



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR

8x12 TANDEM AXLE ENCLOSED FIBER OPTIC SPLICING TRAILER, 6,000# GVWR CLASS

SERIES NO. 505-000

REV. 10/20/2023

EQUIPMENT SPECIFICATION 505-000A

GENERAL

This specification sets forth the minimum requirements for a 8'x12', 6,000 lbs. GVWR class, tandem axle enclosed fiber optic splicing trailer.

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

An InTech FOST8X12TA2, 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 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. Design & Construction

1.1. Basic Configuration

- 1.1.1. Enclosed cargo trailer
- 1.1.2. Nominal size: 8'x12' (12ft. not including V-nose)
- 1.1.3. V-nose or bull-nose
- 1.1.4. Interior height: 7'
- 1.1.5. GVWR: 6,000 lbs.
- 1.1.6. 20 gal. in-frame fuel tank w/gauge
- 1.1.7. Breakaway battery kit

Comply: ___ Yes ___ No

1.2. Frame & Tongue

- 1.2.1. Full perimeter aluminum frame
- 1.2.2. Aluminum tube floor crossmembers on 24" centers, max.
- 1.2.3. Aluminum tube wall studs on 16" centers, max.
- 1.2.4. Aluminum tube roof studs on 16" centers, max.
- 1.2.5. 2⁵/₁₆" adjustable height ball coupler (rated capacity must exceed GVWR of trailer)
- 1.2.6. 5,000 lbs. manual jack
- 1.2.7. Safety chains and hooks

Comply: ___ Yes ___ No

1.3. Axles & Brakes

- 1.3.1. Tandem, 3,000 lbs. each, torsion suspension
- 1.3.2. EZ-lube hubs, or equal
- 1.3.3. Four-wheel electric brakes

Comply: ___ Yes ___ No

EQUIPMENT SPECIFICATIONS

1.4. Wheels & Tires

- 1.4.1. 15" steel wheels; black, or silver painted
- 1.4.2. ST205/75R15
- 1.4.3. Designed and rated for trailer service
- 1.4.4. Combined load rating must meet or exceed combined gross axle weight rating (GAWR)
- 1.4.5. Full size spare tire/wheel unit with exterior mount

Comply: Yes No

1.5. Exterior Features

- 1.5.1. White FRP sidewalls
- 1.5.2. One-piece aluminum roof
- 1.5.3. Arch-trussed, walk-on roof system
- 1.5.4. Extruded aluminum front vertical corners
- 1.5.5. 24" ATP front stone guard
- 1.5.6. 12" ATP side trim
- 1.5.7. (2) 24" entrance doors w/ windows
- 1.5.8. Rear step bumper system
- 1.5.9. Front and rear stabilizing jacks
- 1.5.10. Exterior gas fuel fill
- 1.5.11. Aluminum slide-out step at side door
- 1.5.12. 34" x 26" rear storage door w/ compartment

Comply: Yes No

1.6. Interior Features

- 1.6.1. Flooring
 - 1.6.1.1. 3/4" subfloor
 - 1.6.1.2. One-piece vapor barrier subfloor
 - 1.6.1.3. One-piece black coin flooring
- 1.6.2. White vinyl walls and ceiling
- 1.6.3. Insulated walls and ceiling
- 1.6.4. Road-side laminate cabinets
- 1.6.5. Curb-side laminate cabinets
- 1.6.6. Additional overhead laminate cabinet - 48" x 16" x 12"
- 1.6.7. (2) Cable access doors w/ brushes
- 1.6.8. (2) Cable clamps
- 1.6.9. (2) 30"x20" Tinted vertical slide windows
- 1.6.10. 13,500 BTU roof-mounted air conditioner
- 1.6.11. 5,200 BTU electric wall heater
- 1.6.12. First aid kit
- 1.6.13. Eye wash station
- 1.6.14. 1A-10BC Fire extinguisher

Comply: Yes No

EQUIPMENT SPECIFICATIONS

1.7. Electrical

- 1.7.1. Commercial grade 5,500w IPO Onan gas generator (installed w/ included generator cover)
 - 1.7.1.1. Remote generator start w/ hour meter
- 1.7.2. 50 Amp load center
 - 1.7.2.1. Automatic transfer switch
- 1.7.3. 12v Marine grade battery
- 1.7.4. 12v Battery cut-off switch
- 1.7.5. 60 Amp converter/charger
- 1.7.6. 25' Motorbase shore cord
- 1.7.7. (6) Surface mount LED interior ceiling lights
- 1.7.8. 12v Power roof vent
- 1.7.9. Hardwired carbon monoxide detector
- 1.7.10. 12v AM/FM Bluetooth stereo w/ (4) interior speakers
- 1.7.11. (5) 120v Interior outlets (15 amp)
- 1.7.12. Dual 12v USB outlet
- 1.7.13. Exterior 120v GFI protected outlet (15 amp)
- 1.7.14. 7-way RV-style electrical plug
- 1.7.15. Breakaway switch with battery & charger
- 1.7.16. All lighting to be LED
 - 1.7.16.1. LED clearance lights
 - 1.7.16.2. LED slimline tail lights
 - 1.7.16.3. Lighted directional arrow board
 - 1.7.16.4. (2) LED surface mount flood lights
 - 1.7.16.5. LED roof mounted strobe light
- 1.7.17. Wiring to be sealed or ran in conduit for protection
 - 1.7.17.1. Splices must be done with waterproof connectors plus sealed and covered with heat shrink tubing
 - 1.7.17.2. "SCOTCH LOCK" OR SIMILAR INSULATION DISPLACEMENT CONTACT (IDC) QUICK SPLICE CONNECTORS ARE NOT ALLOWED
- 1.7.18. Lighting shall conform to latest Louisiana & Federal laws

Comply: ___ Yes ___ No

1.8. Paint: Manufacturer's standard

Comply: ___ Yes ___ No

