

**SPECIFICATION 029920 HYDRO SEEDER, PORTABLE**

**Manufacturers standard hydro seeder shall be supplied utilizing the following code.**

**029920 - Hydro Seeder, Portable, Trailer Mounted, 900 Gallon Capacity minimum, 25 Engine Horsepower minimum.**

May 18, 2018

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. All units must be delivered within **150** 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.

Intent Statement

The purpose of these specifications is to describe a self-contained trailer mounted hydro seeder, with a 12,000-minimum payload capacity rated at 65 MPH. Overall width shall not exceed 96 inch. Reference: Epic Manufacturing model L90.

**The following additional items shall be supplied**

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

A metal identification tag stating, "(MLWR) Trailers actual load carrying capacity is \_\_\_\_\_" shall be posted on the trailer in minimum 1 inch lettering.

1. A color chip of the OEM factory color shall be provided with pricing.

Mandatory: Bidder must provide optional pricing for having unit bid to be painted PennDOT yellow. Ref: DUPONT F9885, PPG 85246, Sherwin Williams 73266, NAPA 73266 and Sikkens 4017 shade only.

Comments:

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2. 25 HP minimum gasoline engine.

Comments:

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3. Centrifugal pump sized to meet specification requirement.

Comments:

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4. Grab Handles and Platform (Area designed to be walked or climbed upon) shall be coated with anti-skid paint. (Tape is not acceptable) All ladder(s) and steps shall be built for "THREE POINTS OF CONTACT". Ladder steps shall be built with a serrated edge.

Comments:

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5. Unit shall be equipped with jet agitation.

Comments:

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6. Unit shall be equipped with a tower platform, hydro gun and bale chute. Hydro gun shall be capable of spraying 125 feet minimum. 3 nozzles, 1 straight and 2 fan shall be supplied. Shall be equipped with safety railings. Tower platform deck shall have anti-slip surface, anti-slip tape will not be accepted.

Comments:

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7. Unit shall have wheels properly sized within all requirements and ranges to meet the specification. Wheels shall be a hub piloted, one piece design.

Note: UTG / Donut type wheels (type used in the mobile home industry) are not acceptable.

Comments:

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8. Shall have tandem axles equipped with surge brakes. Axles shall be properly sized to handle weight requirements. Trailers that are to be equipped with surge brakes shall rely on a mechanical braking system, the use of electrical connections such as solenoids or dump valves will not be accepted. The axle brake shoes must be "FREE BACKING" type.

Comments:

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9. Electrical lighting per Federal and State regulations for stop, turn and tail lights. All Lights shall be LED. Seven-wire trailer wire and plug connector (7 round pin) set to extend to front of hitch inside protective conduit as per ATA wiring sequence. Cable shall extend 4 feet beyond Lunette eye. Truck-Lite Model# 36140C LED license plate light with light bracket PN# 36710 installed. Ref: EQN-80B.

Comments:

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10. There shall be a Cole Hersee Part #11750 or equal stor-a-way trailer connector plug holder located in the tongue area. Ref: EQN-80B.

Comments:

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11. Hitch height: Adjustable hitch to facilitate towing in horizontal position. With variable truck hitch height level(s), vertical positions (18 inch – 28 inch). Approximate delivered hitch height 28 inch. Ref. EQN- 84. Shall be equipped with a 3-inch Lunette eye hitch. Each safety chain and hook shall have a breaking strength equal to or above the GVWR.

Comments:

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12. Shall have a poly tank, 900-gallon minimum.

Comments:

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13. Shall be equipped with a manual storage hose reel with 1 ¼ inch X 100 feet minimum of clear braid application hose.

Comments:

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14. Anti-Vandalism kit for battery and fuel tank minimum, all locks shall be supplied & keyed alike.

Comments:

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15. Engine fuel tank shall be 10-gallon minimum.

Comments:

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16. Unit shall be equipped with a hose flush system, 75-gallon minimum.

Comments:

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17. Shall be equipped with a standard license plate bracket and a Truck-Lite Model# 36140C LED license plate light with light bracket PN# 36710 installed.

Comments:

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18. Shall have a tongue jack rated at 7,000 LB. minimum, with a stationary foot, wheeled type jack will not be accepted.

Comments:

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19. Unit shall have heavy duty steel fenders with mud flaps.

Comments:

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20. Two wheel chocks (one set) shall be supplied with holder to secure chocks to machine. Ref. EQN-82A.

Comments:

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21. Unit shall have max travel height sticker located in easy view on Left (driver) side, Ref. EQN-552.

Comments:

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22. All ladder or step areas shall have "THREE POINTS OF CONTACT" stickers applied, Ref. EQN-552-1.

Comments

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Reference drawings

EQN-80B	Dated 5-16-2018	1 sheet	WIRING DIAGRAM 7 WAY ROUND PIN MALE CONNECTOR
EQN-82A	Dated 7-22-2015	1 sheet	WHEEL CHOCK AND HOLDER
EQN-84	Dated 5-16-2018	1 sheet	TRAILER FRONT END SPECIFICATIONS
EQN-552	Dated 7-06-2017	1 sheet	MAX TRAVEL HEIGHT STICKER
EQN-552-1	Dated 7-06-2017	1 sheet	THREE POINTS OF CONTACT STICKER

MANUALS:

The successful vendor shall furnish all applicable manuals per unit:

- 1 Operator's
- 1 Parts
- 1 Service
- 1 Engine
- 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.

Manuals may be supplied on CD Disc in lieu of paper manuals.

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

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WARRANTY: Per PCID No. 1075.

1 year starting from the Department's in-service date, 100% parts and labor.

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.