

CHANGE ORDER 1
LEESBURG INTERNATIONAL AIRPORT
AIRPORT SECURITY CAMERAS
City of Leesburg Bid. No. 110061

Owner: City of Leesburg, Florida

Owner's Address: 8807 Airport Road
Leesburg, Florida 34748

Name of Airport: Leesburg International Airport

Location of Airport: Leesburg, Florida

Name of Contractor: Electric Services, Inc.

Address of Contractor: 1746 US Hwy 441
Leesburg, Florida 34748

DESCRIPTION OF WORK IN CONTRACT:

Furnish & Install Security Cameras

Date Prepared: October 24, 2011

Change Order No.: 1

FDOT FM No.: 414438-1-94-01

Original Contract Time: 60 Calendar Days

Current Contract Amount: \$269,734.12

Est. Cost This Change: \$46,372.53

New Contract Time: Final Completion 45 days
after CO Approval

New Contract Amount: \$316,106.65

CHANGES ORDERED:

See Attached Exhibit "A" – Changes Ordered

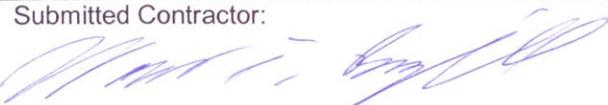
REASON FOR CHANGE ORDER:

See Attached Exhibit "B" – Reason for Change Order

Subject to the conditions set forth below, an equitable adjustment is established as follows:

| <u>Contract Price</u> (See Attached) | | <u>Contract Time</u> | |
|--------------------------------------|--|----------------------|------------------------------|
| <u> </u> | Not Changed | <u> </u> | Not Changed |
| <u>X</u> | Increased by: <u>\$46,372.53</u> Dollars | <u>X</u> | Increased by: <u>45</u> Days |
| <u> </u> | Decreased by: <u>\$</u> Dollars | <u> </u> | Decreased by: <u> </u> Days |

- The foregoing is in accordance with your contract dated April 11, 2011 and as listed below:
- A. The aforementioned change and work affected thereby are subject to all contract stipulations and covenants;
 - B. The rights of the Owner are not prejudiced; and
 - C. All claims against the Owner that are incidental to or as a consequence of the aforementioned change are satisfied.

Submitted Contractor:  Title: Vice-President Date: 10/25/11

Accepted Airport Manager:  Title: airport Manager Date: 10/26/11

Approved City of Leesburg: _____ Title: _____ Date: _____

**EXHIBIT "A" - CHANGES ORDERED
LEESBURG INTERNATIONAL AIRPORT
AIRPORT SECURITY CAMERAS
CITY OF LEESBURG BID No. 110061**

| Item No. | Estimated Quantity | Unit | Description | Unit Price | Extended Total |
|--|--------------------|------|---|------------|----------------|
| CONDUITS, WIRES, AND CABLES | | | | | |
| 1 L-110-5.1 | 591 | LF | 3/4 INCH RIGID CONDUIT | \$5.62 | \$3,321.42 |
| 2 L-110-5.2 | 3,576 | LF | 3/4 INCH SCH 40 PVC CONDUIT | \$4.89 | \$17,486.64 |
| 3 L-110-5.3 | 1,424 | LF | 1 INCH RIGID CONDUIT | \$7.18 | \$10,224.32 |
| 4 L-110-5.4 | 705 | LF | 1 INCH SCH 40 PVC CONDUIT | \$4.62 | \$3,257.10 |
| 5 L-110-5.5 | 150 | LF | 1.5 INCH SCH 40 PVC CONDUIT | \$5.92 | \$888.00 |
| 6 L-110-5.6 | 195 | LF | DIRECTIONAL BORE AND INSTALL 4 INCH SCH 40 PVC CONDUIT | \$26.93 | \$5,251.35 |
| 7 L-108-5.1 | 2,347 | LF | CAC6 CABLE WITH POWER LEADS | \$2.21 | \$5,186.87 |
| 8 L-108-5.21 | 527 | LF | 2 SETS 18-GA 2-PR CABLE | \$4.23 | \$2,229.21 |
| 9 L-108-5.22 | 710 | LF | 1 SET 18-GA 2-PR CABLE | \$2.12 | \$1,505.20 |
| 10 L-108-5.23 | 125 | LF | 4 SETS 18-GA 2-PR CABLE | \$17.46 | \$2,182.50 |
| 11 L-108-5.24 | 150 | LF | 10 SETS 18-GA 2-PR CABLE | \$21.15 | \$3,172.50 |
| 12 L-108-5.25 | 65 | LF | 1 SET 18-GA 1-PR CABLE | \$8.34 | \$542.10 |
| 13 L-108-5.5 | 1,986 | LF | 3 - 10-GA THHN CABLE | \$1.41 | \$2,800.26 |
| 14 L-108-5.6 | 2,344 | LF | CAT5E CABLE | \$2.70 | \$6,328.80 |
| 15 A-101-4.1 | 6,290 | LF | FIBER OPTIC DISTRIBUTION CABLE (24 FIBERS, 62.5/125 MICRON) | \$2.82 | \$17,737.80 |
| CAMERAS | | | | | |
| A-106-4.1 | 4 | EA | HIGH RESOLUTION VARIFOCAL BULLET CAMERA WITH POWER SUPPLY (24VAC) | \$810.34 | \$3,241.36 |
| 16 | | | | | |
| 17 A-105-4.1 | 1 | EA | DOME IP CAMERA | \$1,202.07 | \$1,202.07 |
| 18 A-109-4.1 | 1 | EA | VS512 VF VANDAL DOME CAMERA | \$886.24 | \$886.24 |
| 19 A-120-4.1 | 5 | EA | PTZ CAMERA | \$3,932.24 | \$19,661.20 |
| 20 A-103-4.1 | 13 | EA | FIBER OPTIC VIDEO TRANSCEIVER | \$691.16 | \$8,985.08 |
| 21 A-111-4.1 | 7 | EA | 25-FOOT TAPERED CONCRETE POLE | \$976.70 | \$6,836.90 |
| 22 A-110-4.1 | 1 | EA | 35-FOOT TAPERED CONCRETE POLE | \$1,688.33 | \$1,688.33 |
| 23 A-112-4.1 | 1 | EA | MONITOR AT ATCT | \$366.41 | \$366.41 |
| PEDESTRIAN GATES | | | | | |
| 24 A-104-4.1 | 4 | EA | MAGNETIC LOCK FOR PEDESTRIAN GATE | \$1,290.65 | \$5,162.60 |
| 25 A-121-4.1 | 10 | EA | PROXPRO READER | \$599.11 | \$5,991.10 |
| 26 A-121-4.2 | 2 | EA | MAXIPROX READER | \$1,457.05 | \$2,914.10 |
| A-102-4.1 | 12 | EA | SPX-7400 SERIES CYPRESS SUPREX READER EXTENDER WITH FIBER OPTIC INTERFACE | \$3,074.12 | \$36,889.44 |
| 27 | | | | | |
| 28 A-122-4.1 | 5 | EA | CYPRESS EXP-1000C EXPANSION MODULE | \$663.32 | \$3,316.60 |
| 29 A-122-4.2 | 5 | EA | CYPRESS EXP-1000R EXPANSION MODULE | \$663.32 | \$3,316.60 |
| A-123.41 | 2 | EA | CYPRESS SPX-5600 SUPREX READER EXTENDER WITH RF WIRELESS INTERFACE | \$3,122.72 | \$6,245.44 |
| 30 | | | | | |
| A-113-4.1 | 3 | EA | SUB PANEL WITH NEMA ENCLOSURE WITH GROUNDING STUDS AND VENTILATION TYPE 3R 32"x24"x12" (INCLUDES 4"x4"x7' CONCRETE POST) | \$1,109.74 | \$3,329.22 |
| 31 | | | | | |
| A-113-4.2 | 1 | EA | SUB PANEL WITH NEMA ENCLOSURE 24"x20"x11" (INCLUDES 4"x4"x7' CONCRETE) | \$1,583.35 | \$1,583.35 |
| 32 | | | | | |
| INSIDE SUB PANEL | | | | | |
| 33 A-124-4.1 | 3 | EA | STANDARD DUPLEX OUTLETS IN 4"x4" BOX | \$93.90 | \$281.70 |
| 34 A-125-4.1 | 4 | EA | AC POWER SUPPLY 24VACX8 | \$285.01 | \$1,140.04 |
| 35 A-114-4.1 | 4 | EA | UPS BACKUP 500 | \$161.07 | \$644.28 |
| AT FBO AND FIRE DEPT | | | | | |
| 36 A-115-4.1 | 2 | PAIR | INTERCOM | \$1,610.22 | \$3,220.44 |
| 37 A-126-4.1 | 2 | EA | PUSH BUTTON FOR GATE OPERATION | \$484.78 | \$969.56 |
| ELECTRICAL VAULT | | | | | |
| 38 A-107-4.1 | 2 | EA | 4 READER PANEL SERIES 9000 | \$4,582.96 | \$9,165.92 |
| 39 A-108-4.1 | 2 | EA | EXPANSION CARD | \$1,040.69 | \$2,081.38 |
| DRIVEWAY CONSTRUCTION AT ELECTRICAL VAULT | | | | | |
| 40 F-162-5.1 | 1 | EA | 20-FOOT WIDE CANTILEVER GATE, Installed Complete in Place | \$6,990.38 | \$6,990.38 |
| 41 F-162-5.2 | 1 | LS | 6-FOOT TALL CHAIN-LINK FENCE w/3-STRAND BARBED WIRE | \$2,587.38 | \$2,587.38 |
| 42 A-116-5.01 | 1 | EA | OSCO SLG/SLG-D GATE OPERATOR | \$4,488.69 | \$4,488.69 |
| 43 A-117-4.1 | 2 | EA | PHOTO SAFETY EYES | \$1,286.56 | \$2,573.12 |
| 44 D-751-5.1 | 1 | EA | JUNCTION BOX (FDOT TYPE P ALT B; TYPE 7 TOP) | \$2,203.53 | \$2,203.53 |
| 45 D-751-5.2 | 1 | EA | TRAFFIC BEARING TOP (H-20 LOAD RATING) | \$975.85 | \$975.85 |
| 46 D-752-5.1 | 2 | EA | 12"x18" MES | \$566.62 | \$1,133.24 |
| 47 D-701-5.1 | 46 | LF | 12"x18" ERCP | \$109.49 | \$5,036.54 |

**EXHIBIT "A" - CHANGES ORDERED
LEESBURG INTERNATIONAL AIRPORT
AIRPORT SECURITY CAMERAS
CITY OF LEESBURG BID No. 110061**

| Item No. | Estimated Quantity | Unit | Description | Unit Price | Extended Total | |
|---|--------------------|--------|--|--|---------------------|-------------|
| SUNAIR FBO DOOR MODIFICATIONS | | | | | | |
| FBO 48 | 1 | LS | THIS ITEM INCLUDES ALL WORK (LABOR, EQUIPMENT, MATERIALS) AS SHOWN ON SHEETS A1.1-A1.3 | \$16,366.73 | \$16,366.73 | |
| MISC ITEMS | | | | | | |
| 49 334-1 | 1 | LS | SUPERPAVE ASPHALTIC CONCRETE | \$3,620.09 | \$3,620.09 | |
| 50 A-127-4.1 | 1 | EA | VEHICLE DETECTION SAFETY LOOP | \$825.52 | \$825.52 | |
| 51 A-128-4.1 | 1 | EA | VEHICLE DETECTION PAVE OVER STYLE LOOP | \$629.58 | \$629.58 | |
| 52 A-129-4.1 | 12 | EA | FLOOD LIGHTS | \$565.09 | \$6,781.08 | |
| 53 A-130-4.2 | 6 | EA | 20 AMP QUADRUPEX OUTLETS | \$156.45 | \$938.70 | |
| 54 A-131-4.2 | 3 | EA | TVSS PROTECTION | \$578.57 | \$1,735.71 | |
| 55 A-132-4.3 | 1 | EA | LIGHTNING ARRESTER | \$91.07 | \$91.07 | |
| 56 A-133-4.1 | 1 | EA | SQ D 10 KAIC | \$428.48 | \$428.48 | |
| 57 A-134-4.1 | 1 | EA | 100 AMP BREAKER PANEL | \$856.96 | \$856.96 | |
| 58 A-135-4.1 | 11 | EA | 20 AMP BREAKERS (1 POLE) | \$21.64 | \$238.04 | |
| TOTAL BID | | | | | \$269,734.12 | |
| Change Order No. 1 | | | | | | |
| Part 1 - Quantity Overruns and Underruns | | | | | | |
| CONDUITS, WIRES, AND CABLES | | | | | | |
| 1 | L-110-5.1 | 107 | LF | 3/4 INCH RIGID CONDUIT | \$5.62 | \$601.34 |
| 2 | L-110-5.2 | 122 | LF | 3/4 INCH SCH 40 PVC CONDUIT | \$4.89 | \$596.58 |
| 3 | L-110-5.3 | 120 | LF | 1 INCH RIGID CONDUIT | \$7.18 | \$861.60 |
| 4 | L-110-5.4 | 30 | LF | 1 INCH SCH 40 PVC CONDUIT | \$4.62 | \$138.60 |
| 5 | L-110-5.5 | 12 | LF | 1.5 INCH SCH 40 PVC CONDUIT | \$5.92 | \$71.04 |
| 6 | L-110-5.6 | 30 | LF | DIRECTIONAL BORE AND INSTALL 4 INCH SCH 40 PVC CONDUIT | \$26.93 | \$807.90 |
| 7 | L-108-5.1 | 378 | LF | CAC6 CABLE WITH POWER LEADS | \$2.21 | \$835.38 |
| 8 | L-108-5.21 | -18 | LF | 2 SETS 18-GA 2-PR CABLE | \$4.23 | -\$76.14 |
| 9 | L-108-5.22 | 28 | LF | 1 SET 18-GA 2-PR CABLE | \$2.12 | \$59.36 |
| 10 | L-108-5.23 | 36 | LF | 4 SETS 18-GA 2-PR CABLE | \$17.46 | \$628.56 |
| 11 | L-108-5.24 | 22 | LF | 10 SETS 18-GA 2-PR CABLE | \$21.15 | \$465.30 |
| 12 | L-108-5.25 | 35 | LF | 1 SET 18-GA 1-PR CABLE | \$8.34 | \$291.90 |
| 13 | L-108-5.5 | -43 | LF | 3 - 10-GA THHN CABLE | \$1.41 | -\$60.63 |
| 14 | L-108-5.6 | 164 | LF | CAT5E CABLE | \$2.70 | \$442.80 |
| 15 | A-101-4.1 | -1,862 | LF | FIBER OPTIC DISTRIBUTION CABLE (24 FIBERS, 62.5/125 MICRON) | \$2.82 | -\$5,250.84 |
| CAMERAS | | | | | | |
| 19 | A-120.41.1 | 1 | EA | PTZ CAMERA | \$3,932.24 | \$3,932.24 |
| 20 | A-103-4.1 | -7 | EA | FIBER OPTIC VIDEO TRANSCEIVER | \$691.16 | -\$4,838.12 |
| AT FBO AND FIRE DEPT | | | | | | |
| 37 | A-126-4.1 | -1 | EA | PUSH BUTTON FOR GATE OPERATION | \$484.78 | -\$484.78 |
| MISC ITEMS | | | | | | |
| 50 | A-127-4.1 | -1 | EA | VEHICLE DETECTION SAFETY LOOP | \$825.52 | -\$825.52 |
| 58 | A-135-4.1 | -2 | EA | 20 AMP BREAKERS (1 POLE) | \$21.64 | -\$43.28 |
| SUB TOTAL CHANGE ORDER NO. 1 - PART 1 | | | | | -\$1,846.71 | |
| Change Order No. 1 | | | | | | |
| Part 2 - New Pay Items | | | | | | |
| CO1 - 1 | | 1 | LS | RELOCATE EXISTING CARD READER AT GATE 2 | \$1,521.00 | \$1,521.00 |
| CO1 - 2 | | 1 | LS | RELOCATE GATE OPERATOR AT ELECTRICAL VAULT | \$673.00 | \$673.00 |
| CO1 - 3 | | 1,862 | LF | SPARE FIBER OPTIC DISTRIBUTION CABLE | \$2.15 | \$4,003.30 |
| CO1 - 4 | | 1 | LS | RELOCATE DATA TRANSCEIVER AT ELECTRICAL VAULT | \$5,760.00 | \$5,760.00 |
| | | 1,000 | LF | 1 SET 18-GA 2-PR CABLE | \$2.12 | \$2,120.00 |
| CO1 - 5 | | 1 | LS | ADD OBSTRUCTION LIGHT (WITH BATTERY BACKUP) TO CAMERA | \$1,590.00 | \$1,590.00 |
| | | 700 | LF | 1 SET 18-GA 2-PR CABLE | \$2.12 | \$1,484.00 |
| CO1 - 6 | | 1 | LS | CABINET AT GATE 6 (NEMA 3R) | \$2,196.00 | \$2,196.00 |
| CO1 - 7 | | 1 | LS | READER WITH KEY PAD (PED GATE WEST SIDE OF FBO BLD) | \$314.00 | \$314.00 |
| CO1 - 8 | | 6 | EA | BOLLARDS (2 AT GATE 2 AND 4 AT VAULT) | \$273.83 | \$1,642.98 |
| CO1 - 9 | | 6 | EA | VIDEO AND DATA FIBER MODULES (6 PR) | \$1,737.16 | \$10,422.96 |
| CO1-10 | | 1 | LS | REVISE FBO DOOR FROM SWING TO BI-PARTING | \$16,492.00 | \$16,492.00 |
| SUB TOTAL CHANGE ORDER NO. 1 - PART 2 | | | | | \$48,219.24 | |
| CHANGE ORDER 1 TOTAL | | | | | \$46,372.53 | |
| TOTAL CONTRACT AMOUNT | | | | | \$316,106.65 | |

**Exhibit "B" – REASON for CHANGE ORDER
LEESBURG INTERNATIONAL AIRPORT
AIRPORT SECURITY CAMERAS
City of Leesburg Bid. No. 110061**

Part 1 – Quantity Overruns and Underruns

This project was designed without the added expense to conduct detailed specific design surveys. As a result, the estimate quantities were based and generated from aerial photos and traditional non-surveyed field measurements. During construction, the as installed quantities were determined from actual field measurements. Change Order 1 reflects the actual field measured quantities.

Part 2 – New Pay Items

Item CO1 -1 Relocate Existing Card Reader at Gate 2

During the construction of this security upgrades project, it was frequently observed that users of Gate 2 needed to get out of their vehicle to activate the gate opening. By relocating the card reader further back, users will be able to activate the gate without the need to leave their vehicle. This is a security enhancement for authorized airport users and gate utility.

Item CO1 - 2 Relocate Gate Operator at Electrical Vault

The gate operator location must be revised for the installation on the airside of the fence.

Item CO1 - 3 Spare Fiber Optic Distribution Cable

The bid quantity (6,290 LF) of fiber optic cable included running a specific spare fiber cable from the sub-panel at Gate 2 to the electrical vault. As a cost savings to the project, this spare fiber cable run is deleted. It is desired to preserve the remaining quantity of fiber cable for future use in multiple locations as necessary for repairs.

Item CO1 - 4 Relocate Data Transceiver at Electrical Vault

The construction plans specified the data transceiver at the electrical vault be installed on an existing light pole. This data transceiver serves as a wireless link to operate the Gate 8 at the fire station. This wireless design was used because the cost to design and install a hard wire from the fire station to the electrical vault would be costly as it involves crossing Runway 3-21 and associated Taxiways and tenant hangers.

During construction, the testing of the wireless communications between the electrical vault and the fire station was conducted. The signal between the two is not communicating. The solution is to install a wireless data repeater on an existing line of site pole and relocate transceivers to communicate with the repeater.

Item CO1 – 5 Obstruction Light at Sherriff Hangar

After installing the camera and pole at the Sherriff's Hangar, it was observed that to enhance safety to add a strobe light to the pole.

Item CO1 – 6 Cabinet at Gate 6

The existing cabinet at Gate 6 will not accommodate all of the components for the operation of the camera. Therefore a new, larger cabinet must be installed.

Item CO1 – 7 Reader with Key Pad (Pedestrian Gate on the West Side of FBO Building)

It is desired to add a key pad operator at the pedestrian gate on the west side of the FBO Building. This will allow pilots access to and from the airfield without the need to issue cards that can be lost or stolen, and will enhance the security at the airport.

**Exhibit "B" – REASON for CHANGE ORDER
LEESBURG INTERNATIONAL AIRPORT
AIRPORT SECURITY CAMERAS
City of Leesburg Bid. No. 110061**

Item CO1 – 8 Bollards at Gate 2 and the Electrical Vault

It is desired to add 6 bollards to the project where two are to be located at Gate 2, and four are to be located at the electric vault.

Item CO1 – 9 5-Pair of Video and 2-Way Data Modules

Swap the 6-pairs of video only fiber modules with 6-pairs video and data fiber modules for function of the PTZ Cameras.

Item CO1 – 10 Revise FBO Door from Swing to Bi-Parting

During construction of the controlled access swing door at the FBO it was observed that users were having difficulties with instructions to request a control access card and/or request permission from the FBO receptionist to exist the FBO. In most cases the users would press the fire alarm panic bar to exit and thus setting off the fire alarm. It is desired to upgrade the exit from a swing door to a bi-parting door.