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

August 16, 2016

INTERESTED BIDDERS:

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

Attached is one (1) copy of **Addendum No. 3**, 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,

Adam L. Smith

ALS:jab

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

- **Answers to questions;**

- **Revisions to technical specification; and**
  Part 1 - Instructions to Bidders – Delete in its entirety – 20.5, Required Bid Submittal Check Sheet; and **Replace with** 20.5, Required Bid Submittal Check Sheet (attached).

  Add: Section 09 96 46 – Intumsescent Painting.

- **Due date changed from Wednesday, August 24, 2016 to Friday, August 26, 2016.**

Bids are due **Friday, August 26, 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*****

Acknowledgement of Addendum No. 3

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 Bidder

_____
Signature of Authorized Representative

_____
Title

_____
Date

ADDENDUM NO. 3

QUESTIONS AND ANSWERS

MODIFICATIONS ARE INDICATED IN BOLD ITALIC FACE TYPE
PROJECT NUMBER FC-9001 – FIRE STATION 40
ADDENDUM No. 3

THE FOLLOWING ARE CHANGES AND/OR MODIFICATIONS TO THE BID DOCUMENTS

1. REVISION TO EXHIBIT "E" SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

Addition: ***Section 09 96 46 -"Intumescent Painting", attached to this Addendum No. 3.***

The following questions and/or clarifications were requested by various Contractors:

1.	Question:	The roofs over the Equipment Bays and Tower call for Roof System 2. Roof system 2 is only 3" of ISO. We are used to installing a minimum of R-20. Can you confirm the R-Value from 3" of ISO is adequate?
	Answer:	***The Equipment Bays and the Tower are not fully conditioned spaces. The R-15 value provided by 3" of polyisocyanurate is adequate.***
2.	Question:	Roof Systems 1 and 3 call for a 2" mineral wool insulation board. This type of insulation is not typically used for the specified system. Please confirm if ISO board could be used for both layers of the insulation.
	Answer:	***Roof systems 1 and 3 were carefully detailed to mitigate acoustic transmission through the assembly. The materials chosen, their thicknesses, and their sequence of layering are all important to the overall system performance. Provide both systems as designed to include mineral fiber board with minimum 10 PCF.***
3.	Question:	The roof details show fibrous cant strips. These are typically only used on modified/built-up roof systems. Single-ply systems do not use cant strips in their details. Please clarify.
	Answer:	***Cant strips can be eliminated from the work if so directed by the approved roofing system manufacturer during submittals, provided the specified warranty is provided.***
4.	Question:	Is it acceptable to mechanically attach the roof system? Fasteners would be visible in areas where the ceiling will not be covered by gypsum/sheetrock or acoustic ceiling tile. If the ceiling is painted after the roof is installed, the fastener visibility would be minimal. Please confirm.
	Answer:	***See Note 3, Detail 03/A6.1.1 for fastening / adhering instruction. This assembly is designed to mitigate acoustic transmission through the assembly.***
5.	Question:	The specified system for Types 1 and 3 are not necessary for the specified system's warranty requirements. Would it be acceptable to propose with the 5/8" gyp board

		on the metal deck to achieve the required fire-rating, but to deviate from the roof types provided for 1 and 2.
	Answer:	***Roof systems 1 and 3 were carefully detailed to mitigate acoustic transmission through the assembly. Provide both systems as designed. Purpose of gypsum board is not fire rating but acoustic mitigation.***
6.	Question:	The manufacturer states that the 5/8" gyp board must be everywhere in order to get the specified wind speed warranty of 120mph. This means that Roof Type 2 must be changed to 3" ISO insulation and ADD a 5/8" gyp board on top of it and then the membrane. Please confirm this is the intent.
	Answer:	***Verified with Firestone representative. Where required by manufacturer, add 5/8" thick gypsum core roof board underlayment for roofing membrane to Roof Type 2. Include underlayment cost in base bid.***
7.	Question:	Specifications 08 41 13 & 08 44 13 indicate the basis of design products are Kawneer storefront and curtainwall systems. Drawing A2.1.1 indicates in the glazing notes Minimum Acoustical Performance requirements that must be met for areas of high, medium and low levels. Based on manufacturer input, it does not appear that the Kawneer specified systems can meet the Acoustical performance requirements outlined on A2.1.1. Please clarify what is to be provided for this bid
	Answer:	***Glazing Notes on A2.1.1 define the acoustic performance levels of the glass. Glass of the composition specified will meet the indicated performance levels. Note the use of unbalanced glass thicknesses, laminations, and varying overall glazing thickness; these were all selected for acoustic performance criteria.*** ***It is understood that the acoustic performance of the overall fenestration assemblies (curtainwall, storefront, windows, and entrances) will be lower. Fenestration assemblies were also selected in consideration of their acoustic performance.***
8.	Question:	There is no specification provided for Spray on Fireproofing. Please indicate if the steel is required to be fireproofed.
	Answer:	***NO. Note on sheet A0.1.2, Building Code Information, Chapter 6, Construction Classification, Type IIB; load bearing systems and components do not require fire rating.***
9.	Question:	Drawings indicate intumescent paint is required at steel in the Engine Bay. No Intumescent paint spec is provided. Please provide one.
	Answer:	***Refer to Specification Section 099646 Intumescent Painting included with this Addendum No. 3.***

10.	Question:	Item 13.6 of Exhibit A references Davis Bacon prevailing wage. It seems to imply this project would require Davis Bacon wage rates, however no wage scale has been issued. Please clarify if Davis Bacon wage rates are a requirement on this project.
	Answer:	***Davis Bacon is not a requirement on this project.***
11.	Question:	Add alternate 2 seems to imply that the Wasau Windows would be furnished in addition to the revised base scope storefront windows. It appears that the Wausau windows on their own achieve the High Level STC rating of 42. Please confirm if per this alternate, the Wausau windows are to be furnished in lieu of or in addition to store front.
	Answer:	***In addition. Alternate 2 reduces the acoustic transmission properties of the storefront glazing (by using non-laminated units) and adds the Wausau interior accessory windows. The <u>addition</u> of the accessory windows to the primary windows creates an overall assembly with a superior performance level. The Wausau 1297 S.E.A.L. Interior Accessory Windows are not designed for exterior use.***
12.	Question:	There is a company that has a contract with the City for Lockers for the Airport Fire Station. The contract #8112-PL. Will this change how the lockers will be handled on this project?
	Answer:	***No***
13	Question:	03/A5.1.1 indicates, in Equipment Bay, 1 Hour Intumescent paint at steel beam and plate where unprotected. Please indicate if this note is typical for this space or only applies to the one indicated beam. Is the design intent for this note to apply to all exposed steel beams and plates in the Engine Bay? Are the exposed steel columns, beams, trusses, braces and deck all to be painted with 1 hr intumescent paint? Note 7 on I2.1.1 indicates exposed structural steel in this room and other rooms to be painted. Please confirm this is means standard paint, not intumescent paint.
	Answer:	***The Building Code requires that construction supporting fire barriers be protected with the same fire-resistance rating as the barrier (see sheet A0.1.2, Building Code Information, Chapter 7, Section 707).*** ***In the Equipment Bay, there are 2 steel beams and 3 steel columns that support a fire barrier. See drawing 1/S2.1.1; along line F, the HSS16x8 lintels that span between lines 4, 5, and 6, and the columns at F/4, F/5, and F/6 (full height), where not protected by masonry, are to receive 1 hour intumescent paint.*** ***Also, along lines A and F, all lintel angles & plates shown in detail 1/S6.1.2, which support a fire barrier above, where not protected by masonry, are to receive 1 hour intumescent paint.*** ***All other exposed structural steel in the Equipment Bay to receive non-fire-protective paint as specified elsewhere.***

ADDENDUM NO. 3

REVISION TO TECHNICAL SPECIFICATIONS

Part 1 - Instructions to Bidders – Delete in its entirety – 20.5, Required Bid Submittal Check Sheet; and **Replace with** 20.5, Required Bid Submittal Check Sheet (attached).

Add: Section 09 96 46 – Intumsescent Painting.

20.5. The following submittals must be completed and submitted on **Friday, August 26, 2016:**[2]

Item #	Required Bid Submittal Check Sheet	Check (√)
1.	Form 1; Illegal Immigration Reform and Enforcement Act Forms	
2.	Form 2; Contractor Disclosure Form	
3.	Form 3; Bid Bond	
4.	Form 4; Bidder Financial Disclosure (N/A FOR THIS ITB)	
5.	Form 5; Acknowledgement of Insurance & Bonding Requirements	
6.	Form 6.1; Certification of Insurance Ability	
7.	Form 6.2; Certification of Bonding Ability	
8.	Form 7; Acknowledgement of Addenda	
9.	Form 8: Bidder Contact Directory	
10.	Form 9: Reference Form	
11.	Form 10: Georgia Utility Contractor's License	
12.	Georgia Contractor's License (s)	
13.	Georgia Electrical Contractor's License	
14.	Georgia Mechanical Contractor's License	
15.	Executive Quality Control Plan	
16.	Executive Safety Plan	
17.	Executive Work Plan	
18.	Certificate of Existence	
19.	Exhibit "C", Form A: Schedule of Quantities and Prices	

[2] This table is included for Bidder's convenience and may be used to track the preparation and submittal of certain required information with its Bid.

Item #	Required Bid Submittal Check Sheet	Check (√)
20.	Exhibit "C", Form A-1: Schedule of Unit and Lump Sum Prices	
21.	Exhibit "C", Form B: Essential Subcontractor Qualification Statement	
22.	Exhibit "C", Form C: Preliminary Contract Schedule	
23.	Exhibit "C", Form D: Project Organization and Work Plan	
24.	Exhibit "C", Form E: Safety Program	
25.	Exhibit "C", Form F: Resumes of Key Personnel	
26.	Exhibit "C", Form G: Summary of QC Program	
27.	Exhibit "C", Form H: Work in Progress	
28.	Exhibit "C", Form I: Experience Statement	
29.	Exhibit "D", OCIP Program Insurance Information Forms (Page 1 and 2)	
30.	Exhibit "I", QC Summary	
31.	Appendix "A": EBO Forms 1 through 5; Joint Venture Agreement	

SECTION 09 96 46 - INTUMESCENT PAINTING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes surface preparation and application of fire-retardant intumescent paint to interior items and surfaces.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.
B. Samples: For each intumescent paint finish indicated.
   1. Submit samples on rigid backing, 8-inches (200 mm) square.
   2. Step coats on samples to show each coat required for system.
   3. Label each coat of each sample.
   4. Label each sample for location and application area.
C. Material Test Reports: For each intumescent paint.
D. LEED Submittals:
   1. IEQc4.2 Low-Emitting Materials – Paints and Coatings: Provide manufacturer's product data and material safety data sheets (MSDS) for paints and coatings used on the interior of the building including printed statement of VOC content in g/L.

1.3 QUALITY ASSURANCE

A. Applicator Qualifications: A firm or individual experienced in applying intumescent paints and coatings similar in material, design and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.
B. Source Limitations: Obtain primers for each coating system from the same manufacturer as the finish coats.
C. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
   1. Flame-Spread Index: 25 or less.
   2. Smoke-Developed Index: 450 or less.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).
   1. Maintain containers in clean condition, free of foreign materials and residue.
   2. Remove rags and waste from storage areas daily.

1.5 PROJECT CONDITIONS

A. Apply waterborne intumescent paints only when temperatures of surfaces to be painted and ambient air temperatures are between 50 and 90 deg F (10 and 32 deg C).

B. Allow wet surfaces to dry thoroughly and to attain temperature and conditions specified before starting or continuing coating operation.

1.6 EXTRA MATERIALS

A. Furnish extra materials described below that are from same production run (batch mix) as materials applied and that are packaged for storage and identified with labels describing contents.
   1. Quantity: Furnish an additional 5 percent, but not less than 1 gal. (3.8 L) of each material and color applied.

1.7 WARRANTY

A. Manufacturer's Warranty: Provide the manufacturer's standard warranty.
   1. Warranty Period: Ten [10] year limited warranty commencing on the date of Substantial Completion.

PART 2 - PRODUCTS

2.1 INTUMESCNENT PAINT MATERIALS, GENERAL

A. Material Compatibility:
   1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
   2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
B. Colors and Gloss: Match wall color, as selected by Architect from manufacturer's full range.

2.2 INTERIOR, PIGMENTED, INTUMESCENT PAINT SYSTEM

A. Fire-Retardant Intumescent Paint: Water-based, latex-type, fire-retardant paint for interior wood and other combustible surfaces.
   1. Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
      a. Albi Manufacturing, a division of StanChem, Inc; Albi-Cote FRL; flat finish.
      b. Benjamin Moore & Co; M59 220.
      c. Muralo Company (The); 1500; flat finish.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.

B. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.
   1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

3.2 PREPARATION

A. Comply with manufacturer's written instructions and recommendations applicable to substrates indicated.

B. Remove plates, machined surfaces, and similar items already in place that are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
   1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
   2. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.

C. Steel Substrates: Remove rust and loose mill scale. Clean using methods recommended in writing by paint manufacturer.
   1. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.
   2. Touch up bare areas and shop-applied prime coats that have been damaged. Wire brush, clean with solvents recommended by paint manufacturer, and tough up with same primer as the shop coat.

D. Clean substrates of substances that could impair bond of paints, including dirt, oil, grease, and incompatible paints and encapsulants.
   1. Remove incompatible primers and reprime substrate with compatible primers as required to produce paint systems indicated.

3.3 APPLICATION

A. General: Apply intumescent paints according to manufacturer's written instructions and to comply with requirements for fire-retardant coating classification.
   1. Use applicators and techniques suited for paint and substrate indicated.
   2. Apply each coat separately according to manufacturer's written instructions.
   3. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of durable paint film.
   4. Provide finish coats that are compatible with primers used.

B. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
   1. Pigmented Finishes: If undercoats or other conditions show through pigmented topcoat/overcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

3.4 CLEANING FAND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

C. Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings provided by others to protect their work.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

END OF SECTION 09 96 46