



CITY OF HOUSTON

Sylvester Turner

Mayor



George Bush Intercontinental ~ William P. Hobby ~ Ellington Airport

Mario C. Diaz
Director of Aviation

March 8, 2021

SUBJECT: Addendum No. 2

REFERENCE: Invitation To Bid (ITB) for IAH Will Clayton to JFK Flyover Bridge Reconstruction Project; Solicitation No. HMM-WCJFKFB-2021-015; Project No. 931

To: All Prospective Respondents

This Addendum is being issued to:

I. Respond to Questions

1. **Question:** Please clarify/confirm what the minimum percent of contract value is that a Prime contractor must perform on this contract in section 3.5.3.2.1. As I understand the bid specifications, the Prime must complete a minimum of 50% of the contract value. Is this correct?

Response: Requirements remain as stated in General Terms and Conditions. This section refers to the subcontracts not the prime. The MWSBE certified firm can't subcontract more that 50% of their work.

2. **Question:** What are the acceptable and/or prohibited methods of concrete demolition (hammering, chipping, milling, hydro demolition) for the following elements to be removed:
a. Bridge rail parapet
b. Bridge sidewalk and curb
c. Bridge deck
d. Off-Bridge Concrete (curb, pavement, approach slab)
e. Selective demolition for Concrete Structure Repair

Response: See specs for allowable methods.

3. **Question:** Will the Portable Concrete Safety Barrier need to be pinned to the bridge deck as there will be a leading edge when the existing rail is removed?

Response: Refer to project plan for attachment methods.

4. **Question:** Sheet S-501 describes the deck removal as "MILL AND REMOVE TOP 2" OF EXISTING DECK. IF EXISTING REINFORCING IS EXPOSED, REMOVE 1/2" OF CONCRETE BELOW THE BAR AS PER ITEM 439." Presuming the existing rebar is #4's each way, exposing the rebar could result in 2" + 1/2" for transverse bars + 1/2" for longitudinal bars + 1/2" below rebar = 3-1/2" of total removal. We have no way to determine how much rebar will be exposed

during the milling operation; how much exposed rebar and additional deck removal should we include in our proposal?

Response: The intent of the project is to not expose the reinforcement. If reinforcement is exposed, localize repairs will be required per project plans.

5. **Question:** Where is the removal of the existing bridge rail measured and paid?

Response: It's included in the bid item TxDOT 451-6024 - Retrofit Rail

6. **Question:** Are there areas near the site that are available to the Contractor for staging and access?

Response: Staging area shown on G-005.

7. **Question:** Will the engineer's estimate be published?

Response: No, the full engineer's estimate will not be posted.

8. **Question:** What is the budget for the project?

Response: Please refer to the response provided in Question No. 7.

9. **Question:** Will a modified bid form be issued with addendum #1? (for the full closure for the duration of the project)

Response: Yes.

10. **Question:** Has the City tested the existing rail and curb that is to be removed for the presence of asbestos? Will the Contractor be expected to budget for asbestos abatement prior to removal of rail and curb or will the City handle this under a separate contract or by change order if determined necessary?

Response: From my understanding, there has been no testing on the existing rail and curb for the presence of asbestos. HAS will have to verify this.

11. **Question:** Is the contract time based on calendar days or working days?

Response: Calendar days.

12. **Question:** Will the City allow the contractor to install the new retrofit SSTR prior to placing the new concrete overlay on the deck for each phase? The new overlay can be poured to the edge of the new rail afterwards if permissible. There are safety concerns with the current sequence of construction shown on Sheet S-502 where the overlay must be placed prior to installing the Retrofit SSTR and the City will not gain anything by pouring a small portion of the overlay under the toe of the new rail as currently detailed on Sheet S-501.

Response: Contractor is allowed to install the rail before the overlay.

13. **Question:** The plans show for a debris shield to be installed at several locations. There is a debris shield/netting cash allowance of \$25,000 established for this project. Can the City

please confirm that any shielding and/or netting required for this project will be paid for from the cash allowance and will not be incidental to other items of work?

Response: The cash allowance should cover the placement and removal of the shielding and/or netting.

14. **Question:** Can the City confirm that the existing light poles will be removed by others prior to commencement of this project and will be installed by others under a separate contract after this project has been completed?

Response: Correct. CenterPoint will be removing the light poles prior to the commencement of this project and will be reinstalled.

15. **Question:** The quantity for 2" conduit is the same as that for the new retrofit railing, however, the existing lighting is only on one side of the bridge. Can the City please confirm that 2" conduit should run through the railing on both sides of the bridge per details on Sheet S-511?

Response: No. Running conduit only on one side as plans indicate.

16. **Question:** The bridge lighting anchor bolt assemblies, junction boxes, and flexible conduit is considered subsidiary to various bid items per notes on Sheet S-505. Can the City please provide approximate quantities for these items, so the Contract can budget accordingly? Does the city anticipate needing anchor bolt assemblies, junction boxes, and flexible conduits installed in the railing on both sides of the bridge or at any other locations different from where the existing light poles are currently placed?

Response: One side only as shown on plans.

17. **Question:** Will the Contractor be required to provide the City with routine aerial photos of the jobsite as detailed in Section 01321 of the special provisions? Given the proximity to the controlled airspace of the airport this is not advisable.

Response: Not needed.

18. **Question:** Will the Contractor be required to provide a temporary field office as detailed in Section 01505 of the special provisions? Given the nature and size of this project, a field office for the Contractor does not seem necessary.

Response: No. Field office isn't necessary.

19. **Question:** Will a mobility permit be required to close the lanes on the flyover and/or any roadway below? If so, are these roadways considered minor or major thoroughfares?

Response: Yes. These should be coordinated with BSG and is considered a major thoroughfare according to the 2020 MTFP Map.

20. **Question:** Per Detail 1/CR501 you are asking the contractor to mix 8% cement into subgrade. How do you propose we perform that work in such small areas? Can we change this and add more excavation and backfill with Flowable Fill?

Response: Substitution request will be considered per contract procedures.

21. **Question:** For the rumble strips that are to be installed can we do this with thermal markings or are you wanting the larger black bolt down kind? Please provide detail.

Response: Thermal markings is acceptable.

22. **Question:** Are we allowed to use chipping hammers at the demo of the Armor joint locations are all are to be removed and replaced?

Response: Yes.

23. **Question:** If the owner starts to use a phase of work that is completed without acceptance, who is responsible for repairs to the section if damaged?

Response: The owner will only use completed work once it is accepted.

24. **Question:** The spall repairs are referred to as minor or intermediate. What is the depth of repair for these designations?

Response: Depth of repair is more localized and will have to be determined when work commences to determine the depth of repair.

25. **Question:** Will core drilling of existing bridge deck be permitted to pin/secure portable traffic barrier to deck at each phase line for drivers and workers safety?

Response: Refer to project plan for attachment methods.

26. **Question:** On sheet S-501, section 4 demolition detail, if existing reinforcing is exposed, the contractor would have to remove the concrete covering both the transverse as well as longitudinal reinforcing and then another 1/2" of concrete. Is this correct?

Response: The intent of the project is to not expose the reinforcement. If reinforcement is exposed, localize repairs will be required per project plans. No additional time will be allotted.

27. **Question:** If question 2 is correct, sheets GC-102 through GC-105 have allowed for approximately 1 span per calendar night for removal of existing 2" of deck. Removing of 4" of deck would double the days allowed for removal of deck. Would the contractor be given more contract days on the schedule to allow for unforeseen conditions of the exposed rebar condition?

Response: 4 inches of deck removal is not required.

28. **Question:** Substantial Completion is 150 days. The barricade item is 4 months. Should the barricade item be adjusted?

Response: No. 4 months is sufficient. The 150 calendar days is provided to include all the closeout documents at the end of the project.

29. **Question:** Substantial Completion is 150 days. Is this a calendar day or workday per week measurement?

Response: Calendar days.

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 Mia Harris, Sr. Procurement Specialist, via email at Mia.Harris@houstontx.gov.

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AO

DocuSigned by:

Cathy Vander Plaats

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Cathy Vander Plaats
Procurement Officer
Houston Airport System