

Summary Scope of Work
Construction of the Restoration of the Very High Frequency Omnidirectional Radio
Range with Tactical Air Navigation (VORTAC)
at Scholes International Airport, Galveston, Texas

Following is an abbreviated scope of work. See drawings and specifications for a complete description of work to be accomplished. Work includes but is not limited to:

1. Furnish competent surveying resources to properly layout sites and provide horizontal and vertical control.
2. Demolish the existing VORTAC facility, including:
 - Remove the existing TACAN antenna and ship it to the FAA depot in Oklahoma City. When the replacement antenna is shipped to the construction site, store it off site until the fiberglass VOR antenna shelter is erected, then install the TACAN antenna, obstruction light and exterior light.
 - Remove the existing engine/generator and associated appurtenances, and transport to a location on Hobby airport, to be coordinated with the COTR at the time of removal.
 - Remove timber piles to a depth of 1'6" below grade and abandon the remainder in place. Remove steel rod bracing and conduits, and dispose of off airport property.
 - Remove conduit and cables to a depth of 3', and abandon in place.
 - Remove and dispose of the following items: 500 gallon diesel fuel storage tank and concrete pad foundation; steel foldover mast and concrete foundation for TACAN monitor antennas; rack-mounted transformer and disconnect switch; 2 each air conditioner condensers; and wooden platform and stairs.
3. Install trench, duct, and backfill for primary power cable to be installed by the utility company, and for control and heliarc cable as noted on the drawings.
4. Furnish and install precast concrete piles and cast in place concrete pile cap per specifications. Pile cap placement must be phased to allow access for equipment required to offload and install the equipment shelter.
5. Furnish and install structural steel framing for the equipment shelter platform, signal counterpoise, and stairs as indicated on the drawings.
6. Install secondary conduit and wiring between the utility transformer and service entrance switch. The utility will install the transformer and primary wiring.
7. Furnish and install new 500 gallon diesel fuel storage tank, and related appurtenances and piping required to complete fuel line installation between the tank and equipment shelter.
8. After the equipment shelter is installed, complete installation of conduit and control cable between the VORTAC and Runway 13 Glide Slope facility, and between the shelter and TACAN monitor antenna mast.
9. Install fiberglass VOR antenna shelter (GFM) as indicated on the drawings. Provide a temporary cover for the top of the shelter until the TACAN antenna is installed.
10. Furnish and install conduit for VOR antennas as indicated on the drawings.
11. Furnish and install conduit and cabling for facility earth electrode system (EES) and associated grounding work as indicated on the drawings.
12. Install concrete foundation and 63' TACAN monitor antenna mast (GFM), and associated conduit and cabling, as indicated on the drawings.
13. Install concrete access driveway at the VOR plot, and crushed rock access roads for primary power manhole access, as indicated on the drawings. Install crushed rock surfacing per specifications, within plot limits as indicated on the drawings.
14. Furnish and install a portable davit crane as indicated on the drawings.
15. Repair all areas disturbed by construction activities, to meet or exceed conditions existing prior to construction.
16. Install and maintain erosion control measures to protect ditches and inlets.

17. Accomplish other incidental duties to accommodate site peculiar conditions. Implement and maintain a quality control plan to ensure contract compliance. Conduct all required tests and checks to verify contract compliance.