



ADD-CHANGE FORM

New Project or Budget Change?	<input type="text" value="New Project"/>	Assigned Project #	<input type="text" value="2017004"/>
Requested by:	<input type="text" value="Bryan K. Gongre"/> <i>Project Manager / Area Manager</i>	Date:	<input type="text" value="12/13/2016"/>
Project Name:	<input type="text" value="Northwestern FM Relocation"/>		
Company:	<input type="text" value="UIF"/> Utilities Inc of Florida		
Business Unit:	<input type="text" value="252111"/> Weathersfield S	BU Type:	<input type="text" value="SP"/>
Project Owner:	<input type="text" value="Patrick C. Flynn"/>	Budget Owner / RVP:	<input type="text" value="John Hoy"/> 03
Project Manager:	<input type="text" value="Bryan K. Gongre"/>	Region:	<input type="text" value="Florida"/> 04
Start Date:	<input type="text" value="1/16/2017"/> Q1 2017	State:	<input type="text" value="FL"/>
Estimated End Date:	<input type="text" value="4/30/2017"/> Q2 2017		
Project Type:	<input type="text" value="Maintenance"/>		
Will project replace/retire any assets:	<input type="text" value="Yes"/>		
Previously Requested:	<input type="text"/>		
This Request:	<input type="text" value="\$688,631"/>		
Still to be Requested:	<input type="text" value="\$0"/>		
Total Project Budget:	<input type="text" value="\$688,631"/>		

Description:

A. Install 4,497 LF of a combination of 6" HDPE and PVC pipe via directional drill and open cut respectively
B. Install (5 each) 6" plug valves
C. Install (9 each) combination air release valves
D. Grout fill and abandon in place 2,700 LF of 10" AC force main
E. Remove approximately 158 LF of 10" AC force main and dispose in an approved landfill.

Project includes design, permitting, construction, CEI services and as-builts.

Timeline Considerations:

There is potential for litigation involving the property owners vs. the Utility as a result of the existing 10" AC force main originally being constructed on private property without an easement.

This project is a proforma included in the current open rate case that 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 Northwestern lift station serves the Trailwoods subdivision and pumps through an existing 10" AC force main to a point of connection at a manhole on Hillview Drive where the untreated flow is delivered to the City of Altamonte Springs for treatment under a wholesale agreement. The 10" AC force main is believed to have originally been constructed in approximately 1970 and a portion of the force main is installed along Mathews Road, a private road owned by several property owners. One of the owners, Terry Butler, on his own behalf and the behalf of the other property owners, recently contacted the Utility to request compensation for an easement to be established to encompass the FM crossing his property plus the use of that easement since inception and for future use. Mr. Butler first brought about this issue when the force main failed a few months ago and repairs were underway. During the repair activity, Mr. Bulter informed utility personnel that we were on private property and insisted that we cease the activity, but when was informed that this was an environemntal hazard, he let the Utility proceed and complete the repairs. Mr. Butler has since had his counsel contact our attorney regarding compensation.

The force main on Mathews Road is so severely deteriorated that during the recent failure a 20' foot section of pipe had to be removed and replaced. Since this force main is pumped to a gravity manhole, the pipe drains with every lift station pump cycle, which allows gasses to accumulate in the pipe causing deterioration and corrosion. In order to remove the force main from private property and address the poor condition of the pipe, the force main must be relocated and replaced with a new 6" force main, which is the correct size to fit the hydraulic profile of the lift station.

Risk Evaluation

The existng force main has outlived its service life and is in jeopardy of failing at any time that will lead to sanitary sewer spill the amount of which would vary depending upon the location and severity of the failure. With a portion of the force main being located upon private property complications such as litigation and accessibility remain an issue.

Alternatives Considered:

Compensate the property owners and obtain an easement along Mathews Road from each of the five, then replace the force main in its current location. While dealing with Mr. Butler, he placed an exhoribant value on the easement. Negotiating further is pointless and the condition of the existing pipe requires timely replacement.

The original force main is 10" in diameter exceeding the pipe size that is needed to convey the flow to the manhole. Therefore, the pipe has been downsized to a 6" to reduce costs.

Other points of connection and routing were analyzed during the design process but none were found to be viable.

Technical Review Summary:

CPRT review conducted on 12/15/2016 with no changes or revisons being required.



Financial and Regulatory Implications

Capital Plan

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Proposed Project Spend	\$688,631				
Project Spend in Current Plan	\$688,631				
Variance	-	-	-	-	-
CIAC Collected					
Net Rate Base	688,631	688,631	688,631	688,631	688,631

(if applicable)

O&M Cost Impact B/(W)

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Financial Justification

There is potential for litigation involving the property owners vs. the Utility as a result of the existing 10" AC force main originally being constructed upon private property without an easement.

Estimated Revenue Impact per Customer:

Number of Customers Impacted:

	Served	Rate Payers
	(5.10)	(4.78)
	9,080	9,686

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)	(7,651)				
Under-recovery on capital B/(W)	(38,622)				
Net EBIT Impact B/(W)	(46,273)				

Timing and Supporting Information on Rate Recovery

Estimated completion of the project is 4/30/2017 and rate recovery should begin in September of 2017.

Regulatory Plan Implications

This is a proforma project included in the 2016 UIF consolidated rate case filed in 3Q of 2016.

Assumptions

ROE: 10.25%, Cost of Debt: 6%, Equity Percentage: 50%, Tax Rate: 37.63%, Depreciation Rate: 3.33%
 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 = $11.217\% + 3.33\% = 14.547\%$
 Please note the under-recovery on capital includes equity, taxes, and debt portions



BID INFORMATION AND BUDGET BREAKDOWN

Have three bids been received?

If not, why? List and provide amounts below

Bid	Company	Amount	Selected
1	Traverse Group	\$669,131	Yes
2	CFT	\$727,215	No
3	Eco-2000	\$681,100	No

Component:

Amount

Value Bid Elements	669,131.00	should match selected bid(s) above
Engineering	19,500.00	
Direct Purchase of Parts / Materials		
Landscaping / Site Restoration		
Other Components (specify):		
Cap Time		

Total Project Budget **688,631.00** should match Total Budget on General Information

Object Account(s) to which project will be closed:

1345

Sewer Force Main/Srvc Lines
select from dropdown list
select from dropdown list
select from dropdown list
select from dropdown list

[Go to Reference List](#)

General Comments:



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)

No comments were received or revisions required.

FP&A Review

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

Comments

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

Approvals

Applicable?

Regional Manager:	<input type="text" value="Bryan K. Gongre"/>	Date: <input type="text" value="1/5/2017"/>	<input checked="" type="checkbox"/>
VP Operations:	<input type="text" value="Patrick C. Flynn"/>	Date: <input type="text" value="1/12/2017"/>	<input checked="" type="checkbox"/>
President:	<input type="text" value="John P. Hoy"/>	Date: <input type="text" value="1/12/2017"/>	<input checked="" type="checkbox"/>

Approval or Re-Direction Comments

**NORTHWESTERN AVENUE
FORCEMAIN RELOCATION - BASE BID
BID COMPILATION**

ITEM	DESCRIPTION	QUANTITY		ECO 2000		Traverse		Central Florida Tapping	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	1	LS	102,000.00	102,000.00	85,000.00	85,000.00	50,000.00	50,000.00
2	Project Closeout/Record Drawings	1	LS	11,450.00	11,450.00	9,500.00	9,500.00	7,500.00	7,500.00
3	Construction Testing	1	LS	7,200.00	7,200.00	6,018.23	6,018.23	7,500.00	7,500.00
4	6" C-900 DR-18 PVC Forcemain (including fittings, restraints, adapters, etc.)	1,729	LF	78.00	134,862.00	82.50	142,642.50	85.00	146,965.00
5	Trenches, Excavation, and Restoration)	2,768	LF	76.00	210,368.00	82.50	228,360.00	100.00	276,800.00
6	6" Plug Valve	5	EA	5,400.00	27,000.00	4,200.00	21,000.00	3,750.00	18,750.00
7	2" ARV Type 2	9	EA	5,850.00	52,650.00	6,490.00	58,410.00	7,500.00	67,500.00
8	Connection to Manhole	1	EA	16,800.00	16,800.00	14,750.00	14,750.00	10,500.00	10,500.00
9	Grout fill and abandon existing pipe	158	CY	215.00	33,970.00	225.00	35,550.00	250.00	39,500.00
10	Pipe Demolition and Removal	2,700	LF	28.00	75,600.00	22.00	59,400.00	35.00	94,500.00
11	Soft Digs	1	LS	9,200.00	9,200.00	8,500.00	8,500.00	7,700.00	7,700.00
TOTAL LUMP SUM BASE BID					681,100.00		669,130.73		727,215.00



Prepared by:

Kimley » Horn

NORTHWESTERN AVENUE FORCEMAIN RELOCATION - BASE BID SCHEDULE OF VALUES					
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	50,000.00	50,000.00
2	Project Closeout/Record Drawings	LS	1	7,500.00	7,500.00
3	Construction Testing	LS	1	7,500.00	7,500.00
4	6" C-900 DR-18 PVC Forcemain (including fittings, restraints, adapters, etc.)	LF	1,729	85.00	146,965.00
5	6" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	LF	2,768	100.00	276,800.00
6	6" Plug Valve	EA	5	3,750.00	18,750.00
7	6" Plug Valve	EA	9	7,500.00	67,500.00
8	2" ARV Type 2	EA	1	10,500.00	10,500.00
9	Connection to Manhole	EA	1	10,500.00	10,500.00
10	Grout fill and abandon existing pipe	CY	158	250.00	39,500.00
11	Pipe Demolition and Removal	LF	2,700	35.00	94,500.00
11	Soft Digs	LS	1	7,700.00	7,700.00
TOTAL LUMP SUM BASE BID					\$727,215.00

Prepared by:

NORTHWESTERN AVENUE FORCEMAIN RELOCATION - BASE BID SCHEDULE OF VALUES					
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 102,000.00	\$ 102,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 11,450.00	\$ 11,450.00
3	Construction Testing	LS	1	\$ 7,200.00	\$ 7,200.00
4	6" C-900 DR-18 PVC Forcemain (including fittings, restraints, adapters, etc.)	LF	1,729	\$ 78.00	\$ 134,862.00
5	6" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	LF	2,768	\$ 76.00	\$ 210,368.00
6	6" Plug Valve	EA	5	\$ 5,400.00	\$ 27,000.00
7	2" ARV Type 2	EA	9	\$ 5,850.00	\$ 52,650.00
8	Connection to Manhole	EA	1	\$ 16,800.00	\$ 16,800.00
9	Grout fill and abandon existing pipe	CY	158	\$ 215.00	\$ 33,970.00
10	Pipe Demolition and Removal	LF	2,700	\$ 28.00	\$ 75,600.00
11	Soft Digs	LS	1	\$ 9,200.00	\$ 9,200.00
TOTAL LUMP SUM BASE BID					\$ 681,100.00

Prepared by:



NORTHWESTERN AVENUE FORCEMAIN RELOCATION - BASE BID SCHEDULE OF VALUES					
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 85,000.00	\$ 85,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 9,500.00	\$ 9,500.00
3	Construction Testing	LS	1	\$ 6,018.23	\$ 6,018.23
4	6" C-900 DR-18 PVC Forcemain (including fittings, restraints, adapters, etc.)	LF	1,729	\$ 82.50	\$ 142,642.50
5	6" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	LF	2,768	\$ 82.50	\$ 228,360.00
6	6" Plug Valve	EA	5	\$ 4,200.00	\$ 21,000.00
7	2" ARV Type 2	EA	9	\$ 6,490.00	\$ 58,410.00
8	Connection to Manhole	EA	1	\$ 14,750.00	\$ 14,750.00
9	Grout fill and abandon existing pipe	CY	158	\$ 225.00	\$ 35,550.00
10	Pipe Demolition and Removal	LF	2,700	\$ 22.00	\$ 59,400.00
11	Soft Digs	LS	1	\$ 8,500.00	\$ 8,500.00
TOTAL LUMP SUM BASE BID					\$ 669,130.73

3008141
 PO# 214484
 Rec# 224179

UTILITIES, INC. OF FLORIDA AND AFFILIATE
 ATTN: BRYAN GONGRE
 200 WEATHERSFIELD AVENUE
 ALTAMONTE SPRINGS, FL 32714

Invoice No: 7722092
 Invoice Date: Apr 30, 2016
 Invoice Amount: \$650.00
 Project No: 149685006.1
 Project Name: NORTHWESTERN FM RELOC
 Project Manager: ROMANO, STEVE

Please send payments to:
 KIMLEY-HORN AND ASSOCIATES, INC.
 P.O. BOX 932520
 ATLANTA, GA 31193-2520

Client Reference:

For Services Rendered through Apr 30, 2016

Federal Tax Id: 56-0885615

LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	13,000.00	5.00%	650.00	0.00	650.00
TASK 2 - PERMITTING	4,000.00	0.00%	0.00	0.00	0.00
TASK 3 - CONSTRUCTION SERVICES	2,500.00	0.00%	0.00	0.00	0.00
Subtotal	19,500.00	3.33%	650.00	0.00	650.00
Total LUMP SUM					650.00

DESCRIPTION OF SERVICES PERFORMED:
 CONCEPTUAL DESIGN FOR RIVER CROSSING

Total Invoice: \$650.00

3008141
 PO# 217404
 Repl # 227095

UTILITIES, INC. OF FLORIDA AND AFFILIATE
 ATTN: BRYAN GONGRE
 200 WEATHERSFIELD AVENUE
 ALTAMONTE SPRINGS, FL 32714

Invoice No: 7930109
 Invoice Date: May 31, 2016
 Invoice Amount: \$2,600.00
 Project No: 149685006.1
 Project Name: NORTHWESTERN FM RELOC
 Project Manager: ROMANO, STEVE

Please send payments to:
 KIMLEY-HORN AND ASSOCIATES, INC.
 P.O. BOX 932520
 ATLANTA, GA 31193-2520

Client Reference:

For Services Rendered through May 31, 2016

Federal Tax Id: 56-0885615

LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	13,000.00	25.00%	3,250.00	650.00	2,600.00
TASK 2 - PERMITTING	4,000.00	0.00%	0.00	0.00	0.00
TASK 3 - CONSTRUCTION SERVICES	2,500.00	0.00%	0.00	0.00	0.00
Subtotal	19,500.00	16.67%	3,250.00	650.00	2,600.00
Total LUMP SUM					2,600.00

DESCRIPTION OF SERVICES PERFORMED:
 PRELIMINARY DESIGN

Total Invoice: \$2,600.00

3008141
 PO# 219496
 Rec# 229144

UTILITIES, INC. OF FLORIDA AND AFFILIATE
 ATTN: BRYAN GONGRE
 200 WEATHERSFIELD AVENUE
 ALTAMONTE SPRINGS, FL 32714

Invoice No: 8010371
 Invoice Date: Jun 30, 2016
 Invoice Amount: \$6,550.00
 Project No: 149685006.1
 Project Name: NORTHWESTERN FM RELOC
 Project Manager: ROMANO, STEVE

Please send payments to:
 KIMLEY-HORN AND ASSOCIATES, INC.
 P.O. BOX 932520
 ATLANTA, GA 31193-2520

Client Reference:

For Services Rendered through Jun 30, 2016

Federal Tax Id: 56-0885615

LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	13,000.00	60.00%	7,800.00	3,250.00	4,550.00
TASK 2 - PERMITTING	4,000.00	50.00%	2,000.00	0.00	2,000.00
TASK 3 - CONSTRUCTION SERVICES	2,500.00	0.00%	0.00	0.00	0.00
Subtotal	19,500.00	50.26%	9,800.00	3,250.00	6,550.00
Total LUMP SUM					6,550.00

DESCRIPTION OF SERVICES PERFORMED:
 ROUTE EVALUATION AND DRAFTING

Total Invoice: \$6,550.00

3008141
 PO# 224583
 Receipt 234412

UTILITIES, INC. OF FLORIDA AND AFFILIATE
 ATTN: BRYAN GONGRE
 200 WEATHERSFIELD AVENUE
 ALTAMONTE SPRINGS, FL 32714

Invoice No: 8260255
 Invoice Date: Aug 31, 2016
 Invoice Amount: \$4,300.00
 Project No: 149685006.1
 Project Name: NORTHWESTERN FM RELOC
 Project Manager: ROMANO, STEVE

Please send payments to:
 KIMLEY-HORN AND ASSOCIATES, INC.
 P.O. BOX 932520
 ATLANTA, GA 31193-2520

Client Reference:

For Services Rendered through Aug 31, 2016

Federal Tax Id: 56-0885615

LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	13,000.00	90.00%	11,700.00	7,800.00	3,900.00
TASK 2 - PERMITTING	4,000.00	60.00%	2,400.00	2,000.00	400.00
TASK 3 - CONSTRUCTION SERVICES	2,500.00	0.00%	0.00	0.00	0.00
Subtotal	19,500.00	72.31%	14,100.00	9,800.00	4,300.00
Total LUMP SUM					4,300.00

DESCRIPTION OF SERVICES PERFORMED:
 ROUTE DESIGN AND CONSTRUCTABILITY REVIEW. COORDINATION WITH ALTAMONTE FOR POINT OF CONNECTION

Total Invoice: \$4,300.00