



Invitation for Bid No. 2022-049

**Solid Waste Transfer Station Hydrostatic Scale
Replacement**

ADDENDUM No. 1

ISSUE DATE: February 17, 2022

Responding Bidders on this project are hereby notified that this Addendum shall be made a part of the above named IFB document.

The following items add to, modify, and/or clarify the IFB documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the IFB document.

A) Delete/Add/Replace Section

1. **Add:** Section 6.1 Scope, pg. 9

This is a replacement and given the tight construction timeframe the proposed scale and associated specification **must be interchangeable with all existing conditions.** Any and all modifications **must** be accomplished such that the new hydraulic scale is ready for use the Monday morning following weekend installation. Work **must** be completed on the weekend to limit down-time. The work shall be scheduled with Union County staff and shall be performed during the following days and time.
(Saturday after 1 PM - end of day Sunday)

2. **Delete:** Section 6 Specifications, Specification Form, General Provisions –

~~The scale foundation and concrete will be supplied and installed by _____~~

3. **Add:** Section 6 Specifications, Specification Form, General Provisions - Item #4

Union County is adding The Cardinal Guardian Armor Hydraulic Truck Scale to the list of approved scales to be considered for this project

4. **Add:** Section 6 Specifications, Specification Form. Weighbridge Specification – Low profile scale with steel deck - Item #2

Union County is adding the following to the list of approved specifications.

The construction of each scale platform module using eleven (11) W12 x 14# beams with four (4) rows of stiffeners and 1" x 12" solid end plates

5. **Add:** Section 6 Specifications, Specification Form. Weighbridge Specification – Low profile scale with steel deck - Item #3

Union County is adding the following to the list of approved specifications.

Weighbridge rated gross capacity of 135 tons

6. **Add:** Section 6 Specifications, Specification Form. Weighbridge Specification – Low profile scale with steel deck - Item #4

Union County is adding the following to the list of approved specifications.

Dual axle capacity of 50 tons (100,000) pounds.

7. **Add:** Section 6 Specifications, Specification Form. Weighbridge Specification – Low profile scale with steel deck - Item #7

Union County is adding the following to the list of approved specifications.

Standard Powder Coat

8. **Add:** Section 6 Specifications, Specification Form. Load Cell Summing Network – Item #1

Union County is adding the following to the list of approved specifications.

Digital or Analog Summing

9. **Add:** Section 6 Specifications, Specification Form. Load Cell Summing Network – Item #4

Union County is adding the following to the list of approved specifications.

Digital or Analog Summing

10. **Add:** Section 6 Specifications, Specification Form. Load Cell Summing Network – Item #6

Union County is adding the following to the list of approved specifications.

Digital or Analog Summing

11. **Attachment:** Updated Specification Form.

Addendum #1 Specification Form is attached. You must use Addendum #1 Specification Form with bid submission

B) Questions & Answers

1. **Question:** I noticed in the bid package that there was a question as to who was doing the foundation and concrete. Are you looking for a new scale to sit on the existing foundation or are you looking for a new foundation to be installed and a new scale set on this?

Answer: The newly requested scale will be installed with the existing concrete foundation intact.

2. **Question:** Who is responsible for disposal of old scale?

Answer: The old scale will need to be relocated at the successful bidder's expense to our on-site storage yard behind the C&D Landfill.

3. **Question:** Does the work need to take place on the weekend to limit down-time?

Answer: Yes, the weekend installation provisions will need to be upheld (Saturday after 1 PM - end of day Sunday). Scale must be useable at or before Monday at 6 AM.

END OF ADDENDUM No.1

Addendum #1 Specification Form.

This Form must be used with submission of bid

	Comply	Not Comply <i>(List Difference/Alternative)</i>
<p><u>General Provisions</u></p> <p>The weigh system shall consist of a full bridge truck scale, made of individual deck modules. The modules shall be nominal 20-feet or 23' long to make up the full scale length.</p> <p>Details as follows:</p>		
1) The Contractor shall provide one (1) NTEP certified Truck Scale(s) for Union County Solid Waste for installation at the Union County Landfill, 2125 Austin Chaney Road, Wingate, NC 28174.		
2) Each truck scale shall have a structural rated gross capacity of 100 tons, and have a platform dimension of _____ feet wide and _____ feet long. (10' or 11' wide, and 60'/70'/80'/93' etc. long)		
3) The scale shall be Emery Winslow Scale model H54-10070-10SD-TA (10' x 70') <u>or</u> Cardinal Scale Manufacture Guardian Armor Hydraulic Truck Scale.		
4) The Scale Manufacturer shall specify and supply an NTEP certified digital indicator, and a ticket printer.		
5) The Scale Manufacturer shall provide engineering drawings for the scale foundation and scale assembly.		
6) Materials handling equipment to lift heavy scale structures shall be provided by others.		

7) Installation, start-up and calibration shall be quoted separately.		
<u>WEIGHBRIDGE SPECIFICATION - Low profile scale with steel deck.</u>		
1) The scale shall be Emery Winslow Scale model H54-10070-10SD-TA or Cardinal Scale Manufacture Guardian Armor Hydraulic Truck Scale, and is to be installed _____ (Above-ground, or Shallow Pit). List One.		
2) Each scale platform module is to be constructed using a minimum of nine longitudinal heavy-duty wide-flange W12 x 16# I-beams. The end structure of each module shall be a heavy structural steel rectangular tube. or The construction of each scale platform module using eleven (11) W12 x 14# beams with four (4) rows of stiffeners and 1" x 12" solid end plates		
3) The scale weighbridge shall have a rated gross capacity of 100 tons. or Weighbridge rated gross capacity of 135 tons		
4) The minimum dual axle capacity shall be 45 ton (90,000 lbs.) or Duel axle capacity of 50 tons (100,000 lbs.)		
5) The weighbridge shall be free floating in 360 degrees and shall not require stay-bars, flexures, or be rigidly checked.		
6) The scale profile shall be no more than 18.25 inches, with a minimum of 6 inches of clearance		

<p>under the scale deck for cleanout. (The scale profile can be raised if more Clearance is desired).</p>		
<p>7) All exposed steel members shall be painted to surface preparation specification SSPC-SP-1, and receive one primer coat, and a finish coat of corrosion resistant Alkyd Polymer Enamel.</p> <p>Or</p> <p>Standard Powder Coat</p>		
<p>8) The weighbridges shall have removable steel covers over each individual load cell, for access to the load cells. Access plates across the full width of the scale platform are not acceptable.</p>		
<p><u>LOAD CELLS</u></p>		
<p>1) The load cells shall be Hydrostatic, and non-electronic. They will be Emery Winslow model 136-75 or approved equal.</p>		
<p>2) The load cells shall be NTEP and VCAP certified.</p>		
<p>3) The load cells shall be compression type, of minimum 75,000 lbs. rated capacity each.</p>		
<p>4) The load cells shall be manufactured primarily from series 300 stainless steel, with hardened steel load column and head parts.</p>		
<p>5) The Hydrostatic load cells shall be guaranteed for life against failure from power surges, voltage spikes, welding currents on or around the weighbridge, and lightning strikes at any time during the life of the scale.</p>		
<p>6) The load cells shall be guaranteed for life against failure from water (including high pressure water wash down), or total submersion under water for extended periods of time.</p>		
<p>7) The load cells shall be guaranteed for life against failure from rodent damage, and RFI or EMI.</p>		

8) The Hydrostatic load cells shall be electrically inert, and shall be safe without safety barriers in hazardous (explosive) environments.		
9) The Hydrostatic tubing lines from each load cell to the Summing Totalizer shall be copper (or grade 316 stainless steel) and shall be guaranteed for life against failure from water or rodents.		
10) The scale manufacturer shall certify that the model load cell being offered has been in full production by the Scale Manufacturer for a minimum of 7 years, has been NTEP certified for a minimum of 7 years and has been installed in multiple legal-for-trade truck scales of similar application for at least 7 years, in the USA. References shall be provided upon request.		
<u>LOAD CELL SUMMING NETWORK</u>		
1) The Summing Totalizer shall be Emery Winslow series 185 or approved equal. No Transducer type mechanism can be supplied. or Digital or Analog Summing		
2) The Summing Totalizer shall be located in the scale house or control room, and shall not be located underneath the weighbridge or outdoors.		
3) The Summing Totalizer shall be electrically isolated from power surges or lightning that may strike the weighbridge.		
4) Electronic summing boards may not be used in scales with fewer than 10 load cells. or Digital or Analog Summing		
5) The Scale shall be capable of using any NTEP certified digital indicator with linearization capability, without affecting the scales legal-for-trade status.		

<p>6) Each Summing Totalizer shall utilize only one electronic component. An individual transducer for each load cell in the scale is not permitted. The use of electronic summing boards is not permitted.</p> <p>or</p> <p>Digital or Analog Summing</p>		
<p><u>DIGITAL WEIGHT INDICATOR</u></p>		
<p>1) The digital weight indicator shall be NTEP certified for truck scale use with 10,000 division certification, and shall have a Nema 4X stainless steel housing.</p>		
<p>2) The digital weight indicator shall have front access to calibration functions.</p>		
<p>3) The digital weight indicator shall be equipped with output compatibility for printers and/or computers.</p>		
<p>4) The digital weight indicator shall be supplied by and be the responsibility of the scale manufacturer. Unit shall be Emery Winslow model 7600E or approved equal.</p>		
<p>5) Scale shall be capable of using any NTEP certified digital indicator with linearization capability, without affecting the scales legal-for-trade status.</p>		
<p>6) Also, a high visibility remote display with large characters (min. 6 inches) with a durable stainless steel enclosure must be provided. This weight indicator will be installed such that the loader operator can easily view the display at all times during transfer truck loading.</p>		
<p><u>WARRANTY</u></p>		
<p>1) The load cells under the scale weighbridge shall be guaranteed for the LIFE of the scale against failure from lightning, power surges, water, and rodents. The load cells shall further have a 10-year pro-rated warranty against failure from defects in material and workmanship.</p>		

2) The weighbridge shall have a 5 year minimum warranty against failure from defects in material and workmanship.		
3) The digital indicator shall be warranted for a minimum of 2 years against failure from defects in material and workmanship.		
4) The printer shall be warranted for a minimum of 2 years against failure from defects in material and workmanship.		
5) The Summing Totalizer shall be warranted for a minimum of 2 years against failure from defects in material and workmanship.		