



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR

**30' GOOSENECK, TANDEM AXLE, DECK OVER,
HYDRAULIC TILT TRAILER, 30,000LBS. GVWR**

SERIES NO. 520-000
EQUIPMENT SPECIFICATION 520-000D

REV. 12/17/2024

GENERAL

This specification sets forth the minimum requirements for a 30' heavy duty gooseneck, deck over, tilting trailer with tandem axles and a GVWR of 30,000 lbs..

Equipment shall be new, a production model of current manufacture, and must meet all state and Federal safety and emission standards in effect at time of order.

REPRESENTATIVE SPECIFICATIONS

A Maxx-D TDX10230, with appropriate options and standard features, was used to develop these specifications and establish equivalency evaluation criteria.

Equipment of similar style, type, character, quality, features, and purpose conforming to the following detailed requirements/specifications will be considered. For evaluation purposes, bidders proposing an exception/equivalent option/feature to those specified herein, may be required to provide manufacturer/product information (catalogue sheets, detailed specifications, pictures, etc.). This information will be evaluated against the minimum requirements of this specification. Proposed submittals that are determined not to be equivalent to the established criteria will be rejected.

LOUISIANA AUTHORIZED DEALER(S)

Proposed item(s) must be from a manufacturer who has at least one (1) authorized dealer **within the State of Louisiana** where parts and service can be obtained. Authorized dealer(s) must have properly trained technicians plus all other resources necessary to perform warranty and repair services in complete accordance with the manufacturer's requirements. A letter certifying the ability to meet this requirement, inclusive of the company name(s) and address(es) of the Louisiana authorized dealer(s), should be supplied with the bid submittal and may be required prior to award.

DELIVERY & ACCEPTANCE

Vendor shall perform a test run of each unit to verify that all features and capabilities are operating properly at time of delivery. Documentation of testing may be required prior to acceptance by the Department.

Unit(s) must be delivered completely assembled (including all components, accessories, etc.) and ready for operation without any additional preparation including, but not limited to, ensuring all fluid levels are at their full mark, fuel tank(s) is full, all necessary lubrication has been performed, etc. A Louisiana safety inspection shall be performed on each vehicle prior to delivery and a Louisiana safety inspection sticker properly affixed.

Any unit delivered under this specification is subject to rejection if there is evidence of poor workmanship, by either the vendor or the original manufacturer. Noted defects and/or nonconformance findings may be corrected by the vendor. Corrections must be completed and approved by the Equipment Engineer or his representative prior to final acceptance.

Unit(s) shall be delivered "**on the ground**;" DOTD will not unload nor provide any unloading equipment to the vendor/delivery driver in order to offload the unit(s).

NOTE: The Department will have space available for equipment to be unloaded.

EACH UNIT MUST BE SUPPLIED WITH THE FOLLOWING DOCUMENTATION AT TIME OF DELIVERY:

1. Notarized Bill of Sale
2. Original Certificate of Origin (MSO), (no photocopy)
3. Dealer's Service Policy
4. Owner's/Operator's Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB "Flash Drive", or E-mail
5. Service Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB "Flash Drive", or E-mail
6. Build Sheet(s) – as applicable
 - a. One (1) Hardcopy
 - b. Build sheets should be written in plain language (not company specific codes) and include, at a minimum, all standard & optional features of the delivered unit.

NOTE: Invoices will not be processed for payment until the unit(s) have been inspected by the Equipment Engineer or their representative and deemed in compliance with the specifications.

BID SUBMITTALS

Any additions, deletions, or variations from the specifications should be noted in the "Bidder's Exceptions" page of this specification. Exceptions that are noted to be less than a minimum requirement will not be accepted.

Any additions, deletions or variations from the manufacturer's standard published specifications should be noted on the "Bidder's Exceptions" page of this specification. Unless otherwise noted, any items appearing in the manufacturer's standard published specifications furnished by the Bidder are assumed to be included in the Bidder's submittal.

Bidder should note on their submittal any installation(s) to the equipment that will be performed by the vendor instead of the manufacturer.

Failure to note any specification exceptions, manufacturer specification alterations, and/or vendor installations prior to award may result in rejection of the equipment at the time of delivery.

THE NUMBER OF DELIVERY DAYS AFTER RECEIPT OF ORDER (ARO) MAY BE USED AS A FACTOR IN THE AWARD.

EQUIPMENT SPECIFICATIONS

NOTICE TO BIDDERS

Bidder should review the detailed "Equipment Specification" completely and respond to the compliance question at the end of each section by marking "X", in the space provided, for "Yes" or "No". Mark "Yes" to indicate that the equipment bid meets the section exactly as specified. Mark "No" if there are exceptions to any part of that section. Exceptions/deviations to any part of the specification are to be detailed on the "Bidder's Exceptions" page of this specification.

IN ORDER TO BE CONSIDERED FOR AWARD, BIDDER SHOULD RETURN THIS SPECIFICATION, COMPLETED IN FULL, WITH THEIR BID SUBMITTAL.

Note: All values listed below are minimums unless noted otherwise.

1. Trailer Design & Construction

1.1. General Details

- 1.1.1. Heavy duty, tandem axle, gooseneck, deckover, hydraulic tilting trailer
- 1.1.2. Must meet all applicable OSHA, FMVSS, DOT, and ICC requirements.
- 1.1.3. Nominal Deck Dimensions
 - 1.1.3.1. Length: 30 ft.
 - 1.1.3.2. Width: 96"-102"
- 1.1.4. GVWR: 30,000 lbs.

1.2. Frame & Crossmembers

- 1.2.1. Frame: 12in. X 22LB I-beam w/torque tube and bridge
- 1.2.2. Crossmembers: 3" channel cross members, 12" on center spacing
- 1.2.3. 4" x 3/8" Rub Rail w/ Stake Pockets & Pipe Spools

Comply: ___Yes ___No

1.1. Gooseneck & Jacks

- 1.1.1. Engineered beam or 12 in. I-beam
- 1.1.2. Coupler: 30,000 lbs., 2-5/16" ball
- 1.1.3. Two (2) 10,000 lbs. hydraulic jacks
- 1.1.4. Full width locking chain Rack, weld-on

Comply: ___Yes ___No

1.2. Axles, Suspension, & Brakes

- 1.2.1. Two (2) 15,000 lb. heavy duty with oil bath axles
- 1.2.2. Leaf spring suspension
- 1.2.3. Electric-over-hydraulic disc brakes

Comply: ___Yes ___No

EQUIPMENT SPECIFICATIONS

1.3. Wheels & Tires

- 1.3.1. First line, first quality
- 1.3.2. ST235/75R17.5
- 1.3.3. Combined load rating must equal or exceed GVWR
- 1.3.4. Spare tire and mount

Comply: ___ Yes ___ No

1.4. Electrical & Lighting

- 1.4.1. LED grommet mount, sealed lighting
- 1.4.2. Plug - 7 pole RV
- 1.4.3. Lighting shall conform to latest Louisiana & Federal laws
- 1.4.4. Sealed wiring harness. Harness must be securely fastened to chassis and protected from damage by the use of non-metallic (rubber/plastic) grommets or bushings where it passes through holes in steel chassis.
 - 1.4.4.1. Splices should be done with waterproof connectors plus sealed and covered with heat shrink tubing
 - 1.4.4.2. "SCOTCH LOCK" OR SIMILAR INSULATION DISPLACEMENT CONTACT (IDC) QUICK SPLICE CONNECTORS ARE NOT ALLOWED

Comply: ___ Yes ___ No

1.5. Deck & Storage

- 1.5.1. 2" nom., rubber infused treated southern yellow pine ("Blackwood" or equal) decked lengthwise, screwed or bolted in place
- 1.5.2. Two (2) 48" Side-Mount Tool Boxes, one on each side
- 1.5.3. Two fixed or folding side steps, one on each side of the deck, located at the front
- 1.5.4. Six (6) 4" Full Length Slide Track Ratchets (Slide) (driver side)
- 1.5.5. 2" high visibility conspicuity tape (red/white) on each side, full length

Comply: ___ Yes ___ No

1.6. Tilt Control

- 1.6.1. Electric /Hydraulic tilt control
- 1.6.2. Tilt control to be dual acting
- 1.6.3. Wireless remote control to operate all tilt controls
- 1.6.4. Tilt control to be powered by a 12 volt DC pump unit
- 1.6.5. Tilt lift to be a 6X16" scissor lift
- 1.6.6. Batteries for tilt and winch
 - 1.6.6.1. Two (2) 12 volt deep cycle batteries to be mounted in closed compartment with ample ventilation
 - 1.6.6.2. Batteries to be BCI Group size 27
 - 1.6.6.3. Batteries to have reserve capacity of a minimum of 120 minutes at 25 amps
 - 1.6.6.4. Seven watt solar charger to be installed to maintain batteries at full charge

Comply: ___ Yes ___ No

EQUIPMENT SPECIFICATIONS

1.7. Winch and winch mounting

1.7.1. Winch plate to be mounted on front deck

1.7.2. Winch to be mounted to plate with wiring capable of allowing full tilt travel of deck

1.7.3. Winch mounting fasteners to be stainless steel

1.7.4. Winch

1.7.4.1. Winch to be 12 volt

1.7.4.2. Winch power source to be same batteries as trailer tilt control

1.7.4.3. Winch capacity to be 17,500 lbs.

1.7.4.4. Winch to be spooled with 60 feet of 15/32 steel cable with a minimum breaking strength of 25,000 lbs.

1.7.4.5. Stainless steel Fairlead

1.7.4.6. Winch to be sealed and waterproof/weather proof

1.7.4.7. Winch brake to be automatic screw cone design

1.7.4.8. Winch to have manual clutch

Comply: ___ Yes ___ No

