



City of Phoenix
 OFFICE OF THE CITY ENGINEER
 DESIGN AND CONSTRUCTION PROCUREMENT
 200 West Washington Street, 6th Floor
 Phoenix, Arizona 85003-1611

**DEER VALLEY AIRPORT
 TAXIWAY BRAVO (B)3 CONNECTOR RELOCATION
 DESIGN BID BUILD
 AV31000088 FAA / ADOT**

ADDENDUM NO. 2

ISSUE DATE: May 17, 2019

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on **May 21, 2019**, are amended as follows:

CIVIL TECHNICAL SPECIFICATION:

- REPLACE: CIVIL TECHNICAL SPECIFICATION ITEM U-200 LOCATION OF UNDERGROUND UTILITIES:**
 Delete this specification in its entirety and replace with the attached revised Specification ITEM U-200 LOCATION OF UNDERGROUND UTILITIES

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the PROPOSAL P - 1

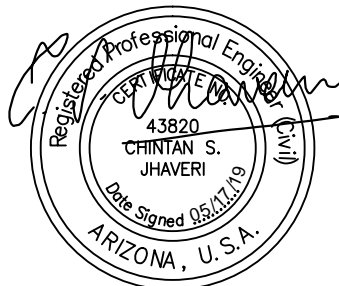
Attachment:

Item U-200 Location of Underground Utilities

*******END OF ADDENDUM NO. 2*******

Alfonso Sanchez
 Project Manager
 City of Phoenix Aviation Department

DESIGN ENGINEER'S SEAL:



EXPIRES 03-31-21

ITEM U-200 LOCATION OF UNDERGROUND UTILITIES

DESCRIPTION

200-1.1 SCOPE. This Item shall govern the field location of all underground existing utilities in areas to be improved, to avoid conflicts with proposed surface or underground improvements. Work under this section shall include designation and potholing as required on existing underground utilities. This shall include, but not be limited to, the location of electrical and communication ducts, airfield lighting and control cables, FAA NAVAID cables and environmental infrastructure. It is the intent of this specification to provide for the location of existing utilities and, by hand digging, particularly of direct burial cables and duct banks.

200-2.1 GENERAL REQUIREMENTS. The contractor is hereby advised that the location of all utilities, as shown on the Plans, may not be complete or exact. The Contractor shall satisfy himself/herself as to the exact location of the utilities by contacting all utility companies before proceeding with the work and by having a private utility locating firm locate and identify all utilities at the work site prior to any construction. The Contractor shall be responsible for any and all costs as a result of damage caused by construction activities to public / private property and utilities.

CONSTRUCTION METHODS

200-3.1 GENERAL.

a. Utilities, utility appurtenances and cables encountered by the Contractor during the construction of this project shall be protected by the Contractor as needed to permit construction and to conform to the finished grades on the project. Use of mechanical equipment of any kind to verify a utility location is expressly prohibited. The Contractor shall immediately repair any damaged utilities at his own expense.

b. Coordinate all contacts with companies maintaining utilities at the Airport through the Engineer prior to any excavation/digging. Provide the Engineer with written documentation of how utility locations were verified.

c. Continuously maintain utilities for facilities and/or systems which are or may be affected by work associated with the project. Prepare and maintain a contingency plan, approved by the Engineer, to restore to service all utilities and/or control/signal cables which may be placed out of service or damaged during performance of the work. The Contractor shall provide the Engineer, DVT Operations and FAA Sector Manager with written reports on all cable cuts.

d. Take all measures necessary to accurately locate all the routing of underground cable and utilities within project areas to be excavated, trenched or drilled. Contractor shall locate underground cables and utilities by designation, and where necessary, potholing and/or hand digging. Once located, place highly visible and durable markers along all such cable and utility route at intervals of not greater than 25 feet. The Contractor shall maintain these markers in their original location throughout the project. The Contractor shall also be responsible for providing and maintaining a field survey and plan of the marker locations and shall replace any disturbed markers at his own expense. Do not use power equipment with teeth when excavating where cables are marked. Obtain Engineer approval of proposed marking devices. Use semi-



permanent markers which are low profile, frangible and non-metallic within runway/taxiway safety areas and navigational and restricted zones.

e. Utilities located by potholing and/or hand digging shall be surveyed by the Contractor. Coordinates and elevations shall be submitted to the Engineer and marked on the Contractor maintained record drawings.

CONTRACTOR QUALITY CONTROL

200-4.1 The Contractor shall be responsible for developing and implementing a Contractor Quality Control Program including inspection and testing to assure compliance with the requirements of this section in accordance with the General Provisions Section 100.

METHOD OF MEASUREMENT

200-5.1 All items of work specified in this section will be measured as one lump sum.

BASIS OF PAYMENT

200-6.1 Payment for location of underground utilities, measured as prescribed above, shall be paid as one lump sum. Such payment shall be full compensation for furnishing all labor, equipment, tools and materials and for all designation, preparation, excavation, backfilling and placing of materials; and for all incidentals necessary.

Payment will be made under:

Item U-200-6.1 Location of Underground Utilities – per Lump Sum

END ITEM U-200

