

SPECIFICATIONS DESCRIBING TILT DECK DECK OVER WHEELSEQUIPMENT TRAILER

The intent of these specifications is to describe the a new (unused) equipment trailer to be used by the Your Agency to transport equipment in road repair work.

It is intended that the manufacturer will provide a standard production equipment trailer that is currently being manufactured and offered to construction and road building trades in the State of California. The equipment trailer and all components must comply with the State of California and Federal Codes in effect at the time of delivery.

The term "heavy duty" as used in these specifications shall mean that the items to which the term is applied shall exceed the usual quantity, quality or capacity normally supplied with standard production machines and it shall be used to withstand unusual strain, exposure, temperature, wear and use.

DIMENSIONS

G.V.W.R. will be 44,820 lb. at 55+ M.P.H.

Payload Capacity shall be 35,570 lb. at 55+ M.P.H.

The trailer weight shall not exceed 9,300 lbs.

The hitch weight shall be 8,500 lbs. required at MAXIMUM payload capacity. Any reduction of the payload below the maximum will reduce the required hitch weight accordingly.

The overall length shall not exceed 30 feet 7 inches.

The tongue length shall be 6 feet 7 inches

Overall width shall be 102 inches.

The Deck Length shall be 24 feet. This includes 9 ½ feet of beavertail.

Deck width shall be 102 inches.

Deck height (loaded) shall be 36 ½ inches.

The hitch height 24", adjustable in 2 " steps 22" to 31".

The trailer tilt angle shall be 13.15 degrees on the beavertail section and 7.95 degrees on the level deck. The beavertail shall include a full width air operated fold down approach ramp to be utilized by steel wheel rollers.

DECK

The decking shall be constructed of wood, 2" x 12" Purpleheart. Secured with stainless steel floor screws.

There shall be a deck outer rail installed the full length of the trailer constructed of heavy duty C6 x 8.2# structural steel channel conforming to ASTM A572 braced every 36 inches. Bracing shall be of the same material.

A stop shall be installed at the front of the trailer. It shall be 6 inches high the full width and braced to prevent equipment from driving off the front of the trailer.

The trailer shall have conspicuity markings alternating red/white reflective tape placed on deck side rail per federal requirements.

There shall be access steps placed between the tandems.

ELECTRICAL

A seven-wire SAE standard trailer light plug (Cole Hersee part # 12092) shall be installed on trailer cable extending 24 inches beyond the trailer towing eye. The trailer shall have a storage socket for the plug while the plug is not in use.

Trucklite series 50 "Super Harness" waterproof sealed wiring harness run to maximize support and protection for the harness, junction boxes located for easy access.

ICC/DOT approved lights and reflectors, dual stop and turn indicators and three-bar indent light mounted under approach ramp, all lights rubber grommet shock mounted sealed beam units recessed into trailer for protection.

TRAILER HITCH

The trailer hitch shall be alloy steel lunette with 3" I.E. eye rated at 60,000 lbs. Gross pull at 15,000 lbs. vertical shear. Attached to a drilled plate with four ¾" diameter grade 8 bolts and grade C locknuts.

TILT CYLINDERS

There shall be two 3" x 16" tilt cylinders with internal oil transfer installed. The trailer must remain in the up or down positions without any additional means of counterbalance.

AXLES

Two 22,500 lb. Rated each. 5" O.D. x .440" wall tube with oil hubs.

BRAKES

12.25" x 7.5", S-cam straight air drum brakes on all wheels. Includes emergency breakaway protection. Also includes antilock ABS brake system. Brakes to be self adjusting slack adjusters with adjustment indicators.

TIRES

Eight 215/75R17.5, Test Index H. Tubeless, steel belted radials.

WHEELS

Eight 17.5 x 6.75, steel disc with 10 lugs.

SUSPENSION

Tandem 2-leaf slipper springs (4) with load equalizers. 44,800 lb. rating.

TIE DOWN RINGS

Ten Total D-Rings. Eight located four per side on side rail out of deck plane. Two located on front on front rail out of deck plane. D-rings are to be 1" diameter stock.

TONGUE JACK

Retractable, two speed crank type with 25,000 lb. rating and a 12" quick-retract leg.

SAFETY CHAINS

Two 3/8" High Test chains (Grade 70) with integral latch hook ends.

FINISH

Underbody rustproofed, outer body sandblasted and primed with rust inhibitive. Painted with (low VOC, lead and chrome free) Cat Yellow. Vendor shall invite Your Agency to a pre-paint inspection.

TOOL STORAGE

Self-draining, powder coated Cat Yellow, tool box 10" x 15" x 24" top open, lockable within tongue frame members.

REGISTRATION HOLDER

Shall be located in tongue area.

MUD FLAPS

(2) Total anti-spray mudflaps located (1) per side aft of rear tandems.

DECK LATCH

Adjustable cam-over constant pressure type deck lock with safety pin for positive transport lock.

STRUCTURAL

Constructed of A-36 structural grade steel and engineered to exceed the rated capacity.

Deck main rails: 8" x 18 lb. I-beams

Deck side rails: 8" x 11.5 lb. Channels

Crossmembers: 5" x 2" x 3/16" wall tube and 5" x 6.7 lb. Channels

Drawframe rails: 14" x 26 lb. I-beams

The crossmembers are pierced through the main rails for greater rigidity.

WARRANTY

There shall be a five (5) year warranty on the structural frame.

GENERAL TERMS AND CONDITIONS

Net 30 days.

Delivery: 120 to 150 days after receipt of purchase order.

FACTORY MANUALS

One (1) copy of the units Parts Manual, Service Manual and all Repair Manuals shall be included. Two (2) copies of the Operators manual shall accompany each unit.

INSURANCE

The following insurance coverage and endorsements will be required of the Contractor:

Comprehensive General Liability Insurance, on an occurrence form, with limits not less than \$1,000,000 each occurrence, Combined Single Limit for Bodily Injury and Property-Damage, including coverage for Contractual Liability, Personal Injury, Broad Form Property Damage, Products and Completed Operations Coverage, Mobile Equipment, Sudden and Accidental Pollution.

Comprehensive or Business Automobile Liability Insurance on an occurrence form with limits not less than \$1,000,000 each occurrence, Combined Single Limit for Bodily Injury and Property Damage, insuring all owned, no-owned and hired autos, as applicable, including coverage for Sudden and Accidental Pollution.

Garage Keepers Legal Liability Insurance with limits not less than \$500,000 each occurrence, including coverage for Fire, Theft, Collision, Explosion, Riot and Civil Commotion, Vandalism and Malicious Mischief.

Insurance against loss or damage to contents of vehicles with limit not less than \$5,000 each vehicle for property usually or customarily carried in vehicles. This insurance may be included as part of another policy.

Workers Compensation, with Employers Liability limits not less than \$1,000 each accident.

Any deductibles in policies listed above shall not exceed \$5,000 each occurrence.

Specifications subject to change without notice.