



CITY OF ATLANTA

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DEPARTMENT OF PROCUREMENT
Adam L. Smith, Esq., CPPO, CPPB, CPPM, CPP
CIPC, CISCC, CIGPM, CPPC
Chief Procurement Officer
asmith@atlantaga.gov

July 13, 2016

INTERESTED BIDDERS:

**Re: FC-9001, Fire Station 40 at Hartsfield-Jackson Atlanta
International Airport**

Attached is one (1) copy of **Addendum No. 1**, which is hereby made a part of the above-referenced project.

For additional information, please contact the following personnel for the respective solicitation: for FC-9001, Jessica A. Boston, Contracting Officer, via email at jaboston@atlantaga.gov.

Sincerely,

A handwritten signature in blue ink that reads "Adam L. Smith".

Adam L. Smith

ALS:jab

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Addendum No: 1

**Re: FC-9001, Fire Station 40 at Hartsfield-Jackson Atlanta International
Airport**

July 13, 2016

Page 2

This Addendum forms a part of the Invitation to Bid and modifies the original solicitation package as noted below:

- Revisions to technical specification and drawings.

.....
Bids are due **Wednesday, August 10, 2016**, and should be time stamped no later than 2:00 p.m. EST on this day, and delivered to the address below:

Adam L. Smith, Esq., CPPO, CPPB, CPPM, CPP,
CIPC, CISCC, CIGPM, CPPC
Chief Procurement Officer
Department of Procurement
55 Trinity Avenue, S.W.
City Hall South, Suite 1900
Atlanta, Georgia 30303

.....
*****All other information remains unchanged*****

Addendum No: 1

**Re: FC-9001, Fire Station 40 at Hartsfield-Jackson Atlanta International
Airport**

July 13, 2016

Page 3

Acknowledgement of Addendum No. 1

Bidders must sign below and return this form with its proposal to the Department of Procurement, 55 Trinity Avenue, City Hall South, Suite 1900, Atlanta, Georgia 30303 as acknowledgement of receipt of this addendum on this ____ day of _____, 2016.

Legal Company Name of Respondent

Signature of Authorized Representative

Title

Date

SECTION 08 35 00 – FOLDING APPARATUS BAY DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes Four-Fold metal doors with surface mounted tube frames.
- B. Operation of Four-Fold metal doors includes overhead mounted electro-mechanical operators.

1.3 SUBMITTALS

- A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product Data for each type of product specified consisting of manufacturer's technical Product Data and installation instructions for each type of door required, including data substantiating that products comply with requirements.
- C. Submittal Drawings showing fabrication and installation of Four-Fold metal doors including plans, elevations, sections, details of components, hardware, operating mechanism, and attachments to the other units of Work. Include wiring diagrams for coordination with electrical trade.
- D. Reference list including (5) successful installations of this type of door within the past two (2) years.
- E. LEED Submittals:
 - 1. Recycled Content – MR Credit 4: Submit documentation indicating percentages of post-consumer and pre-consumer recycled content by weight per unit of product or assembly containing the product. Indicate the percentage of the dollar value of the recycled content compared to the total dollar value of the product or assembly containing the product.
 - 2. Regional Materials – MR Credit 5: Submit documentation indicating location and distance to project site of extraction, harvesting, recovery, and manufacturing of all materials. Indicate the dollar value of the material cost of the product containing local/regional materials. Where product components are sourced or manufactured in separate locations, provide location and percentage by weight of each component per unit of product. This documentation is only required when the distance to the project site is 500 miles or less.

SECTION 08 35 00 – FOLDING APPARATUS BAY DOORS

1.4 QUALITY ASSURANCE

- A. Doors shall be designed to withstand external or internal horizontal wind loads of 20 pounds minimum per square foot. The maximum allowable deflection shall not exceed 1/120 of the span. Fiber stresses in main members shall be limited to 27,000 pounds per square inch. Steel frames shall be designed in accordance with the AISC "Steel Construction Manual".
- B. Door manufacturer shall have at least 10 years experience in manufacturing door type specified for emergency vehicle applications.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Store delivered materials and equipment in dry locations with adequate ventilation, free from dust and water, and so as to permit access for inspection and handling.
- B. Handle materials carefully to prevent damage.

1.6 WARRANTY

- A. The door manufacturer shall provide a written standard limited warranty for material and workmanship.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Four-Fold industrial metal doors manufactured by Door Engineering and Manufacturing, 400 Cherry Street, Kasota, MN 56050, (800)-959-1352 or equal products by other manufacturers approved in advance.

Series:

FF300 Series: Glazed

2.2 MATERIALS

- A. Steel Tube: ASTM A513 and ASTM A500/A500M
- B. Steel Sheets: Steel sheets of commercial quality, complying with ASTM A1011/A1011M hot-rolled steel sheet.
- C. Hardware: Manufacturer's standard components.
- D. Fasteners: Zinc-coated steel.

2.3 FOUR-FOLD DOORS

- A. Construction: Door framing shall be minimum 14-gauge structural steel tube with 14-gauge steel sheet on the exterior and interior faces. Sheetting shall be formed on the vertical edges with no visible welds on the interior or exterior panel faces. All frames and framing members

SECTION 08 35 00 – FOLDING APPARATUS BAY DOORS

shall be true to dimension and square in all directions, and no door shall be bowed, warped, or out of line, in the vertical or horizontal plane of the door opening by more than 1/8 inch in 20 feet. Exposed welds and welds which interfere with the installation of various parts shall be ground smooth and flush.

- B. Surface Mounted Tube Frame: Supply pre-hung tube frame system constructed of minimum TS6x4x0.25, designed to anchor to masonry wall construction or weld to steel structure. All hinges, track supports and operator supports shall be factory attached.
- C. Factory finish: Door Panels and Tube Frames shall be finished with manufacturer's standard PPG Spectracron epoxy primer and polyurethane top coat. Customer to select from Manufacturer's standard color chart or furnish sample to match.
 - a. Operator and operating hardware shall be powder-coated manufacturer's standard gray.
- D. Hardware: Hardware shall include guide tracks and brackets, trolleys, center guides, not less than three pairs of jamb and fold hinges per opening, and all bolts, nuts, fasteners, etc. necessary for complete installation and operation.
- E. Hinges: Jamb hinges shall be dual shear and have two thrust bearings and two needle bearings. Fold hinges shall be stainless steel and be dual shear with two thrust bearings. All bearings shall be completely concealed within the hinge barrel and include grease zerks. All hinge pins shall be minimum 3/4" diameter hardened steel.
- F. Weatherstripping: Material shall be adjustable and readily replaceable and provide a substantially weather-tight installation. Weatherstripping at center shall be 1/16" cloth inserted neoprene and include no exposed fasteners on the exterior face of the panel. Weatherstripping at sill shall include two 1/16" cloth inserted neoprene sweeps with an aluminum retainer. The retainer shall be attached to the door with adhesive.
- G. Perimeter Weatherstripping: Provide jamb and head weatherstripping of 1/16" cloth-inserted neoprene bulb (or closed cell neoprene).
- H. Vision Panels: Provide 1" insulated vision panels of the size, shape and location as noted on the drawings.

2.4 OPERATOR

- A. Each Four-Fold door shall be operated by an overhead mounted electro-mechanical drive unit designed for high cycle operation. Operator consists of an electric motor, gear reducer, and rotating drive arm. The door shall be operated with connecting rods attached to the rotating drive arm on the operator and to control arms attached to the jamb door section and to the door lintel. The connecting rods shall be positive drive, keeping the door under firm control at all times. The connecting rods shall be fitted with spherical bearings and control arms shall be equipped with oil impregnated bronze bearings on polished shafts.
- B. Operator shall be instantly reversible, open and close rapidly and start and stop gradually. Operator shall be adjustable to allow door to fully clear the opening. Operator shall automatically lock the door in the closed position. Operator shall be equipped with disengaging mechanism to convert to free wheeling mode for manual operation.

HJAIA FIRE STATION 40 ARFF SERVICES
WBS NO. F.30.20.001 TASK ORDER NO. 003
HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT

SECTION 08 35 00 – FOLDING APPARATUS BAY DOORS

- C. Electric motor shall be of sufficient size to operate doors under normal operating conditions at no more than 75 percent of rated capacity. The motor shall be wound for three phase 208/230/480 VAC, 60 Hertz operation.
- D. Electric Controls: Controls shall be furnished by the door manufacturer and shall be complete for each door, and built in accordance with the latest NEMA standards. Incoming electrical shall be: 208/230VAC 3-phase.
1. Controls shall include a programmable logic controller with digital message display or LED indicators. Controller shall include programmable close timers and programmable inputs/outputs.
 2. Motor starters shall be magnetic reversing, factory wired with overload and under voltage protection, and equipped with mechanical interlocks. All control components shall be enclosed in one enclosure with a wiring diagram placed on the inside of the cover.
 3. If incoming voltage is single phase, control panel shall include a variable frequency drive to convert voltage to 3-phase for the motor
 4. Enclosures shall be NEMA 4 with disconnect switch.
 5. Pushbuttons (interior) for each door shall have one (1) momentary pressure three-button push-button station marked "OPEN", "CLOSE" and "STOP". Push button enclosure shall be NEMA 4.
 6. Limit switches shall be provided to stop the travel of the door in its fully open or fully closed position.
 7. Safety edges: Provide electric safety edges on leading edge of all doors to reverse door upon contact with obstruction.
 8. Photo eyes: Provide (1) exterior, jamb mounted, thru-beam type photo eyes, NEMA 4 rated.
 9. Presence Sensor: Provide (1) interior, overhead mounted, presence sensor.
 10. Radio controls: Provide one (1) radio receiver and (1) single button remotes per door. Remotes to open and close doors with single button.
 11. Safety Loop Detectors: Provide "safety" loop detector to reverse or hold the door open when activated. G.C. to coordinate installation of preformed loop with installer prior concrete being poured.
 12. Timer Activation Loop Detectors (fire station applications): Provide "pulse on exit type" loop detector to activate auto close timer once loop has been activated and cleared, include hand/auto switch to deactivate timer. G.C. to coordinate installation of preformed loop with installer prior to exterior apron being poured.
 13. Wiring: Door manufacturer shall supply controls and components only. Electrical contractor shall install controls and furnish and install conduits and wiring for jobsite power and control wiring.

SECTION 08 35 00 – FOLDING APPARATUS BAY DOORS

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install Four-Fold metal doors in strict accordance with the approved drawings by qualified door erection crews. All door openings shall be completely prepared by the general contractor prior to the installation of the doors. Permanent or temporary electric wiring shall be brought to the door opening before installation is started and shall be completed so as not to delay the inspection test.
- B. Doors shall be set plumb, level, and square, and with all parts properly fastened and mounted. All moving parts shall be tested and adjusted and left in good operating condition.

3.2 ADJUSTING AND CLEANING

- A. Inspection of the doors and a complete operating test will be made by the installer in the presence of the general contractor or architect as soon as the erection is complete. Any defects noted shall be corrected. After door approval in the above test, the general contractor must assume the responsibility for any damage or rough handling of the doors during construction until the building is turned over to the owner and final inspection is made.
- B. Clean surfaces and repaint abraded or damaged finished surfaces to match factory-applied finish.

END OF SECTION 08 35 00

Addendum No. 1

Date: June 30, 2016
Project: Fire Station 40 ARFF Services
Hartsfield Jackson International Airport
Contract No. F-5801-B
WBS No. F.30.20.001
Task Order No. 003

Notice is hereby given to all prospective bidders that plans and specifications on the subject project are modified as hereinafter set forth. This Addendum shall be attached to and form a part of the plans and specifications. All bidders must acknowledge receipt of this addendum on the Bid Form. In case of difference with previous addenda or communications, this addendum takes precedence.

It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

This document consists of the following:

Addendum: SEVEN (7) Pages.
Attachments: ONE (1) Specification Section as stated.
FORTY-SIX (46) Drawings as stated.

TECHNICAL SPECIFICATIONS

Make the following changes, deletions, and/or revisions to sections, as follows to the Project Manual:

Item No. 01. Specification Section – 08 35 00 FOLDING APPARATUS BAY DOORS

INSERT: Complete Specification within 'DIVISION 08 OPENINGS' in numerical order prior to specification '08 36 00 SECTIONAL OVERHEAD DOORS.'

DRAWINGS

Make the following changes, deletions, and/or revisions as follows to the Construction Documents:

Civil Drawings

Item No. 02.

REPLACE : Sheet C2.2.1, Civil Site Plan: Revised building plan to reflect change to four fold parking bay doors.

June 30, 2016

Addendum No. 1
Fire Station 40 ARFF Services
Hartsfield Jackson International Airport

Item No. 03.

REPLACE : C2.3.1, Geometry and Paving Plan: Revised building plan to reflect change to four fold parking bay doors.

Item No. 04.

REPLACE : Sheet C3.3.1, Civil Site phasing Phase III and IV: Revised building plan to reflect change to four fold parking bay doors.

Item No. 05.

REPLACE : Sheet C3.4.1, Civil Site Phasing Phase V and VI: Revised building plan to reflect change to four fold parking bay doors.

Item No. 06.

REPLACE : Sheet C5.1.1, Civil Site Joint Plan: Revised building plan to reflect change to four fold parking bay doors.

Item No. 07.

REPLACE : Sheet C7.1.1, Civil Grading and Drainage Plan: Revised building plan to reflect change to four fold parking bay doors.

Item No. 08.

REPLACE : Sheet C9.1.1, Utility Plan: Revised building plan to reflect change to four fold parking bay doors.

Item No. 09.

REPLACE : Sheet C12.1.1, Pavement Markings and Signage Plan: Revised building plan to reflect change to four fold parking bay doors.

Item No. 10.

REPLACE : Sheet C13.2.1, Erosion, Sediment and Pollution Control Plan – Phase 2 Intermediate Controls: Revised building plan to reflect change to four fold parking bay doors.

Item No. 11.

REPLACE : Sheet C13.3.1, Erosion, Sediment and Pollution Control Plan – Phase 3 Final Controls: Revised building plan to reflect change to four fold parking bay doors.

June 30, 2016

Addendum No. 1
Fire Station 40 ARFF Services
Hartsfield Jackson International Airport

Item No. 12.

REPLACE : Sheet C14.1.1, Fencing Plan: Revised building plan to reflect change to four fold parking bay doors.

Item No. 13.

REPLACE : Sheet C16.1.1, Civil Site Grassing Plan: Revised building plan to reflect change to four fold parking bay doors.

Architectural Drawings

Item No. 14.

REPLACE : Sheet A0.1.3, Life Safety Plan: Revised floor plan as noted below and updated path of travel exit distances.

Item No. 15.

REPLACE : Sheet A2.1.1, Overall Floor Plans: Revised floor plan as noted below.

Item No. 16.

REPLACE : Sheet A2.1.2, Enlarged Floor Plan - North: Changed doors 138 thru 142 from sectional lift to four fold type (see door schedule). To accommodate door change; changed wind column configuration along 3 line, moved south wall of corridor 110, and door openings 110 and 150, to the south by 1'-4", changed configuration of doors 110 and 150, changed geometry of the intersection of Hall 137 and Gear / Turn-out 139, and moved line of interior bollards to the south.

Item No. 17.

REPLACE : Sheet A2.1.3, Enlarged Floor Plan – South: To accommodate future potential change of door types along line 9; changed wind column configuration along line 9, moved doors 132 and 160 to the north, moved door 161 to the west and reversed its swing. Extended sidewalk to door 132 and shifted Decon Storage tank to the east.

Item No. 18.

REPLACE : Sheet A2.2.1, Enlarged Floor Plans – ¼" scale: Revised floor plan 03 as noted above.

Item No. 19.

REPLACE : Sheet A2.2.2, Enlarged Floor Plans – ¼" scale: Revised floor plan as noted above. Extended counter in Alarm Room.

June 30, 2016

Addendum No. 1
Fire Station 40 ARFF Services
Hartsfield Jackson International Airport

Item No. 20.

REPLACE : Sheet A2.2.3, Enlarged Floor Plans – ¼" scale: Revised floor plan 02 as noted above.

Item No. 21.

REPLACE : Sheet A3.1.1, Building Elevations: Moved door 132 to the north, revised keynote 22, added keynote 25.

Item No. 22.

REPLACE : Sheet A3.1.2, Building Elevations: Changed doors 138 thru 142 from sectional lift to four fold type (see door schedule), revised keynote 22, added keynote 25.

Item No. 23.

REPLACE : Sheet A4.1.1, Building Sections: Changed doors 138 thru 142 from sectional lift to four fold type (see door schedule), moved doors 110 and 150 south & changed their configuration, moved doors 132 and 160 to the north.

Item No. 24.

REPLACE : Sheet A7.1.1, Overall Reflected Ceiling Plans: Revised ceiling plans to match floor plan changes noted above.

Item No. 25.

REPLACE : Sheet A7.1.2, Enlarged Reflected Ceiling Plan - North: Revised ceiling plan to match floor plan changes noted above, adjusted ACT grid layout and location of transition to gypsum wallboard in Alarm Room.

Item No. 26.

REPLACE : Sheet A8.1.0, Interior Elevation Key Plan: Revised Floor plan to match floor plan changes noted above.

Item No. 27.

REPLACE : Sheet A8.1.1, Interior Elevations: Revised Interior Elevations to match floor plan changes noted above.

Item No. 28.

REPLACE : Sheet A8.1.3, Interior Elevations: Revised Interior Elevations to match floor plan changes noted above.

Item No. 29.

REPLACE : Sheet A8.1.4, Interior Elevations: Revised Interior Elevations to match floor plan changes noted above.

June 30, 2016

Addendum No. 1
Fire Station 40 ARFF Services
Hartsfield Jackson International Airport

Item No. 30.

REPLACE : Sheet A8.1.6, Interior Elevations: Revised Interior Elevations to match floor plan changes noted above.

Item No. 31.

REPLACE : Sheet A8.1.7, Interior Elevations: Revised Interior Elevations to match floor plan changes noted above.

Item No. 32.

REPLACE : Sheet A9.1.1, Door Schedule, Types & Details: Added door type FF and door frame type 5. Changed doors 138 thru 142 to type FF. Changed doors 110 and 150 from pair to single swing with frame type 5.

Item No. 33.

REPLACE : Sheet A9.1.2, Door Details – Hollow Metal & Aluminum Lift: Modified details 07 & 08 as result of floor plan changes noted above.

Item No. 34.

REPLACE : Sheet A9.2.1, Curtainwall Types: Moved door 132 to the north.

Item No. 35.

REPLACE : Sheet A10.1.2, Plan Details: Modified details 02 & 04 as result of floor plan changes noted above.

Interiors Drawings

Item No. 36.

REPLACE : I1.1.1, Overall Floor Finish Plan: modified floor finish plan as result of changes noted in sheets A2.1.2 & A2.1.3. Changed hatch pattern used to designate carpet tiles.

Item No. 37.

REPLACE : I1.1.2, Enlarged Floor Finish Plan - North: modified floor finish plan as result of changes noted in sheet A2.1.2. Changed hatch pattern used to designate carpet tiles.

Item No. 38.

REPLACE : I1.1.3, Enlarged Floor Finish Plan - South: modified floor finish plan as result of changes noted in sheet A2.1.3. Changed hatch pattern used to designate carpet tiles.

June 30, 2016

Addendum No. 1
Fire Station 40 ARFF Services
Hartsfield Jackson International Airport

Structural Drawings

Item No. 39.

REPLACE : Sheet S0.0.0, Isometric View: Revised wind column configuration and apparatus door framing as noted below.

Item No. 40.

REPLACE : Sheet S1.1.1, Foundation Plan: Revised wind columns from single HSS8x8x1/4 to double HSS6x6x3/8s to accommodate framing for four fold type door. Clarified shear wall extents in various locations.

Item No. 41.

REPLACE : Sheet S2.1.1, Roof Framing Plan: Revised wind columns from single HSS8x8x1/4 to double HSS6x6x3/8 to accommodate framing for four fold type door.

Item No. 42.

REPLACE : Sheet S3.1.1, Building Sections: Revised wind columns from single HSS8x8x1/4 to double HSS6x6x3/8s to accommodate framing for four fold type door. Added HSS6x6x3/8 wind girt / head connection above apparatus bay doors. Shifted door opening on west apparatus bay wall south of Grid 3 slightly to the south to match architecture.

Item No. 43.

REPLACE : Sheet S7.2.2, Framing Sections and Details: Added detail 10/S7.2.4 for apparatus bay door head connection.

Item No. 44.

REPLACE : Sheet S7.2.4, Framing Sections and Details: Added detail 4/S7.2.2 for apparatus bay overhead door connection. Revised detail 10/S7.2.2 to show updated vertical slip connection for HSS6x6x3/8 wind columns.

Electrical Drawings

Item No. 45.

REPLACE : Sheet E3.1.1 – Relocated LA22 light fixture, deleted exit sig and removed step lights

Item No. 46.

REPLACE : Sheet E4.1.1 – Removed power outlets, relocated power outlet and panelboard

June 30, 2016

Addendum No. 1
Fire Station 40 ARFF Services
Hartsfield Jackson International Airport

Security and Access Control Systems Drawings

Item No. 47.

REPLACE : Sheet SS2.1.1, First Floor Plan: Revised Floor plan with Architectural changes.
Sheet SS2.1.1, First Floor Plan: Wall Mount Voice Outlet near door 150 relocated to match change in door location.

Item No. 48.

REPLACE : Sheet SS2.1.1, First Floor Plan: Wall Mount Voice Outlet near door 160 relocated to match change in door location.

Item No. 49.

REPLACE : Sheet SS2.1.1, First Floor Plan: Door 132 and associated Access Control Hardware relocated.

END OF ADDENDUM NO. 1