

SPECIFICATIONS

M-10-FC-L-ZZ

004500

DRILL - SOILS/CORE - TRAILER MOUNTED - LIGHT WEIGHT

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I. GENERAL SPECIFICATIONS:

A. INTENT STATEMENT:

Pennsylvania Department of General Services, PCID No. 1075, "*General Requirements for Bidding PENNDOT Vehicles/Equipment*", most current version effective at the time and date of bid opening, is included as a part of this specification. PCID No. 1075 may be reviewed and downloaded from the Department of General Services website, <http://www.dgs.state.pa.us>. Delivery as required per Department of General Service PCID NO. 1075 Section "G". All units must be delivered within **120** days after receipt of the purchase order by the successful bidder. Awarded OEM vendor shall be responsible for contacting the Specification Section of the Fleet Management Division at (717) 787-1567 to set up a pre-build meeting for all chassis and body mounting component locations prior to chassis build. Any deviations to the specification must be granted in writing by the Chief of the Specification Section. It shall be understood that any discrepancies/deviations between the specification and the completed unit(s), chassis or body up-fitter related, must be addressed and corrected prior to the delivery deadline and the Departments acceptances. Unit shall be delivered with current PA state Inspection (if applicable) and a full tank of fuel (if applicable).

The purpose of these specifications is to describe a hand feed light weight Pavement Testing Core drill, trailer mounted.

Manufactures standard with the following exception, Reference KOR-IT Model K-160.

It is understood that the components specified are minimum and if the manufacturer's Engineering Department recommends or deems necessary, due to their particular weight distribution, a larger component or a larger GAWR totally, the burden of responsibility is hereby placed upon the Manufacturer's Engineering Department to supply a unit that is totally engineered.

Trailers must be delivered at ground level (stacking is unacceptable).

B. COMPONENTS:

1. Engine - Power Unit
 - a. One-cylinder, air-cooled, gasoline powered engine.
 - b. Minimum 6.0 horsepower.
2. Transmission sliding gear.
3. Drill Head
 - a. Hand feed.
 - b. Carriage travel positioner, minimum 24-inch travel.
4. Water Pump: 12 VDC pump.
5. Controls
 - a. Recoil Starter
 - b. Cut-off, Stop Switch
 - c. Throttle

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I. GENERAL SPECIFICATIONS (Continued)

B. COMPONENTS: (Continued)

6. Safety/General

- a. All driving/rotating units shall be shielded by means of guards.
- b. All moving parts will have provisions for lubrication.
- c. Chocks will be provided and shall have provisions for storage.
- d. Tool /storage box shall be aluminum with weather seal and lockable.
- e. Water tank - 60 GAL.
- f. All areas likely to be step /climbed/walked upon, shall be furnished with non-skid paint, non-skid tape will not be accepted. Steps shall have a serrated edge.
- g. All safety hazards and a detailed sequence for the operator shall be legibly posted.
- h. Labeled, 1/2-GAL fuel tank, minimum.
- i. All necessary tools to change drill bits, remove cores and to accomplish other functions of the drilling operation shall be included.

7. Trailer

- a. Single axle - minimum capacity 3,000 LB.
- b. Folding dolly wheel, or screw type jack, center mounted.
- c. Ball type hitch, 2-inch.
- d. Wheel chocks with holder. REF. EQN-82C
- e. Full fenders with wheel coverage within 22.5 degrees of road surface.
- f. A full-size spare tire and rim shall be mounted in a tire rack with a lock.
- g. Leveling jacks, two (2), minimum, screw type with jack pads. Leveling jacks shall be independently operated.
- h. Trailer power cord with plug shall be hard wired into a weatherproof box, and of adequate length to reach towing vehicle.
- i. Two (2) safety chains with locking hook adequate to reach towing vehicle when crossed as per state law. Trailer Safety Chains - **Each chain** and **clevis** shall have a minimum breaking strength rated equal to or above the GVWR.
- j. All lighting shall be LED and consist of combination stop, tail, directional. There shall be a rear license plate bracket with light. All lights shall comply with Commonwealth and Federal Motor Vehicle Standards. **3M Scotchlok type connections will not be accepted.**
- k. Lug wrench shall be provided and stored in toolbox.
- l. Shall be capable of being towed at highway speeds.

A metal identification tag stating manufacturer's information, model number, serial number and date of build shall be mounted within the tongue area.

8. Paint

Trailer shall be painted with manufactures standard "Safety YELLOW" paint. Ref. PENNDOT yellow: DuPont F9885, PPG 85246, Sherwin Williams 73266, NAPA 73266 and Sikkens 4017 for shade only. Drill components can be OEM standard paint. All metal surfaces shall be ground to eliminate sharp edges and cleaned prior to primer and final painting. Trailer shall have conspicuity tape applied, Ref. EQN-127A.

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II. DRAWINGS:

EQN-82C Dated 7-22-15 1 sheet CHOCK & HOLDER

III. MANUALS:

The successful vendor shall furnish all applicable manuals per unit:

- 1 Operator's
- 1 Parts
- 1 Service
- 1 Engine
- 1 Transmission (Automatic or Manual)
- 1 Body and Sub-frame (Parts and Service)
- 1 Complete set of manuals for any additional items/equipment added to a piece of equipment.

The manuals listed shall be official O.E.M. publications supplemented with technical manuals for all components as published by sub-vendors/manufacturers.

Parts Manual presented must be a relative to "all" items utilized to build these units, with appropriate part numbers.

All manuals shall be supplied on thumb drive in PDF format that can be loaded to a dedicated website. Paper manuals may be supplied if available from manufacture. Paper manuals do not relieve the requirement for the thumb drives.

Delivery of manuals shall be completed with the delivery of each unit.

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IV, TRAINING:

Mechanic:

The successful vendor shall provide services of qualified factory trained technicians for not more than ___0___ training sessions of not more than ___0___ hours at ___0___ PENNDOT locations to train personnel for in-depth preventive maintenance, overhaul and review of the proper usage of parts and service manuals, as well as component/system adjustments that need to be monitored at specified service intervals.

Operator:

The successful vendor shall provide services of qualified factory trained technicians for not more than ___0___ training sessions of not more than ___0___ hours at ___0___ PENNDOT locations to train personnel in the proper operation, safety and servicing of the equipment.

The successful vendor shall submit a training plan to the Equipment Division for approval within 45 days after receipt of the Purchase Order. The training plan shall consist of course outline and class schedule.

All training must be completed within 60 days after the dates established in the approved training plan unless an extension is mutually agreed to in writing by the Chief of the Equipment Division.

All training shall be coordinated with the District Equipment Managers, with the exception of Asphalt related training, which must be coordinated with the Statewide Training Coordinator (717) 787-4836, Fax (717) 783-4438.

V. WARRANTY:

Per PCID No. 1075

1 year starting from the Department's in-service date.

The warranty start-up date shall be defined as the date of transfer from the PennDOT Fleet Management Division to the designated county location.

This will be considered the date of delivery to the county and NOT the date of delivery by the successful bidder to the Department.

The PennDOT Fleet Management will supply the actual start-up date, equipment number, and serial number of the machine, via email, to the successful bidder.

It is the responsibility of the successful bidder to ensure that the equipment manufacturer recognizes and applies the Department's actual warranty start-up date in their database.

This warranty is in effect as follows, starting from the date that the vehicle is placed into service by the Department. Warranty shall not be voided due to Department operation as explained in the Intent Statement. It is understood that the components specified are minimum and if the manufacturer's Engineering Department recommends or deems necessary a more robust component, other than specified, be installed to meet the vehicles intent statement and to not void the warranty, it shall be the bidders/vendor's responsibility.

Warranty on all parts will be for minimum one (1) calendar year or manufacturer's standard commercial term (whichever is greater), from date of departments acceptance. If the manufacturer neglects or fails to correct defect(s) during the warranty period, their responsibility shall continue until such time as it takes to correct the defect(s). The manufacturer is expected to respond to warranty problems and administrate effective solutions in the best interest of the Commonwealth.