

SPECIFICATIONS

Side Shift Post Driver/Puller, Skid Steer Attachment

014835

NE3

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September 14, 2017 GAW

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I. GENERAL UNIT SPECIFICATIONS:

A. INTENT STATEMENT:

NOTE: 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 at ground level within **120** days after receipt of the purchase order by the successful bidder.

The purpose of these specifications is to describe a skid steer attached falling hammer style post driver/puller with the ability to offset a minimum of 60 inch from center line of power unit. Unit shall have the ability to drive both strong and weak guide rail post with the same strike plate inline and perpendicular to the power unit.

The unit shall meet this specification, be a current production model, new and complete. The unit shall be complete (less skid steer) with all equipment required for immediate operation to function as listed and the unit must meet all applicable codes and standards.

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.

It shall be the sole responsibility of the successful vendor to ensure compatibility with the Department's skid steer. The vendor shall, prior to bid, inspect the Department's skid steer to ensure this compatibility. For model of skid steer and or location contact the Fleet Management Division at 717-783-2371.

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

Each unit shall bear the manufacturer's model number, serial number and date of manufacture with a non-rusting metal tag, properly affixed.

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I. GENERAL UNIT SPECIFICATIONS: (Continued)

B. POWERTRAIN OVERVIEW:

Referenced skid steer minimum 2100 LBS. Rated Operating Weight.

C. POST DRIVER COMPONENTS:

Manufactures standard falling hammer style post driver with the following exceptions:

Ref. Danuser Machine SM40 w/tilt & Offset

Hydraulic side shift minimum 60 inch from center of skid steer attachment mount.

Hydraulic tilt left to right from center minimum 20 degrees.

All controls, including activation and deactivation of post driver shall be from power unit operator seat.

Hammer weight minimum 300 pound and adjustable up to a maximum of 500-pound weight to yield a minimum impact energy 1000ft/lbs., minimum 35 strokes per minute.

Strike plate, one piece and shall drive both strong and weak guide rail post with the same strike plate inline and perpendicular to the power unit without post twisting.

With use of power unit boom, post driver shall be capable of driving ten (10) feet post to a minimum of one (1) feet to ground surface.

Post puller bracket shall be center line mounted, and accept a 0.375 diameter chain.

Unit shall be capable free standing, when disconnected from power unit.

Post pounder shall have a minimum two (2) D-rings or loops to permit pass through of a minimum 0.375 diameter transport chain with hooks.

D. Safety

Entry and exit steps must be provided with a serrated outer edge and designed for "Three Points of Contact" to the operator cab.

Attachment shall have a permanent label on rear of hammer tower alerting operator of "**LOW FLOW ONLY**" hydraulic attachment.

Standard Safety decals displayed on the attachment.

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II. MANUALS:

The successful vendor shall furnish all applicable manuals per unit:

- 1 Operator's
- 1 Parts
- 1 Service
- 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 relative to "all" items utilized to build this unit(s), with appropriate part numbers.

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

Manuals shall also be supplied on CD Disc.

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III. TRAINING:Mechanic:

The successful vendor shall provide services of qualified factory trained technicians for not more than 1 training sessions of not more than 2.0 hours at 1 PennDOT locations to train personnel 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 1 training sessions of not more than 2.0 hours at 1 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 Fleet Management 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 Fleet Management 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.

IV. WARRANTY: Per PCID No. 1075

Warranty period shall begin with the date the receiving county takes possession of the completed unit.