



Interoffice Memorandum

August 30, 2021

TO: Mayor Jerry L. Demings
-AND-
County Commissioners

FROM: Ed Torres, M.S., P.E., LEED AP, Director
Utilities Department

A handwritten signature in black ink, appearing to read "Ed Torres", with a long, sweeping horizontal line extending to the right.

**SUBJECT: BCC Agenda Item – Consent Agenda
September 14, 2021 BCC Meeting
Change Order Number 4 to Contract Y18-719-TA John Young Parkway Reclaimed
Water Main Improvements
Contact Person: Troy Layton, BCEE, Manager
Utilities Field Services Division
407-254-9794**

Felix Associates of Florida, Inc. has submitted a price proposal for additional services under the terms of Contract Y18-719-TA. The project furnished and installed reclaimed water main including approximately: 17,000 linear feet of 24-inch ductile iron pipe, 1,000 liner feet of casing pipe, 4,400 linear feet of 30-inch directional drilled pipe to upsize the existing system. Approximately 9,000 linear feet of 12-inch reclaimed water main was removed along with removal and replacement of storm piping and replacement of trees damaged as part of the work.

The proposed Change Order Number 4, in the amount of \$312,239.86, provides for final quantity adjustments for additions and deductions to the work. Additional footage of directionally drilled 30-inch pipe was required in multiple locations due to access issues in the field along with conflicts with the SR 528 interchange. Additional footage of bore and jack casing was required in multiple locations to account for as-built lengths installed due to constructability and access for the work. Deductions included removal of storm structures, elimination of small pipe and removal of a 24-inch directional drill

A summary of previous change orders is provided below.

- Change Order No. 1, for the addition of \$7,484.89, was approved June 2019 for the relocation of an existing 24-inch gate valve and costs for the demolition and removal of existing concrete from a previous pipe repair.
- Change Order No. 2, in the amount of \$125,546.00, was approved June 2020 to install piping at a deeper elevation due to a conflict with the future Shingle Creek Trail project. In addition there were costs to perform emergency work at the 30-inch forcemain including removal of the required bypass, demobilize and then reestablish the bypass at a later date due to a high head condition created by a pipe break in the system.
- Change Order No. 3, in the amount of \$283,212.48, was approved May 2021 to relocate the 42-inch jack and bore due to a conflict with an existing storm piping under the SR 417. The work required grouting casing pipe, remobilizing and reinstalling the 42-inch casing pipe at a different location.

The original contract was in the amount of \$8,772,546.50. The four Change Orders increase the contract value by \$728,483.23 or 8.34%. The revised contract amount is \$9,501,029.73.

Action Requested: Approval and execution of Change Order Number 4, Contract Y18-719-TA, John Young Parkway Reclaimed Water Main Improvements, with Felix Associates of Florida, Inc., in the amount of \$312,239.86, for a revised total contract amount of \$9,501,029.73.

Districts 1 and 4.

SEP 14 2021

ORANGE COUNTY UTILITIES

Contractor: Felix Associates of Florida, Inc. Change Order Number 4 Page 1 of 2
Vendor Code _____ Date June 17 2021
Contract No. Y18-719-TA Original Contract Amount \$8,772,546.50
Project Name John Young Parkway Reclaimed Water Main Improvements Revised Contract Amount \$9,501,029.73
Engineer BFA, Inc.
Sequence No. 62605

Item No.	Quantities	Unit	Description	Unit Price	Additions	Deductions
1	6	EA	COR7-1: Install DIP underneath Existing Drainage (15"-24"), Sta	\$3,325.00	\$19,950.00	
2	3	EA	COR7-2: Install DIP underneath Existing Drainage (30"-36"), Sta	\$6,182.00	\$18,546.00	
3	501	LF	COR0011-1: Additional Directional Drill 30" HDPE RWM, Sta 29	\$510.00	\$255,510.00	
4	1	EA	COR0011-9: Exploratory Soft Digs for Alternate Pipe Locations	\$19,406.33	\$19,406.33	
5	1	EA	COR0011-10: Additional Survey	\$3,762.50	\$3,762.50	
6	1	EA	COR0011-11: Remobilization to JYP & SR 528	\$2,539.27	\$2,539.27	
7	1	EA	COR0011-12: Temporary Access Ramp to Exit Pit Sta 303+40	\$2,782.85	\$2,782.85	
8	1	EA	COR0011-13: Bonds Increase	\$2,694.28	\$2,694.28	
9	1	EA	COR12: FDOT Lighting conduit/wire replacement	\$16,200.08	\$16,200.08	
10	-5	LF	Adjust Line Item #11: Furnish and Install 12-inch DI Reclaimed V	\$180.00		(\$900.00)
11	-1172.9	LF	Adjust Line Item #12: Furnish and Install 24-inch DI Reclaimed V	\$138.00		(\$161,860.20)
12	4	LF	Adjust Line Item #25: Bore and Jack 42" Steel Casing, Sta 129+	\$1,030.00	\$4,120.00	
13	23	LF	Adjust Line Item #26: Bore and Jack 42" Steel Casing, Sta 131+	\$1,040.00	\$23,920.00	
14	1	LF	Adjust Line Item #27: Bore and Jack 42" Steel Casing, Sta 136+	\$1,320.00	\$1,320.00	
15	54	LF	Adjust Line Item #29: Bore and Jack 42" Steel Casing, Sta 306+	\$1,020.00	\$55,080.00	
16	9	LF	Adjust Line Item #31: Bore and Jack 42" Steel Casing, Sta 326+	\$900.00	\$8,100.00	
17	-44	LF	Adjust Line Item #32: Install Steel Casing by Open Cut	\$300.00		(\$13,200.00)
Subtotal From Page 2 Quantities					\$273,016.00	(\$218,747.25)

Totals		\$706,947.31	(\$394,707.45)
Percent Complete Time 100%	Percent Complete Cost: 100%	Net Dollars This Change Order	\$312,239.86
Total Time Previous Change Orders	120 Days	Net Dollars Previous Change Order	416,243.37
Total Time This Change Order	130 Days	Net Dollar Changes to Date	\$728,483.23
Original Contract Time	750 Days	Original Contract Dollar Amount	\$8,772,546.50
Revised Contract Time	1000 Days	Revised Contract Dollar Amount	\$9,501,029.73

CONTRACTOR

This change order includes not only all direct costs of contractor such as labor, material, job overhead, and profit markup but also includes any costs for modifications or changes in sequence of work to be performed, delays rescheduling, disruptions, extended direct overhead, acceleration, material, or other escalation which includes wages, and other impact costs.

BY [Signature] Date 7/14/21
Contractor's Signature

BY JOHN GRAF, PROJECT MANAGER
Accepted for Contractor By: Print Name & Title

ORANGE COUNTY UTILITIES

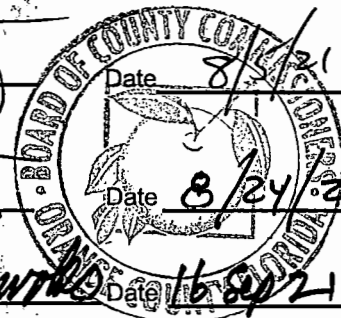
Approval Recommended:

By [Signature] Date 8/5/21
Chief Inspector Name: James Montalvo

By [Signature] Date 8/5/21
Manager

By [Signature] Date 8/24/21
Director Utilities

By [Signature] Date 16 Sep 21
Orange County Mayor



ORANGE COUNTY UTILITIES

Contractor: Felix Associates of Florida, Inc.

Change Order Number 4

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Vendor Code _____

Date June 17 2021

Contract No. Y18-719-TA

Original Contract Amount	\$8,772,546.50
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Project Name John Young Parkway Reclaimed Water Main
Improvements

Revised Contract Amount	\$9,501,029.73
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Engineer BFA, Inc.

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