SPECIAL SPECIFICATION

8138

Remove and Relocate Existing Weigh Station Static Scale Equipment

1. **Description.** Remove and relocate existing Weigh Station Static Scale Equipment at sites shown on plans and as specified within this specification.

2. **Remove Existing Weigh Station Static Scale Equipment.**

   A. **Materials.** Remove the following equipment at each Weigh Station Static Scale Equipment field site as shown on the plans (includes but is not limited to):

      1. Weigh Station Static Scale Cabinet including all internal components.
      2. Cabling and conduit from power source to cabinet.
      3. Cabling, conduit and connectors from Static Scale to cabinet.
      4. Weigh Station Static Scale Cabinet Foundation. Remove to 2 ft. below existing grade and backfill and repair with material to match existing area surrounding removed foundation or as approved by the Engineer.
      5. Weigh Station Static Scale components, including but not limited to load cells, cable brackets, junction boxes, weight indicating instruments, removable metal plates, stabilizer Equipment and brackets, cables, conduit, etc.

         Remove existing Static Scale concrete deck and foundation to 2 ft. below existing grade and backfill with material to match existing area surrounding concrete deck or as approved by the Engineer.

     B. **Construction.** Prior to removal of the Weigh Station Static Scale Equipment, disconnect and isolate any existing electrical power supply.

        Perform removal in strict conformance with the requirements herein stated and the lines, grades, details and dimensions shown on the plans. Completion of the work will present a neat, workmanlike, and finished appearance. Maintain safe construction practices during removal.

        Any portion of the Weigh Station Static Scale Equipment, including components, damaged or lost will be replaced by the Contractor at no cost to the Department.

        All materials not designated for reuse or retention by the State will become the property of the Contractor and be removed from the project site at the Contractor's expense.

        Store all Weigh Station Static Scale Equipment components and associated equipment removed on this project in a secure place as approved by the Engineer until time for
relocation to location shown on plans. The Contractor is fully responsible for the equipment until released by the Engineer.

3. **Relocate Existing Weigh Station Static Scale Equipment.** The following are the minimum requirements to relocate existing Weigh Station Static Scale Equipment as shown on the plans.

   A. **Materials.** Relocate the following equipment at each Weigh Station Static Scale Equipment field site shown on the plans (includes but is not limited to):

   1. Weigh Station Static Scale Cabinet with all internal components.
   2. Weigh Station Static Scale components, including but not limited to load cells, cable brackets, junction boxes, weight indicating instruments, removable metal plates, stabilizer Equipment and brackets, etc.

   Construct new Weigh Station Static Scale Cabinet Foundation for relocated Weigh Station Static Scale Cabinet to match existing foundation from which cabinet was removed. Consider foundation as subsidiary to this specification.

   Construct new Static Scale foundation as shown in plans. Provide and install new conduit between relocated components of equipment. Provide and install new power and communication cables connecting components. Conduit and cables must match existing specifications of those removed. Consider foundation, new conduit and cables as subsidiary to this specification.

   Make the relocated Weigh Station Static Scale and Cabinet fully operational.

   B. **Construction.** Perform the relocation in strict conformance with the requirements herein stated and the lines, grades, details and dimensions shown on the plans. Completion of the work will present a neat, workmanlike, and finished appearance. Maintain safe construction practices during relocation. Any portion of Weigh Station Static Scale Equipment damaged or lost will be replaced by the Contractor at his expense.

   Make all arrangements for connection to the power supply and telecommunications source including any permits required for the work to be done under the Contract. Furnish and install any required materials not provided by the power or telephone company in accordance with the plans. Provide wire for the power connection at least the minimum size indicated on the plans and insulated for 600 volts. Meet the requirements of the National Electrical Code (NEC).

4. **Testing.**

   A. **Pre-Test.** Conduct performance testing prior to removal of the equipment. Test all functional operations of the equipment in the presence of representatives of the Contractor, Department of Public Safety (DPS), and TxDOT. Ensure that all 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 State. 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.

B. **Post Test.** Testing of the Weigh Station Static Scale Equipment is for the purpose of
relieving the Contractor of maintenance of the system. The Contractor will be relieved
of the responsibility for maintenance of the system in accordance with Item 7, “Legal
Relations and Responsibilities”, after a successful test period. The Contractor will not
be required to pay for electrical energy consumed by the system.

After all Weigh Station Static Scale equipment has been installed, conduct testing as
required by the Department of Public Safety (DPS). Contact DPS for required testing
and calibration procedures.

Contractor will be responsible for reinstalling and calibrating scale to the
manufacturer’s & DPS specifications. The contractor will provide a calibrations
certificate as part of the post test.

5. **Experience Requirements.** The Contractor or subcontractor must meet the following
experience requirements prior to removal and/or relocation of Weigh Station Static Scale
Equipment.

   A. Two years continuous existence by the Contractor or the subcontractor offering services
   in the installation of Weigh Station Static Scale Equipment.

   B. Two completed Weigh Station Static Scale Equipment projects where the Contractor or
   the subcontractor's personnel installed and tested this equipment. The completed
   system installations must have been in continuous satisfactory operation for a minimum
   of 1 year.

Prior to removal and/or relocation of Weigh Station Static Scale equipment, furnish a
statement which outlines Contractor or subcontractor’s qualifications on system
installation experience. Information on system installation experience must include
specific projects, locations, and dates for beginning and completion of installation. The
statement must also include the name, telephone number, and address of a
representative of the agency or business owning the system, who will be contacted by
the Department. If requested by the State, demonstrate to the Engineer’s satisfaction a
working computerized control system with the various equipment items as described
above. Demonstrate a system similar in design to the system proposed. The
demonstration must be performed within the State of Texas. The Contractor will not
be required nor expected to pay any associated travel or living expenses of the State's
representatives to witness the demonstration. Failure to meet the above requirements
will be sufficient reason for not being approved for the removal and/or relocation of the
Weigh Station Static Scale equipment.

If any approved subcontractors fail to complete the entire project, qualification material
for other subcontractors will have to be submitted and approved before work can be
continued.

Any qualification statements which do not correctly address all specified items will be
rejected for the reason of insufficient data. Submit the statement 2 weeks prior to

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removal and/or relocation of Weigh Station Static Scale equipment to allow the Department adequate time to review and respond to the Contractor for additional information if required. Failure to submit a complete and satisfactory statement will be sufficient reason for not being approved for the removal and/or relocation work. Submit all statements required by this Special Specification to:

Christie L. Hill, P.E., Seguin Design Engineer
Texas Department of Transportation, Seguin Area Office
2028 N SH 46 - Seguin, TX 78155
Office: 830-303-0130   E-mail: clhill@dot.state.tx.us

6. Measurement. Remove and Relocate Existing Weigh Station Static Scale Equipment will be measured as each Weigh Station Static Scale Equipment with all internal and external components removed and relocated in accordance with this specification and as shown on the plans.

7. 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 and Relocate Existing Weigh Station Static Scale Equipment”. This price is full compensation for removing and relocating as shown on the plans; for testing, delivery and storage of components designated for retention or reuse; and for all foundations, conduit, materials, labor, tools, equipment, and incidentals.