



To: Greg Chavarria, City Manager
From: Alan Dodd, Director – Public Works
Date: December 19, 2023
Re: Change Order No. 3 for Project No. 11715

Job Description: Project No. 11715, Las Olas Isles Undergrounding of Overhead Utilities
Contractor: Ferreira Construction Southern Division Co., Inc.
Amount: Total amount of Change Order No. 3 – \$591,306.49 plus 90 additional days
Funding: 10-354-9100-554-60-6599-P11715

The purpose of this Change Order is:

To address quantity overruns and reductions for this period that were due to multiple transformer relocations based on customer needs, differences between estimated and actual conduit/wire footages and vault/hand hole installations, and additional work necessary due to FPL plan revisions and field conditions.

NEW AND EXISTING CONTRACT ITEMS ARE UTILIZED – TOTAL CREDIT (\$349,660.72)

- Item No. 3 Install FPL 6" Single Phase Transformer Pad Complete
Reduction of quantity from 10 pads to 7 pads. Field conditions did not require this work.
DEDUCT 3 X \$500.00 EACH = \$1,500.00
- Item No. 6 Install FPL Pad, Boxes and Chambers 24" Three Phase Transformer Pad Complete
Reduction of quantity from 2 pads to 1 pad. Field conditions did not require this work.
DEDUCT 1 X \$2,000.00 EACH = \$2,000.00
- Item No. 7 Install FPL Pad, Boxes and Chambers 6" Three Phase Transformer Pad Complete
Reduction of quantity from 1 pad to 0 pads. Field conditions did not require this work.
DEDUCT 1 X \$2,000.00 = \$2,000.00





- Item No. 9 Install FPL Pad, Boxes and Chambers 5' x 10' Feeder Splice Box Complete
Reduction of quantity from 4 to 3. Field conditions did not require this work.
DEDUCT 1 X \$2,000.00 = \$2,000.00
- Item No. 13 Install FPL Pads, Boxes and Chambers Driveway Loading Rated 50" Splice Box
Reduction in quantity from 15 to 8. Field conditions did not require this work.
DEDUCT 7 X \$1,500.00 = \$10,500.00
- Item No. 15 FPL Directional Boring 1-6" Conduit
Reduction in quantity from 288 LF to 68 LF. Field conditions did not require this work.
DEDUCT 68 X \$20.00 = \$1,360.00
- Item No. 18 FPL Directional Boring 2-2" Conduit
Reduction in quantity from 5500 to 3206. Field conditions did not require this work.
DEDUCT 2,294 X \$16.00 = \$36,704.00
- Item No. 24 Trenching 30" Hand Dig with Backfill
Reduction in quantity from 200 to 0. Field conditions did not require this work.
DEDUCT 200 X \$100.00 = \$20,000.00
- Item No. 29 Install FPL Conduit Only 1-6" Complete.
Reduction in quantity from 1000 to 520. Field conditions did not require this work.
DEDUCT 480 X \$15.00 = \$7,200.00
- Item No. 30 Install ATT/Comcast Conduit Only 1-4" Complete.
Reduction in quantity from 3500 to 2288. Field conditions did not require this work.
DEDUCT 1,212 X \$10.00 = \$12,120.00
- Item No. 31 Install ATT/Comcast Conduit Only 1-2" Complete.
Reduction in quantity from 4500 to 1872. Field conditions did not require this work.
DEDUCT 2,628 X \$8.00 = \$21,024.00
- Item No. 32 Install ATT/Comcast Conduit Only 1-1" Complete.
Reduction in quantity from 3000 to 1092. Field conditions did not require this work.
DEDUCT 1,908 X \$8.00 = \$15,264.00
- Item No. 33 Install FPL Cable 4/0 HDPE-TPX Secondary Cable in 2" Conduit 50' or Less
Reduction in quantity from 26000 to 24738. Field conditions did not require this work.
DEDUCT 1,262 X \$2.00 = \$2,524.00





- Item No. 34 Install FPL Cable 4/0 HDPE-TPX Secondary Cable in 2" Conduit 51' to 200'
Reduction in quantity from 1,000 to 0. Field conditions did not require this work.
DEDUCT 1,000 X \$2.00 = \$2,000.00
- Item No. 35 Install FPL Cable 4/0 HDPE-TPX Secondary Cable in 2" Conduit Over 200'
Reduction in quantity from 1000 to 950. Field conditions did not require this work.
DEDUCT 50 X \$6.00 = \$300.00
- Item No. 36 Install FPL Cable 1CC-1/0 XPE Primary Cable in 2" Conduit 100' or Less
Reduction in quantity from 1,000 to 0. Field conditions did not require this work.
DEDUCT 1,000 X \$2.50 = \$2,500.00
- Item No. 37 Install FPL Cable 1CC-1/0 XPE Primary Cable in 2" Conduit 101' to 400'
Reduction in quantity from 1,000 to 680. Field conditions did not require this work.
DEDUCT 320 X \$3.00 = \$960.00
- Item No. 45 Splice FPL Cable 3CC-1000KCMIL XPE Feeder Cable Complete
Reduction in quantity from 40 to 20. Field conditions did not require this work.
DEDUCT 20 X \$300.00 = \$6,000.00
- Item No. 48 Install FPL Pad Mounted Transformer Three Phase Complete
Reduction in quantity from 3 to 0. Field conditions did not require this work.
DEDUCT 3 X \$1,000.00 = \$3,000.00
- Item No. 50 Install FPL Feeder Riser 3CC 1000KCMIL on Existing Wood Pole Complete
Reduction in quantity from 1 to 0. Field conditions did not require this work.
DEDUCT 1 X \$4,000.00 = \$4,000.00
- Item No. 51 Install Feeder Riser 3CC 1000KCMIL on Concrete Pole Complete
Reduction in quantity from 1 to 0. Field conditions did not require this work.
DEDUCT 1 X \$4,000.00 = \$4,000.00
- Item No. 52 Install FPL Service Meter to Access Customer Cable to Intercept Existing UG
Reduction in quantity from 1 to 0. Field conditions did not require this work.
DEDUCT 1 X \$4,000.00 = \$4,000.00





- Item No. 53 Install FPL Service Meter to Convert Existing FPL Service Meter Enclosure Only
Reduction in quantity from 1 to 0. Field conditions did not require this work.
DEDUCT 1 X \$4,000.00 = \$4,000.00
- Item No. 54 Install FPL UG Service 4/0 TPX Including 2" Conduit, Cable, 24" Trench
Reduction in quantity from 500 to 0. Field conditions were not required.
DEDUCT 500 X \$10.00 = \$5,000.00
- Item No. 55 Install FPL UG Service Parallel 4/0 TPX Including 2" Conduit, Cable, 24" Trench
Reduction in quantity from 500 to 0. Field conditions did not require this work.
DEDUCT 500 X \$10.00 = \$5,000.00
- Item No. 57 Type D Curb
Reduction in quantity from 2500 to 100. Field conditions did not require this work.
DEDUCT 2,400 X \$12.00 = \$28,800.00
- Item No. 67 Permit Fees Allowance
Reduction from \$10,000.00 to \$7,832.00. Field conditions did not require this work.
DEDUCT \$10,000.00 - \$7,832.00 = \$2,168.00
- Item No. CO 3-1 Landscape Allowance
Reduction from \$100,000.00 to \$50,000.00. Field conditions did not require this work.
DEDUCT \$100,000.00 - \$50,000.00 = \$50,000.00
- Item No. CO 3-2 Tree Removal
Reduction in quantity from 4 to 0. Field conditions did not require this work.
DEDUCT 4 X \$1,500.00 - \$6,000.00
- Item No. 68 Install ATT/Comcast 10" x 15" Handholes.
Reduction in quantity from 318 to 226. Field conditions did not require this work.
DEDUCT 92 X \$953.66 = \$87,736.72





NEW AND EXISTING CONTRACT ITEMS ARE UTILIZED – TOTAL ADDITIVE COST \$940,967.21

Item No. 4	Install FPL Pad, Boxes and Chambers 24" Single Phase Transformer Pad Complete Increase in quantity from 118 to 124. Field conditions required an increase. ADD 6 X \$400 = \$2,400.00
Item No. 10	Install FPL Pad, Boxes and Chambers 48" Polymer Primary Pull Box Complete Increase in quantity from 9 to 17. Field conditions required an increase. ADD 8 X \$1,500 = \$12,000.00
Item No. 12	Install FPL Pads, Boxes and Chambers Driveway Loading Rated 30" Splice Box Increase in quantity from 92 to 98. Field conditions required an increase. ADD 6 X \$1,500 = \$9,000.00
Item No. 17	FPL Directional Boring 3-2" Conduit Increase in quantity from 32200 to 33982. Field conditions required an increase. ADD 1,782 X \$20.00 = \$35,640.00
Item No. 19	FPL Directional Boring 1-2" Conduit Increase in quantity from 13100 to 17165. Field conditions required an increase. ADD 4,065 X \$11.00 = \$44,715.00
Item No. 20	ATT/Comcast Directional Boring 1-4" Conduit Increase in quantity from 40000 to 42033. Field conditions required an increase. ADD 2,033 X \$15.50 = \$31,511.50
Item No. 21	ATT/Comcast Directional Boring 1-2" Conduit Increase in quantity from 23600 to 32034. Field conditions required an increase. ADD 8,434 X \$9.00 = \$75,906.00
Item No. 22	ATT/Comcast Directional Boring 2-1" Conduit Increase in quantity from 18600 to 20370. Field conditions required an increase. ADD 1,770 X \$9.00 = \$15,930.00
Item No. 23	Trenching 24" Hand Dig with Backfill Increase in quantity from 1000 to 1682. Field conditions required an increase. ADD 682 X \$100.00 = \$68,200.00
Item No. 28	Install FPL Conduit Only 1-2" Complete. Increase in quantity 6000 to 11023. Field conditions required an increase. ADD 5,023 X \$15.00 = \$75,345.00
Item No. 38	Install FPL Cable 1CC-1/0 XPE Primary Cable in 2" Conduit Over 400' Increase in quantity from 84520 to 104986. Field conditions required an increase. ADD 20,466 X \$3.00 = \$61,398.00





- Item No. 42 Terminate FPL Cable 1/0 XPE Primary Cable Complete
Increase in quantity from 100 to 306. Field conditions required an increase.
ADD 206 X \$17.00 = \$3,502.00
- Item No. 44 Splice FPL Cable 1/0XPE Primary Cable Complete
Increase in quantity from 50 to 70. Field conditions required an increase.
ADD 20 X \$200.00 = \$4,000.00
- Item No. 46 Install FPL Pad Mounted Transformer Single Phase Complete
Increase in quantity from 117 to 120. Field conditions required an increase.
ADD 3 X \$1,000.00 = \$3,000.00
- Item No. 47 Install FPL Pad Mounted Transformer Open Delta (2 TXs) Complete
Increase in quantity from 1 to 2. Field conditions required an increase.
ADD 1 X \$3,000.00 = \$3,000.00
- Item No. CO 1-4 Install ATT/Comcast 30" X 48" Handholes
Increase in quantity from 229 to 276. Field conditions required an increase.
ADD 47 X \$1,678.84 = \$78,905.48
- Item No. CO 1-5 Residence Service Directional Boring Setups with Pits Complete
Increase in quantity from 200 to 461. Field conditions required an increase.
ADD 261 X \$542.87 = \$141,689.07
- New Item No. CO 3-3 Supervision & Yard Rental Costs for Las Olas Work
General and Administration expenses for an additional 20 days on the job.
ADD 20 DAYS X \$2,946.00 = \$58,920.00
- New Item No. CO 3-4 Additional MOT Las Olas Work
Additional 13 days MOT on Las Olas Blvd
ADD 13 DAYS X \$1,393.00 = \$18,109.00
- New Item No. CO 3-5 Additional Verification of Switching Steps
Additional Inspection and Verification Steps involved in FPL switching procedures.
ADD 72 STEPS X \$78.00/EA = \$5,616.00
- New Item No. CO 3-6 Change Order No. 1 Bond Rider
Bond premium increase for Change Order No. 1
ADD \$7,676.00
- New Item No. CO 3-7 Change Order No. 2 Bond Rider
Estimated rider for Change Order No.2
ADD \$3,000.00





- New Item No. CO 3-8 Removable Bollards
New item not covered in original bid documents.
Bollards must be used in lieu of curbs in many cases.
Add 27 x \$1,766.00 EA= \$47,682.00
- New Item No. CO 3-9 Fixed Bollards
New item not covered in original bid documents.
Bollards must be used in lieu of curbs in many cases.
ADD 18 X \$1,093.00 EA= \$19,674.00
- New Item No. CO 3-10 Paint Transformer Pads
Pads painted green to match transformers.
ADD 120 X \$110.78 EA= \$13,293.60
- New Item No. CO 3-11 Meter Can Modifications (Group 1)
Labor to reroute conduits.
Modifications not covered in original bid documents.
ADD 6 LOCATIONS X \$1,200.00 EA= \$7,200.00
- New Item No. CO 3-12 Meter Can Modifications (Group 2)
Labor to relocate panels, reroute conduits, and rewire.
Modifications not covered in original bid documents.
ADD 3 LOCATIONS X \$1,500.00 EA= \$4,500.00
- New Item No. CO 3-13 Meter Can Modifications (Group 3)
Labor to reroute underground pipe, relocate panel and conduits, rewire.
Modifications not covered in original bid documents.
ADD 3 LOCATIONS X \$2,500.00 EA= \$7,500.00
- New Item No. CO 3-14 Isle of Capri Vault Room (1750 Las Olas Blvd)
Reconfiguration, installation of primary cables inside existing vault room
Additional work and material not covered in original plans.
ADD \$6,829.00
- New Item No. CO 3-15 Bontona Vault Room (1770 Las Olas Blvd)
Reconfiguration, installation of primary cables inside existing vault room
Additional work and material not covered in original plans.
ADD \$4,970.00
- New Item No. CO 3-16 West Coconut Vault Room (1780 Las Olas Blvd)
Reconfiguration, installation of primary cables inside existing vault room
Additional work and material not covered in original plans.
ADD \$5,120.00





- New Item No. CO 3-17 Reconfiguration of Feeder Connections at Locations as per FPL Plan Sheet 13B4R21
Additional labor and equipment not covered in original plans.
ADD \$21,817.00
- New Item No. CO 3-18 Reconfiguration of Feeder Connections at Locations as per FPL Plan Sheet 13B4R19
Additional labor and equipment not covered in original plans.
ADD 2 X \$1,000.00 EA = \$2,000.00
- New Item No. CO 3-19 Reconfiguration of Feeder Connections at Locations as per FPL Plan Sheet 13B5R27
Additional labor and equipment not covered in original plans.
ADD 4 X \$1,000.00 EA = \$4,000.00
- New Item No. CO 3-20 Removal of Feeder Cable
Additional labor not covered in original plans.
ADD 1,000 LF X \$4.00 = \$4,000.00
- New Item No. CO 3-21 Removal of Primary Cable at Locations as per FPL Plan Sheet 13B4R17 (220' X 3)
Additional labor not covered in original plans.
ADD 660 LF X \$4.00 = \$2,640.00
- New Item No. CO 3-22 Removal of Primary Cable at Locations as per FPL Plan Sheet 13B4R18 (308 X 3) (152 X 2)
Additional labor not covered in original plans.
ADD 1,228 LF X \$4.00 = \$4,912.00
- New Item No. CO 3-23 Removal of Primary Cable at Locations as per FPL Plan Sheet 13B4R19 (86 X 3)
Additional labor not covered in original plans.
ADD 258 LF X \$4.00 = \$1,032.00
- New Item No. CO 3-24 Removal of Primary Cable at Locations as per FPL Plan Sheet 13B5R27 (138 X 3) (211 X 1)
Additional labor not covered in original plans.
ADD 625 LF X \$4.00 = \$2,500.00
- New Item No. CO 3-25 Removal of Primary Cable at Locations as per FPL Plan Sheet 13B5R28 (98 X 3)
Additional labor not covered in original plans.
ADD 294 LF X \$4.00 = \$1,176.00
- New Item No. CO 3-26 Removal of Primary Cable at Locations as per FPL Plan Sheet 13B5R29 (100 X 2)
Additional labor not covered on original plans.
ADD 200 LF X \$4.00 = \$800.00
- New Item No. CO 3-27 Removal of Primary Cable at Locations as per FPL Plan Sheet 13B5R30 (170 X 3)
Additional labor not covered on original plans.
ADD 510 LF X \$4.00 = \$2,040.00
- New Item No. CO 3-28 Directional Bore Rock Adder 1-4" (ATT/Comcast)
Field conditions required due to boring in solid rock.
ADD 2,742 LF X \$3.68 = \$10,090.56





New Item No. CO 3-29 Directional Bore Rock Adder 3-2" (FPL)
Field conditions required due to boring in solid rock.
ADD 1,840 LF X \$4.20 = \$7,728.00

NET AMOUNT OF THIS CHANGE ORDER:	\$591,306.49
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ADDITIONAL CONTRACT TIME BEING REQUESTED:	NINETY (90) CALENDAR DAYS
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THE TOTAL AMOUNT OF THIS CHANGE ORDER:	\$591,306.49
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This Change Order provides for all costs and schedule adjustments associated with completing the work, including materials, labor, equipment, bond, insurance, overhead, profit, impacts, and any and all related items or associated costs incurred or resulting from the items listed above, and is provided in accordance with Article 13 – Changes in the Work of the Contract.

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written below.

Ferreira Construction Southern Division Co., Inc.

Approved: _____


DANNY GARCIA, Vice President

Print Name and Title





CITY

CITY OF FORT LAUDERDALE, a municipal
corporation of the State of Florida.

By: _____
GREG CHAVARRIA
City Manager

Date: _____

ATTEST:

By: _____
DAVID R. SOLOMAN
City Clerk

(CORPORATE SEAL)

Approved as to form and correctness:

By: _____
RHONDA MONTOYA HASAN
Assistant City Attorney

C: Omar Castellon, Assistant Public Works Director - Engineering
Jill Prizlee, Chief Engineer
Gary Foster, Senior Project Manager
Financial Administrator
Project File





CHANGE ORDER SUMMARY SHEET

ORIGINAL CONTRACT AMOUNT	\$4,733,400.00
COST OF CHANGE ORDERS TO DATE	\$1,228,141.50
COST OF THIS CHANGE ORDER	\$591,306.49
TOTAL:	\$6,552,847.99
ORIGINAL CONTRACT TIME	420 calendar days
TIME ADDED TO DATE	240 calendar days
TIME ADDED TO THIS CHANGE ORDER	90 calendar days
TOTAL:	750 calendar days

SCHEDULE OF CHANGE ORDERS TO DATE

C.O.#	DATE	DESCRIPTION	AMOUNT OF COST OR CREDIT
1	2/21/2023	Various credits and additions And 180 additional days	\$1,228,141.50
2	11/8/2023	Additional 60 Calendar Days	\$0.00

