Hangar 763 Improvements, EDA Grant No. 07-49-06454, Structural Improvement Package

ADDENDUM NO. 1

October 12, 2017

You are hereby notified of the following changes, clarifications and/or modifications to the original Contract Documents, Project Manual, Drawings, and/or Specifications. Acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form. Failure to acknowledge may subject Bidder to disqualification.

NOTICE INVITING BIDS

DELETE THE NOTICE INVITING BIDS, PAGE 1 AND 2 OF THE PROJECT MANUAL
- The issued document was not filled in with dates and times. The Notice Inviting Bids issued on the SBIAA website is the document to follow.

SUBMITTED QUESTIONS:

- **Question:** Does the 10’ overexcavation occur at all concrete or just the hanger door grade beam? **Response:** All areas of concrete to be removed shall have the 10’-0” of over-excavation.

- **Question:** Earth shoring is not required for the overexcavation & recompaction work since no workmen will be down in the hole. However, your soils engineer may require shoring to protect his employees if they will be down in the excavations. Do you want us to provide h-piles and lagging to shore the excavations for your soils techs? This will add several hundred thousand dollars to the project. **Response:** Shoring shall be provided as noted on detail 2/S0.1. Where there are overexcavation/recompaction questions not fully addressed, it will be the contractor’s responsibility to pay for additional soils testing.

- **Questions:** The existing door track consists of railroad track installed on support brackets and then covered with a topping slab. See pics. The drawings indicate a monolithic pour for the track grade beam. Are we to reinstall the track in the same manner as the original? If so, then the sections need to be redrawn to indicate the topping slab. If not, then the sections need to be redraw because the rails & the track supports conflict with the top mat of rebar. **Response:** Grade beam shall be poured monolithic with the rails shored in place. Keep grade beam reinforcement 1 ½” clear from the bottom of the rails.

- **Question:** If the 10’ overexcavation requirement extends to the Slab on Grade in addition to the door footing, how do you propose to support the existing grade beam during this work? If dentil excavation is required around and under this grade beam and temporary columns installed, then your contract duration is about half of what it needs to be. **Response:** Shoring shall be provided for existing grade beams and for the 10’-0” of over excavation of soils.
• **Question:** The Scope and key plan on sheet G1.0 indicate work in bays 1, 2 & 3. The key plan on A1.0 only indicates work in bays 1 & 2. All other drawings speak only of bay 2 with no notes stating that other bays are similar. Are we performing the work indicated for Bay 2 in all three bays?  
  **Response:** No, the work is only taking place on bay 2.

• **Question:** Detail 2 on sheet S 0.1 indicates 10’ of over excavation & re-compaction. The upper dimension line is arbitrarily placed in the middle of the SOG. Is the 10’ measurement from the top or bottom of the SOG?  
  **Response:** From the bottom of the slab on grade.

• **Question:** Based on the bid date, the award date could put us in the position of opening up a 13’ deep hole during the winter rains. This is particularly of concern with the potential of TCE soil contamination. When does the Authority intend to award the project and when do you anticipate issuing NTP?  
  **Response:** The award date will be at the December SBIAA Board Meeting. The anticipated start date should be in January 2018. It is the responsibility of the Contractor to protect the construction site from all weather related issues, not only rain.

• **Question:** The details on S0.2 do not indicate a thickness for the gate grade beam or the interior slab on grade adjacent. A note in the grade beam indicates that the existing grade beam to be removed is 2’-9” thick. Is the new grade beam also 2’-9” thick?  
  **Response:** Please read the details thoroughly. New grade beam thickness is provided on the details.

• **Question:** On A1.0 the Authority states that we need to have a TCE monitoring firm on-site during the demolition and concrete work. However, not mention is made of who is responsible for the removal and disposal of such contaminated soil if discovered. Is the removal and disposal of contaminated soil excluded from this contract?  
  **Response:** Monitoring is the requirement of the contractor. Any remediation or removal of contaminated soil, if required, will be negotiated as a change order. The soil remediation was completed about 15 years ago. The soils report states that when the investigation was complete, there was no TCI encountered. The requirement for TCE testing is required by the EDA Grant.

• If the 10’ overexcavation requirement extends to the Slab on Grade in addition to the door footing, how do you propose to support the existing grade beam during this work? If dentil excavation is required around and under this grade beam and temporary columns installed, then your contract duration is about half of what it needs to be.  
  **Response:** Slot cuts are typically used for excavations adjacent to existing structures in order to limit the exposure of existing foundations. If slot cut excavations are deeper than five feet they too need to be shored. **Any vertical excavation deeper than five feet in height in which workers or equipment will be down in requires shoring.** Performing the excavations by means of “slot cuts” will not eliminate this need for shoring. This is an OSHA requirement. If there is enough room to work, the 10’ remedial excavation sides may be sloped at a 1:1 (horizontal to vertical) gradient and the remaining remedial excavations and backfill can be performed. Upon completion of the remedial backfill, the 1:1 slope “wedge” would need to be excavated the
recommended 10 feet and backfilled with compacted soils (or slurry). As this excavation will be deeper than 5 feet, it needs to be shored but a wide trench shield can be used instead of soldier beams and lagging. As previously presented in my previously e-mail, it may be more construction expedient to replace the 10 foot over-ex material with a 2-sack slurry and/or CLSM material to at least five feet below the adjacent subgrade elevation.

Additional Requirements:

- **Housekeeping Requirement:** The successful contractor shall keep the immediate work area clean at all times. There will be substantial dust produced during concrete cutting and loading. The contractor will take whatever steps necessary to keep dust and dirt from migrating into the hangar interior where tenant operations will continue during this construction.

San Bernardino International Airport Authority
San Bernardino, California

By: _________________________________

Jennifer Farris, Clerk of the Board