

**THE MISSISSIPPI DEPARTMENT OF AGRICULTURE AND COMMERCE
INVITATION FOR BID # 1401-16-R-IFB-00001
RFx # 3160000753**

The Mississippi Department of Agriculture and Commerce invites you to submit sealed bids for the following:

80,000 GVW Heavy-Duty 5Axle Livestock Scale Test Truck

All bids shall be received by the Mississippi Department of Agriculture and Commerce's Purchasing Department at the address below:

Mississippi Department of Agriculture and Commerce
121 North Jefferson Street
Jackson, MS 39201

All bids shall be sealed and submitted in envelope or through the MAGIC system, to reach the above address no later than the below listed date and hour, at which time they will be publicly opened, read aloud and tabulated. Bids received after the designated date and time will not be considered.

Wednesday, December 9, 2015 at 2:00 pm.

All bids shall be submitted on bid forms issued by the Mississippi Department of Agriculture and Commerce. No oral, telegraphed, telephone or facsimile modification of the bid will be considered. Stamped or facsimile signatures shall not be accepted. Original bids must be submitted typed or written in ink. **ALL BIDS MUST BE SIGNED BY SOMEONE HAVING AUTHORITY TO BIND THE BIDDER OR THEY WILL NOT BE CONSIDERED.**

Alternate bids, unless specifically requested by the Mississippi Department of Agriculture and Commerce, will not be considered.

The bidder is advised to familiarize himself with all federal, state, and local laws, rules, regulations and codes.

The Mississippi Department of Agriculture and Commerce is exempt from federal excise taxes and state and local sales or use taxes. Therefore, the bidder must quote prices, which do not include such taxes. Exemption information will be furnished upon request.

Any reference to brand names and product numbers in the bid documents is descriptive, but not restrictive, unless otherwise specified. Bids on equivalent items meeting the standards of quality thereby indicated will be considered, unless otherwise specified, providing the bid clearly describes the article offered and how it differs from the referenced brands. Unless the bidder specifies otherwise in his bid, it is understood that the bidder is offering a referenced brand item as specified in the bid documents.

The Mississippi Department of Agriculture and Commerce reserves the right to determine whether a substitute offer is equivalent to and meets the standard of quality indicated by the brand name referenced and the Mississippi Department of Agriculture and Commerce may require a bidder offering a substitute to supply additional descriptive material in order to evaluate the proposed item.

IT IS THE INTENT OF THE SPECIFICATIONS TO OBTAIN PRODUCTS THAT WILL ADEQUATELY MEET THE NEEDS OF THE USER WHILE PROMOTING THE GREATEST EXTENT OF COMPETITION THAT IS PRACTICABLE. IT IS THE RESPONSIBILITY OF THE PROSPECTIVE BIDDER TO REVIEW THE ENTIRE BID PACKET AND TO NOTIFY THE MISSISSIPPI DEPARTMENT OF AGRICULTURE AND COMMERCE IF THE SPECIFICATIONS, INSTRUCTIONS, GENERAL OR SPECIAL CONDITIONS ARE FORMULATED IN A MANNER WHICH WOULD UNNECESSARILY RESTRICT COMPETITION. ANY PROTEST OR QUESTIONS CONCERNING THE SPECIFICATIONS OR BIDDING PROCEDURES MUST BE RECEIVED BY THE MISSISSIPPI DEPARTMENT OF AGRICULTURE AND COMMERCE NOT LESS THAN 72 HOURS PRIOR TO THE TIME AND DATE SET FOR THE BID OPENING.

Questions and/or requests for clarifications may be emailed to hewitt@mdac.state.ms.us or faxed to Hewitt Pittman at (601) 354 – 6502. Inquiries by telephone will not be answered. Inquiries and/or questions must be faxed or e-mailed.

The bid shall be awarded to the lowest responsible bidder whose bid meets the requirements and criteria set forth in the Invitation for Bid. The bid shall be awarded on the basis of the lowest bottom line figure, and in the best interest of the Mississippi Department of Agriculture and Commerce and the State of Mississippi. The bid shall not be evaluated for any requirement or criterion not disclosed in the Invitation to Bid.

The award will be made on the basis of the lowest or best bid. Factors to be considered in determining the best bid include:

- Price
- Conformity
- Responsibility of Bidder
- Bidders Ability to Deliver as Per Specifications

TERMS AND CONDITIONS

The Mississippi Department of Agriculture and Commerce reserves the right to reject any and/or all bids, to waive any informality in bids, and unless otherwise specified by the bidders, to accept any items on the bid. All purchases by the Mississippi Department of Agriculture and Commerce are dependent upon availability of funds.

No bid shall be altered or amended after the specified time for opening bids.

Contracts and purchases will be made or entered into with the lowest, responsible bidder meeting the specifications.

Bid openings shall be conducted open to the public. However, they will serve only to open bids. No discussion will be entered into with any vendor/bidder as to the quality or provisions of the specifications, and no award will be made either stated or implied at the bid opening. All bidders are invited and encouraged to attend the bid opening meeting to review the submitted bids. After the close of the bid opening meeting, the bids will be considered to be in the evaluation process and will not be available for review by the bidders. Questions will not be answered as a result of telephone inquiries. A notice of award will be mailed to all bidders.

Invoices are to be mailed to: Mississippi Department of Agriculture and Commerce
Attention: Purchasing
P.O. Box 1609
Jackson, MS 39762

Payment will be made 45 (forty-five) days after receipt of merchandise (approved and accepted) and an original invoice.

Any requests concerning this invitation to bid or the bid process should be in writing addressed to:

Hewitt Pittman, Purchasing Director
Mississippi Department of Agriculture and Commerce
P.O. Box 1609
Jackson, Mississippi 39215 – 1609

OR

Hewitt Pittman, Purchasing Director
Mississippi Department of Agriculture and Commerce
121 North Jefferson Street
Jackson, Mississippi 39201

FAX NUMBER (601) 354-6502
Email Address – hewitt@mdac.state.ms.us

Office Closure Statement - If the agency is closed for any reason, including but not limited to: acts of God, strikes, lockouts, riots, acts of war, epidemics, governmental regulations superimposed after the fact, fire earthquakes, floods, or other natural disasters, (the “Force Majeure Events”), which closure prevents the opening of bids at the advertised date and time, all bids received shall be opened and on the next business day that the agency shall be open and at the previously advertised time. The new date and time of the bid opening, as determined in accordance with this paragraph, shall not be advertised, and all Vendors/Contractors, upon submission of a bid, shall be deemed to have knowledge of and shall have agreed to the provisions of this paragraph. Bids shall be received by the agency until the new date and time of the bid opening as set forth herein. The agency shall not be held responsible for the receipt of any bids for which the delivery was attempted and failed due to the closure of the agency as a

result of a Force Majeure Event. Each Vendor//Contractor shall be required to ensure the delivery and receipt of its bid by the agency prior to the new date and time of the bid opening.

Representation Regarding Contingency Fees - The bidder represents that it has not retained a person to solicit or secure a state contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except as disclosed in the bidder's bid or proposal.

Representation Regarding Gratuities - The bidder represents that it has not violated, is not violating, and promises that it will not violate the prohibition against gratuities set forth in Section 7-204 (Gratuities) of the Mississippi Personal Service Contract Procurement Regulations.

Certification of Independent Price Determination - By submitting a bid, the bidder thereby certifies that the prices submitted in response to the solicitation have been arrived at independently and without any consultation, communication or agreement with any other bidder or competitor relating to his prices or bid.

Bidders must notate and reference the numbers associated with the specifications for the 80,000 GVW Livestock Scale Test Truck on their bid for evaluation. Failure to do so may disqualify the bidder.

**MISSISSIPPI DEPARTMENT OF AGRICULTURE AND COMMERCE
INVITATION FOR BID # 1401-16-R-IFB-00001
RFx # 3160000753**

80,000 GVW Heavy-Duty 5Axle Livestock Scale Test Truck

Sealed bids or MAGIC system submissions must be received by the Mississippi Department of Agriculture and Commerce at the address set forth on page 1 of the invitation for bid no later than:

Wednesday, December 9, 2015 at 2:00 pm.

**THE MISSISSIPPI DEPARTMENT OF AGRICULTURE AND COMMERCE
RESERVES THE RIGHT TO REJECT ANY/OR ALL BIDS.**

Bid price shall be effective for at least six (6) months.

Length of Time Frame of Pricing _____

**** ALL BIDS MUST BE SIGNED BY PERSON WITH AUTHORITY TO BIND
COMPANY.**

TRUCK CHASIS _____

TRUCK BODY _____

TOTAL AMOUNT _____

NAME OF COMPANY _____

COMPLETE ADDRESS _____

CONTACT PERSON _____

TELEPHONE NUMBER _____

FAX NUMBER _____

E-MAIL _____

SIGNATURE OF BIDDER _____

Mississippi Department of Agriculture and Commerce
Specifications for

80,000 GVW Heavy-Duty 5-Axle Livestock Scale Test Truck

Chassis Specs

Engine:

Heavy Duty 6 Cylinder Diesel

- 1 450 or greater HP w/1700 lbs./ft. 1650@1000
- 2 2010 EPA Certification Requirement or newest EPA Certification
- 3 SCR Technology Only. Must Include DEF system
- 4 Electronic Engine Shutdown Protection System
- 5 CARB Idle Emissions Reduction Feature
- 6 Engine monitoring protection system
- 7 **Minimum Engine Warranty: 2 Years / 250,000 Miles**
- 8 12.0 or greater Liter Engine
- 9 9 ½ or greater DEF TANK
- 10 Fuel filter/water separator
- 11 Engine Exhaust Brake. Quiet type.
- 12 Bosch 200amp, brush type
- 13 Batteries (4) GP31 Threaded post 700@2800
- 14 18.7 or greater CFM AIR COMP.
- 15 Extended Life Coolant Hoses
- 16 RH Mounted After treatment Device with Horizontal Exhaust
- 17 Automatic Over the Road Regeneration Feature
- 18 1440 Square inches or greater cooling Module (Radiator)
- 19 Power Steering with 2 Quart Cooling Reservoir
- 20 Air cleaner Power core engine mount 10 in.
- 21 Block heater 120V 1500W w/plug under cab
- 22 Jump start terminals
- 23 Fan Hub 2-speed
- 24 12 volt electrical system
- 25 All Wiring color coded and numbered
- 26 Low-voltage disconnect day cab
- 27 Multi-function engine connector for body builder
- 28 SRC 4yr/500,000 Engine Warranty /After treatment system.
- 29 Heater/ac system 3yr/400,000 warranty
- 30 **Transmission: Minimum 3 year 300,000 Warranty**
- 31 **Allison 4500 RDS series/with PTO conversion**
- 32 Heavy Duty Driveline: 3SPL250XL; 2 CENTERBEARING

33 The unit must have PTO Chelsea#277XBFJPB5XK factory installed with the engine idle shut off disabled

34 Aluminum clutch housing replacing cast iron.

Front Axle:

35 Meritor FL941 Front Axle rated 20K

36 20K Taper leaf 20K w/shock absorbers

37 Front Brakes Bendix RSD-Compliant HP-ES-S-Cam

38 Front low maintenance hub package 14,6 to20k

39 Dual power steering gears:20k M100P

40 Power Steering Cooler: Radiator mounted air to air.

41 16.5" x 6" Q+ Brake shoes and automatic slack adjusters

Rear Axle:

42 Dual Meritor RT46-160 rear axle rated at 46k

43 3.58 Ratio

44 46k Tandem Air Ride Suspension

45 Inter axle driveline 1SPL170XL (For Heavy Duty)

46 Heavy Duty Drive line SPL250XL (For Heavy Duty)

47 Rear Brakes, Bendix RSD-Compliant HP-ES S-Cam

48 Spring Brake : 3030 high output dual

49 ABS-controlled installed steerable

50 Driver Controlled Differential Lock (Cross lock)

51 Locking tag kit: required w/ multiple axles.

52 16.5 x 7" Q+ Brake shoes and automatic slack adjusters

Pusher/Tag Equipment:

53 (1) Pusher and (1) Tag 13,200 lb. each airlift steerable axle suspensions

54 (1) Pusher and (1) Tag 13,200 lb. Axles integral w/suspension.

Brake Package:

55 Bendix 6S/6M anti-lock brake system w/air

56 Air Dryer Bendix AD-IS Extended Purge Heated

57 Air with Anti-Lock Braking System

Frame and Wheelbase:

58 268" with BOC 303" TO End of Frame.

59 Two (2) Front Tow Hooks frame mounted

60 Frame 11-5/8 x 3-7/8 x 3/8in. Steel with full steel insert

61 Full steel Insert: for 11-5/8in. Steel rail

62 Huck bolts throughout frame, where possible

63 Square end of frame w/cross member: non-towing

64 Front mud flaps

65 Rear mud flap arms: Betts B-25 standard-duty

66 Bumper Straight Aluminum Channel

Fuel Tanks and Equipment:

67 Two (2)100 gallon tanks; LH/RH Aluminum

- 68 Battery box module; Short length Aluminum
- 69 Mechanical anti-roll channel for two tanks
- 70 Anti-siphon swaged in place.

Tires/Wheels:

- 71 One (1) steerable pusher 13.2k
- 72 295/75R Tires
- 73 One (1) steerable Tag 13.2k
- 74 295/75R Tires
- 75 Front Tires 425/65R22.5
- 76 Rear Tires 11R22.5
- 77 60" Axle Space
- 78 Hand Steel Rims or Polished Aluminum wheels

Heavy Duty Non-Automotive Type 120" BBC

- 79 CAB: Type 120" BBC or greater for additional cab space
- 80 Steering wheel
- 81 Rubber wheel well fenders extension
- 82 Adjustable telescoping tilt steering column
- 83 **PTO air control: On dash w/indicator light**
- 84 Two spare switches: Wired to Power
- 85 Gauge: Manifold pressure gauge
- 86 Gauge; Oil temperature gauge transmission
- 87 Driver Information Center: Includes fuel
- 88 Instrument package :Includes speedometer
- 89 Interior color : Slate Gray w/trim Dark Slate Gray
- 90 Driver seat Air cushion Premium Plus HB w/Armrest
- 91 Rider seat: Air cushion Premium Plus HB w/Armrest
- 92 Cruise Control
- 93 AM/FM/WB/CD/USB/ Bluetooth
- 94 Locate CB antenna LH
- 95 Solid post antenna: Mounted on LH cowl or cab mounted antenna.
- 96 Low Air Pressure Warning w/ Light and Buzzer
- 97 CB Radio provision in roof/overhead console.
- 98 Under dash center console: Includes one cup holder
- 99 Non self-cancelling turn signal; W/column-mounted
- 100 Steel or Aluminum Cab (Aluminum Preferred)
- 101 Bulkhead doors
- 102 Single air horn under cab
- 103 Single convex mirror 8-1/2in.x 4-7/16in
- 104 Dual convex mirror 8 in. fender mounted
- 105 Mirror: Dual Moto heated mirrors 7in.x16in. LH&RH Powered Mirrors
- 106 Mirror brackets 8-1/2' load width

- 107 Rear cab stationary window 17 in. x 36in
- 108 Electric LH & RH door locks
- 109 Electric LH & RH door window lifts
- 110 Rubber floor mats instead of carpet floor mats
- 111 Vinyl flooring required
- 112 One -piece windshield, w/curved glass
- 113 Exterior aerodynamic sun visor w/integral marker
- 114 Air Ride Cab
- 115 QUIET CAB PACKAGE

Lights & Instruments:

- 116 Headlamps ; extended life
- 117 Marker Lights: Five aerodynamic mounted
- 118 Turn Signal Lights
- 119 Floodlight Location Located high- first set
- 120 LED Stop /Turn/Tail- Flange Mounted
- 121 Markers Lights Interrupter Switch
- 122 Dual Flush Floodlights : First set
- 123 Circuit Breakers: Replacing Fuses
- 124 Electric Backup Alarm: Meets SAE J994 & OSHA
- 125 Circuit Breakers: Replacing Fuses
- 126 Triangle reflector kit consists of 3
- 127 One 5lb dry chemical type fire extinguisher

Air Equipment:

- 128 Moisture ejection valve: Midland automatic
- 129 Nylon air tubing in frame & cab, excluding hoses

Color:

- 130 Silver Base coat/Clear coat
- 131 Black Frame

General:

- 132 Must provide Parts/Warranty/Service Statewide
- 133 List on separate sheet: Address of Certified Parts/Service Locations
- 134 Must provide on-site driver training for Chassis and Body
- 135 F.O.B Point is MS Dept. of Agriculture & Commerce Jackson, MS

Body Specifications

6,000 LB. Capacity Boom Assembly and Van Body

A full hydraulic lifting, lowering and traversing crane, that is operated by an air shift power take off unit running a hydraulic pump that provides power to two hydraulic motors. The in and out hydraulic motor has a pilot check valve that controls movement prohibiting unwanted travel. The up/down motor operates a double link chain two point pick up assembly. This motor has a pressure release, spring applied, and a fail-safe brake system that locks equipment in any position that the operator requires. The hydraulic fluid reservoir is located on the outside of the van body to allow for cooling and eliminate the possibility of tank overflow on floor surface. (Note: all chains associated with the lift assembly must be hardened steel.)

Boom System is to be totally independent from the van body. Crane to be supported by six (6) each 3" x 3" steel support posts, supporting 8" channel runways. These posts have welded cross supports and are to be welded to the load floor plates that are welded to the cross members. Hand held, control handle with a flexible cable and redundant back up system.

Van body to be (24) twenty four feet long, Width of van body is 102", the required BOC (Back of Cab) to ROF (Rear of Frame) is 303", to accommodate twelve 1,000 lb. test weights, twenty 500 lb. test weights, ten 50 lb. test weights, a 1,000 lb. weight mover, and a 5,000 lb. test cart. Body constructed of fiberglass reinforced plywood with two rear swing open doors and double bar latches on each door, drivers side front door with pull out steps. Note: the overall height is not to exceed 13'. Hardware is proven galvanized.

Metal tread plate flooring, welded to 12" spaced cross members, except at rear of load supporting area and these are on 6" centers. Rear controlled interior lights, flood lights for nighttime use and grab handles at all doors.

Vehicle Body must meet all D.O.T. regulations, including rear bumper with built in steps, all lighting, mud and debris flaps.

Spreader bar is to be engineered to perform the following: load and unload the test cart; 1,000 lb. weight mover; all test weights; 50 lb. weight basket; and separate the weights when located on the ground for livestock testing.

Test Cart and the motorized weight mover retainer system must be built to position and secure devices. This retainer has wheel chocks, a front hold down (operated

from rear of unit) and a rear ratchet binder, for total security. The 1,000 lb. weight mover is secured with one floor mounted ratchet binder.

Unit is to be engineered to work with customer's existing 22,500 lbs. test weights, 1,000 lb. weight mover and 5,000 lb. test cart.

1,000 lb. Weight Dimensions: 15" Wide; 15.5" Deep; 19" Tall. 500 lb. weight dimensions: 11.5" Wide; 12" Deep; 16" Tall. 50 lb. weight dimensions: 8" Wide; 5.5" Deep; 6.25" Tall.

The 1,000 lb. weight mover shall be stored in front of the main weight box. It shall be loaded and unloaded by the main hydraulic boom system without unloading the test weights.

A weight box will be required to hold the 50 lb. test weights. The weight box shall be designed to be loaded and unloaded by the main hydraulic boom system.

The portion of the weight box storing the 500 lb. test weights shall provide spacers to keep them separated during transit.

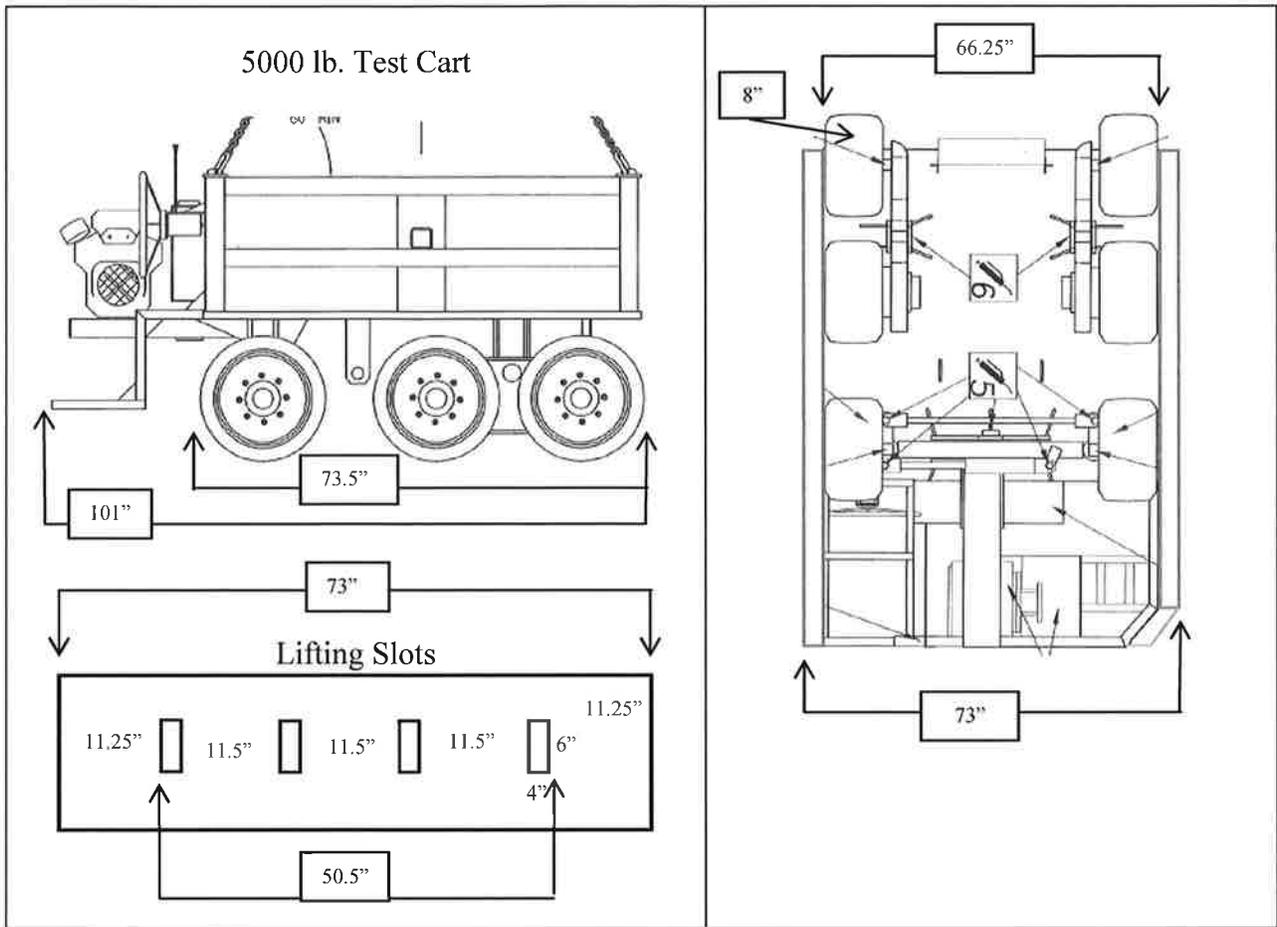
Two (2) each 36" x 18" outside mounted locking equipment boxes with the same quality as Rawson Koenig, mounted in the van body in such a manner not to obstruct 1,000 lb. weight mover and /or crane system.

1,000 lb. Test Cart Specs

The stored dimensions are 48" L x 33" W x 51" H. The lift point is 40.5" from the floor. The weight is 900 pounds.

5,000 lb. Test Cart Specs

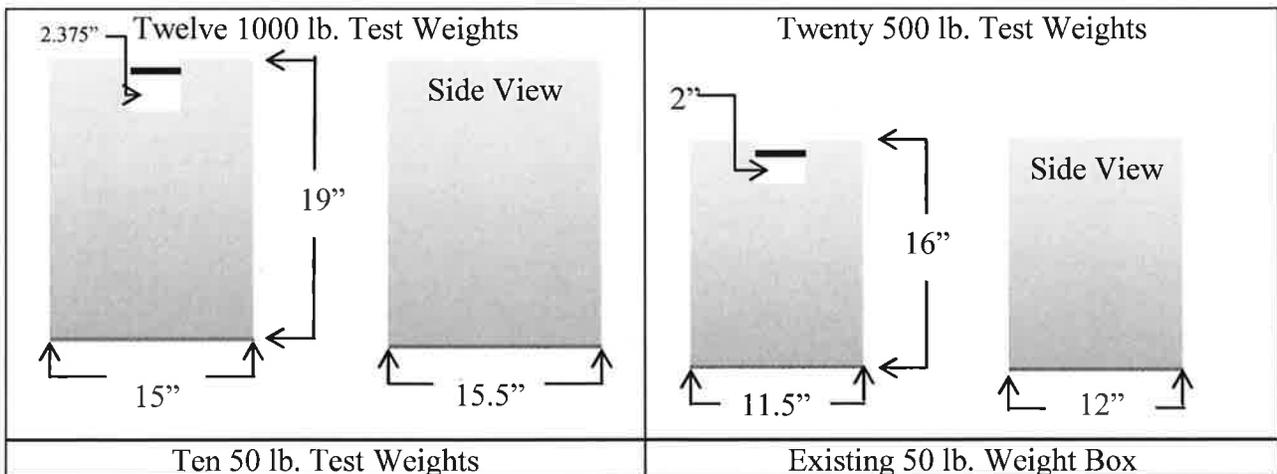
The test cart is a Tiffin Model C-5000. The cart is lifted via 4 slots cut into the floor. The floor is 1-1/8" thick steel plate.

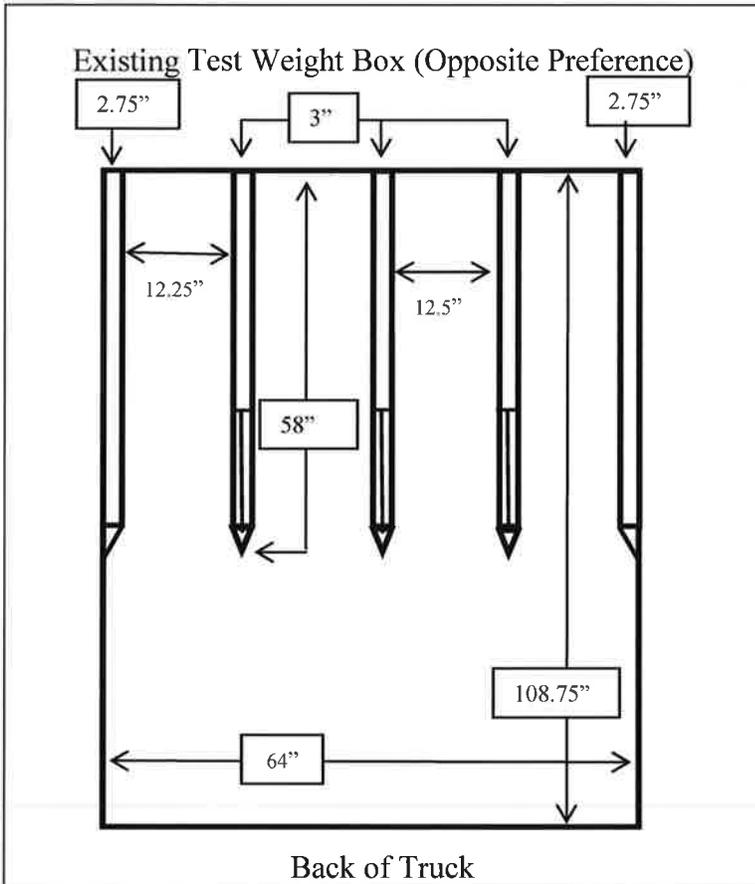
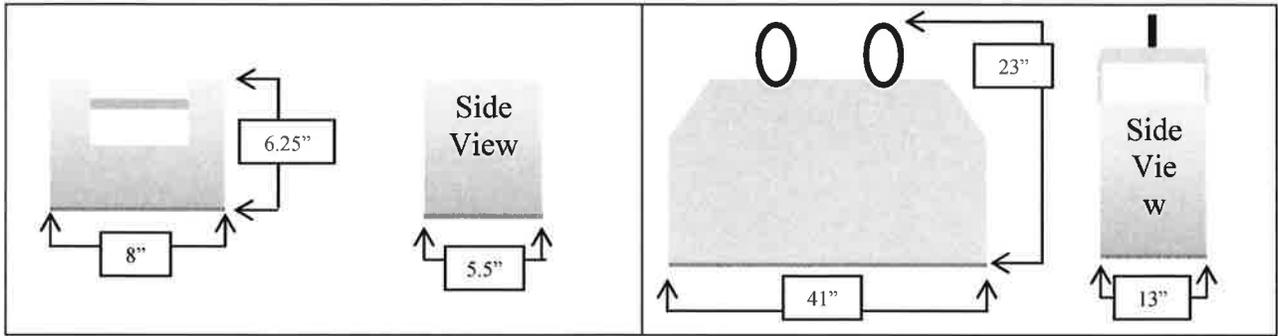


Test Weight Specs

The twelve 1,000 lb. test weights are arranged in three (3) rows, with four (4) weights per row.

The twenty (20) five hundred (500) pound test weights are arranged in five (5) rows, with four (4) weights per row. There is a 4" open space between each weight in the row.





Photos of Existing Equipment







