BOARD OF COUNTY COMMISSIONERS, BROWARD COUNTY, FLORIDA

CHANGE ORDER NO: 4

BOARD REGULAR

Project: RLI R1083508R1 - Rehabilitation of N. Airfield Pavements and EMAS Beds at FLL

Contract: PNC2117690C1 Vend: GENERAL ASPHALT CO INC

The following changes are hereby authorized upon approval of the Board and his/her signature below.
Description of Changes, Reasons Therefore, and Cost and/or Time Changes For Each:
Cost Basis: Final Quantity Adjustment, Final Quantity Adjustment, Final Quantity Adjustment

Line Nbr.1	QUANTITY ADJUSTMENT - Final Quantity Adjustment	$618,547.90	0

Description : This Change Order allows the County to do the Final Reconciliation on the project and pay the Contractor an incentive completion bonus for nine (9) days at $75,000 totaling $675,000. The contract, under clauses 40.12 through 40.16, includes a payment for an incentive completion bonus for 20 days. The payment of the partial incentive is for accelerated and out of sequence work associated with re-opening the North Runway within the 120-calendar day closure. The bonus payment covers the shut-down due to Hurricane Dorian and temporary suspension of Work related to FAA mandated flight checks. BCAD and the Contractor agreed on a total of nine bonus days for full compensation for the days of no work and for the due diligence shown to re-open the Runway as scheduled - with the 120 calendar days. The final Reconciliation is as shown below:

Completed Work and Adjustment through Pay Request #17: $71,486,353.29

Principal Change Order No. 4 Adjustments with total payment due to contractor

1. $675,000.00 Incentive Bonus payment (New Line Item)
2. ($5,000.00) Clearing & Grubbing credit (P151-4.1)
3. ($64,629.00) Bituminous Surface & leveling credit (P401-8.1)
4. $13,176.86 Regulatory Agency Allowance Accoun payment (G-1043.1)
5. $0.04 Clean & Inspect Exixting Pipe 36" Dia Adjustment (D701-5.7)

Payment due to Contractor under Change order No.4: $618,547.90

Reason : The bonus payment encompasses time for Acts of God (Hurricane Dorian) temporary suspension of work related to FAA mandated flight checks for Instrument Landing System and recognition of contractor diligence in getting the North Runway open. The contractor did not get the full bonus because a portion of the work included in the 120-day closure did not get completed within the 120 days.

Final Payment Summary is as Follows:

Completed Work through Last Pay request: $71,486,353.29

1. Incentive Bonus payment (New Line Item: $675,000.00
2. BCAD Credit for Clearing and Grubbing: $5,000.00 (P151-4.1)
3. BCAD credit for Bituminous Surface & Leveling: $64,629.00 (P401-8.1)
4. Payment from Regulatory Agency Allowance Account: $13,176.86 (G104-3.1)
5. Adjustment Payment for Clean and Inspect Existing 36" Pipe Dia: $0.04 (D-701-5.7

Balancing all the items yield to a payment to the Contractor of $618,547.90

Below is the full list of the Reconciliation Change order No. 4

All adjustments in contract units are summarized as follows. Where there is no adjustment in quantity, the payment item is not addressed.
Item No. G-104.5.1 Maintenance of Traffic

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The Maintenance of Traffic payment item covers cost to establish work areas within the airfield, supply and installation of barricades, provide escorts and other cost needed to safely work on an active airport.
This item has been adjusted to cover cost approved by BCAD to enhance airside access, improve safety and consolidate the Contractor staging area. Additional cost includes:
• Work Order #12- Gate 11X and 12X- Two additional access points were added to the staging area at the request of the Contractor to provide more efficient flow into the Airport Operations Area (AOA) and related work areas. Value of work $12,017.91.
• Work Order #22- Acquire Guard Booth and Service Guard Stations- This task proves security personnel support services during the project including light towers, temporary air condition units, tables, chairs, security canopy tents, port-o-lets, ice, water and temporary electrical services. Value of work $134,065.76.
• Work Order #28- Interlocking Barricades- BCAD Operations, in the interest of safety, requested that construction barricades be interlocking which increased the number of barricades required for the project. Value of work $44,813.85.
Total value of change order for this item $190,897.52
Item No. G-104-3.1 Regulatory Agency Permit Fees Allowance Account
This project has included significant modifications to existing FAA facilities including communication and power cabling, Runway Status Lights (RWSL) and Medium Intensity Approach Light Systems (MALS). Unforeseen cost were anticipated due to the lack of record drawings and the inability to review the existing facilities prior to closing the runway. These modifications are being made through a Reimbursable Agreement with the FAA. The FAA had dictated these upgrades and were present in the field as the modifications occurred. Upgrades to FAA facilities included:
• Upgrade and replace all light towers within the EMAS beds including installing break away devices. Replacement is dictated by the FAA to meet adjusted light angle requirements (old approach light system did not meet standards).
• Replace all electrical cabling to stations within the airport boundary.
• Provide tilt down devices for all towers over 6' in height
• Adjust perimeter security fencing to allow for taller approach light towers
In addition, as a result of unusually heavy rainfall, multiple signs were damaged due to flooding. BCAD authorized the repair of these signs under this account.
The allowance accounts identified with Items G-104-3 and G104-3.1is increased by $8,134.94 from $675,000 to $683,134.94
Item No. G-104-4- T-2 and Pond Remediation Allowance Account
The previously developed allowance account of $650,000 is being reduced by $7,186.36 as a final cost for this item A summary of the work orders authorized under this item include:
1. T-2 Remediation $306,081.60
2. Pond Remediation $151,172.00
3. Pond Remediation-Temporary Dewatering $12,520.00
4. Dewatering Due to Flooding $12,760.00
5. Electrical Exploration between T-2 and T-4 $6,160.04
6. SE Pond Drainage $108,420.00
7. NE/NE Pond Grading $45,700.00
Total $642,813.64

Item No. S-103-3.1 Asphalt Pavement Milling- 0 Inch to 1 Inch
This item reduces the contract quantities from 275,700 square yards (sy) to 196,641.81 sy. The project included three milling items (S-103-3.1,2,3). The three items were adjusted based on actual field conditions. A portion of the 0 Inch to 1 Inch quantities were shifted to item S-103-3.2.
Item No. S-103-3.2 Asphalt Pavement Milling-Over 1 inch to 3 Inches

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This item increases the contract quantities from 20,000 sy to 58,681 sy. In some areas originally planned to mill up to 1 Inch, additional milling depth was required.
Item No. S-103-3.3 Asphalt Pavement Milling- ½ Inch to 2 Inch for EMAS
This item reduces the contract quantities from 19,500 sy to 18,270.22 sy. These are the final measured quantities.
Item No. S-104-4.1 Asphalt Pavement Demolition
This item reduces the contract quantities from 251,000 sy to 226,677.29 sy. There were several areas along the inner Taxilane and Taxiway Charlie that was originally planned to be demolished. In lieu of removing the pavement, the asphalt surface was salvaged and overlaid. These revisions ultimately helped move the project along.
Item No. S-105-5.1 Painted Pavement Marking Removal
This item reduces the contract quantities from 315,000 sy to 155,251.50 sy. Through the execution of the project, it was determined that a significant amount of pavement markings anticipated to be removed could be salvaged. This resulted in a substantial savings to the project.
Item No. S-106-5.1 Geotextile fabric Moisture Barrier
This item reduces the contract quantities from 6,160 sy to 4,806.67 sy. These are final measured quantities.
Item No. P-151-4.1 Clearing and Grubbing
This item reduces the contract quantities from 160,000 sy to 152,072 sy. These are final measured quantities. This reduction includes the $5,000 credit the Contractor provided BCAD for grass mowing within the limits of the project.

Item No. P-152-4.1 Unclassified Excavation
This item increases the contract quantities from 40,000 cubic yards (cy) to 74,049.02 cy. The increase in quantities resolves a disagreement with the contractor regarding payment for material beneath the concrete keel section of the runway. The contractors claim has been resolved to the satisfaction of all parties.
Item No. P-152-4.2- 12 Inches Compacted Subgrade
This item reduces the contract quantities from 56,000 sy to 45,037.04 sy. These are final measured quantities.
Item No P-152-4.3- 18 Inches Compacted Subgrade
This item reduces the contract quantities from 136,000 sy to 127,444.42 sy. These are final measured quantities.
Item No. P-152-4.4- 32 Inches Compacted Subgrade
This item reduces the contract quantities from 29,000 sy to 21,509.83 sy. These are final measured quantities.
Item P-156-5.1- Temporary Air and Water Pollution, Soil Erosion, and Siltation Control
This item was created as a lump sum item to cover the cost of temporary pollution controls. During the progress of the project it was determined that silt barriers along the length of the runway would not be needed due to the lack of erosion being created. Therefore, the cost of the lump sum item is being reduced from $22,000 to $9,460 which reflects the deletion of the silt barrier.
Item P-211-5.1- 8 Inch Limerock Base Course (Beneath EMAS Beds)
This item reduces the contract quantities from 6,200 sy to 5,764.85 sy. These are final measured quantities.
Item P-211-5.2- 10 Inch Limerock Base Course (Beneath Shoulders)
This item reduces the contract quantities from 50,000 sy to 39,707.38 sy. These are final measured quantities.
Item P-211-5.3 – 12 Inch Limerock Bae Course (Beneath Full Strength)
This item reduces the contract quantities from 25,000 sy to 21,445.91 sy. These are final measured quantities.
Item P-211-5.4 Re-Work Limerock Base Course (Beneath EMAS Beds)
This item has been deleted from the contract. The existing limerock beneath the existing blast pads and

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EMAS beds did not require regrading and compacting. The existing grades were sufficient that final elevations were achieved using asphalt leveling course.
Item P-401-8.1 Bituminous Surface and Leveling Courses (P-401)
This item increases the contract quantities from 52,790 tons to 69,933.31 tons. These are final measured quantities. The total asphalt used in the project (P-401 and P-405) are substantially the same as the original total estimated quantities.
Item P-405-8.1 Bituminous Material for Base and Shoulder Pavement
This item decreases the contract quantities from 102,000 tons to 83,815.86 tons. These are the final measured quantities.
Item P-501-8.1 Portland Cement Concrete Pavement
This item decreases the contract quantities from 124,000 sy to 120,511.31 sy. These are the final measured quantities.
Item P-501- 8.2 Buried Transition Slab Adjacent to Existing Asphalt Pavement
This item decreases the contract quantities from 500 sy to 419.60 sy. These are the final measured quantities.
Item P-501-8.3- Buried Transition Slab Adjacent to New Pavement
This item decreases the contract quantities from 600 sy to 311.50 sy. These are the final measured quantities.
Item P-602-5.1 Bituminous Prime Coat
This item decreases the contract quantities from 29,000 gallons to 4,764.00 gallons. These are the final measured quantities.
Item P-603-5.1- Bituminous Tack Coat
This item decreases the contract quantities from 70,000 gallons to 44,541.00 gallons. These are the final measured quantities.

Item P-620-5.1-Runway and Taxiway Marking (Waterborne-Temporary-No Beads)
This item increases the contract quantities from 400,000 sf to 425,670.33 sf. These are the final measured quantities.
Item P-620-5.2- Runway and Taxiway Marking (Waterborne-Permanent-No Beads)
This item increases the contract quantities from 210,000 sf to 258,383.50 sf. These are the final measured quantities. Additional markings were provided at the request of BCAD Operations.
Item P-620-5.3- Runway and Taxiway Marking (Waterborne-Permanent-Beads)
This item increases the contract quantities from 375,000 sf to 387,826.05 sf. These are the final measured quantities. Additional markings were provided at the request of BCAD Operations.
Item P-620-5.4- Pavement Marking Signage (Thermoplastic)
This item decreases the contract quantities from 30,000 sf to 24,448 sf. These are the final measured quantities.
Item P-621-5.1- Grooving
This item decreases the contract quantity from 156,000 sy to 147,961 sy. These are the final measured quantities.
Item D-701-5.1- 18 Inch Reinforced Concrete Pipe (Class V)
This item increases the contract quantity from 600 linear feet to 602 linear feet (lf). These are the final measured quantities.
Item D-701-5.2- 24 Inch Reinforced Concrete Pipe (Class V)
This item decreases the contract quantity from 285 lf to 250 lf. These are the final measured quantities.
Item D-701-5.3- 30 Inch Reinforced Concrete Pipe (Class V)
This item decreases the contract quantity from 200 lf to 194 lf. These are the final measured quantities.
Item D-701-5.4- 36 Inch Reinforced Concrete Pipe (Class V)
This item decreases the contract quantity from 500 lf to 486 lf. These are the final measured quantities.

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Item D-701-5.5- Clean and Inspect Existing Pipe- 24 Inch Diameter
This item increases the contract quantity from 3,800 lf to 3,815 lf. These are the final measured quantities.
Item D-701-5.6- Clean and Inspect Existing Pipe- 30 Inch Diameter
This item decreases the contract quantity from 2,900 lf to 2,568 lf. These are the final measured quantities.
Item D-701-5.7- Clean and Inspect Existing Pipe- 36 Inch Diameter
This item increases the contract quantity from 3,100 lf to 3,817.99 lf. These are the final measured quantities.
Item D-701-5.9- Clean and Inspect Existing Pipe- 54 Inch Diameter
This item increases the contract quantity from 1,650 lf to 1,950 lf. These are the final measured quantities.
Item D-701-5.10- Clean and Inspect Existing Pipe- 48 Inch Diameter
This item increases the contract quantity from 530 lf to 810 lf. These are the final measured quantities.
Item T-905-5.1 Topsoiling
This item decreases the contract quantity from 10,500 cubic yards (cy) to 2,255.11 cy. These are the final measured quantities. It was determined that in many areas, topsoil was not required.
Item L-108-01- 1/C L-824 Type C Unshielded #8 AWG 5kv Copper Cable
This item increases the contract quantity from 144,557 linear feet (LF) to 237,466 lf. These are the final measured quantities. Cabling originally planned to remain was removed and replaced due to age.
Item No. L-108-02- 1/C #6 AWG Stranded Copper Wire with 600 Volts Green XHHW Insulation
This item increases the contract quantity from 116,509 linear feet to190,100 linear feet. These are the final measured quantities. The #6 AWG stranded copper wire provides an equipment ground within the electrical conduit in addition to the 1/C #6 solid copper counterpose. This item increase is in response to the additional quantity of Item L-108-01.

Item No. L-108-03- 1/C #6 AWG Solid Copper BSD or BHD Counterpoise
This item increases the contract quantity from 74,935 lf to 82,842 lf. These are the final measured quantities.
Item No. L-108-04- ¾ Inch 10 feet Long Copper Clad Steel Sectional Ground Rod
This item increases the contract quantity from 500 each to 910 each. These are the final measured quantities. Note that additional ground rods were used, however there were a significant reduction of sectional units used.
Item No. L-108-05- One Additional Section of ¾ Inches x 10 Feet Copper Clad Steel Sectional Ground Rod
This item decreases the contract quantity from 500 each to 141 each. These are the final measured quantities.
Item No. L-110-01- 1W2 Inches Schedule 40 PVC Concrete Encased Conduit in Earth
This item increases the contract quantity from 19,870 lf to 28,163 lf. These are the final measured quantities. The original quantity in the bid form did not account for the extensive number of new conduits being placed in grassed areas. A completely new circuit is being provided for Taxiway A, B and Runway 10L-28R.
Item No. L-110-02- 1W2 Inches Schedule 40 PVC Concrete Encased in Existing Asphalt Pavement
This item decreases the contract quantity from 14,000 lf to 10,675 lf. These are the final measured quantities. This item was increased in a previous change order. Ultimately, the total additional quantity was not needed.
Item No. L-110-03- 1W2 Inch Schedule 40 PVC Concrete Encased in New Pavement
This item decreases the contract quantity from 12,554 linear feet to 10,935 linear feet. These are the final measured quantities. This item was increased in a previous change order. Ultimately, the total additional quantity was not needed.
Item No. L-110-04- 1W2 Inch Schedule 40 PVC Concrete Encased in New PCC
This item decreases the contract quantity from 2,600 linear feet to 1,971 linear feet. These are the final measured quantities.
Item No. L-110-05-2W2 Inch Scheduled 40 PVC Concrete Encased Duct in Earth

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This item increases the contract quantity from 3,550 linear feet to 4,080 linear feet. These are the final measured quantities.
Item No. L-110-06- 3W2 Inch Schedule 40 PVC Concrete Encased Duct in Earth
This item decreases the contract quantity from 1,980 lf to 500 lf. These are the final measured quantities.
Item No. L-110-07- 4W2 Inch Schedule 40 PVC Concrete Encased Duct in Earth
This item decreases the contract quantity from 9,310 lf to 9166 lf. These are the final measured quantities.
Item No. L-110-08- 4W2 Inch Schedule 40 PVC Concrete Encased Under Existing Pavement
This item increases the contract quantity from160 lf to 407 lf. These are the final measured quantities.
Item No. L-110-09- 4W2 Inch Schedule 40 PVC Concrete Encased Under New Pavement
The item decreases the contract quantity from 1,130 lf to 785 lf. These are the final measured quantities.
Item No. L-110-10- 4W2 Inch Schedule 40 PVC Concrete Encased Under New PCC
The item decreases the contract quantity from 860 lf to 771 lf. These are the final measured quantities.
Item No. L-110-11 6W2 Inch Schedule 40 PVC Concrete Encased Duct in Earth
This item decreases the contract quantity from 850 lf to 497 lf. These are the final measured quantities.
Item No..L-110-12- 1W2 Inch Directional Bore
This item increases the contract quantity from 1,075 lf to 1,579 lf. These are the final measured quantities.
Item No. L-110-13- 2W2 Inch Directional Bore
This item increases the contract quantity from 1,600 lf to 2,675 lf. These are the final measured quantities.
Item No L-110-14- 3W2 Inch Directional Bore
This item increases the contract quantity from 325 lf to 674 lf. These are the final measured quantities.

Item No. L-110-15- 4W2 Inch Directional Bore
This item increases the contract quantity from 2,625 lf to 3,230 lf. These are the final measured quantities.
Item No. L-110- 16- 6W2 Inch Directional Bore
This item increases the contract quantity from 2,300 lf to 2,698 lf. These are the final measured quantities.
Item No. L-110-17- 1W4 Inch Schedule 40 PVC Split Duct Concrete Encased
This item decreases the contract quantity from 150 lf to 0 lf. These are the final measured quantities. This item was not needed during the execution of the project.
Item No. L-110-18- 1W2 Inch Schedule 40 PVC Direct Buried Drainpipe
This item decreases the contract quantity from 6,680 lf to 1,274 lf. These are the final measured quantities. During the course of the project, it was determined that with a high-water table, the conduits draining the junction plazas would not operate as planned in low lying areas. Therefore, it was determined to delete these drainpipes.
Item No. L-110-19- 1W2 Inch Schedule 40 PVC Direct Buried Conduit
This item increases the contract quantity from 200 lf to 486 lf. These are the final measured quantities.
Item No. L-115-1 L-867D Junction Can in Turf
This item decreases the contract quantity from 8 each to 5 each. These are the final measured quantities.
Item No. L-115-3- Junction Can Plaza-Two Cans in Turf
This item decreases the contract quantity from 24 each to 20 each. These are the final measured quantities.
Item No. L-115-5 Junction Can Plaza-Three Cans in Turf
This item decreases the contract quantity from 10 each to 9 each. These are the final measured quantities.
Item No. L-115-6- Junction Can Plaza- Four Cans in Turf
This item decreases the contract quantity from 43 each to 42 each. These are the final measured quantities.
Item No. L-115-7- Junction Can Plaza- Four Cans in Existing Pavement
This item decreases the contract quantity from 1 unit to 0 units. These are the final measured quantities. This item was not needed and was replaced with an additional L-115-8 item.
Item No. L-115-8- Junction Can Plaza-Four Cans in New PCC
This item increases the contract quantity from 1 unit to 2 units. These are the final measured quantities.
Item No. L-115-9- Junction Can Plaza Six Cans in Turf
This item decreases the contract quantity from 17 units to 16 units. These are the final measured quantities.

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Item L-115-11- Conduit Entrance into Existing Manhole
This item decreases the contract quantity from 5 units to 0 units. These are the final measured quantities. This item was not needed in the contract.
Item L-115-12- Duct Extension to Existing Duct
This item decreases the contract quantity from 24 units to 5 units. These are the final measured quantities.
Item L-115-13- Duct Extension to New Can Plaza
This item decreases the contract quantity from 6 units to 0 units. These are the final measured quantities. This item was not needed in the contract.
Item L-115-14- Duct Connection to Existing Base Can
This item increases the contract quantity from 5 units to 27 units. These are the final measured quantities.
Item L-125-02- Install New L-804(L) Elevated Runway Guard Light in New Base Can in New Pavement
This item increases the contract quantity from 4 units to 6 units. These are the final measured quantities.
Item L-125-03- Install New L-804(L) Elevated Runway Guard Light on New Base Can in PCC
This item decreases the contract quantity from 4 units to 2 units. These are the final measured quantities.

Item L-125-05- Remove Runway Elevated Fixture and Install New Fixture on New Base Can
The item decreases the contract quantity from 20 units to 12 units. These are the final measured quantities.
Item L-125-06- Remove Existing Runway Elevated Light Fixture & Install New Fixture on Existing Can
The item decreases the contract quantity from 46 units to 40 units. These are the final measured quantities.
Item L-125-07- Remove Existing Runway Elevated Light Fixture and Install New Fixture on Existing Base
This item decreases the contract quantity from 1 unit to 0 units. These are the final measured quantities. This item was not needed as part of the project.
Item L-125-10- Remove In-Pavement RGL Fixture, Safe for Reuse and Demolish Existing Base Can
This item increases the contract quantity from 84 fixtures to 108 fixtures. These are the final measured quantities.
Item L-125-12- L-858(L) Sign-Single Face- 1 Module on New Pad
This item increases the contract quantities from 1 unit to 4.2 units. These are the final measured quantities.
Item L-125-14- L-858(L)- Double Face- 1 Module on New Pad
This item increases the contract quantity from 3 signs to 4 signs. These are the final measured quantities.
Item L-125-17- L-858(L) Sign- Single Face- 2 Module in New PCC
This item increases the contract quantity from 2 units to 3 units. These are the final measured quantities.
Item L-125-18- L-858(L) Sign-Sing Face- 2 Module on Existing Pad
This item increases the contract quantity from 4 signs to 10 signs. These are the final measured quantities.
Item L-125-20- L-858(L) Sign- Double Face- 2 Module on New PCC
This item decreases the contract quantity from 2 signs to 1 sign. These are the final measured quantities.

Item L-125-21-L-858(L) Sign-Double Face- 2 Module Installed on Existing Pavement
This item decreases the contract quantity from 3 signs to 2 signs. These are the final measured quantities.
Item L-125-22- L-858 (L) Sign- Double Face, 2 Module on Existing Pad
This item increased the contract quantity from 7 signs to 8 signs. These are the final measured quantities.
Item L-125-23-L-858(L) Sign- Single Face- 3 Module Installed on New Pad
This item increased the contract quantity from 16 signs to 17 signs. These are the final measured quantities.
Item L-125-24- L-858(L) Sign-Single Face- 3 Module Installed on New PCC
This item decreased the contract quantity from 5 signs to 1 sign. These are the final measured quantities.
Item L-125-25- L-858(L) Sign-Single Face- 3 Module on Existing Concrete Pad
This item increased the contract quantity from 4 signs to 10 signs. These are the final measured quantities.
Item L-125-26- L-858(L) Sign-Single Face- 3 Module on Existing Pavement
This item increased the contract quantity from 2 signs to 3 signs. These are the final measured quantities.
Item L-125-27- L-858(L) Sign- Double Face- 2 Module Installed on an Existing Pavement

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This item decreases the contract quantity from 3 signs to 0 signs. These are the final measured quantities. This item was not needed in the execution of the contract. Other payment items were used instead.
Item L-125-28- L-858(L) Sign-Double Face- 3 Module Installed on New Pad
This item decreases the contract quantity from 8 signs to 3 signs. These are the final measured quantities.
Item L-125-29- L-858(L) Sign-Double Face- 3 Module Installed on New PCC
This item decreases the contract quantity from 1 sign to 0 signs. These are the final measured quantities. This item was not utilized.
Item L-125-30- L-858(L) Sign-Double Face, 3 Module on Existing Pad
This item increases the contract quantity from 3 signs to 4 signs. These are the final measured quantities.
Item L-125-31-L-858(L) Sign-Double Face,3 Module on Existing Pavement
This item reduces the contract quantity from 3 signs to 1 sign. These are the final measured quantities.
Item L-125-34-L-858(L) Sign-Double Face- 4 Module Installed on New Pad
This item reduces the contract quantity from 4 signs to 2 signs. These are the final measured quantities.
Item L-125-35-L-858(L) Sign-Double Face,4 Module on Existing Pad
This item reduces the contract quantity from 2 signs to 1 sign. These are the final measured quantities.
Item L-125-36- Sign Relocation
This item reduces the contract quantity from 8 units to 1.20 units. These are the final measured quantities.
Item L-125-37- Install Owner Provided Sign on Existing Pad
This item reduces the contract quantity from 1 unit to 0 units. These are the final measured quantities. This item was not needed in the execution of the project.
Item L-125-38- Sign Panel Replacement
This item reduces the contract quantity from 28 units to 8 units. These are the final measured quantities.
Item L-125-39- Remove and Store Existing Taxiway Elevated Fixture and Reinstall at Same Can
This item reduces the contract quantity from 30 units to 0 units. These are the final measured quantities. This item was not needed in the execution of the project.
Item L-125-40- Remove and Store Existing Taxiway Elevated Fixture and Reinstall in New Can
This item reduces the contract quantity from 10 units to 0 units. These are the final measured quantities. This item was not needed in the execution of the project.
Item L-125-41- L-861(L) Taxiway Edge Light on New Base Can in Pavement
This item increases the contract quantities from 353 fixtures to 373 fixtures. These are the final measured quantities.
Item L-125-42- L-861(L) Taxiway Edge Light Installed in Existing Base Can
This item decreases the contract quantity from 498 units to 460 units. These are the final measured quantities.
Item L-125-43-L-861T(L) Taxiway Edge Light on New Bas Can in New PCC
This item decreases the contract quantity from 26 fixtures to 24 fixtures. These are the final measured quantities.
Item L-125-44 -L-861T(L) In-Pavement Taxiway Edge Light Installed in Existing Asphalt Pavement
The item increases the contract quantity from 9 units to 12.2 units. These are the final measured quantities.
Item L-125-45-Conduit Entry into Existing Base Can
This item decreases the contract quantity from 37 units to 23 units. These are the final measured quantities.
Item L-125-46-Remove Existing Elevated Runway Threshold Fixture & Install New Fixtures in Existing Pavement
This item decreases the contract quantity from 16 units to 8 units. These are the final measured quantities.
Item L-125-47- Remove Existing Elevated Runway Threshold Fixture & Install New Fixture in New Can
This item increases the contract quantity from 16 units to 24 units. These are the final measured quantities.
Item S-108-1- Waterblasting Vehicle
This item decreases the contract quantity from 1 unit to 0 units. This item was deleted from the contract at the Owners request.
Item L-893-05-MG-20 LIR Tower On Existing Foundation

BOARD OF COUNTY COMMISSIONERS, BROWARD COUNTY, FLORIDA

CHANGE ORDER NO: 4

BOARD REGULAR

Project: RLI R1083508R1 - Rehabilitation of N. Airfield Pavements and EMAS Beds at FLL

Contract: PNC2117690C1 Vend: GENERAL ASPHALT CO INC

The following changes are hereby authorized upon approval of the Board and his/her signature below.
Description of Changes, Reasons Therefore, and Cost and/or Time Changes For Each:
Cost Basis: Final Quantity Adjustment, Final Quantity Adjustment, Final Quantity Adjustment

This item increases the contract quantity from 4 towers to 5 towers. This is the final measured quantity. This item was increased at the request of the FAA.

Item L-893-10- 1/C #2 AWG 600V Cable
This item reduces the contract quantity from 14,820 linear feet to 8,660 linear feet. This is the final measured quantity.
Item L-893-11-1/C #4 AWG 600V Cable
This item reduces the contract quantity from 12,940 linear feet to 750 linear feet. This is the final measured quantity. In lieu of this item an alternate cable size was used through the FAA Change Allowance Account.
Item L-893-12-1/C #6 AWG 600V Cable
This item reduces the contract quantity from 28,700 linear feet to 14,955 linear feet. This the final measured quantity. In lieu of this item an alternate cable size was used through the FAA Change Allowance Account.
Item L-893-13- 1/C #1/0 AWG Bare Guard Wire
This item increases the contract quantity from 1,730 linear feet to 1,966 linear feet. This is the final measured quantity.
Item L-893-14- Concrete Encased 2 Inch PVC Schedule 40 Conduit
This item reduces the contract quantity from 800 linear feet to 211 linear feet. This is the final measured quantity. Item L-893 was used in lieu of this item.
Item L-893-15-Reinforced Concrete Encased 2W2 Inch PVC Schedule 40 Conduit
This item increased the final contract quantity from 550 linear feet to 1,475 linear feet. This is the final measured quantity.
Item L-893-16- Reinforced Concrete Encased 2W2 Inch/1W4 Inch Ductbank
This item decreases the final contract quantity from 390 linear feet to 328 linear feet. This is the final measured quantity.
Item L-893-17- L-867 Junction Can
This item decreases the final contract quantity from 8 each to 6 each. This is the final measured quantity.

Item L-108-06- 1/C L-824 Type C Unshielded #8 AWG 5KV Copper Cable- (Red Jacket)
This item increases the contract quantity from 32,500 linear feet to 39,944 linear feet. This is the final measured quantity.
Item L-108-07- 1/C L-824 Type C Unshielded #8 AWG 5kv Copper Cable (Black Jacket)
This item decreases the contract quantity from 32,500 linear feet to 26,442 linear feet. This is the final measured quantity.
Item L-108-08- 1/C #6 AWG Solid Copper with 600 Volt Green XHHW Insulation
This item increases the contract quantity from 32,500 linear feet to 34,748 linear feet. This is the final measured quantity.
Item L-108-09- 1/C #1/0 AWG Bare Stranded Copper Guard Wire
This item increases the final contract quantity from 1,150 linear feet to 7,912 linear feet. This is the final measured quantity.
Item L-108-10- 50 Pair #19 Copper Control Cable (FAA) Installed in Conduit
This item decreases the final contract quantity from 1,500 linear feet to 0 linear feet. This item was included in the contract as a contingency item and was not needed.
Item L-108-11- 12 Pair #19 Copper Control Cable (FAA) Installed in Conduit
This item decreases the final contract quantity from 1,000 linear feet to 0 linear feet. This item was included in the contract as a contingency item and was not needed.
Item L-110-20- 2 Inch Schedule 40 PVC Concrete Encased in New Pavement for RWSL
This item decreases the contract quantity from 7,900 linear feet to 413 linear feet. This is the final measured quantity.
Item L-110-21- 2-inch Schedule 40 PVC Concrete Encased in Existing Asphalt for RWSL

BOARD OF COUNTY COMMISSIONERS, BROWARD COUNTY, FLORIDA

CHANGE ORDER NO: 4

BOARD REGULAR

Project: RLI R1083508R1 - Rehabilitation of N. Airfield Pavements and EMAS Beds at FLL

Contract: PNC2117690C1 Vend: GENERAL ASPHALT CO INC

The following changes are hereby authorized upon approval of the Board and his/her signature below.
Description of Changes, Reasons Therefore, and Cost and/or Time Changes For Each:
Cost Basis: Final Quantity Adjustment, Final Quantity Adjustment, Final Quantity Adjustment

This item increased the final quantity from 450 linear feet to 1,398 linear feet. This is the final measured quantity.
Item L-110-22- 2-inch PVC Schedule 40 Concrete Encased in New PCC for RWSL
This item increased the final quantity from 250 linear feet to 5,426 linear feet. This is the final measured quantity. This item was substantially increased due to the unavailability of existing conduit running beneath the existing runway pavement. The original intent was to use existing conduit between light fixtures. However, the existing conduit was demolished during the keel pavement removal. The depth of the existing conduit was not sufficient to salvage during the demolition process.
Item L-110-23-2-inch PVC Schedule 40 Concrete Encased in Turf for RWSL
This item decreases the contract quantity from 2,850 linear feet to 215 linear feet. This is the final measured quantity. A considerable amount of this item was utilized in item L-110-22.
Item L-110-24-2W3-inch Schedule 40 Concrete Encased Conduit for RWSL
This item reduces the contract quantity from 200 linear feet to 0 linear feet. This item was not needed during the execution of the project.
Item L-110-25-1-2-inch Schedule 80 PVC Direct Buried Conduit for RWSL
This item reduces the contract quantity from 600 linear feet to 0 linear feet. This item was not needed during the execution of the project.
Item L-110-26- 2-4-inch Schedule 80 PVC Direct Buried Conduit for RWSL
This item increases the contract quantity from 550 to 560 linear feet. This is the final measured quantity.
Item L-110-27- 2-inch Liquid Tight Flex Metallic Conduit for RWSL Can Installation
This item decreases the contract quantity from 300 linear feet to 0 linear feet. This item was not needed during the execution of the project.
Item L-125-51- Remove Catalog and Store RWSL Fixture for Reuse
This item deceases the contract quantity from 158 units to 152 units. This is the final measured quantity.
Item L-125-52-Demolish and Remove Existing in-Pavement RWSL Light Base
This item decreases the contract quantity from 147 units to 146 units. This is the final measured quantity.
Item L-125-54- Install New L-868 RSWL Light Base in New Asphalt Pavement
This item increases the contract quantity from 12 units to 18 units. This is the final measured quantity.
Item L-125-55- Install New L-868 Light Base in Existing Pavement
This item reduces the contract quantity from 52 units to 46 units. This is the final measured quantity
Item Bonus- Early Completion Bonus
This item has been developed to compensate the Contractor for 9 calendar days of unavailable construction time during Phase 3 due to weather related delays beyond the control of BCAD or the Contractor. During the execution of Phase 3, which included the reconstruction of Runway 10L-28R, Hurricane Dorian brushed the coast of South Florida. This weather event caused the closure of Fort Lauderdale-Hollywood International Airport for several days. The Contractor was directed to stop work, secure the site and leave the premises. Fortunately, the Hurricane caused minimal damage to the airport.
Upon resumption of work, Phase 3 was completed within the original scheduled time of 120 calendar days and the runway was opened for use on October 2,2019. To compensate the Contractor for the loss of available workdays along with cost associated with demobilization, remobilization and accelerated work BCAD and the Contractor have agreed to a compensation of 9 calendar days in accordance with Article 40.13.1 of the general Conditions.

$13,176.86 Regulatory Agency Allowance Accoun payment (G-1043.1)

$0.04 Clean & Inspect Exixting Pipe 36" Dia Adjustment (D701-5.7)

$618,547.90 Payment due to Contractor under Change order No.4

COPY FOR: MINUTES, CONTRACTOR, PURCHASING, CONSULTANT, SUPERVISING AGENCY, BUDGET, DEPARTMENT

BOARD OF COUNTY COMMISSIONERS, BROWARD COUNTY, FLORIDA

CHANGE ORDER NO: 4

BOARD REGULAR

Project: RLI R1083508R1 - Rehabilitation of N. Airfield Pavements and EMAS Beds at FLL

Contract: PNC2117690C1 Vend: GENERAL ASPHALT CO INC

The following changes are hereby authorized upon approval of the Board and his/her signature below.
Description of Changes, Reasons Therefore, and Cost and/or Time Changes For Each:
Cost Basis: Final Quantity Adjustment, Final Quantity Adjustment, Final Quantity Adjustment

Cause : The North runway re-opened, on time, on October 1, 2019.

Total Change Order **$618,547.90** **0**

Notes :

10/28/2020 It is expressly understood and agreed that the approval of this Change Order constitutes full compensation for the work described, including any costs which may result from protracted performance, delays or extended overhead. This change order constitutes the entire understanding and agreement between the parties regarding the change order work and supersedes any and all written or oral representations, statements, negotiation or agreements previously existing between the parties with respect to the subject matter of this change order. This change order is the final and full expression of the parties' agreement for payment hereunder. Upon execution this change order shall be in accord and satisfaction concerning all potential claims related to the Change Order work, including inefficiencies or acceleration based claims.

PURCHASING INFORMATION

PO : PO AVC1900017

Original Award :	Approved Amendments : 0	Approved COs : 3	Previous Revised :
$68,444,430.00	$0.00	$3,810,140.00	$72,254,570.00
360 Days	0 Days	11 Days	371 Days

This REGULAR Change Order:	**INCREASE**	**$618,547.90**	**NO TIME CHANGE**
New Revised Contract:		**$72,873,117.90**	**371 Days**

COPY FOR: MINUTES, CONTRACTOR, PURCHASING, CONSULTANT, SUPERVISING AGENCY, BUDGET, DEPARTMENT

2/9/2021

Percentages may not total exactly, due to rounding

Source: ContractsCentral

BOARD OF COUNTY COMMISSIONERS, BROWARD COUNTY, FLORIDA

CHANGE ORDER NO: 4

BOARD REGULAR

Project: RLI R1083508R1 - Rehabilitation of N. Airfield Pavements and EMAS Beds at FLL

Contract: PNC2117690C1 Vend: GENERAL ASPHALT CO INC

The following changes are hereby authorized upon approval of the Board and his/her signature below.
Description of Changes, Reasons Therefore, and Cost and/or Time Changes For Each:
Cost Basis: Final Quantity Adjustment, Final Quantity Adjustment, Final Quantity Adjustment

	AMOUNT	TIME
ORIGINAL CONTRACT	$68,444,430.00	360
PREV APPROVED CHANGE ORDERS	$3,810,140.00	11
THIS CHANGE ORDER NO. 4	**$618,547.90**	**0**
REVISED CONTRACT AMOUNT	$72,873,117.90	371

	Current	- Apprvd CO	- This CO	= Remaining
Admin Allowance	5.00	0.00		5.00
Board Allowance	6.47	5.57	0.90	0.00
Total Allowance	11.47	5.57	0.90	5.00

INCREASE CONTRACT AMOUNT BY $618,547.90 **NO CHANGE IN CONTRACT PERIOD**

COPY FOR: MINUTES, CONTRACTOR, PURCHASING, CONSULTANT, SUPERVISING AGENCY, BUDGET, DEPARTMENT

2/9/2021

BOARD OF COUNTY COMMISSIONERS, BROWARD COUNTY, FLORIDA

CHANGE ORDER HISTORY

Project: RLI R1083508R1 - Rehabilitation of N. Airfield Pavements and EMAS Beds at FLL

Contract: PNC2117690C1 Vend: GENERAL ASPHALT CO INC

CONTRACT SUMMARY			
	Award	Apprvd COs	Current Total
Amount	$68,444,430.00	$3,810,140.00	$72,254,570.00
Days	360	11	371

CHANGE ORDER SUMMARY BY CO REASON			
CO Reason	Approved CO - Amt,Day,%		
OTHER	**$500,000.00**	**0**	**0.73**
QUANTITY ADJUSTMENT	**$2,660,140.00**	**0**	**3.89**
TIME EXTENSION - OWNER REQUESTED CHANGES	**$0.00**	**11**	**0.00**
UNFORESEEN CONDITIONS	**$650,000.00**	**0**	**0.95**
Total	**$3,810,140.00**	**11**	**5.57**

CHANGE ORDER ALLOWANCE HISTORY					
Allowance Calculated Using Orginal Contract Award:					**$68,444,430.00**
Apprvd Dt	Apprvd By	Transaction Type	Allow Type	Pct	Amt
		Board CO Nbr: 4	Board	0.90	$615,999.87
2/26/2019	Board Item Nbr: 15	Award/Begin	Admin	5.00	$3,422,221.50
12/10/2019	Board Item Nbr: 3	Board CO Nbr: 2	Board	5.57	$3,812,354.75
			Total Change Order Allowance	11.47	$7,850,576.12
			Less Approved Change Orders	5.57	$3,810,140.00
			Equals Remaining Change Order Allowance	5.90	$4,040,436.12

CHANGE ORDER HISTORY							
CO No	CO Type	CO Date	Status	Approved Dt	Amount	Day	% Chg
1	REGULAR	8/13/2019	Approved	11/17/2019	$0.00	0	0.00
2	REGULAR	11/5/2019	Approved	12/10/2019	$3,810,140.00	0	5.57
3	REGULAR	3/18/2020	Approved	5/22/2020	$0.00	11	0.00
4	REGULAR	10/28/2020	Pending		$618,547.90	0	0.90
				Total	$4,428,687.90	11	5.57

COPY FOR: MINUTES, CONTRACTOR, PURCHASING, CONSULTANT, SUPERVISING AGENCY, BUDGET, DEPARTMENT

2/9/2021

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Source: ContractsCentral

BOARD OF COUNTY COMMISSIONERS, BROWARD COUNTY, FLORIDA

CHANGE ORDER NO: 4

BOARD REGULAR

Project: RLI R1083508R1 - Rehabilitation of N. Airfield Pavements and EMAS Beds at FLL

Contract: PNC2117690C1 Vend: GENERAL ASPHALT CO INC

The following changes are hereby authorized upon approval of the Board and his/her signature below.
Description of Changes, Reasons Therefore, and Cost and/or Time Changes For Each:
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Consultant

SHANDA SUTTON LAYNE
MY COMMISSION # GG 203858
EXPIRES: April 4, 2022
Bonded Thru Notary Public Underwriters

Signature: Lyndon Michael Carey Date: 2/12/21

Name: Lyndon Michael Carey Shanda Sutton Layne

KIMLEY-HORN AND ASSOCIATES, INC. Representative

Accepted By Contractor

DANIEL SANCHEZ
Notary Public-State of Florida
Commission # HH
My Commission Expires
July 06, 2024

Signature: Date: 2/17/2021

Name: Robert Lopez

GENERAL ASPHALT CO INC Representative

Recommended By AVIATION - CAPITAL IMPROVEMENT PROJECTS Project Manager

Signature: Gasser Douge Date: 2/22/2021

Gasser Douge

Recommended By AVIATION - CAPITAL IMPROVEMENT PROJECTS Contract Administrator

Signature: Marc Gambrill Date: 2/26/2021

Marc GambrillDivision Director

Recommended By AVIATION DEPARTMENT Department Director

Signature: Date: 3/16/21

Mark Gale, Department Director

Approved By Broward County Board Of County Comissioners

Signature: Date:

Name:

Name:

COPY FOR: MINUTES, CONTRACTOR, PURCHASING, CONSULTANT, SUPERVISING AGENCY, BUDGET, DEPARTMENT

2/9/2021

Percentages may not total exactly, due to rounding

Source: ContractsCentral - A Service Of The Purchasing Division