



**MISSOURI DEPARTMENT OF TRANSPORTATION**  
**MINIMUM 35-TON LOWBOY EQUIPMENT TRAILER**

The intent of this specification is to secure a trailer suitable for transportation equipment at over-the-road speeds up to 70 M.P.H. and one that will allow one person to easily load and unload equipment.

**MODEL:** Minimum 35 ton, 51' long lowboy equipment trailer, Dual axle(+ flip third axle); and a deck rating of 60,000 lbs in 12' foot.

**DECK LENGTH:** 30 foot.

**WIDTH:** 102 inches.

**SIDE EXTENSION:** 27" aluminum pullouts (lower deck).

**GOOSENECK:** Gooseneck shall have a minimum length of 10'.

**AIR/ELECTRICAL:** 7 way receptacle.

**HYDRAULIC HOOK UP:** Quick couplers 2500 PSI/17 GPM.

**SWING CLEARANCE:** Swing clearance shall be approximately 84".

**LOADED GROUND CLEARANCE:** No less than 7 inches.

**LOADED DECK HEIGHT:** No less than 18 ¼ inches.

**MAIN FRAME DESIGN:** Fabricated 11 ¼" beam, 100,000 PSI yield flanges

**CAPACITY:** Minimum 35-ton payload.

**TIE DOWNS:** Side mounted D-rings on 72" centers, 2- D-rings at base of rear trunnion, 2 D-rings web-mounted top of trunnion, 2 D-rings rear of trunnion, flush mounted on top of inner beams, side mounted strap/chain tie downs.

**TOOL BOX:** 11" H x 29" W x 25" D curbside gooseneck.

**CYLINDERS:** 2 – 6" x 30" horizontal mount 70,000 lb. Capacity each, centralized grease system, powder coat black.

**HITCH:** Automatic gooseneck lock engagement.

**CROSSMEMBERS BEAMS:** 5"X3" Rec. tube on 18" centers.

**SUSPENSION:** Shall be Neway air ride 25,000 lb. capacity.

**AXLES:** (2) 25,000 Lb. Capacity.

**WHEELS. / TIRES:** Steel Hub pilot outboard brake drums Tires: 255/70R 22.5 Goodyear LRH, 16 Ply radials (or equivalents), Rims: 22.5 x 8.25 steel.

**BRAKES:** 16-1/2x7 air brakes with ABS, 4S2M Antilock brakes.

**OIL SEAL HUBS:** Internal mated assembly.

**KING PIN SETTING:** Minimum 15".



**LIGHTS:** Grote “SuperNova” LED – 10 year warranty.

**WIRING HARNESS:** Grote “Ultra-Blue seal” – 7 year warranty.

**POWDER COAT COLOR:** White/Black/Yellow/Blue/Red/Green

**MISCELLANEOUS:**

All items appearing in Manufacturer's published literature and specifications as standard are assumed to be included in bidders proposal.

The Missouri Department of Transportation Commission reserves the right to waive technicalities and to reject any or all bids and no bid is final until formally accepted by the commission.

**\*\*\*ANY EXCEPTIONS TO THE ABOVE SPECS MUST BE NOTED ON A SEPARATE SHEET OF PAPER\*\*\***