




Interoffice Memorandum

**AGENDA ITEM**

February 22, 2021

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

FROM: Jon V. Weiss, P.E., Director  
Planning, Environmental, and Development  
Services Department 

CONTACT PERSON: David D. Jones, P.E., CEP, Manager  
Environmental Protection Division  
(407) 836-1406

SUBJECT: March 23, 2021 – Consent Item  
Ratification of Change Order No. 2 to Contract Y20-767  
Keystone Drive Nutrient Separating Baffle Box and Upflow Filter  
Water Quality Improvement Project

Carr and Collier, Inc. was awarded Contract Y20-767 for \$743,157.00 by the Board on October 27, 2020. The project includes installation of nutrient pollutant removal structures (nutrient separating baffle box and upflow filter) that will be installed below the street grade in line with the stormwater drainage system. These structures are designed to remove nutrients before the stormwater enters Lake Pineloch. This project has been awarded cost share funding with the St. Johns River Water Management District per Agreement #35743, which received Board approval on October 13, 2020 in the amount of \$359,293.

Construction of the Keystone Drive Baffle Box and Upflow Filter Water Quality Best Management Practice (BMP) began on January 25, 2021. During construction, a sanitary service line was found to cross Keystone Drive within the work zone resulting in a utility conflict. To resolve this conflict, the project engineer of record redesigned and reconfigured the BMP. This reconfiguration results in an increase in time and materials needed to resolve the utility conflict and continue the construction of the water quality improvement BMP.

Change Order No.1 under Contract Y20-767 was initially to locate the extent of a sanitary sewer line in the proximity of the project. The amount for this Change Order was \$2,000.06 and was issued on January 26, 2021.

Change Order No. 2 under Contract Y20-767 includes the time and materials needed to resolve the location of the boxes. There are changes in the precast materials and location of the connection to the stormwater system. The amount for this Change Order was \$72,042.55 and the Change Order was coordinated with the Procurement Division.

Page 2

March 23, 2021 – Consent Item

Change Order No. 2 to Contract Y20-767, Keystone Drive Nutrient Separating Baffle Box and Upflow Filter Water Quality Improvement Project

The original contract was in the amount of \$743,157.00. The two Change Orders increase the contract value by \$74,042.61 or 9.96%, for a revised contract total amount of \$817,199.61.

This Change Order is being submitted for ratification because an emergency procurement was necessary. Delays in executing Change Order No. 2 would have resulted in additional cost for the contractor to remobilize on site. An Emergency Purchase request was issued by the Procurement Division on February 19, 2021, for Change Order No. 2.

The Environmental Protection Division's Water Quality Capital Project fund line 1023-068-2482-3197 has sufficient funding for the Change Order.

**ACTION REQUESTED: Ratification of Change Order No. 2 to Contract Y20-767, with Carr and Collier, Inc., in the amount of \$72,042.55 for the Keystone Drive Nutrient Separating Baffle Box and Upflow Filter Water Quality Improvement Project, for a revised total contract amount of \$817,199.61. District 3**

JVW/DJ: mg

Attachment

Board of County Commissioners

### Change Order/ Amendment

PO Number: C20767- 2

Orange County, Florida  
Telephone (407) 836-5635

### STANDARD

ABOVE PURCHASE ORDER NUMBER MUST APPEAR  
ON ALL INVOICES, BILLS OF LADING, PACKAGES  
AND CORRESPONDENCE.

**Invoice To:** Environmental Protection Division  
3165 McCrory Place, Suite #200

Prcu.Id: 2119502  
Date: 02/19/2021 Page: 1 of 1

Orlando, FL 32803  
**Phone (407) 836-1400**

**Ship To:** Environmental Protection Division  
Conf: NO

3165 McCrory Place, Suite #200  
Phone (407) 836-1400  
Orlando, FL 32803  
Lisa Woerner  
407-836-5713

APPROVED BY ORANGE  
COUNTY BOARD OF COUNTY  
COMMISSIONERS

Vendor Number: 740511  
Contact: ANTONIO LUMLEY  
Vendor: CARR & COLLIER INC  
1410 EMERSON ST

BCC Mtg. Date: March 23, 2021

LEESBURG, FL 34748-6008  
352-314-3625

Delivery Date: 11/17/2020  
Reference: Y20-767  
Authorized by: Rolando Melo  
FOB: FOB Dest, Freight Prepaid  
TOTAL: \$817,199.61

Award Date:

Award Amount:

LINE NO	QUANTITY	UNIT	DESCRIPTION	ACCOUNTING LINE AMOUNT	UNIT COST	TOTAL COST
1	817199.61000	EA	Construction - Keystone Drive nutrient separating baffle box and upflow filter water quality improvement project. Lump Sum: \$ 743,157.00 Division Contact: Mitchell Katz Phone: 407-340-6605 Board Approved Date 10/27/2020 10% Retainage Terms Apply 1/26/2021 CO #1 issued for additional services, \$2,000.06. Authorized by: Rolando Melo. 2/19/21 - CO#2: Emergency Change Order for additional services, \$72,042.55, BCC ratification approval to be provide at a later date. Authorized by Rolando Melo.		1.000000	817,199.61
	RQSOC NO: Q00000126780					
	1023 068 2482 3197			817,199.61		
					<b>TOTAL:</b>	<b>\$817,199.61</b>

**Special Instructions:**

THIS ORDER IS SUBJECT TO THE TERMS AND  
CONDITIONS ATTACHED HERETO

VENDOR COPY

AUTHORIZED SIGNATURE

Rev.10/2015

Board of County Commissioners

# Change Order/ Amendment

PO Number: C20767- 1

Orange County, Florida  
Telephone (407) 836-5635

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Lisa Woerner  
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COUNTY BOARD OF COUNTY  
COMMISSIONERS

BCC Mtg. Date: March 23, 2021

Vendor Number: 740511  
Contact: ANTONIO LUMLEY  
Vendor: CARR & COLLIER INC  
1410 EMERSON ST

LEESBURG, FL 34748-6008  
352-314-3625

Delivery Date: 11/17/2020  
Reference: Y20-767  
Authorized by: Rolando Melo  
FOB: FOB Dest, Freight Prepaid  
TOTAL: \$745,157.06

Award Date:

Award Amount:

LINE NO	QUANTITY	UNIT	DESCRIPTION	ACCOUNTING LINE AMOUNT	UNIT COST	TOTAL COST
1	745157.06000	EA	Construction - Keystone Drive nutrient separating baffle box and upflow filter water quality improvement project. Lump Sum: \$ 743,157.00 Division Contact: Mitchell Katz Phone: 407-340-6605 Board Approved Date 10/27/2020 10% Retainage Terms Apply 1/26/2021 CO #1 issued for additional services, \$2,000.06. Authorized by: Rolando Melo.		1.000000	745,157.06
	RQSOC NO: Q00000126780					
	1023 068 2482 3197			745,157.06		
					<b>TOTAL:</b>	<b>\$745,157.06</b>

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# PURCHASE ORDER

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PO Number: **C20767**

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AND CORRESPONDENCE.

Prcu.Id: 2119502

Date: 11/17/2020 Page: 1 of 1

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Conf: NO

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Orlando, FL 32803  
Lisa Woerner  
407-836-5713

Delivery Date: 11/17/2020

Reference: Y20-767

Authorized by: Rolando Melo

FOB: FOB Dest, Freight Prepaid

TOTAL: \$743,157.00

Award Date:

Award Amount:

LINE NO	QUANTITY	UNIT	DESCRIPTION	ACCOUNTING LINE AMOUNT	UNIT COST	TOTAL COST
1	743157.00000	EA	Construction - Keystone Drive nutrient separating baffle box and upflow filter water quality improvement project. Lump Sum: \$ 743,157.00 Division Contact: Mitchell Katz Phone: 407-340-6605 Board Approved Date 10/27/2020 10% Retainage Terms Apply		1.000000	743,157.00
	RQSOC NO: Q00000126780					
	1023 068 2482 3197			743,157.00		
					TOTAL:	\$743,157.00

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AUTHORIZED SIGNATURE

Rev.10/2015



OWNER: ORANGE COUNTY  
 LOCATION: KEYSTONE DRIVE  
 DESCRIPTION: CHANGE ORDER 2 BAFFLE BOX CONFLICT WITH EXISTING 54" RCP  
 DATE: 5-Feb-2021

COST CODE	PROJECT SCOPE DESCRIPTION	QTY	UNIT	MATL UNIT	TOTAL MATERIAL	LABOR UNIT	TOTAL LABOR	EQUIP UNIT	TOTAL EQUIP	SUB UNIT	TOTAL SUB	TOTAL	NOTES
2000	ADDITIONAL 54" RCP	24	LF	215.00	5,160.00	0.00	0.00	0.00	0.00	0.00	0.00	5,160.00	
2005	ADDITIONAL 18" RCP	16	LF	95.00	1,520.00	0.00	0.00	0.00	0.00	0.00	0.00	1,520.00	
2010	ADDITIONAL PRECAST COST-MODIFICATION OF S-3	1	LS	5,500.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	5,500.00	
2020	ADDITIONAL BLUE IRON MOBILIZATION	1	LS	0.00	0.00	0.00	0.00	0.00	0.00	5,000.00	5,000.00	5,000.00	
2910	SUPERINTENDENT	2	WKS	0.00	0.00	2,000.00	4,000.00	0.00	0.00	0.00	0.00	4,000.00	
2300	PIPE FOREMAN	80	HRS	0.00	0.00	37.50	3,000.00	0.00	0.00	0.00	0.00	3,000.00	
2301	OPERATOR (EXCAVATOR)	80	HRS	0.00	0.00	22.00	1,760.00	0.00	0.00	0.00	0.00	1,760.00	
2303	OPERATOR (LOADER 3.5 CY)	80	HRS	0.00	0.00	21.00	1,680.00	0.00	0.00	0.00	0.00	1,680.00	
2305	PIPE LAYER (1)	80	HRS	0.00	0.00	20.00	1,600.00	0.00	0.00	0.00	0.00	1,600.00	
2310	PIPE LAYER (2)	80	HRS	0.00	0.00	20.00	1,600.00	0.00	0.00	0.00	0.00	1,600.00	
2315	LABORER	80	HRS	0.00	0.00	17.50	1,400.00	0.00	0.00	0.00	0.00	1,400.00	
2354	SUPERINTENDENT PICK-UP	80	HRS	0.00	0.00	0.00	0.00	22.85	1,828.00	0.00	0.00	1,828.00	
2355	PIPE FOREMAN PICK-UP	80	HRS	0.00	0.00	0.00	0.00	20.80	1,664.00	0.00	0.00	1,664.00	
2405	EXCAVATOR (8 TON)	80	HRS	0.00	0.00	0.00	0.00	37.77	3,021.60	0.00	0.00	3,021.60	
2407	LOADER 3.5 CY	80	HRS	0.00	0.00	0.00	0.00	51.60	4,128.00	1.00	80.00	4,208.00	
2485	PLATE COMPACTER	80	HRS	0.00	0.00	0.00	0.00	8.41	672.80	0.00	0.00	672.80	
2500	ADDITIONAL DEEP WELL	1	EA	0.00	0.00	0.00	0.00	0.00	0.00	2,500.00	2,500.00	2,500.00	
2505	DEWATERING PUMP TIME	80	HRS	0.00	0.00	0.00	0.00	29.50	2,360.00	0.00	0.00	2,360.00	
2507	TRASH PUMPS FOR UPSTATION MH'S (2 EA)	160	HRS	0.00	0.00	0.00	0.00	28.95	4,632.00	1.00	160.00	4,792.00	
2515	HAUL OUT EXCAVATED SOILS	1	LDS	0.00	0.00	0.00	0.00	0.00	0.00	300.00	300.00	300.00	
2517	HAUL IN BACKFILL SOILS	1	LDS	0.00	0.00	0.00	0.00	0.00	0.00	300.00	300.00	300.00	
2600	ASPHALT (ADDITIONAL)	50	SY	12.00	600.00	0.00	0.00	6.00	300.00	10.00	500.00	1,400.00	
2800	ROLL OFF CAN ASPHALT DEBRIS	1	EA	0.00	0.00	0.00	0.00	450.00	450.00	0.00	0.00	450.00	
<b>SUBTOTAL CONSTRUCTION COSTS</b>					<b>12,780.00</b>		<b>18,040.00</b>		<b>19,056.40</b>		<b>8,840.00</b>	<b>55,716.40</b>	

COST CODE	GENERAL CONDITIONS DESCRIPTION	QTY	UNIT	MATL UNIT	TOTAL MATERIAL	LABOR UNIT	TOTAL LABOR	EQUIP UNIT	TOTAL EQUIP	SUB UNIT	TOTAL SUB	TOTAL	NOTES
1032	LAYDOWN YARD	3	WEEK	125.00	375.00	0.00	0.00	0.00	0.00	0.00	0.00	375.00	
<b>SUBTOTAL GENERAL CONDITIONS</b>					<b>375.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>375.00</b>	

CCI requests an additional 15 days contract time  
 plus time to process and approve change order and remobilize beginning 02-02-2021

		TOTAL MATERIAL	TOTAL LABOR	TOTAL EQUIP	TOTAL SUB	TOTAL
<b>SUBTOTALS (from above)</b>		13,155.00	15,040.00	19,056.40	8,840.00	56,091.40
Labor Burden	Social Security 6.20%		932.48			932.48
Labor Burden	State Unemployment Insurance SUTA 6.00%		902.40			902.40
Labor Burden	Federal Unemployment Insurance FUTA 0.80%		120.32			120.32
Labor Burden	Federal Medicare Tax 1.45%		218.08			218.08
Labor Burden	General Liability 18.55%		2,789.92			2,789.92
Labor Burden	Workers Compensation 9.00%		1,353.60			1,353.60
Labor Burden	Subcontractor Bond 0.00%					0.00
<b>CHANGE ORDER LABOR BURDEN and COSTS SUBTOTAL</b>		<b>13,155.00</b>	<b>21,356.80</b>	<b>19,056.40</b>	<b>8,840.00</b>	<b>62,408.20</b>

Labor Burden Subtotal  
\$6,316.80

<b>SUBTOTAL</b>		<b>62,408.20</b>
GC MARK UP @ 15%		8,035.23
SUB MARK UP @ 7.5%		663.00
P&P BOND @ (1.5%)		936.12
<b>PROJECT ADDER</b>		<b>72,942.55</b>



OWNER: ORANGE COUNTY  
 LOCATION: Keystone Dr Baffle Boxes  
 DESCRIPTION: Pothole for unidentified private force main One Thousand Oaks Condominiums/add to as-builts when located  
 DATE: 20-Jan-2021

COST CODE	PROJECT SCOPES DESCRIPTION	QTY	UNIT	MAT'L UNIT	TOTAL MATERIAL	LABOR UNIT	TOTAL LABOR	EQUIP UNIT	TOTAL EQUIP	SUB UNIT	TOTAL SUB	TOTAL	NOTES
2301	OPERATOR (MINI EXCAVATOR)	10	HRS	0.00	0.00	22.54	225.40	0.00	0.00	0.00	0.00	225.40	
2305	PIPE LAYER (1)	10	HRS	0.00	0.00	19.18	191.80	0.00	0.00	0.00	0.00	191.80	
2310	FLAGGER/PIPE LAYER (2)	10	HRS	0.00	0.00	19.18	191.80	0.00	0.00	0.00	0.00	191.80	
2405	EXCAVATOR MINI	10	HRS	0.00	0.00	0.00	0.00	30.38	303.80	0.00	0.00	303.80	
<b>SUBTOTAL CONSTRUCTION COSTS</b>					<b>0.00</b>		<b>609.00</b>		<b>303.80</b>		<b>0.00</b>	<b>912.80</b>	

COST CODE	GENERAL CONDITIONS DESCRIPTION	QTY	UNIT	MAT'L UNIT	TOTAL MATERIAL	LABOR UNIT	TOTAL LABOR	EQUIP UNIT	TOTAL EQUIP	SUB UNIT	TOTAL SUB	TOTAL	NOTES
1028	MOT DEVICES	1	LS	50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	
1050	SURVEY LAYOUT / AS-BUILTS	1	LS	0.00	0.00	0.00	0.00	0.00	0.00	400.00	400.00	400.00	
1900	COMPANY VEHICLES												
	PICKUP - FOREMAN	9	HR	0.00	0.00	0.00	0.00	13.40	120.60	0.00	0.00	120.60	
<b>SUBTOTAL GENERAL CONDITIONS</b>					<b>50.00</b>		<b>0.00</b>		<b>120.60</b>		<b>400.00</b>	<b>570.60</b>	

PROJECT RECAP					
	TOTAL MATERIAL	TOTAL LABOR	TOTAL EQUIP	TOTAL SUB	TOTAL
SUBTOTALS (from above)	50.00	609.00	424.40	400.00	1,483.40
PROJECT COSTS SUBTOTAL	50.00	864.78	424.40	400.00	1,739.18

<b>SUBTOTAL</b>	<b>1,739.18</b>
GC MARK UP @ 15%	260.88
P&P BOND @ 1.5% (NOT INCL.)	0.00
CONTINGENCY	0.00
<b>PROJECT SUBTOTAL</b>	<b>2,000.06</b>