



ADD-CHANGE FORM

New Project or Budget Change?

Assigned Project #

Requested by:
Project Manager / Area Manager

Date:

Project Name:

Company: Utilities Inc of Longwood

Business Unit: Utilities Inc of Longwood

BU Type:

Project Owner:

Budget Owner / RP:

Project Manager:

Region:

Start Date:

State:

Estimated End Date:

Project Type:

Will project replace/retire any assets:

Previously Requested:

This Request:	\$323,717
Still to be Requested:	\$0
Total Project Budget:	\$323,717

Description:

1. Televis and clean 25,548 LF of gravity sewer main.
2. Install CIPP liner within 2,696 LF of gravity sanitary sewer main.
3. Install one 4' sectional liner, reinstate and grout 15 sanitary laterals.
4. Remove roots and apply root killer to 469 LF of gravity sewer main.
5. Rehabilitate four sanitary manholes.
6. Excavate and repair gravity sewer main at three locations to repair significant pipe sagging and offset joints.

Timeline Considerations:

This project is a proforma included in the open UIF consolidated rate case and requires completion by end of 2017.

Inter-dependant Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)



JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The deficiency corrections will address excessive Inflow & Infiltration that currently increases the flows to the Shadow Hills WWTF during wet weather events. By addressing deficiencies in the collection system, groundwater intrusion will be reduced improving the plant's performance. Furthermore, the Utility plans to decommission the Shadow Hills WWTF and divert the WW flow to the Wekiva WWTF under a separate capital project. By reducing excess I&I, the average daily flow at Wekiva will increase by approximately 0.376 MGD, the dry weather flow treated currently at the Shadow Hills WWTP.

Reducing I&I will generate a more consistent organic load at the treatment facility resulting in a more reliable production of public access reuse water in conformance with state water policy.

Risk Evaluation

This project will repair damaged gravity sewer mains that if not addressed, would continue to be sources of significant I&I that elevate treatment costs risking the recovery of these expenses when the FPSC compares water consumption to the treated volumes through the WWTF. As well, the vast majority of the collection system is located under paved areas where a catastrophic failure of a gravity main could lead to the collapse of a paved roadway potentially leading to significant damage associated with such an event.

Alternatives Considered:

The manhole segments were evaluated and deficiencies ranked by degree of severity using a scale of high to low priority. A high priority was given to those segments with visual signs of infiltration, multiple fractures, voids, etc. A lesser ranking of low was given to segments with multiple hair line cracks and no obvious signs of infiltration or infiltration staining. To take advantage of economies of scale all segments that either ranked high, medium or low were included under this project. Also, although not yet evaluated, is the possibility of a cost reduction by lining an entire segment as opposed to the cost to install a short liner. Short liner unit costs are significantly higher as compared to the unit cost to line an entire segment from manhole to manhole. The determination of which technology will be utilized will be fleshed out prior to going to contract with the selected vendor.

Technical Review Summary:

Project was presented to the CPRT on 2/16/2017 and received no comments that require correction or revision.



Financial and Regulatory Implications

Capital Plan

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Proposed Project Spend	\$323,717				
Project Spend in Current Plan	\$323,717				
Variance	-	-	-	-	-
CIAC Collected					
Net Rate Base	323,717	323,717	323,717	323,717	323,717

(if applicable)

O&M Cost Impact B/(W)

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Financial Justification

Project will reduce excess I&I and increase plant performance. Costs will be recovered in current rate case beginning in September 2017.

Estimated Revenue Impact per Customer:

Number of Customers Impacted:

Served	Rate Payers
9.80	9.09
1,573	1,696

Utility Financial Impact

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)		-	-	-	-
Depreciation Impact on EBIT B/(W)	(1,798)				
Under-recovery on capital B/(W)	(13,617)				
Net EBIT Impact B/(W)	(15,415)				

Timing and Supporting Information on Rate Recovery

This project is expected to be completed by 5/31/17. Rate recovery will begin in September 2017.

Regulatory Plan Implications

This is a proforma project included in the 2016 UIF consolidated rate case filed in 3Q of 2016. New rates go into effect in September of 2017.

Assumptions

ROE: 10.25%, Cost of Debt: 6%, Equity Percentage: 50%, Tax Rate: 37.63%, Depreciation Rate: 2.22%
 After Tax Return on Rate Base = $10.25\% \times 50\% + 6\% \times 50\% \times (1 - 37.63\%) = 6.9961\%$
 Pretax Return on Rate Base = $6.9961\% / (1 - 37.63\%) = 11.217\%$
 Total Revenue Required = Pretax Return on Rate Base + Depreciation Rate = $11.217\% + 2.22\% = 13.439\%$
 Please note the under-recovery on capital includes equity, taxes, and debt portions



Approvals

EAM Prime Review

Review Completed by Date:
Does project align with utility plan and meet technical requirements? Yes No

Comments

This project aligns with the utility plan and meets UIF technical requirements.

Technical Peer Review

Review Sponsored by Date Held
Approval to proceed Yes No

Comments (note if feedback received in review incorporated)

FP&A Review

Review Completed by Date:
Does Project comply with current Utility Rate and Regulatory Plan? Yes No

Comments

This project meets UIF financial requirements.

Approvals

Applicable?

Regional Manager:	<input type="text" value="Bryan K. Gongre"/>	Date: <input type="text" value="2/16/2017"/>	<input checked="" type="checkbox"/>
VP Operations:	<input type="text" value="Patrick C. Flynn"/>	Date: <input type="text" value="2/17/2017"/>	<input checked="" type="checkbox"/>
President:	<input type="text"/>	Date: <input type="text"/>	<input type="checkbox"/>

Approval or Re-Direction Comments

TRAVERSE GROUP, INC.

PO BOX 121754
CLERMONT, FL 34712

Estimate

Date	Estimate #
2/13/2017	2017 UI 21

Name / Address
UTILITIES, INC. OF FLORIDA 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Project
Longwood I & I Deficiency Cor

Description	Qty	Units	Rate	Total
LONGWOOD I&I DEFICIENCY CORRECTIONS				
132 MARGO LANE MH#3 - MH#4				
Mobilization	1	LS	9,500.00	9,500.00
MOT	1	LS	2,500.00	2,500.00
Dewatering	1	LS	5,500.00	5,500.00
Excavate and Removals	1	LS	6,900.00	6,900.00
Sanitary Bypass	1	LS	2,500.00	2,500.00
Pipe Repair	20	LF	550.00	11,000.00
Pre and Post Video	1	LS	2,500.00	2,500.00
Road Base Repair	1	LS	6,500.00	6,500.00
Asphalt Patch	1	LS	5,950.00	5,950.00
Preconstruction Video	1	LS	800.00	800.00
Density Testing	1	LS	1,750.00	1,750.00
Permit	1	LS	500.00	500.00
132 Margo Lane Total = \$55,900				
1366 DUNHILL DRIVE MH#8 - MH#16				
Mobilization	1	LS	6,500.00	6,500.00
Mobilization	1	LS	2,500.00	2,500.00
Dewatering	1	LS	8,500.13	8,500.13
Excavate and Removals	1	LS	9,500.00	9,500.00
Sanitary Bypass	1	LS	2,500.00	2,500.00
Pipe Repair	10	LF	950.00	9,500.00
Pre and Post Video	1	LS	2,500.00	2,500.00
Road Base Repair	1	LS	6,500.00	6,500.00
Asphalt Patch	1	LS	5,500.00	5,500.00
Pre Constructiton Video	1	LS	800.00	800.00
Density Testing	1	LS	1,750.00	1,750.00
Permitting	1	LS	500.00	500.00
1366 Dunhill Drive Total = 56550.13				
131 LEMON LANE MH#17 - MH#15				
Mobilization	1	LS	8,500.00	8,500.00
MOT	1	LS	2,500.00	2,500.00
Dewatering	1	LS	8,503.00	8,503.00
			Total	

TRAVERSE GROUP, INC.

PO BOX 121754
CLERMONT, FL 34712

Estimate

Date	Estimate #
2/13/2017	2017 UI 21

Name / Address
UTILITIES, INC. OF FLORIDA 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Project
Longwood I & I Deficiency Cor

Description	Qty	Units	Rate	Total
Excave and Removals	1	LS	7,500.00	7,500.00
Sanitary Bypass	1	LS	3,500.00	3,500.00
Pipe Repair	30	LF	595.00	17,850.00
Pre and Post Construction Video	1	LS	2,500.00	2,500.00
Road Base Repair	1	LS	7,985.00	7,985.00
Asphalt Patch	1	LS	6,575.00	6,575.00
Pre Construciton Video	1	LS	800.00	800.00
Density Testing	1	LS	1,750.00	1,750.00
Permitting	1	LS	500.00	500.00
131 Lemon Lane Total = \$68463				
			Total	\$180,913.13



3016 U.S. HWY. 301 N, STE. 900
 TAMPA, FL 33619
 813-627-0007
FID: 13-3032158

2/14/2017

Bill to: Utilities Inc of Florida
 200 Weathersfield Ave
 Altamonte Springs, FL 32714
 Attn: Mr. Bryan K. Gongre

Submitted by: Brandon Gerber
 Project Manager

BID PROPOSAL
Longwood I & I Deficiency Corrections

ITEM NO.	DESCRIPTION	UNIT	BID PROPOSAL			PREVIOUS		THIS INVOICE		COMPLETED TO DATE		
			UNIT PRICE	QTY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	
1A	CIPP 8" - clean & TV	LF	2.40	3,112.0	\$7,468.80		\$0.00		\$0.00	0	\$0.00	
1B	CIPP 8" - install liner	LF	21.00	2,643.0	\$55,503.00		\$0.00		\$0.00	0	\$0.00	
2A	CIPP 10" - clean and tv	LF	3.60	393.0	\$1,414.80		\$0.00		\$0.00	0	\$0.00	
2B	CIPP 10" - install liner	LF	23.00	393.0	\$9,039.00		\$0.00		\$0.00	0	\$0.00	
3	Reinstate and Grout Laterals	EA	512.30	15	\$7,684.50		\$0.00		\$0.00	0	\$0.00	
4	Manhole Rehab (Assume 4'dia x 5' deep avg)	VF	222.10	33	\$7,329.30		\$0.00		\$0.00	0	\$0.00	
5	Manhole Invert Repairs	EA	370.20	4	\$1,480.80		\$0.00		\$0.00	0	\$0.00	
6	LS Repairs (Assume 6' dia)	VF	481.30	0	\$0.00		\$0.00		\$0.00	0	\$0.00	
7	Short Liners	EA	1,692.50	1	\$1,692.50		\$0.00		\$0.00	0	\$0.00	
8	Root Removal	LF	2.60	469	\$1,219.40		\$0.00		\$0.00	0	\$0.00	
Grand Total						92,832.10		0.00		0.00		0.00

TOTAL CONTRACT	EARNED TO DATE	THIS ESTIMATE
\$92,832.10	\$0.00	\$0.00

Less Previously Paid \$0.00
 Less Retainage \$ -

AMOUNT DUE THIS ESTIMATE \$0.00
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SECTION 00520
AGREEMENT FORM

PART 1 GENERAL

1.01 THIS AGREEMENT, made this 20th day of February, 2017, by and between Utilities Inc. of Florida, hereinafter called the Owner, and Insituform Technologies, LLC, doing business as a limited liability corporation and hereinafter called the Contractor.

1.02 The Owner and Contractor agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Addenda (which pertain to the Contract Documents), Contractor's Bid, Notice to Proceed, the General Conditions, the Supplementary Conditions, the Specifications listed in the Index to the Project Manual, any technical specifications as incorporated by the Project Manual; the Drawings as listed in the Project Manual, all Written Amendments, Change Orders, Work Change Directives, and Field Orders issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the Longwood I&I Deficiency Corrections

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within 120 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER \$500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth ($\frac{1}{4}$) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to the Measurement and Payment Provisions, and subject to actual constructed quantities; the Total Contract Price of Ninety two thousand eight hundred thirty two dollars & 10/100's Dollars (\$ 92,832.10). Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

The Owner will make payments as provided in the General Conditions and Supplementary Conditions.

G. Retainage

The value of each application for payment shall be equal to the total value of the Work performed to date, less an amount retained, and less payments previously made and amounts withheld in accordance with the General Conditions and Supplementary Conditions. Retainage for this project is 10%, to be held by Owner as collateral security to ensure completion of Work. The Owner is not obligated to reduce retainage at any time during the Contract, but may choose to do so at its discretion once the Work is at least 75% complete.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

CONTRACTOR:

Insituform Technologies, LLC
Name of Firm

BR
By (Signature)

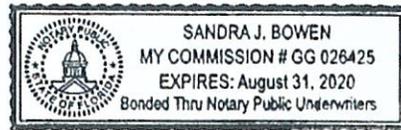
BRANDON GONGRE, PROTECT MANAGER
Andrew Costa, Business Development Manager
Printed Name and Title

(SEAL)

ATTEST:

Sandra J. Bowen
By (Signature)

Sandra J. Bowen Not Admin
Printed Name and Title



OWNER:

Utilities Inc. of Florida
Name of Owner

Bryan K. Gongre
By (Signature)

Bryan K. Gongre, Regional Manager
Printed Name and Title

(SEAL)

ATTEST:

Lisa August
By (Signature)

LISA AUGUST Admin ASST
Printed Name and Title

END OF SECTION