

ONE (1) 160,000 LBS G.C.W.R. TRUCK TRACTOR  
& ONE (1) 110,000 LBS IN 16 FT LOW BOY TRAILER

F.O.B. DNLR Hilo Hawaii  
DOFAW  
19 East Kawili Street  
Hilo, Hawaii, 96720

**RESPONSIBILITY OF THE CONTRACTOR**

- A. Delivery of the tractor & trailer shall be as specified in the offer form, and responsibility for the tractor & trailer remains with the contractor until satisfactory completion of acceptance tests and formal written acceptance by the State of Hawaii DNLR, DOFAW, 19 East Kawili Street, Hilo Hawaii, 96720
- B. Tractor & trailer shall be tested in the Mainland prior to shipping to Hilo and shall be delivered together (tractor and trailer) to the State of Hawaii DNLR; NO EXCEPTIONS.
- C. Brand names are listed as examples, Offers must meet Brand Name or Equivalent minimum specifications. Any questions please check with Specification Contact listed below.

**Specification Contact:**

Leslie Beard  
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Office: 808-974-4225

ONE (1) 160,000 LB. G.C.W.R. **TRUCK TRACTOR**

MODEL: New and undemonstrated, of current production model.

CAB: 123" BBC conventional, aluminum without any steel reinforcements; with sloped fiberglass 90 degree tilting hood and integral grill; with bug screen mounted behind grill; air suspension; cab acoustic insulation package including insulated inside firewall, top side floor damping, absorber treated kick panels, and insulated back wall and roof structure; tan / brown interior (Sahara); LH & RH cab corner windows for safety (NO EXCEPTIONS)

G.C.W.R.: 160,000 lbs.

G.V.W.R.: 79,000 lbs.

FRAME RBM: Heat treated alloy steel (120,000 PSI yield), 28.9 SM, 3,468,000 RBM; Double Frame

WHEELBASE: 237" – 240" maximum

CAB/TRUNNION: 144" cab to trunnion (minimum)

EOF: 55" cab to end of frame (maximum)

FRONT AXLE: 14,600 lb. capacity; Set-Forward; "Wide-Track", power-steering TRW-TAS85; oil reservoir & cooler mounted on frame.

FRONT SPRING: 14,600 lb. capacity at ground, with taper leaf and heavy-duty shock absorbers.

REAR AXLE: Dana Spicer D52-190P single reduction 52,000 lb. capacity with lube oil pump and heavy wall. Gear ratio of 5.25 to 1, with driver controlled interlocking axles, magnetic drain plug. Power divider to be operated from within cab mounted in dash. Locking diff. for both rear axles with switch mounted in dash.

REAR SUSPENSION: Neway ADZ252, 54" axle spacing, 52,000 lbs (No Exceptions)

PUSHER: Hendrickson SC-13 13,500 lbs. w/ air tank, controls mounted LH of driver's seat; steerable and liftable; shall include bakes, dust shields.

ELECTRICAL SYSTEM:	12 volts.
BATTERIES:	Three (3) AGM batteries rated at 2400 CCA.
BATTERY BOX:	Solid cover with locks over each battery for protection and step up, aluminum construction, mounted LH under cab.
ALTERNATOR:	12 volt 130 amp capacity, to include low voltage disconnect (LVD) system.
DIRECTIONAL LIGHTS:	Front and rear turn signals w/column-mounted headlight dimmer switch & intermittent wiper control; 4 way flasher and two (2) back up-lights. All lights shall be LED, if available from manufacturer
HEADLAMPS:	Headlamps shall be dual rectangular LED w/high beam/low beam
LIGHTS OR REFLECTORS:	Shall conform to State of Hawaii DOT General Order No. 2.
ENGINE:	Cummins ISX15 Liter engine water cooled with replaceable cylinder liners. Minimum of 600 gross H.P. at 1900 RPM and 2,050 lb. ft. torque at 1200 RPM, governed at 2000 RPM, with electronic controls. To include safety shut down for high temperature, low oil pressure.
ENGINE BRAKE:	Three (3) position, engine brake set up for engine model used, with selective cylinder switch.
TRANSMISSION:	Manual, Fuller RTLO22918B 18 speed manual, with double overdrive and air shift, with torque limiting clutch brake and internal oil pump, with oil cooler, oil filter and aluminum bell housing.
CLUTCH:	15.5" Easy Pedal, 4000 lb.-ft. plate load, 2,250 ft. lb torque capacity.
DRIVELINE:	SPL250HD-XL series main. SPL170-XL series interaxle.
STEERING:	Integral hydraulic power TRW TAS85; Reservoir Frame Mounted with oil cooler or equal

**BRAKES:** 6 Channel ABS brakes w/ dust shields, front and rear.  
 Brake chambers, long stroke parking brakes. Trailer connections 15' coiled nylon hose and 15' lighting cable (coiled, with 7-way connector, installed. Self returning hand control valve, air with air and electrical at end of frame.  
 Automatic slack adjusters, front and rear.  
 18.7 CFM air compressor.  
 Air dryer (Bendix AD-IP EP) with heater, standard location.  
 Drain valve, automatic with heater, for air tank.  
 Air system shall be in compliance with FMVSS 121, if applicable.

**FRONT BRAKES:** Air Disc type w/ severe service rotors w/ pad & rotor dust shields.

**REAR BRAKES:** Air Disc type w/ severe service rotors w/ pad & rotor dust shields.

**PUSHER BRAKES:** Manufacturer's standard

**FUEL TANK CAPACITY:** Minimum of two (2) 60 U.S. gallons, Alum Construction, 26" Diameter; mounted RH & LH back of cab on frame w/ each having two (2) access steps, polished stainless steel straps. DEF tank w/ polished cover shall be provided on LH on frame in front of fuel tank.

**FRONT WHEELS:** Disc type 24.5"x 8.25" Alcoa 985657 LVL1 hub-piloted 10 hand hole aluminum, 10 stud, with iron PreSet Plus hubs

**REAR WHEELS:** Disc type, 24.5"x 8.25" Alcoa 985657 LVL1 hub-piloted 10 hand hole aluminum, 10 stud with iron PreSet Plus hubs.

**PUSHER WHEELS:** Disc type, 22.5"x 8.25" Alcoa 885657 LVL1 hub-piloted 10 hand hole aluminum, 10 stud with iron PreSet Plus hubs.

**FRONT TIRES:** 11R24.5H Bridgestone R286 Ecopia Load Range H, 16 ply

**REAR TIRES:** 11R24.5 Bridgestone W919 Range H, 16 ply

**PUSHER TIRES:** 11R22.5 Bridgestone R283A Ecopia Range H, 16 ply

**MUD FLAPS:** Mud flaps behind rear most drive axle; removable type.

**HALF FENDERS:** Stainless steel type.

SEATS: Premium Ultra Ride Air suspension, high-back height with adjustable air & mechanical lumbar support, dual arm rests, front cushion adjustment and folding back. Passenger seat to be Ultra Ride low back non suspension w/tool box seat base; all upholstery to be cloth and match Saharan Tan interior, seat belts (2 sets), to meet Federal Standards.

EXHAUST SYSTEM: RH tailpipe, muffler, vertical with curved tailpipe, guard, right side of cab. DPF shall be located RH under cab.

AIR FILTER: Underhood mounted within cab mounted air restrictor gauge.

ENGINE OIL FILTER: Manufacturer's standard

FUEL FILTER: Manufacturer's standard

REVERSE ALARM: Electronic "beeper" type, tied in with reverse lights.

NOISE EMISSIONS CONTROL SYSTEM: As required by the State of Hawaii under table B-2, for daytime application, chapter 44A, Public Health Regulations.

FIRE EXTINGUISHER: One (1) only, 5 lb. dry chemical ABC type, UL approved, mounted in cab.

REFLECTOR WARNING KIT: One (1) set, triangular type, three (3) warning triangles per set in a metal or plastic container that meets Federal Safety Standards.

AIR CONDITION: Factory installed using R134A type of refrigerant. All windows factory tinted.

TACHOMETER: Electric or mechanical type.

EQUIPMENT: Front bumper, aluminum full length deep tapered stainless steel clad; two (2) removable front tow pins; dual padded sun visors; dual electric windshield wipers with washers; power windows and locks with switches located on door pad, motorized heated mirrors, left and right outside rear view mirrors with top and bottom support brackets for 9' load width: mirror backs and mounting hardware to be of stainless steel; engine temperature, oil pressure and voltmeter gauges; warning lights; fuel gauge; primary and secondary air reservoir gauges & an air application gauge; manifold pressure gauge; transmission temperature; forward drive axle & rear drive axle temperature gauge w/ guards for sensors; DEF level gauge; (2) air horns 26" LH/RH roof mounted; heater defroster; trailer air and electric connections with stainless steel

pogo stick mounted rear of cab; non-skid type open grate deck plate, back of cab mounted grab handles for deck plate access on both sides; stainless steel half fenders over drive axles only; AM/FM/CD Bluetooth radio, Protech 10-1003-592 aluminum cab headache rack with (2) lights & switch in cab for activation of the lights; cab corner windows for safety-NO EXCEPTIONS, and any and all other items of equipment and accessories listed in the manufacturer's specifications and or brochures as standard equipment, whether specified herein or not, shall be included. One low profile fully populated light bar mounted on top of tractor cab with amber and white lights.

**FIFTH WHEEL:** Holland FW2570, 41" – 44" air slide, mounted 8" behind trunnion; left hand release (roadside release).; Approx. 50.5" Unladen Height;

**TOW HITCH:** End of frame shall have proper bracing to mount a tow hitch, pintle hitch to be mounted using grade 8 bolts. Hitch model Holland 400-H coupler with "D" rings, with standard 7-way trailer electric plug and air lines attached to gladhands w/debris covers mounted next to hitch.

**RUST PREVENTIVE TREATMENT:** The cab and chassis shall be treated with rust preventive material. Such as Ziebart treatment. Chassis, axles, springs, fifth wheel, and all welded areas, and seams, base bolts, chrome and unpainted areas shall be coated with Cosmoline type film to prevent salt from causing rust during shipping if shipping w/ any other shipper than PASHA. Any signs of "rust bleed" will be cause for rejection. If Cosmoline type film is used, it must not be washed off prior to Automotive Services Coordinator's inspection of vehicle. Aluminum, Fiberglass, Metton, chassis & all components (such as axles, suspensions, air dryer, tanks, electrical attached to manufacturer's chassis shall be exempt from this section.

**SAFETY REQUIREMENTS:** The vehicle offered shall meet all applicable Federal, State and County safety requirements.

**COLOR:** The cab & hood shall be painted dual-stage Axalta Ivory, L1415EY. The chassis shall be painted single stage Axalta black, N0001EA.

**MANUALS:** One (1) each, hard copy of operator's manual or via emailed PDF.  
One (1) each, hard copy of custom parts manual or emailed PDF.  
One (1) each, hard copy of complete service manual or emailed PDF.

WARRANTY: Warranty to be furnished with bidder's proposal and printed on company's form. Shall be a minimum of one (1) year from in service date.

CAB & CHASSIS  
DEALER

VERIFICATION: Due to the application and importance of the State to provide service to the community, the contractor shall provide prompt service and parts support. The contractor shall provide with their bid documentation, a dealer or franchise agreement from the cab & chassis manufacturer designating the contractor / bidder as their:

- 1) Sales dealer for the State of Hawaii & registered w/ DCCA.
- 2) Service dealer for the State of Hawaii & registered w/ DCCA.
- 3) Parts dealer for the State of Hawaii & registered w/ DCCA.

Contractor shall also submit with their bid a written statement guaranteeing that all high wear item parts for the cab & chassis are currently in stock at their physical place of business in Hawaii. (NO EXCEPTIONS).

KEYS: Three (3) sets of keys shall be provided with vehicle.

TRACTOR SPECIFICATIONS: Detailed specifications along w/ brochures shall be submitted at time of bid. Specifications shall include but not limited to verify that all of the tractor specifications were met. **NO EXCEPTIONS**

**TRAILER:** ONE (1) New 110,000 LBS in 16 FT LOW BOY TRAILER  
Lowboy Type Hydraulic detachable front loading/ all trailer lights  
and controls with be compatible and powered by the Tractor

**TRAILER SPECIFICATIONS:**

Talbert or Equivalent  
**Model** Year 2017

**Model-55SA-HX** or Equivalent

**Dimensions**

**Length**

52 ft. 6 in.

**Deck Length**

26 ft. (25 ft. 6 in. clear)

**Deck Height**

Loaded: 24 in.

**Deck Width**

8 ft. 6 in.

**Weights**

**Weight-**21,660 lbs. maximum

**Capacity-**110,000 lbs. in 1/2 deck length, 110,000 lbs. in 16 ft. when 3+1 minimum

**Body**

**Composition-** High strength 100,000 psi min. yield steel

**Gooseneck Type**

Non-ground bearing  
114 / 90 in. swing radius

**Main Deck Construction**

High strength 100,000 psi minimum yields steel, auxiliary cross members, upper flange reinforcement, 1/4 in. plate boom well in last 6 ft. of deck



**Rear Bridge Length**

14 ft.

**Rear Bridge Height**

40 in.

**Rear Bridge Construction**

Recessed cross members, bolsters and half bolster, boom well

**Colors**

Valspar R-Cure 800 Red or Black

**Floor**

1-1/2 in. apitong flooring outboard main beams

**Ramp**

Front folding ramps

**Electrical****Electrical**

12V LED sealed light system

**Operational****Suspension**

Ridewell air suspension or Equivalent

**Brakes**

Spring parking brake on axle 2

**Axles**

3; 25,000 lb. capacity

Spacing: 54 in.

Air lift 3rd axle

**Wheels**

Steel disc, hub piloted with outboard brake drums

**Tires-**255/70R22.5 (H)

**Outriggers-**12 in. swinging / removable

**Safety Features-**6 lash rings on each side of deck, strobes and battery backup