



CITY OF HOUSTON

Sylvester Turner

Mayor



HOUSTON AIRPORT SYSTEM

George Bush Intercontinental ~ William P. Hobby ~ Ellington Airport

Mario C. Diaz
Director of Aviation

November 29, 2021

SUBJECT: Addendum No. 4

REFERENCE: Invitation To Bid (ITB) for HAS Exit Lane Breach Control IAH and HOU; Solicitation No. H27-ELBC-2022-002, Project No. 735

To: All Prospective Respondents

This Addendum is being issued to:

I. Respond to Questions

1. **Question:** Please confirm that the drawings dated 10/20/21 are the most current.

Response: Confirmed. Additionally, any and all documents issued by Addenda will supersede previously issued sheets.

2. **Question:** Contracting-Instruction To Bidders-What is the required amount for the bid security?

Response: Please refer to Document 00410-Part A, Section 1.0B, Security Deposit.

3. **Question:** Please confirm that the Texas renovation tax does not apply.

Response: Confirmed.

4. **Question:** Is Exit Lane Breach Control Technology implementation a part of the overall Security Master Plan for the airport(s) / location(s) covered in this RFP?

Response: Yes.

5. **Question:** Focusing on security risk management, the reliability of exit lane control technology which provides immediate response to anomalies, many airports can now monitor / manage / respond exit lane control remotely allowing more reliable and consistent coverage thus reducing risk with an added benefit of redeployment of resources to critical missions. Please clarify the position of the RFP with respect to requirements to provide the ability to remove all on site staffing as the primary control for the exit lane.

Response: The intent of the Houston Airport System is to no longer require staffing of personnel at these exit lanes 24/7.

6. **Question:** Exit Lane Controls may reduce available area and place some impediments for seamless emergency exiting. Many airports require alternative exiting plans to address public safety. Have the

areas / plans for all impacted areas already been approved to cover reverse flow restrictions that may arise from reconfiguring the exiting path(s)?

Response: The new exit lane areas are not considered a means of egress in case of emergency. Refer to HOU/G003 and IAH.G003 for life safety plans that include existing exits and travel distances. In case of emergency, the proposed exit doors have emergency breakout panels that will maintain forward progress toward exit.

7. **Question:** Along with providing local notifications, which security alarm and notifications systems currently installed at the airport(s) will the new Exit Lane Breach Control be required to integrate with?

Response: The lighting within the Exit Lane Breach Control shall be tied into the existing lighting system and controls.

8. **Question:** Section 1.2-E.3 stipulates that no additional funding will be available after the project award. If changes / additions are made by the airport on any of these systems that requires additional work for integrating the Exit Lane Breach Control (between the project award and the turnover) how will the cost of this work be covered?

Response: An HAS project contingency will be established at project award for unforeseen items. If any changes are necessary, they will be addressed through the change order process.

9. **Question:** In the addendum, when the dates for the pre-bid virtual meeting and questions are changed there is no mention of the site walks. The documents were not clear on the date of the site visit and therefore we would request that an additional site walk be scheduled or that interested parties can reach out to the project team to schedule a site walk.

Response: An additional site walk is scheduled for Thursday December 2, 2021 beginning at 10:30AM at the IAH Terminal C Ticketing Level information booth and 1:30PM at the Houston Hobby Terminal Baggage Claim level information booth.

10. **Question:** Please provide a spec section for signage.

Response: Please see attached signage specification 101404 Wayfinding Signage.

11. **Question:** HOU QUESTION. Please provide which areas are SIDA or Sterile. If this work is sterile will it require K9 inspections?

Response: This can be discussed but will not be provided electronically per 49 CFR 1520. Based on what has been reviewed to date it would appear work will be done in both Sterile Area and SIDA. Possible K9 inspections for certain materials maybe required and will be determined on a case-by-case basis.

12. **Question:** HOU QUESTION. Please provide details or allowance needed for the SIDA secure dust wall needed during construction. The plans state to submit details to the A/E team after bid. However, additional information is needed so that it may be priced accordingly and competitively by all proposers.

Response: See the attached updated plans for suggested dust wall locations and work area door. The contractor shall provide and submit to Owner A/E, a secure and safe dust wall around the project sites. When the dust wall is fully in place, and only during certain periods of construction when a full dividing wall is feasible, the dust wall can be a divider wall between secure and non-secure providing the contractor a non-secure access into the work zone. The dust walls shall have a keyed door lever

lock access when occupied and shall be locked with a secure hasp and padlock when not occupied by workers. All dust wall installation by the G.C. is subject to HAS's final review and approval. Assume a painted gyp. bd wall (tape, floated and painted with 4" black rubber base) over 20 gauge 3 5/8" studs. Secure to ceiling and floor. Double stick tape bottom track to floor. Patch and repair any existing work after wall is taken down.

13. **Question:** HOU QUESTION. Is all work that happens outside of the typical work area to be night work?

Response: Work within the "Contractor controlled" area inside the dust walls can be performed during regular work hours except for tasks that generate high noise levels that is offensive to passenger travel.

14. **Question:** HOU QUESTION. On Sheet AP200 note 02.02 states to relocate and install matching wall panels. Does HAS have any of the panels? If not, can specs be provided?

Response: JC Decaux will relocate the existing video wall noted as "Graphics" in the referenced keynote. New Trespa wall panels, matching the existing Trespa in color "Metallics Amber M 06.4.1/ST" will be installed by the Owner / JC Decaux.

15. **Question:** HOU QUESTION. On sheet AP200 note 02.05 states to relocate existing signs. Please confirm the new location for these signs.

Response: Refer to new location of relocated sign noted on sheet AG200. Only one wayfinding sign is to be relocated but see the full scope for new signs.

16. **Question:** HOU QUESTION. During the site walk it was stated that the video board would be relocated by others. Sheet AD 200 states it is to be relocated but does not state "by others." Please confirm. If it is by the GC, please clarify the area it is to be relocated to.

Response: "By others" note has been added to keynote 2.50 on sheet AD200. JC Decaux will relocate the video wall.

17. **Question:** HOU QUESTION. On sheet AD 200 note 02.53 it states that the GC is to add steel. Please provide a quantity or allowance for this steel so that it may be priced accordingly and competitively by all proposers.

Response: The length of the wall is approx. 33'-4" V.I.F. It is unknown if steel will be necessary as the selected GC is to carefully cut wall up to 10'-1 1/2". As noted on sheet AD200 keynote 2.52, existing structural steel columns are to remain.

18. **Question:** HOU QUESTION. On E 000 it states that there will be an allowance of \$60,000 for any miscellaneous modifications required in the field and it is stated on both projects. Is the \$60,000 allowance the total for both projects combined, or should the allowance be \$60,000 x 2 projects for a total allowance amount of \$120,000?

Response: Allowances have been reduced to \$12,000 (for each site HOU and IAH). This is to be included in the bid for unforeseen items that may be outside of the proposed scope but related to the project.

19. **Question:** HOU QUESTION. In spec section 265113 it states that the contractor is to provide a \$15,000 allowance for any lighting and power modifications. Confirm if this in addition to the \$60,000 allowance shown on E000.

Response: The \$15,000 allowance was originally in addition to the \$60,000 and has been removed from the project scope and revised specification (Specs 26 51 13). Per the revised plan E000, NOTE 8, the allowance for each airport is \$12,000.

20. **Question:** HOU QUESTION. On sheet E401 it states that the GC is to provide and install new back up (UPS). However, on sheet E 402 it states that the back-up is OFCI. Please confirm.

Response: This general note has been removed. The scope of work is to include the provision and installation for the new rack mounted UPS and all the associated devices. The Owner shall provide approval of device during submittal phase.

21. **Question:** HOU QUESTION. On sheet E902 picture B it shows lights above the signs. These lights were not shown on the fixture plan. Are these lights to remain or be demoed?

Response: These lights are to be removed. See attached revised E902 plan.

22. **Question:** HOU QUESTION. On sheet TY000 note 19 it states that the contractor is to recertify a fire rated door altered in project. What type of recertification is needed for the door?

Response: This is a general note for fire rated doors, the new Breach control doors are not rated and the note is not applicable to the new doors.

23. **Question:** HOU QUESTION. On sheet TY000 it states that the motion detection camera, watcher camera, remote command terminal, general control rack, and auto door operator are by others. Please confirm. Is a supplier/installer selected yet?

Response: Confirmed. Security contractor only supplies HAS security equipment. Exit Lane equipment is by others. No supplier/installer has been selected.

24. **Question:** IAH QUESTION. Please confirm which scopes will be required to work nights?

Response: Please refer to response provided in Question #13.

25. **Question:** IAH QUESTION. On sheet AD202 note 02.63 it states to patch and repair existing Terrazzo as needed. Please provide a quantity or allowance for this work so that it may be priced accordingly and competitively by all proposers.

Response: Patched terrazzo area is approximately 125 sf. Refer to noted area in sheet A202. The General Contractor shall verify and be responsible for quantities.

26. **Question:** IAH QUESTION. On E 000 it states that there will be an allowance of \$60,000 for any miscellaneous modifications required in the field and it is stated on both projects. Is the \$60,000 allowance the total for both projects combined, or should the allowance be \$60,000 x 2 projects for a total allowance amount of \$120,000?

Response: Please refer to response provided in Question #18.

27. **Question:** IAH QUESTION. On sheet E601 note 6 it states that the GC shall contact existing UPS manufacturer to schedule maintenance on existing UPS to verify if only the batteries need to be replaced or if the UPS device is defective. Please provide manufacturer.

Response: Per the most recent site survey, the manufacturer for the UPS was Eaton. However, the contractor is required to conduct a field visit to verify the exact manufacturer and location of the existing UPS device.

28. **Question:** IAH QUESTION. On sheet E601 note 6 it states that if the UPS is defective that an allowance of \$40,000 will be provided. Do we need to add this allowance into our bids?

Response: Keyed note has been removed and revised in this addendum. The basis of the scope of work is to remove the existing batteries in the existing UPS and replace them with new of the same or equal kind.

29. **Question:** Can HAS provide AutoCAD drawings of these two exit lane areas so that we can generate our full engineered system design drawings for the bidding contractors? We would also be happy to provide them to PGAL for release in a future Addendum if that would be preferred. CAD drawings are essential for us to use as our baseline in order to provide accurate dimensions on our layout drawings, so they would be preferred over the PDF drawings provided with the solicitation documents.

Response: CAD drawings can be provided to the successful bidder after the project is awarded.

30. **Question:** As the proposal due date has been extended to December 2, 2021, is there any way that you would consider extending the question due date a few days? There are a couple of important items that we still haven't resolved with the additional information provided in Addendum 2 regarding the ELBCS containment doors and the ELBCS interface to name just one.

Response: Please refer to Addendum No. 2 issued November 1, 2021.

31. **Question:** Since Addendum No. 1 did not mention or provide new date/time regarding site visits is it possible for interested parties to schedule a visit to evaluate and provide an accurate BID?

Response: Please refer to response provided in Question #9.

32. **Question:** Is the goal of this ITB to reduce human capital cost and provide a true Unstaffed Exit Lane Breach Control System or is it a in kind upgrade with staffing still required?

Response: It is the project goal that this will be an "unstaffed" exit, eliminating a 24-7 monitoring position at the exit. Digital interface in the system will be remotely monitored.

33. **Question:** If Staffing is required will the staffing be provided by the Airport or TSA?

Response: During construction, the exit pathway will be adjusted, this position will be staffed by TSA. A secure construction dust wall is the Contractor's responsibility to maintain.

34. **Question:** In the event of an alarm condition will the response be provided by Airport Law Enforcement or TSA Officers?

Response: Will be a mix of LEO, TSA, and Airport Security/Operations as determined by each airport/location. Specific response plans will not be discussed in a public forum as they are regulated under 49 CFR 1520.

35. **Question:** Does the airport have any current projects or pending projects that upgrade/change/modify any systems that we are required to integrate with?

Response: Not at this time. HAS IT Standards and Specifications are currently updated to reflect upgrades/changes/modifications.

36. **Question:** MEP-Dwgs & Specs-The bid documents do not contain any drawings or specifications for Fire Protection or HVAC work. Please confirm that there is no work for these trades required in this project.

Response: Fire protection drawings are provided in this addendum. See attached.

37. **Question:** Architectural-G003-IAH Dwg G003 calls for new fire extinguishers. Please provide a specification.

Response: Please see specification 104416 Fire Extinguishers issued as part of this addendum.

38. **Question:** Architectural-AG202-IAH Dwg AG202 call for wayfinding signage to math IAH terminal C standards. Please provide spec or standard.

Response: Refer to new sheet AG700 for Wayfinding Elevations and Details. In addition, refer to specification 101404 Wayfinding Signage for additional information.

39. **Question:** IAH-C Drawing E901 shows an ELBCS drawing labeled "Equipment Installation Detail", but this is actually an animation of our ExitSentry system taken from our promotional presentation information, which shows no real detail for the system – Only a conceptual system profile. ExitSentry system details, design layout, one-line diagrams as well as specific, detailed ELBCS to HAS-ACS/VMS interface matrices for each system were provided to PGAL during the design of this project. This information has not been fully shown in the solicitation documents (See specifics below).

- How will the subcontractors know what wiring, conduit, rough-in, systems interface, etc. will be required for the ELBCS for this project without this information provided in a "low-bid" 100% design project?

Note that on a 100% design project the electrical and systems subcontractors will only be responsible for what is shown on the plans and specs, and not what a vendor tells them to provide.

Response: Bidding contractors and subcontractors are to bid the project so that it is a fully functioning system. All Breach Control hardware, software, technology and MEP etc. are to be provided in the cost of the bid. Per the detail note (#2) on referenced detail, coordination is required to provide a fully functioning system per the selected vendors requirements.

40. **Question:** IAH-C Drawing TY202 shows most of the ELBCS devices in the exit lane (Per Addendum 2) but does not show the audio/visual (speaker/strobe) devices required for system pre-alarm, alarm and optional door closing alert function. (As shown on the engineered design drawings that we provided to PGAL during the project design)

- Should the speaker/strobes be shown on the ELBCS drawings for a 100% complete and working system?

Response: In the sheet TY202 (attached) keynote 15, "AV" symbols have also been added to the floor plan.

41. **Question:** IAH-C Drawing TY202 shows most of the ELBCS devices in the exit lane (Per Addendum 2) but does not show the second "detection" camera device required in each zone. (As shown on the engineered design drawings that we provided to PGAL during the project design)

- Should the second detector cameras be shown on the ELBCS drawings for a 100% complete and working system design?

Response: Refer to keynotes 7 and 11 on sheet TY202 (attached). Both keynotes state "Quantity as required by supplier".

42. **Question:** IAH-C Drawing TY404 shows no one line wiring diagram for the ELBCS. (As shown on the engineered design drawings that we provided to PGAL during the project design) but does show the one-line diagrams for the ACS, VMS and network infrastructure.

- Should the one-line diagram for the ELBCS be shown on the drawings so that the electrical contractors can provide the required wiring, conduit, rough-in, power, etc. in their bids for a 100% complete and working ELBC system design?

Response: The cabling diagram for the ELBCS equipment will be provided by the Exit lane equipment supplier. The design team only shows connection from the ELBCS CCR into the HAS system. Refer to Detail 3 sheet TY404 for these connections.

43. **Question:** IAH-C Drawing TY502 shows no mounting details for the ELBCS devices. (As shown on the engineered design drawings that we provided to PGAL during the project design) but does show the mounting details for the access control and video surveillance devices.

- Should the details for the ELBCS devices be shown on the drawings so that the installing contractors can provide the required mounting provisions and rough-in in their bids for a 100% complete and working ELBC system design?

Response: The mounting details for ELBCS equipment will be provided by Exit Lane equipment supplier as the design team does not have the information for the types of cameras being used.

44. **Question:** HOU Drawing E901 shows an ELBCS drawing labeled "Equipment Installation Detail", but this is an animation of our ExitSentry system taken from our promotional presentation information, which shows no real detail for the system – Only a conceptual system profile. ExitSentry system details, design layout, one-line diagrams as well as specific, detailed ELBCS to HAS-ACS/VMS interface matrices for each system were provided to PGAL during the design of this project. This information has not been fully shown in the solicitation documents (See specifics below).

- How will the subcontractors know what wiring, conduit, rough-in, systems interface, etc. will be required for the ELBCS for this project without this information provided in a "low-bid" 100% design project?

Note that on a 100% design project the electrical and systems subcontractors will only be responsible for what is shown on the plans and specs, and not what a vendor tells them to provide.

Response: Please refer to response provided in Question #39.

45. **Question:** HOU Drawing E901 shows most of the ELBCS devices in the exit lane (Per Addendum 2) but does not show the audio/visual (speaker/strobe) devices required for system pre-alarm, alarm and optional door closing alert function. (As shown on the engineered design drawings that we provided to PGAL during the project design)

- Should the speaker/strobes be shown on the ELBCS drawings for a 100% complete and working system?

Response: Sheet TY202 (attached) keynote 14, "AV" symbols have also been added to the floor plan.

46. **Question:** HOU Drawing TY200 shows most of the ELBCS devices in the exit lane (Per Addendum 2) but does not show the second “detection” camera device required in each zone. (As shown on the engineered design drawings that we provided to PGAL during the project design)
- Should the second detector cameras be shown on the ELBCS drawings for a 100% complete and working system design?

Response: Refer to keynotes 10 and 13 on sheet TY200. Both keynotes state "Quantity as required by supplier."

47. **Question:** HOU Drawing TY300 shows no one line wiring diagram for the ELBCS. (As shown on the engineered design drawings that we provided to PGAL during the project design) but does show the one-line diagrams for the ACS, VMS and network infrastructure.
- Should the one-line diagram for the ELBCS be shown on the drawings so that the electrical contractors can provide the required wiring, conduit, rough-in, power, etc. in their bids for a 100% complete and working ELBC system design?

Response: The cabling diagram for the ELBCS equipment will be provided by Exit Lane equipment supplier. The design team only shows connection from the ELBCS CCR into the HAS system. Refer to Detail 4 sheet TY300 for these connections.

48. **Question:** HOU Drawing TY501 shows no mounting details for the ELBCS devices. (As shown on the engineered design drawings that we provided to PGAL during the project design) but does show the mounting details for the access control and video surveillance devices.
- Should the details for the ELBCS devices be shown on the drawings so that the installing contractors can provide the required mounting provisions and rough-in in their bids for a 100% complete and working ELBC system design?

Response: Please refer to response provided in Question #43.

II. Provide the following changes to Project Drawing and Project Manual:

1. For HOU Exit Lane Drawing Set (attached) **REPLACE** (24) Drawing Sheets G000, A011, A013, A030, A035, AP200, AD200, AD300, A200, A300, A400, AG200, S200, S301, E000, E401, E402, E601, E902, TY000, TY001, TY200, TY300, TY500 with the attached Drawing Sheets marked Addendum #4.
2. For HOU Exit Lane Drawing Set (attached) **ADD** (6) Drawing Sheets A701, AG700, FP000, FP301, FP901, and TY100 marked Addendum #4.
3. For IAH Exit Lane Drawing Set (attached) **REPLACE** (25) Drawing Sheets G000, A011, A013, A030, A035, AP202, AD202, AD302, A202, A302, A402, A502, ADG202, AG202, S200, S301, E000, E303, E403, E601, E902, TY000, TY001, TY202, TY404 with the attached Drawing Sheets marked Addendum #4.
4. For IAH Exit Lane Drawing Set (attached) **ADD** (5) Drawing Sheets A701, AG700, FP000, FP303, FP901 marked Addendum #4.
5. **ADD** Specification Door Hardware 087100-3.6-A, door schedule of finish hardware.
6. **ADD** Specification Interior Lighting, Fixtures, Lamps and Drivers 265113-2.2-D & E and **REMOVE** sections 2.2-D and 2.2-E.

7. Attached **UPDATED** Table of Contents (Document 00010) per added sections below:
 - 084229.23 – Sliding Automatic Entrances
 - 096623 – Resinous Matrix Terrazzo Flooring
 - 101404 – Wayfinding Signage
 - 104416 – Fire Extinguishers
 - 210500 – Common Work Results for Fire Suppression
 - 211313 – Wet Pipe Sprinkler Systems

III. Provide the following attachments

1. Document 0010, Table of Contents
2. HOU Exit Lane Drawing Set
3. IAH Exit Lane Drawing Set
4. 26 51 13 (16510) - Interior Lighting Fixtures, Lamps and Drivers
5. 084229.23 – Sliding Automatic Entrances
6. 087100 – Door Hardware
7. 096623 – Resinous Matrix Terrazzo Flooring
8. 101404 – Wayfinding Signage
9. 104416 – Fire Extinguishers
10. 210500 – Common Work Results for Fire Suppression
11. 211313 – Wet-Pipe Sprinkler Systems

When issued, Addendum shall automatically become part of the solicitation documents and shall supersede any previous specification(s) and/or provision(s) in conflict with the Addendum. Addendum will be incorporated into the Agreement as applicable. It is the responsibility of the bidder(s) to ensure that it has obtained all such letter(s). By submitting a bid on this project, bidder(s) shall be deemed to have received all Addendum and to have incorporated them into their bid.

If further clarification is needed regarding this solicitation, please contact Al Oracion, Sr. Procurement Specialist, via email at Alfredo.Oracion@houstontx.gov.

DocuSigned by:

Cathy Vander Plaats

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Cathy Vander Plaats
Procurement Officer
Houston Airport System

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