

Remote Transmit Receive Install

Abilene, Texas

01010 SUMMARY OF WORK PART 1.00 GENERAL

These specifications, along with the accompanying drawings, describe the requirements for the construction/renovation of a decommissioned ASR-8 radar building for a Remote Transmitter and Receiver (RTR) relocation site at Abilene Regional Airport, Texas. The project scope of work includes installing four each furnished Government Furnished Material (GFM) 50 feet tall antenna towers, tower foundations, grounding, lightning protection, interior electronics preparation, electrical installation of circuits for obstruction light and GFCI receptacles, trenching, replacing and installing concrete parking (existing asphalt shall be trenched in various locations and thus overall asphalt area will be replaced with 6" thick concrete parking), installing a fiber optic manhole, completing interior renovation tile, painting and lighting repairs, small electrical improvements and repair of automatic, electric gate opener and minor improvements to a dirt road for project renovation work as indicated by the drawings.

Contractor shall furnish all plant, labor, equipment and material, supplies and transportation required to perform the work in strict accordance with the drawings and specifications.

The construction site is located at Abilene Regional Airport, Texas at a decommissioned ASR-8 building. This is an active airport and the Contractor shall comply with all procedures, rules and regulations of the airport and the City of Abilene, including limitations on equipment heights, taxiway and runway barricade requirements, traffic control, allowable work hours, and other items which will affect the contractors operations. Refer to "FAA Order 5200.5A - Airport Safety During FAA-Funded Airport Construction and FAA Facilities Maintenance. The contractor has the option and availability driving a dirt road that comes off an access road on the east side of Loop 322/Jake Roberts Freeway. This dirt road ends at the southeast edge of the security fence for the old ASR-8 site. Contractor will need to clear mesquite trees and brush as necessary in an area near the RTR east entrance gate. Mesquite trees and brush shall only be removed as necessary to provide access for construction equipment. The City of Abilene and the other owner of land adjacent to the Abilene Regional Airport property have given the FAA permission to use this access/dirt road for the construction phase. The contractor will adhere and comply with any concerns or orders if the City of Abilene or the Airport restricts or denies further use to the FAA.

The construction site is located in an area of existing facilities and users/occupants. Utilities are existing on, or adjacent to the site. Modifications of and extensions to these utilities shall be made by the Contractor as indicated on the drawings.

Site work shall consist of installation of four each 13'- 3" square concrete foundation for the FAA Government Furnished Material pre-assembled towers. Contractor shall place the GFM 50 feet self-supported towers upon foundations and secure with foundation plate/anchors. The work includes installation of four each antenna towers (GFM) with safety climbing devices, foundation, airfield obstruction lights, grounding. And electrical SW-2288 01010-1 Maintenance receptacles. Interior work consists of cable tray, 4" square ductwork, antenna coaxial demark panels, removal of old radar electrical panels, patching walls and repainting, replacing all vinyl floor tiles, replacing damaged ceiling panels, lights and exterior lights.

