ADDENDUM NO. 2
TO THE REQUEST FOR BIDS FOR
Organics Scales

The Request for Bids (RFB) documents shall be revised by additions to, deletion from and changes as stated in this addendum; insofar as original documents are in variance with this Addendum, this Addendum shall govern. Please note the following changes are hereby incorporated, with requested documents attached and available by link.

Alterations to Specs as Provided:

15-01. Technical Specifications and Product Information.

Engineering Specification
Low Profile Steel Deck Truck Scale

The following set of specifications will describe a fully electronic, low profile, modular type steel deck truck scale system, designed to be optionally mounted on an above grade pier, floating slab or pit type foundation. Scale shall be a 3-module 4-section system that is suitable for easy movement from one location to another. Bidders can propose alternatives so long as they meet the minimum specs below.

1.0 Truck Scale

1.1 The scale will be a fully electronic, low profile, steel deck design truck scale.

1.2 The scale shall have a capacity of 200,000 lb with a displayed resolution of 200,000 lb x 20 lb in accordance with NIST, Class IIIL devices.

1.3 Scale shall be a fully electronic design. The scale weighbridge will consist of factory welded modules having a total longitudinal span of 50ft and platform width of 11 ft.

1.4 The scale provided will have an unobstructed weighing surface of 50 ft in length by 11 ft with minimal profile.

1.5 The scale modules will be designed as such to eliminate use of grout plates requiring setting and leveling prior to arrival of the scale at job site.

1.6 The scale system shall be a full electronic design, with internal self-checking weigh-bridge.

1.7 No less than 5/16 in diamond checkered steel treadplate shall be supported with structural longitudinal beams, welded to top flange of beam and module end plate. Only structural wide flange beam

construction shall be allowed. Weighbridge designs utilizing junior beams or bent plate shall not be permitted.

1.9 The entire bridge assembly shall be cleaned prior to the addition of any coatings or paint to the weighbridge modules. Customer reserves the right to inspect the steel surfaces prior to application of any coatings to the prepared steel surfaces. All steel surfaces shall be free of all welding gases, residue, oil, mill scale and rust.

1.10 All non-visible steel shall be evenly spray coated with an asphalt emulsified coating or have equal protection applied.

1.11 All steel elements shall be steel shot blasted to SSPC-A-SP6 standards.

1.12 All visible steel surfaces will receive a 3-5 mill application of a high solids urethane primer and a high solids acrylic urethane or epoxy top coat to a finish of 2-3 mill thickness.

1.13 Module end plates shall be a minimum ¾ in thick, and shall be reinforced on each side with longitudinal I-beams. Load cell pockets shall be constructed of ¾ in steel plate and shall be tied to the end plates using tabs and laser cutouts. Scale modules using flat welded or bolted end boxes shall not be allowed.

1.14 The scale will be NTEP Certified and shall meet the requirements set forth by the NIST Handbook 44 for Class III-L devices. The bidder shall submit a current copy of Certificate of Conformance (COC) with bid.

1.16 Scale shall be equipped with optional gusseted bolt-on safety schedule 80 guiderails on each side of the scale A minimum of 3 bolts will be used at each gusset to attach side rail. Guiderails welded to weighbridge shall not be permitted.

2.0 Load Cells and Junction Boxes

2.2 Load cells will be of the analog type.

2.3 Systems utilizing proprietary, internal circuitry to convert analog to digital conversion of the load cell signal within the load cell shall not be permitted.

2.5 Steel conduit or Steel Flex Line will be provided within the weighbridge for load cell cable runs.

2.6 A flexible screw-type conduit or steel flex line fitting shall be provided at each load cell. Load cell cable shall be totally enclosed within permanent conduit provided within the weighbridge. Load cells using connectors of any type will not be permitted.

2.7 Load cells shall be of 4340 alloy steel nickel plated and shall be sealed with a minimum IP67 rating.

2.8 Load cells shall be non-proprietary in design, including both mechanical operation and electronic transmission of data. Manufacturers using proprietary load cell technology available from a single source will not be permitted.

2.9 Replacement load cells shall be available from a multitude of vendors nationally, and shall not be single sourced or of a proprietary design.

2.11 Scale shall be ground to Manufacturers spec of scale.

ADDENDUM NO. 2
TO THE REQUEST FOR BIDS FOR
Organics Scales

2.14 UPS Duplex Voltage regulating transformer, or equivalent.

2.15 UJB-3T6 DC Transient circuitry protection or equivalent.

2.16 Load cells shall be warranted for a minimum of five years against failure of all types, including lightning or surge voltage.

3.0 Digital Instrumentation Specifications

3.1 The scale instrument shall be a programmable indicator/controller complete with operator-friendly diagnostics.

3.2 The scale instrument shall be NTEP Certified and meet or exceed all specifications set forth by NIST Handbook 44 for Class II, III, and IIIL devices. Additionally, the instrument shall meet or exceed approvals for UL, C-UL and CE. The manufacturer, on request, shall provide a Certificate of Conformance (COC) to these standards.

3.3 The scale instrument shall be housed in an all-stainless steel 304, IP69K enclosure.

3.4 The scale instrument shall be fully programmable and configurable according to the needs of the application.

3.6 The front panel of the instrument shall have the following operational keys as standard with tactile feedback:

- Zero
- Print
- Gross/Net
- Clear
- Tare
- Decimal Point
- Units
- Numeric 0-9

3.7 The instrument shall have the following displayed operational annunciators: gross, tare, net, zero, motion and three units of measurement

3.8 The instrument shall have the ability to display both gross and net weights and the ability to recall gross or tare weights in the net mode.

3.9 The instrument shall have the ability to provide in/out, gross/tare/net calculation of individual truck weights and storage for the following information:

- Open transactions
- Tare weights
- Database report

3.10 The scale instrument shall be designed to provide noise protection for RFI, EMI and ESD.

3.11 The excitation voltage shall be 10 +/- 0.5 VDC.

3.12 The instrument shall have an automatic zero tracking feature that will be programmable and in compliance with NIST regulations.

3.13 The instrument shall be fully programmable.

3.14 The instrument shall include as standard surge voltage protection as recommended by the manufacturer

3.15 The digital instrument shall be warranted by the manufacturer for two years from date of installation.

3.16 The instrument shall have a multi-level digital filtering system for environmental noise or vibration.

3.17 Operational power input shall be 115 or 230 VAC, ±10 percent. 50/60 Hz single phase.

3.18 The instrument shall have a battery-backed feature.

3.19 A/D conversion rate shall be selectable from 7.5 Hz to 960 Hz.

3.20 The digital instrument should have web server capabilities.