

Special Specification 8037

Weigh in Motion Scale Parts (Materials Only)



1. DESCRIPTION

Furnish materials used in the installation, maintenance, and replacement of Weigh in Motion (WIM) scales specifically for International Road Dynamics models iSINC and TRS.

2. MATERIALS

- 2.1. **Compatibility.** Provide materials verified to be compatible with existing WIM scales maintained by the Department. WIM scale parts provided under this contract must be equivalent to parts currently used under existing International Road Dynamics models iSINC and TRS. Contractor must provide a letter from International Road Dynamics verifying that all part numbers supplied under this contract are compatible with existing systems on any parts considered proprietary. The Department will arrange for periodic review of parts to confirm they match part numbers provided by the Contractor.
- 2.2. **iSINC Parts.**
- 2.2.1. **Proprietary Parts.** The following categories of parts are considered proprietary: controllers, power plug, digital input output module, in road temperature sensor lead, controller modules, sensor modules, power supplies, antennas, power cables, battery cables, modems, solar panels, solar panel mounting brackets, solar regulators, and quartz piezo sensors.
- 2.2.2. **Non-Proprietary Parts.** The following categories of parts are considered non-proprietary: RJ45 communication cables and ferrules.
- 2.3. **TRS Parts.**
- 2.3.1. **Proprietary Parts.** The following categories of parts are considered proprietary: cabinet racks, CPU board assemblies, keyboard display assemblies, power supply board assemblies, input cards, mother board assemblies, battery cables, modem cables, and piezo sensors.
- 2.3.2. **Non-Proprietary Parts.** The following categories of parts are considered non-proprietary: dessicant bags and batteries.
- 2.4. **Bending Plate Parts.** All parts used in bending plate assemblies are considered proprietary. The following categories of parts are examples: weight frame anchors, bending plates with lead, lead-in cables, bending plate cables, epoxy, rubber strips, rail assemblies, shims, support rails, spring washers, frame parts and hardware, epoxy anchor kits, frame installation kits, and frame height gauges.
- 2.5. **Sensor Parts.**
- 2.5.1. **Proprietary Parts.** The following categories of parts are considered proprietary: road grout, epoxy, splice kits, loop wire spools, and loop sealant.
- 2.5.2. **Non-Proprietary Parts.** The following categories of parts are considered non-proprietary: stranded wire.
- 2.6. **Cabinets.** Cabinets are considered proprietary.

- 2.7. **Warranty.** Provide a warranty for 2 yrs. from date of installation of all non-proprietary parts. The Department will document when parts have been installed in the field. Warranty must include full replacement of any parts deemed defective within a 2 yr. period in the field.

3. **MEASUREMENT**

All items on this contract will be measured by the following units of measurement: each or foot. If the each includes a length of cable or desired quantity in a package, bid code descriptions in the contract will indicate the length or quantity per package.

4. **PAYMENT**

The materials furnished in accordance with this Item will be paid for at the unit price bid for the WIM scale material specified. This price is full compensation for furnishing and delivering materials and full replacement of non-proprietary parts within the warranty period.