



STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
TECHNICAL SPECIFICATIONS FOR

**PINTLE HITCH DECK-OVER TRAILER, 45,000# CAPACITY, AIR TILTING**

**SERIES NO. 520-000**

**REV. 3/25/2022**

**EQUIPMENT SPECIFICATION 520-000B**

**GENERAL**

This specification sets forth the minimum requirements for a deck-over, air tilting tag-along trailer with a 45,000 lbs. load capacity.

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 Felling FT-45-2 TA, 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:**

1. Notarized Bill of Sale
2. Certificate of Origin (MSO)
3. Dealer's Service Policy
4. Owner's/Operator's Manual(s)
  - a. One (1) Hardcopy
  - b. One (1) Digital Copy
    - i. Acceptable Formats: CD, DVD, Flash Drive, or E-mail
5. Service Manual(s)
  - a. One (1) Hardcopy
  - b. One (1) Digital Copy
    - i. Acceptable Formats: CD, DVD, Flash Drive, or E-mail
6. Build Sheet(s) – as applicable
  - a. One (1) Hardcopy
  - b. Build sheets should be writing 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. Trailer must meet all applicable OSHA, FMVSS, DOT, and ICC requirements.
- 1.1.2. Overall length: approx. 38'
  - 1.1.2.1. Flat Deck length: 24'
  - 1.1.2.2. Beaver tail: 6'
- 1.1.3. Hitch length, center of coupler to headboard (approx.): 6.5'
- 1.1.4. Overall width: 102"
- 1.1.5. Approx. loaded deck height: 33"; not to exceed 36"
- 1.1.6. Weight: 9,000-9,500 lbs.

Comply: \_\_\_ Yes \_\_\_ No

#### 1.2. Capacity

- 1.2.1. 45,000 lbs. load capacity.
- 1.2.2. GVWR to be adequate for safe operation of trailer with a 45,000# load.

Comply: \_\_\_ Yes \_\_\_ No

#### 1.3. Frame & Tongue

- 1.3.1. Engineered, cambered, fabricated 14" main beams
- 1.3.2. 4" pierced Jr I-Beam cross members (16" on center)
- 1.3.3. 7" channel side rails
- 1.3.4. Tread plate covered wheels
- 1.3.5. Shall be designed with adequate safety factor.
- 1.3.6. Must be designed and constructed to allow as much as 25% gross load to transfer onto the towing vehicle with ample safety factor to prevent deformation

Comply: \_\_\_ Yes \_\_\_ No

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### 1.4. Hitch

- 1.4.1. 3" adjustable lunette eye
  - 1.4.1.1. 66,000 lbs. rated
  - 1.4.1.2. Plate mount
- 1.4.2. ½" Safety chains, grade 70, with 2 hooks

Comply: \_\_\_ Yes \_\_\_ No

### 1.5. Jacks: Dual 2-speed drop leg jacks, 39,000# capacity

Comply: \_\_\_ Yes \_\_\_ No

### 1.6. Suspension

- 1.6.1. 49" Spread (Spring), 9700 Hutch or equal
- 1.6.2. Heavy duty
- 1.6.3. Spring type suspension
- 1.6.4. Designed by manufacturer for use by the trailer industry

Comply: \_\_\_ Yes \_\_\_ No

### 1.7. Axles

- 1.7.1. Tandem, full width thru, oil bath type.
- 1.7.2. Each axle shall be rated at 25,000# capacity

Comply: \_\_\_ Yes \_\_\_ No

### 1.8. Brakes

- 1.8.1. Full air-operated, all wheels
  - 1.8.1.1. Outboard drums
  - 1.8.1.2. Automatic slack adjusters
  - 1.8.1.3. Automatic spring brake application on axles upon accidental breakaway
- 1.8.2. 4S/2M ABS (anti-lock brake system), WABCO or equal
- 1.8.3. All brake air lines must be securely fastened to chassis and protected from damage by the use of non-metallic (rubber/plastic) grommets or bushings where passing through holes in steel chassis.

Comply: \_\_\_ Yes \_\_\_ No

### 1.9. Wheels & Tires

- 1.9.1. 8 Bolt, 17.5 x 6.75, hub pilot
- 1.9.2. Eight (8) first line, first quality, 235/75R 17.5 J, combined load rating must equal or exceed GVWR

Comply: \_\_\_ Yes \_\_\_ No

### 1.10. Electrical & Lighting

- 1.10.1. Plug - 7 pole standard semi

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**1.10.2.** DOT approved recessed, grommet mounted LED lights

**1.10.3.** Amber LED strobe lights mounted in tailboard

**1.10.4.** 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.

**Comply:** \_\_\_ Yes \_\_\_ No

**1.11.** Decking

**1.11.1.** 2" nom. white oak hardwood flooring decked lengthwise, including beavertail

**1.11.2.** Screwed or bolted in place

**1.11.3.** Top surface flush with steel side rails

**Comply:** \_\_\_ Yes \_\_\_ No

**1.12.** Air Tilt & Ramps

**1.12.1.** Air bag tilt – dual air bags

**1.12.2.** Fold down ramps

**1.12.2.1.** Air operated

**1.12.2.2.** Additional large air tank for air ramps

**1.12.2.3.** White oak inlaid

**1.12.2.4.** 45" x 6'

**Comply:** \_\_\_ Yes \_\_\_ No

**1.13.** Accessories

**1.13.1.** Spare tire and wheel with carrier

**1.13.2.** Two (2) side mounted steps, 1 each side

**1.13.3.** Tool box in tongue, with lockable cover

**1.13.4.** Mud flaps

**1.13.5.** Tie downs: 1" straight d-rings, eight each side approx. equal spacing

**Comply:** \_\_\_ Yes \_\_\_ No

**1.14.** Paint

**1.14.1.** All surfaces to be commercially steel grit blasted then coated with epoxy or urethane primer compatible with topcoat 3 mils DFT and urethane topcoat 4 mils DFT (minimum).

**1.14.2.** Primer and topcoat application to be in complete accordance with paint manufacturer's requirements.

**1.14.3.** Topcoat color is to be trailer manufacturer's standard black, and primer coat color must be in contrast with topcoat color.

**1.14.4.** Undercoating on bottom side of trailer is unacceptable. Verification of paint system may be required.

**Comply:** \_\_\_ Yes \_\_\_ No

## BIDDER'S EXCEPTIONS

**Instructions:** Bidder should note all exceptions in space provided below. List the detail number from the aforementioned specification in the column to the left and the exception in the column to the right. Responses may be typed or hand-written. Handwritten responses must be legible. If additional space is needed, please print a duplicate copy of this sheet. "Bidder's Exceptions" page(s) should be returned with the bid submittal.

Examples:

1.6	Engine has 325 horsepower
1.18.3	Batteries have 2000 CCA combined.
2.2.8	Crossmembers are 4" channel on 12" centers.

**Spec./Detail  
Reference**

**Exception**
