TOWN OF GLASTONBURY

GL-2018-23

VEHICLE WEIGHING SCALE

ADDENDUM NO. 1

06-26-18

REVISED Bid Due Date: 07-17-18 @ 11:00 A.M.

The attention of bidders submitting proposals for the above-referenced project is called to the following Addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work. Bidders shall acknowledge this Addendum on the Bid Proposal Page (BP-1).

Please delete and replace the following sections from the Detailed Specifications (DS):
For the convenience of the bidders changes are underlined herein.

2.1.6. Load Cell and Controller/Junction Box Specifications.

The scale shall have a rocker column load cells. Each rocker column load cell shall have a minimum gross rated capacity of 66,000 pounds each. The load cells shall be constructed of stainless steel and shall be completely hermetically sealed to prevent moisture from entering the cell. Load cells shall be nitrogen filled to retard internal corrosion. Load cells shall meet the following specifications:

Minimum capacity: .....66,000 pounds
Design .....Rocker column
Rated Output (mV/V): .....2 ± 0.1%
NTEP Accuracy Class: .....IIIL, 10,000 divisions
Combined error (%RO): .....≤ ± 0.0200%
Temperature effect on sensitivity (%/°C): ....≤ ± 0.0166%
Excitation voltage: .....5 to 15 Volts
Zero balance (%RO): .....≤ ± 5.0%
Insulation resistance (megaohms): .....≥5000
Compensated temperature range (°C): .....–10₀ to +40₀
Operating temperature range (°C): .....–40₀ to +80₀
Safe load limit (% of Capacity): 200%
Ultimate load (% of Capacity): 300%
Load cell material: .....Stainless steel
Sealing: Hermetically sealed; cable entry sealed by glass to metal header
Protection: .....NEMA 6P/IP69K

The load cell shall be provided with a shielded, 4 conductor cable with a polyurethane jacket. Load cell cabling shall be protected by a stainless steel braided armor to protect against abrasion or rodent damage. Load cell cables must be hard wired to the load cell. "Quick disconnect" load cell cable connectors on cells or on junction boxes are not acceptable.

Load cells shall have a minimum 10 year warranty including coverage from surge or lightning damage that may occur. Vendor shall provide warranty details with submission of bid.

Load cell shall be National Type Evaluation Program (NTEP) approved and load cell output maybe either digital or DC Analog signal type as approved by the Town.

If DC Analog signal type:

PC boards shall be encapsulated in epoxy or similar material. A board that is not protected in this fashion is unacceptable. Furthermore, each encapsulated board shall be housed in a type 304 Stainless steel enclosure rated NEMA 4X. Access to the encapsulated board within the smart sectional controller enclosure shall be achieved without the use of tools. Bolts, screws or other hardware shall not be used to seal the smart sectional controller enclosure.

The scale shall have self-diagnostic capabilities able to identify load cell problems, failure, and predict failure before it occurs to prevent downtime. The diagnostics are to measure load cell counts (not weight) and will be used to determine reliability. Should a load cell fail, the instrumentation shall identify the specific load cell that has failed. All trouble shooting shall be done from within the scale house.

8. WARRANTY

The warranty on the scales load cells including damage that may occur from surge or lightning shall be a minimum of 10 years. The weighbridge shall include a five (5) year warranty. The Instrumentation and printer shall be warranted for one year. Bidder shall attach warranty information on all items to the bid response.

Note: This addendum consists of 2 pages including the above text.