either Section I or Section II hereunder relative to Florida Statute 112.313(12). Failure to execute either Section may result in rejection of this bid proposal.

SECTION I

I hereby certify that no official or employee of the City or independent agency requiring the goods or services described in these specifications has a material financial interest in this company.

Signature

INSITUFORM TECHNOLOGIES LLC
Company Name

BRANDT CURVEL
Name of Official (Type or Print)

17988 EDISON AVE
Business Address

CHESTERFIELD, MO 63005
City, State, Zip Code

SECTION II

I hereby certify that the following named City official(s) and employee(s) having material financial interest(s) (in excess of 5%) in this company have filed Conflict of Interest Statements with the Supervisor of Elections, 105 East Monroe Street, Jacksonville, Duval County Florida, prior to bid opening.

Name	Title or Position	Date of Filing

Signature

Company Name

Name of Official (Type or Print)

Business Address

City, State, Zip Code

PUBLIC OFFICIAL DISCLOSURE

Section 126.112 of the Purchasing Code requires that a public official who has a financial interest in a bid or contract make a disclosure at the time that the bid or contract is submitted or at the time that the public official acquires a financial interest in the bid or contract. Please provide disclosure, if applicable, with bid.

Public Official _____

Position Held _____

Position or Relationship with Bidder _____

INVITATION TO SUBMIT STATEMENT OF QUALIFICATIONS (S.O.Q.)

for

Storm Sewer Rehabilitation by Cured-In-Place (CIPP) Technology

RFQ-0037-13

Notice is hereby given that the City of Jacksonville, Florida, is requesting Statements of Bidder Qualifications for *Storm Sewer Rehabilitation by Cured-In-Place (CIPP) Technology*. The City will receive the foregoing Statements of Qualifications in the Office of the Intra-Governmental Services Department, Procurement Division, Ed Ball Building, First Floor, Suite 105, 214 N. Hogan Street, Jacksonville, Florida 32202, until 2:00 P.M. on the 27 day of March, 2013. At that time Responses will be publicly opened and recorded in the meeting room #110, 1st Floor, Ed Ball Bldg., 214 N. Hogan Street.

PROJECT SCOPE: Storm Sewer Rehabilitation by Cured-In-Place (CIPP) Technology will include the complete rehabilitation of various storm sewer pipes by Cured-In-Place (CIPP) Technology with work including, but not limited to maintenance of traffic, storm sewer segment isolation and dewatering, pipe cleaning, debris removal, haul and disposal, CCTV (Closed Circuit Television) inspection, point repair(s), written and electronic inspection documentation along with all appurtenant work necessary to accomplish a complete rehabilitation of storm sewer facilities. All work will be performed at designated locations in the City of Jacksonville and in accordance with the Contract Documents.

A Statement of Qualifications (maximum one hundred 8.5"x11" pages) shall be submitted as provided in the REQUEST FOR QUALIFICATIONS RFQ-0037-13, of which a paper copy may be obtained at the Office of Procurement Division, Ed Ball Building, Suite 105, 214 N. Hogan Street, Jacksonville, Florida 32202. The price per set of Documents is $ 40.00.

In accordance with Part 6 of the Purchasing Code and as detailed in the Specifications, this procurement has been designated to be under the ENCOURAGEMENT PLAN to provide Equal Business Opportunity to certain Jacksonville Small Emerging Business "JSES".

The City of Jacksonville reserves the right to reject any or all Proposals, wave informalities irregularities or defects in any Proposal, make award in part or whole with or without cause, and to make the award it deems to be in the best interest of the City of Jacksonville.

PRE-BID CONFERENCE: N/A

PURPOSE FOR STATEMENT OF QUALIFICATIONS:

The purpose of this Request for Qualifications (RFQ) is to solicit Statements of Qualifications (SOQ) from Firms interested in providing construction services for Storm Sewer Rehabilitation by Cured-In-Place (CIPP) Technology. Statements of Qualifications (SOQ) shall be submitted in accordance with Section VI, contained in the documents herein. The City shall determine those contractors who have met ALL criteria identified in Section VII and those Firms will qualify to enter into contract with the City to provide competitive sealed bids for the construction services of this project, pursuant to Chapter 126.202 of the Procurement Code. Each award will be to the lowest, responsive, responsible bidder.

Gregory W. Pease, Chief
Procurement Division

Alvin Brown, Mayor
City of Jacksonville

SUBJECT: PREQUALIFICATION FOR CURED-IN-PLACE PIPE (CIPP)

BID #: RFQ-0037-13 OPEN DATE: 2013-03-27

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: CONSTRUCTION SUPPLY- FROM CONTRACT DATE THOUGH SEPTEMBER 30, 2014; WITH TWO (2), TWO (2) YEAR RENEWAL OPTIONS

AGENCY: PUBLIC WORKS

BASIS OF AWARD: PRE-QUALIFICATIONS

NUMBER OF BIDS INVITED: (19) NUMBER RECEIVED: (7) OTHER (0)

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Subject bid was awarded on 04/25/13 to prequalify Insituform Technologies, LLC. (contract #5991-20), Lanzo Trenchless Technologies-South (contract #9888), and Layne Inliner, LLC. (contract #9883), in the amount of $1,000,000.00 for each contract: Increased on 07/19/13 in the amount of $1,000,000.00 for Insituform Technologies, LLC.; Increased on 07/07/14 in the amount of $1,000,000.00 to Insituform Technologies, LLC; 1st Renewal Option utilized on 08/07/14 for all three firms in the amount of $1,000,000.00; Increased on 02/11/16 in the amount of $1,000,000.00 to Insituform Technologies, LLC; Increased on 04/28/16 in the amount of $1,000,000.00 to Insituform Technologies, LLC.

Recommend approval to utilize the Second and Final Renewal Option with Insituform Technologies, Inc., for the annual expenditure amount of $1,000,000.00; Lanzo Trenchless Technologies-South in the amount of $1,000,000.00; Layne Inliner, LLC in the amount of $1,000,000.00. Revised total contact amount for each as follows: Insituform Technologies, Inc., will be $7,000,000.00; Lanzo Trenchless amount $3,000,000.00; Layne Inliner amount $3,000,000.00. Total award amount for all not-to-exceed $13,000,000.00. Period of service will be from October 1, 2016 through September 30, 2018. This award to be funded by account: PWGM462SW-06505-PW0072-01 to be executed by contract amendment(s) through Office of General Counsel- Insituform amendment #6, Lanzo amendment #2 and Layne amendment #2 and released by individual Purchase Order(s).

This award subject to appropriation by the City in the fiscal year beginning October 1, 2016. No funds have been appropriated to date. The City has no obligation for payment and work hereunder is not authorized unless funds are appropriated for work herein. A written notification will be provided in the event the funds are appropriated.

Attachments: Recommendation Memos, Vendor Letters, Contract Terms, Previous Award(s)

BUYER: Marilyn Raidler
MARILYN RAIDLER

RESPECTFULLY SUBMITTED
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY:

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 3 MEMBERS DISAPPROVING Ø DATE: 7-14-16

Teresa R. Eibar

OTHER:

James R. McCall

ACTION OF AWARDING AUTHORITY DATE 7/14/16

APPROVED ✓ DISAPPROVED

Sam E. Mousa
Chief Administrative Officer
For Mayor Lenny Curry
Under Authority of
Executive Order No. 2015-05

OTHER

SIGNATURE OF AUTHENTICATION

Fleming, Chelsey

From: Young, Robert
Sent: Monday, December 18, 2017 3:01 PM
To: Fleming, Chelsey
Cc: Otto, Teresa; Long, Steve
Subject: RE: RFQ-0037-13

Chelsey,

Sites 6,8, and 3 runs on site 9 are Arched Corrugated Metal Pipe. The Composite Physical Properties data is shown on pages 8-10.
The data on page 7 is for round corrugated metal pipe or reinforced concrete pipe.

Robert Young
Engineering Technician Principal
City of Jacksonville
Public Works/ RWSM
904-255-4294
904-237-5501

ONE CITY. ONE JACKSONVILLE.

From: Fleming, Chelsey
Sent: Monday, December 18, 2017 2:33 PM
To: Young, Robert
Cc: Otto, Teresa; Long, Steve
Subject: RE: RFQ-0037-13

Robert,

When preparing this award to Insituform we noticed that page 7 of their response (Composite Physical Properties), they do not list Sites 6 or 8. Can you provide any clarity on that?

Thank you,
Chelsey Fleming
Purchasing Analyst
Procurement Division
City of Jacksonville
cfleming@coj.net
Direct 904.255.8826