

Fallon County, MT
Request for Bids
Concrete Deck Pit-Style Truck Scale

1.0 Bidding Requirements

1.1 Instructions to Bidders:

General Description: Fallon County is soliciting bids for one new truck scale at the Coral Creek Landfill located approximately 7 miles south of Baker on Coral Creek Road. The scale is to be, at minimum 80 feet long and 11 feet wide, concrete deck pit style, and installed to turnkey operability. Selected bidder will remove and dispose of the existing scale. Temporary scale facilities must be provided until new scale is operational.

Bidders must use the enclosed specification list and bid submittal form. The bidder must indicate that the scale being bid proposed meet or exceed the specifications. For any item not meeting the specifications, the bidder shall offer an explanation on a separate page.

Questions on the specifications may be addressed to Tom Kachel, Manager of Landfill Operations, 406-778-2734.

1.2 Bid Award: Fallon County reserves the right to reject any or all bids, to waive any informality in bids, to accept in whole or in part such bid or bids that are determined to be in the public interest. Award will be made on the best value offered and will consider conformity to the bid specifications, parts and service availability, lowest price, references, and delivery date.

1.3 Performance Bond: The successful bidder will be subject to a performance bond indemnifying Fallon County against default of the supplier in delivering and properly installing the scale as bid. Performance bond must be 100% of the contract amount. The bidder shall deliver the required bonds to Owner no later than 15 business days after the date of Notice of Intent to Award and no later than the date of execution of the Contract, whichever occurs first. Owner may deem the failure of the Bidder to deliver required bonds within the period of time allowed in default. Bonds shall be executed and be in force on the date of the execution of the contract.

1.4 Bid Security: Bid security shall be submitted with each bid in the amount of 10 percent (10%) of the bid amount and shall be payable to Fallon County. No bids may be withdrawn for a period of 60 days after opening of bids.

Pursuant to Montana Code Annotated (MCA) 18-1-203, the bidder shall submit one of the following:

- a) Lawful money of the United States;
- b) A cashiers check, certified check, bank money order, or bank draft, in any case drawn and issued by a federally-chartered or state-chartered bank insured by the Federal Deposit Insurance Corporation (FDIC); or

- c) A guarantee bond, or surety bond executed by a surety corporation authorized to do business in the State of Montana.

1.5 Contractor Requirements: Contractor must be duly registered with the State of Montana and provide the license number on the bid form. Contractor must maintain general and vehicle liability insurance of a minimum \$1,000,000/\$2,000,0000. Contractor must maintain workers' compensation insurance and provide an insurance certificate naming Fallon County as an additional insured for the duration of the project. Montana Prevailing Wage Rates apply.

2.0 Specification and Installation Requirements

2.1 Pre-Installation: Methane testing of the of the pit prior to installation is required.

2.2 General: The scale platforms, weight sensors, and instrumentation shall be designed and manufactured by a single manufacturer to maximize compatibility and availability of components.

2.3-2.5 Minimum Specifications-Scale:

Commercial Scale – FOB and installation at Coral Creek Landfill, South of Baker, MT:

- 2.31 Full scale capacity rating of 135 tons with a displayed resolution of 200,000 x 20 lbs in accordance with the NIST, Class IIIIL device requirement of 10,000 divisions.
- 2.32 The scale shall be NTEP Certified and meet the requirements set forth by the NIST handbook 44 for Class IIIIL devices. A current copy of the Certificate of Conformance (COC) shall e submitted with the bid.
- 2.33 The scale shall have an unobstructed weighing surface of 80' long by 11' wide.
- 2.34 The weighbridge modules shall be designed with a minimum Concentrated Load Capacity and dual tandem axle rating of 45 Tons as defined by NST.
- 2.35 Minimum calculated "r" factor of 2.65.
- 2.36 The weighbridge shall have a minimum deck thickness of 10 ¼", including the steel support substructure.
- 2.37 Span deflection ratio may not be less than 1:1,300 when legal highway loading is applied at mid-span of module.
- 2.38 The weighbridge shall have a 14" minimum elevation profile and provide a minimum underneath clearance of 3.5" between foundation floor and bottom of weighbridge or the minimum amount to meet compliance of Weights and Measures Officials
- 2.39 Weighbridge utilizing structure steel members, sized and arranged for proper strength and able to withstand the stress and loads which result vehicles enter and exit the scale. Used structure steel members are not acceptable. Any welding must meet requirements of AWS D1.1.

2.4-2.6 Other requirements:

- 2.41 Concrete deck shall be poured on site.
- 2.42 No field fabrication, assembly, or welding shall be required for installation.
- 2.43 Fully electronic design. No mechanical lever systems or hydraulic systems.

- 2.44 Flat top, orthotropic design. No tall beams extending above the surface of the deck.
- 2.45 Adjustable underneath clearance and elevation profile.
- 2.46 Indicator w/ truck in/out capabilities, ticket printing capability, remote displays of weight, and software for recording transactions
- 2.47 Easy access to appropriate systems (junction boxes & weight sensors)
- 2.48 Stainless steel must be used for all junction boxes with a NEMA 4X rating and include a removable cover with gasket that is secured with latches and a single directional membrane vent.
- 2.49 All assemblies, etc. shall be cleaned prior to the application of any coating or paint in order to remove oil, mill scale, rust, dirt, and other contaminants. The weighbridge shall be blasted to meet standard SSPC-SP6 requirements.
- 2.50 Appropriate sealing to eliminate moisture issues and corrosion on weight sensors. At minimum the weighbridge shall be protected by a two-component, high solids, urethane primer applied to a dry film thickness of 2-3 mils, followed by a two-component, acrylic polyurethane top coat applied to a dry film thickness of 2-3 mils. The painted weighbridge shall undergo elevated temperature curing to ensure optimal finish and proper paint hardness and adhesion. No additional field painting other than touch up should be required.
- 2.51 Concrete deck shall be poured on-site with a minimum cured strength of 4,000 psi at 28 days. Contractor must provide proof of cure strength. The deck shall have a minimum thickness of 5" and be supported by a steel substructure.
- 2.52 Self-aligning suspension system with base plates flush mounted to concrete piers using wedge locks or similar bolts. Minimum of four 1" x 9" anchor bolts are required per stand. Suspension system shall consist of hardened, stainless steel components allowing a free-floating platform. Suspension stands will be flush mounted to concrete piers and anchored.
- 2.53 Weighbridge substructure shall be steel consisting of I-beams with flanges 100% welded full-length to bottom steel plates.
- 2.54 Concrete and steel elements of the weighbridge shall be tied together with shear studs running across both the width and the length to ensure a composite adhesion. Minimum requirement of 640, ¾" shear studs welded to the beams of the sub-structure.
- 2.55 Grout plates or embedded items in the foundation concrete for leveling are not allowed.
- 2.56 Weighbridge shall include painted steel sheets attached to the top of the support beams to serve as a forming pan for the concrete deck. Installation shall be such to minimize penetration of the concrete below the forming pan.
- 2.57 Scale shall contain an internal self-checking system.
- 2.58 Dedicated conduit runs with rodent barriers for cabling shall be used.
- 2.59 Self-contained steel modules shall be used.
- 2.60 All interior components must be rust protected.
- 2.61 Weighbridge should be assembled in a controlled environment off-site
- 2.62 24" Manhole frame and cover to provide access to the pit beneath the scale; access to weigh bars or load cells will be from the top of the scale through steel access covers secured by stainless steel bolts.
- 2.63 Standard surge voltage and lightning protection must be provided.
- 2.64 Overload safety factor of 200% is required for weight sensors and have a minimum capacity of 75,000 lbs each.

- 2.65 Weight sensors shall be placed on heavy mounting plates provided on the weighbridge module end boxes and shall be perpendicular to traffic flow. Sensors will not be mounted to foundation piers.
- 2.66 Weight sensors shall have a minimum output at a rated capacity of 3.045 mV/V +/-1%; shall have an operating temperature range of at least -40C to +60C; and shall be designed to IP67/68 standards for ingress protection.

3.0 Required Warranties:

- 3.1 5-year warranty on weight sensors, weight bars, or load cells against failure of all types, including lightning or surge voltage
- 3.2 10-year deck/weighbridge warranty
- 3.3 Optional Warranties: Pricing and requirements for any optional warranties beyond what is required above should be listed and attached separately for consideration

4.0 General Construction:

- 4.11 Provide, install and removal a temporary scale until the commissioning of new scale. Temporary scale facility to include site prep, assembly, ramps, set up, etc.
- 4.12 Temporary scale must be at minimum 70' in length; have a self-contained foundation; fully assembled electronics; and have non-concrete/asphalt sustained approach and exit ramps
- 4.13 Demolition and disposal of existing structure
- 4.14 Concrete transportation and removal
 - * Corral Creek Landfill will accept the demolition material from removal of the existing scale at no charge
- 4.15 Excavation and site prep for both new and temporary scale
- 4.16 Pit floor forming, rebar, and concrete material, including piers to 5' minimum and must extend, at minimum 6" below frost line
- 4.17 Approach and exit slab concrete and forming
- 4.18 Installation of all necessary rebar
- 4.19 Conduit installation
- 4.20 50' of cable – deck to indicator
- 4.21 Base gravel and backfill material
- 4.22 Angle iron for new pit coping and approach slabs
- 4.23 All equipment transportation, necessary asphalt/concrete materials
- 4.24 Include all necessary galvanized steel anchor bolts, washers, & nuts
- 4.25 All labor and materials to turnkey are to be included whether specified or not
- 4.26 Non-specified items are to be of industry quality and installed to industry standard
- 4.27 Montana Prevailing Wages apply

5.0 Other Equipment Specs:

- 5.10 Remote Display with Traffic Light: 6-digit red LCD display 4.5"; red/green traffic light
- 5.11 Printer: Transaction ticket printer with Gross, Tare, Net, & Truck Identification
- 5.12 Software: Must allow complete recording of all transactions, weights, customer information, process control, and inventory records. Must be able to install on any computer via internet download. Include a minimum of 1 year of technical support in pricing. Software must run on Windows 7 or newer.

Bid proposals should clearly indicated **“Coral Creek Landfill Scale and Installation Proposal”** on the outside of the bid package. Proposals should be included on the form provided as “Bid Proposal”, proof of liability and worker’s compensation coverage will be required of the successful bidder. Additional information that is relevant to the selection of the most advantageous bidder should be included, clearly identified, and should contain only factual, verifiable data or claims.

Bids will be accepted until 3:00 p.m. MDT, Monday April 30, 2018. Bids may be mailed to Fallon County Clerk & Recorder at P.O. Box 846, Baker, MT 59313, Delivered to the Fallon County Clerk & Recorder at 10 West Fallon Ave., Baker, MT 59313 or faxed to 406-778-2048.

BID PROPOSAL

BIDDER NAME: _____

ADDRESS: _____

CITY & STATE: _____

MONTANA CONTRACTOR ID: _____ TAX ID: _____

BID PROPOSAL:

The following bid is submitted to Fallon County for one Concrete Deck, Pit Style, Truck Scale delivered and fully equipped and installed to the specifications included, or where not included, to industry standards. **All appropriate calibration, certifications, and inspections must be completed and supplied to Fallon County upon completion and prior to acceptance of the project.**

Scale bid meets or exceeds specifications: YES _____ NO, EXPLANATION ATTACHED _____

TRUCK SCALE MODEL AND MANUFACTURER PROPOSED IN BID: _____

TRUCK SCALE SUPPLIER: _____

ADDRESS: _____

CITY & STATE: _____

BID PRICING (FINAL PRICE SHOULD BE ALL INCLUSIVE):

SCALE FOB CORAL CREEK LANDFILL \$ _____

TEMPORARY SCALE \$ _____

SITE PREP & DEMOLITION & DEBRIS REMOVAL \$ _____

CONSTRUCTION OF PIT AND OTHER INSTALLATION \$ _____

SOFTWARE, WARRANTIES, TECHNICAL SUPPORT \$ _____

OTHER ITEMS NECESSARY/BONDS/MOBILIZATION \$ _____

TOTAL BID PRICE: \$ _____

TIMELINE: DELIVERY AND INSTALLATION SHALL BE COMPLETED BY: _____, 2018

*MAY BE NO LATER THAN SEPTEMBER 30, 2018

AUTHORIZED REPRESENTATIVE:

SIGNED: _____ DATE: _____

PRINTED NAME: _____ TITLE: _____