
Special Specification 6134

Dynamic Message Sign System



1. DESCRIPTION

Furnish the removal of a Dynamic Message Sign (DMS) System, as shown on the plans, as detailed in this Special Specification, and as directed.

The requirements are considered a minimum for this item. Strict compliance with these minimum requirements will not relieve the Contractor of the responsibility for adopting whatever additional provisions may be necessary to insure the successful completion of the work.

2. MATERIALS

Remove existing Dynamic Message Sign (DMS), cabinet and support structure as shown in the plans.

3. CONSTRUCTION

Present the work in a neat, professional finished appearance. Maintain safe construction practices.

Prior to disconnecting or removing any portion of the existing Dynamic Message Sign (DMS) System, the Contractor, with the State's Representative present, will fully examine the DMS System. Problems with the existing Dynamic Message Sign (DMS) System will be noted. The Contractor will not be responsible for repairing such items.

Carefully dismantle and remove the existing Dynamic Message Sign (DMS) System. The parts of the Dynamic Message Sign (DMS) System that are not deemed to be salvageable will become the property of the Contractor, verify with the Department.

Disconnect the existing power and communications cables from the existing Dynamic Message Sign (DMS) System. The existing trusses and sign support columns will be removed in a manner acceptable to the Engineer. Replace any damage to existing underground conduit or utilities. Replacement of damaged cable, underground conduit, or utilities will be done at the Contractors expense.

Remove Dynamic Message Sign (DMS) System in such a manner that it will not damage the DMS's electrical and communication systems. Compatibility with the specified DMS positioning must be maintained after the removal of the existing DMS. Compatibility of DMS positioning will include adjustments, addition of appurtenances, such as sign lights, and conduit

Cover all openings due to disconnection of conduits or other appurtenances. These coverings will be made completely water tight prior to storage.

Furnish backfill material and backfill all openings due to disconnection of conduits, or other appurtenances, from the Dynamic Message Sign (DMS) System. Backfill material must be equal in composition and density to surrounding soil.

All necessary power and communications cables will be disconnected and salvaged from the electrical service or the DMS cabinet. Cables become the property of the Contractor.

Prevent any damage to the various Dynamic Message Sign (DMS) System components. Material removed that is not deemed to be salvageable is the property of the Contractor. Dispose of removed material off of the right of way in accordance with federal, state, and local regulations.

Prior to disconnecting the cable in the cabinet or removing any portion of the existing equipment cabinet, the Contractor, with the Department present, will fully examine the existing cabinet foundation. Any problems with the existing foundation will be noted by the Contractor and the Engineer. The Contractor will not be responsible for repairing the existing cabinet foundation.

Carefully dismantle and remove the existing equipment cabinet. The equipment cabinet will become property of the Department.

Disconnect the existing power and communications cable from the existing equipment cabinet to the DMS. Disconnect the existing power circuit from the nearby electrical service. Remove and salvage the cables. Cables to become the property of the Contractor.

Remove equipment cabinet in such a manner that it will not damage the DMS's electrical and communication systems.

Remove the existing DMS cabinet concrete foundation to a depth of at least 2 ft. below finish grade with all steel cut off. Backfill excavation with material equal in composition and density to the surrounding area, and by replacing any surfacing, such as asphalt pavement, concrete riprap or brick pavers, with like material to an equivalent condition as approved by the Engineer.

Remove the existing support structure in accordance with Item 650, "Overhead Sign Supports." Remove the existing support structure drill shaft to a depth of at least 2 ft. below finish grade with all steel cut off. Backfill excavation with material equal in composition and density to the surrounding area. Work associated with the removal of the support structure and foundation to be subsidiary to this Item.

3.1.

Testing.

Pre-Test. Conduct performance testing prior to removal of the Dynamic Message Sign (DMS) System. Test all functional operations of the equipment in the presence of representatives of the Contractor and TxDOT. Ensure that both representatives sign the test report indicating that the equipment has passed or failed each function. Once removed, the equipment becomes the responsibility of the Contractor until accepted by the Department. Compare test data prior to removal and test data after installation. The performance test results after relocation must be equal to or better than the test results prior to removal. Repair or replace those components within the system which failed after relocation but which passed prior to removal.

4. MEASUREMENT

This Item will be measured by each Existing Dynamic Message Sign (DMS) System removed.

5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement," will be paid for at the unit price bid for "Remove Dynamic Message Sign (DMS) System." This price is the full compensation for all manipulations, labor, tools, equipment and incidentals.