

ADD-CHANGE FORM

New Project or Budget Change? New Project Assigned Project # 2016099

Requested by: Bryan K. Gongre Date: 8/16/2016

BU Type:

Region:

State:

Budget Owner / RVP:

WP

John Hoy

Florida

FL

03

04

Project Manager / Area Manager

Project Name: Ravenna Park WM Replacement

Company: 252 Utilities Inc of Florida

Business Unit: 252118 Ravenna Park W

Project Owner: Patrick C. Flynn

Project Manager: Bryan K. Gongre

Start Date: 9/5/2016 Q3 2016

Estimated End Date: 3/31/2017 Q1 2017

Project Type: Maintenance

Will project replace/retire any assets: Yes

Previously Requested:

This Request: \$2,160,808

Still to be Requested:

Total Project Budget: \$2,160,808

Description:

Remove and replace the following items that are located within the Seminole County right-of-way.

- A. 600 LF of 2" galvanized water main
- B. 21,300 LF of 4" asbestos concrete water main
- C. 1,500 LF of 6" asbestos concrete water main
- D. 3 each 2" GVs
- E. 41 each 4" GVs
- F. 2 each 6" GVs
- G. 7 each 2" blow offs
- H. 340 water services
- I. 185 driveway sections
- J. 500 LF of sidewalk

Production of a right-of-way survey, an as-built survey, right-of-way permitting and asset tables that are in conformance with GIS nomenclature and format are included.

CEI services will be utilized to support rigth-of-way permitting, production of as-built drawings, field inspections during construction and contract bidding services.

Timeline Considerations:

This project is one of six water main replacement projects in Seminole County and one in Orange County that are similar in scope and timing. Engineering services are completed and all permits excluding Seminole and Orange County right-of-way have been obtained. The quantity of mains and service lines being replaced requires a timely issuance of a Notice of Award, Notice to Proceed, and contract execution to allow adequate time to complete the project prior to 12/31/2017.

Inter-dependant Project	Project Number:		Project Name	(If applicable)	
Have engineering evaluations be	een performed?	Yes	Engineering project number	2015082	(If applicable)



JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Ravenna Park water system serves 340 connections and was originally built in 1959 through 1965 and is thus 51 to 59 years old. The system is comprised of Asbestos Concrete (AC) and galvanized iron pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat and bronze body wheel handle gate valves that are damaged and difficult to operate. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. Over time organic growth has occurred within the distribution system contributing to water quality complaints, particularly within the areas that have galvanized pipe material. Over time organic growth has occurred with the distribution system contributing to water quality complaints, particularly within the areas that have galvanized pipe material. There are no fire hydrants or significant flushing points to adequately maintain the system. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR of which the first two methods elevate the risk of a potential break.

Seminole County requires the Utility to remove all existing water mains located within the right of way except mains under County roads that can be grouted in place. All AC pipe must be removed and disposed of by a certified asbestos abatement contractor in a CLass I landfill.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breakswill be reduced. With new gate valves at the appropriate location and configuration, staff will be able to isolate portions of the distribution system when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will improve system maintenance. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform to provide GPS coordinates for asset maintenance.

Risk Evaluation

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become
more frequent and negatively affect the quality of service provided to the customer. By replacing the water mains, gate valves and
service connections reliability will be greatly improved and water quality will be improved.

Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response, property damage, and restoration.

Technical Review Summary:

Project reviewed by CPRT on 8/25/2016. No comments or revisions.



Financial and Regulatory Implications

Project Spend in Current Plan 1,000,000 Variance (1,160,808)	Capital Plan Proposed Project Spend	Yr 1 2,160,808	Yr 2	Yr 3	Yr 4	Yr 5	1	
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Served Rate Payers		(1,160,808)	_	-	-	-		
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O&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(W) Under-recovery on capital B/(W) Net EBIT Impact B/(W) Timing and Supporting Information on Rate Recovery This project is a pro-forma included in the 2016 UIF consolidated rate case to be filed in 3Q16.								
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Under-recovery on capital B/(W) (39,502) (149,906) (141,803) (133,700) (125,597) (93,522) (257,946) (249,843) (241,740) (233,637) Timing and Supporting Information on Rate Recovery This project is a pro-forma included in the 2016 UIF consolidated rate case to be filed in 3Q16. Regulatory Plan Implications	• • • • • • • • • • • • • • • • • • • •			-	-	-	-	
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Timing and Supporting Information on Rate Recovery This project is a pro-forma included in the 2016 UIF consolidated rate case to be filed in 3Q16. Regulatory Plan Implications								
This project is a pro-forma included in the 2016 UIF consolidated rate case to be filed in 3Q16. Regulatory Plan Implications	Net EBIT Impact B/(W)		(93,522)	(257,946)	(249,843)	(241,740)	(233,637)	
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alue Bid Elements gigneering rect Purchase of Parts / Materials indscaping / Site Restoration ther Components (specify): ap Time PH Engineers (CEI, As Built, ROW Permits) Object Account(s) to which project will be closed: 2,160,808.00 should match selected bid(s) above should match selected bid(s) above should match selected bid(s) above 4,858.00 Trans & Distr Mains Service Lines select from dropdown list	Have three bids been received?	Yes		If not, why? List ar	nd provide amount	s below
1 Traverse Group \$2,467,356 No 2 Central Florida Tapping \$2,399,705 No 3 ECO-2000 \$2,155,950 Yes Description of the Components of Parts / Materials and Scaping / Site Restoration (her Components (specify): ap Time (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of Parts / Materials (ap-H Engineers (CEI, As Built, ROW Permits) 4,858.00 Description of P	Bid	Company			Amount	Selected
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Approvals

Review Completed by Does project align with utility pla	Nate Carver an and meet technical requirem	Date:	8/29/2016 es ☑ No □	
Comments This project aligns with the utilit	y plan and meets UI technical ı	requirements.		
Technical Peer Review Review Sponsored by	Patrick C. Flynn	Date Held	8/25/2016	
Approval to proceed Comments (note if feedback red	Yes ☑ No □	Date Held	0/23/2010	
FP&A Review	Daniel K. Oanner	Date	0/05/0040	
Review Completed by Does Project comply with current and the current Does Project comply with current Does Project comply with current Does Project completed by Does Project com	Bryan K. Gongre nt Utility Rate and Regulatory F	Date:	8/25/2016 es ☑ No □	
Comments				Applicable?
Approvals	Bryan K. Gongre	Date:	8/25/2016	Applicable? ☑
Approvals Regional Manager: VP Operations:	Bryan K. Gongre Patrick C. Flynn	Date:	8/25/2016 8/30/2016	_ ''
Approvals Regional Manager:				✓
Approvals Regional Manager: VP Operations:	Patrick C. Flynn John P. Hoy	Date:	8/30/2016	
Approvals Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/30/2016	
Approvals Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/30/2016	
Approvals Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/30/2016	
Approvals Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/30/2016	