

It is the intent of these specifications to describe the minimum requirements for a **Kenworth T880 tri-axle chassis with an American PARB75/22 Roll-Off hoist**. All bidders must have been factory authorized representatives of the submitted chassis and proposed equipment for a minimum of five full years with verifiable customer list utilizing the exact product they are submitting and have supplied to those customers in the past.

Bidder must indicate compliance with each item listed. Failure to indicate “yes or no” for each line item can be grounds for rejection of bid. All exceptions or deviations no matter how small must be submitted on a separate itemized statement. The following specifications are meant as a minimum acceptable standard and are not meant to be restrictive. The Town of Old Saybrook reserves the right to accept or reject any bid that is in the best interest of the town.

Make And Model Proposed: <i>American PARB75/22</i>		Comply		Deviations From Specifications
		Yes	No	
	<u>BODY SPECS</u>			
Item 1	75,000lb capacity			
Item 2	22' in length, outside rail			
Item 3	8" x 4" x ½" main frame			
Item 4	3" x 4" x ¼" sub frame			
Item 5	Telescopic side mount lift cylinders			
Item 6	Dual single stage reeving cylinders			
Item 7	See thru reeving cylinder rack			
Item 8	Four sets of outside rollers			
Item 9	Rear heavy duty ground roller			
Item 10	Dual automatic left & right front container stops			
Item 11	Dual body props			
Item 12	Automatic folding ICC bumper			
Item 13	Dual manual ratchet type rear hold downs			
Item 14	Poly tri-axle fenders			
Item 15	Hot shift PTO with direct mount 39 GPM pump			
Item 16	Five section directional control valve with 3,000psi main relief			
Item 17	7/8" EIPS 6 x37 domestic cable with pear loop			
Item 18	Cable sheaves with aluminum bronze bushings			
Item 19	In cab air controls			
Item 20	Outside controls at valve assembly			
Item 21	Body up light and warning buzzer			
Item 22	Plug & play wire harness			
Item 23	Full width rear bumper with LED lights			
Item 24	43 gallon hydraulic reservoir with 100 micron suction line strainer, 25 micron internal return line filter,			
Item 25	2" quarter turn ball valve shut off			
Item 26	Side mount tool box			
Item 27	Complete unit primed and painted black			
Item 28	Pioneer Rack & Pinion fully adjustable load cover. No exceptions			

Make And Model Proposed: <i>Kenworth T880</i>		Comply Yes No		Deviations From Specifications
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	<i>ENGINE & EQUIPMENT</i>			
Item 1	Paccar mx-13 485 485@1600 1650@1000			
Item 2	Air compressor Wabco 25.9 cfm			
Item 3	Air cleaner composite firewall mounted			
Item 4	Fan hub 2-speed			
Item 5	Cooling module 1330 square inches			
Item 6	Bug screen mounted in front of grill			
Item 7	Exhaust dpf/scr right side vertical tail pipe			
Item 8	Single lower chrome exhaust elbow			
Item 9	Fuel filter Davco 382 fuel/water separator			
Item 10	Immersion block heater 120v 1500 watt			
Item 11	Paccar 160 amp alternator			
Item 12	3 Paccar gp31 thread post 700-730 batteries			
Item 13	Paccar premium 12v starter			
Item 14	12v low voltage disconnect for starter battery			
Item 15	Remote pto/throttle engine bay			
Item 16	Eaton trans f016e30ll-vcs ultra-shift plus			
Item 17	Ultra shift plus clutch			
Item 18	Meritor RP 125 SD 2-center bearings driveline			
Item 19	14 in. Eaton high capacity trans cooler			
Item 20	Aluminum clutch housing			
Item 21	Front axle Meritor MFS20 20K 3.75 drop			
Item 22	22k Bendix ES s-cam 16.5x6 IN			
Item 23	22,000 cast front drums			
Item 24	Front springs taper leaf 20K w/shock absorber			
Item 25	Dual power steering 16-22K Sheppard HD94			
Item 26	Power steering cooler radiator mounted			
Item 27	Rear axle Meritor RT46-164PEH 46K			
Item 28	Rear axle ratio 4.10			
Item 29	The trunion mounted front telescopic hoist shall be nitrated and allow a minimum of 50 degree dump angle with 25 ton capacity. Frame saddle and mounting is to be provided and factory powder coated black			
Item 30	Dual rear brake 16.5x7 46K			
Item 31	Spring brake 3030 long stroke			
Item 32	Bendix 4S/4M anti-lock with traction control			
Item 33	Driver control differential (crosslock)			
Item 34	Rear suspension Chalmer 854-46-h 46K			
Item 35	1 Steerable Pusher Watson Chalin Tru Track 20K; SL2065			
Item 35	1 Steerable Pusher brakes: Bendix Non-RSD 16.5x6 in.; Use with 20K axle.			
Item 36	1 Steerable Pusher cast brake drums. 16.5X6 in. for use with 20K axle.			

Item 37	1 Steerable pusher hubs iron hub pilot 10-hole 11.25 in. bolt circle. For use with 20K axle.			
Item 38	Pusher or Tag: gauge/switch dash-mounted; gauge and pressure regulator mounted left of driver.			
Item 39	Delete standard heavy-duty air springs for rear suspension.			
Item 40	Heavy-duty gussets for forward suspension cross member on Airglide 400/460, Chalmers, or Hendrickson beam suspensions. This replaces the standard gussets.			
Item 41	1st Pusher location: 54 in. from c/l Forward tandem axle or single rear axle.			
Item 42	Front tires: Bridgestone M870 315/80R22.5 20PR All Position			
Item 43	Rear tires: Bridgestone M799 11R24.5 16PR. 44 in. diameter, all position. 20.5 in. SLR. Code is priced per pair of tires.			
Item 44	1 Steerable Pusher: 2 Bridgestone M870 315/80R22.5, 20PR, All Position			
Item 45	Rear Tire Quantity: 8			
Item 46	Front Wheel: Alcoa 89U64 22.5X9 AL Ultra ONE Wheel.			
Item 47	Rear Wheel: Alcoa 98U63 24.5X8.25 AL Ultra ONE Wheel.			
Item 48	1 Steerable Pusher Wheel: 2 Alcoa 89U63 22.5X9 AL Ultra ONE Wheel.			
Item 49	Single Front Axle: 2 wheels Dura-Bright Buffed. Dura-Bright outboard surface of aluminum wheels.			
Item 50	Dual Rear Axle Wheels: 4 wheels Dura-Bright Buffed. Dura-Bright outboard surface of outer dual or single aluminum wheels			
Item 51	1 Pusher: 2 Wheels Dura-Bright Buffed. Dura-Bright outboard surface of outboard wheels mounted same as front axle. For use on 1 steerable or 1 non-steerable pusher axles w/ single wheel.			
Item 53	Rear Wheel/Rim Quantity: 8			
Item 54	Frame Rails: 10-3/4 x 3-1/2 x 3/8in. Steel 337in. to 416 in. Truck frame weight is 3.48 lb.-in. per pair of rails. Section modulus is 17.80; RBM is 2,132,000 in-lbs per rail. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required, Kenworth Application Engineering will advise the			

	dealer of the appropriate material specification for a substitute rail.			
Item 55	Full Steel Insert: for 10-5/8 in. or 10-3/4 in. Steel 337 in. to 416 in. or 2nd insert for 11-5/8 in. steel frame. Adds 1,149,000 in-lb to main rail RBM. Truck insert weight is 2.05 lb.-in. per pair of rails. Full frame insert length is equal to wheelbase plus rear frame cutoff plus dimension forward of front axle by model: T660, T680, T800, T880 = 21.26 in.; C500B = bumper setting minus 0.79 in.; W900B = 5.27 in., W900L = 1.50 in., W900S = 3.27 in.; T440/T470 50 in. bumper setting = 21.26 in., T470 73 in. bumper setting = 72.3 in.			
Item 56	Bumper: Tapered chrome steel channel. Requires a bumper setting code.			
Item 57	48.5 in. Bumper setting. Requires a bumper code.			
Item 58	Front tow hook: Center mounted, cast. Requires iron front drive brackets			
Item 59	Custom Frame Layout: one chassis CFL A/D: DRYER IN RIGHT BACK OF CAB FRAME CFL A/T: AIR TANKS IN FRAME			
Item 60	Steel cantilever battery box BOC w/ smooth aluminum cover. Vocational Style			
Item 61	Battery box location: RH Side.			
Item 62	T470,C5, T6, T8 non-polished DPF/SCR or CNG cover diamond plate w/ step. For use w/ 2010 or later, exhaust systems. For T8, use extended length non-polished battery box on opposite rail to match the length of under cab components. End plates will be painted standard black frame color			
Item 63	Heavy-duty BOC cross member assembly.			
Item 64	Rear mud flap arms: Betts B-25 standard-duty, straight. Includes B1732 mounting brackets as standard			
Item 65	Rear mud flap shields: White plastic antisail w/ Kenworth logo.			
Item 66	Square end-of-frame w/ cross member; non-towing.			
Item 67	<i>FUEL TANK & EQUIPMENT</i>			
Item 68	Fuel Tank: 100 US gallon 24.5in. Aluminum under replace. Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck.			
Item 69	Small round DEF tank. 11 gallons of usable volume. The DEF tank will be located on the			

	side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204			
Item 70	Heavy-duty 7in. steel supports/straps for one 24.5 in tank. Two supports per tank			
Item 71	Polish only one aluminum tank.			
Item 72	Polished cover for 1 DEF tank any size.			
Item 73	Polish only 7in. stainless steel straps for one 24.5in. Tank; 2 straps per tank.			
Item 74	DEF to fuel fill ratio 2:1 or greater			
Item 75	Anti-siphon device swaged in place. For any number of fuel tanks.			
Item 76	DEF tank location is LH			
Item 77	Location: 100 gal fuel tank LH under cab			
Item 78	<u>CAB & EQUIPMENT</u>			
Item 79	Cab: Stamped aluminum cab with panoramic curved glass windshield. Standard with stamped aluminum doors, heavy-duty in-swinging hinges, and triple sealed doors. Manufactured using self-piercing rivets and structural adhesive. Includes LED exterior marker lights and turn signals.			
Item 80	Hood: T880 Standard Length With Mechanically Fastened Fenders. 122.6 inch BBC.			
Item 81	Bright Engine Air Intake Chrome Trimmed Engine Air Intake on Both Sides of Hood			
Item 82	Fine particulate filter for cabin air HVAC system. To provide extra filtration in high dust applications. Cabin airflow is reduced with this additional filter. *Cannot be used with code 8108003			
Item 83	Cab HVAC - Day Cab and 40in Sleeper System With Defrost, A/C, and 48,000 BTU/hr. Heater. Includes automatic temperature control with one touch defrost operation and dash mounted cab temperature and solar intensity sensors. Pleated fresh air filter and cabin recirculation air filter standard. The Kenworth HVAC system is designed to provide optimal heating and cooling in all operating environments without need for additional insulation. Cab HVAC			

	without sleeper heater AC is available with 40in sleeper.			
Item 84	Shutoff Valves to Isolate Primary Heater Remote mounted on frame under cab.			
Item 85	Kenworth Smart wheel: 18 in. Leather Wrapped With Integrated Radio and Cruise Controls.			
Item 86	Column Mtd TMSN Control W/Retarder Cntrl, RH Side Use with Automated and Automated Manual Transmissions Only			
Item 87	Adjustable telescoping tilt steering column			
Item 88	5 sets of keys. Replaces standard 2 sets of keys.			
Item 89	Dash Switch: 1st Single-Acting Eaton or PACCAR Mounted PTO. Electric switch, wiring, software, air solenoids, and plumbing are factory-installed to control the 1st Eaton (single-acting) trans PTO.			
Item 90	Three spare switches: Wired to power.			
Item 91	Gauge: Engine Oil Temperature Gauge With Integral warning light. The NavPlus HD unit includes a virtual engine oil temperature gauge.			
Item 92	Gauge: Fuel filter restriction gauge.			
Item 93	Gauge: Manifold Pressure Gauge. The NavPlus HD unit includes a virtual manifold pressure gauge			
Item 94	Gauge: Ammeter gauge in addition to voltmeter. W/integral warning light.			
Item 95	Dash mounted analog electronic clock.			
Item 96	Kenworth Driver Performance Center: 5in Full Color high resolution Thin Film Transistor (TFT) active matrix display with advanced driver information including fuel economy performance, outside air temp, clock, odometer and trip, engine hour meter, ignition timer, engine RPM, general truck information, diagnostics, and gear display. All Highline functionality is accessed via the Kenworth MCS providing intuitive control at the drivers fingertips. Also includes Dark Cabin functionality. When activated, the only interior light that will function when a door is opened is the door courtesy lamp.			
Item 97	Kenworth instrumentation and control package with 9 standard easy-read gauges: includes speedometer, tachometer, fuel gauge, engine coolant temp, engine oil pressure, voltmeter, dual air pressure, air application pressure and DEF gauge. All accessory controls utilize electronically activated			

	solenoids that include advanced vehicle protection interlocks			
Item 98	Interior color: Slate Gray			
Item 99	Interior package: Vantage day cab Includes durable headliner and vinyl sidewalls with geometric patterned trim and anodized aluminum accents throughout. Convenient overhead storage cubbies, full size glove box, two center console cup holders, and large door pad map pocket. Standard LH/RH power windows, electric door locks, interior LED lighting, nighttime-friendly red ambient lighting for dash and foot well, and door mounted courtesy light. Includes two standard 12V power outlets. Driver sun visor includes strap			
Item 100	Rubber floor mat			
Item 101	Driver Seat: GT702 HB with Ultra leather material and integral heat. The GT702 is standard with a single air bag, scissor linkage seat suspension that incorporates seat height memory, auto leveling valves with exit air dump, and adjustable damper. It includes a dual chamber lumbar support, 10in Fore/Aft adjustment, 5in Up/Down adjustment with protection zones, 2.5in pan extension, 51 degree seat back recline, and 16 degree full seat tilt. Includes 3-point matching seat belts. DR seat standard w/ dual armrests.			
Item 102				
Item 103	Rider Seat: GT100 Toolbox HB with Vinyl Material. The GT100 seats are standard with fixed base. Includes 3-point matching seat belts. Rider seat standard w/ LH armrest.			
Item 104	Seat color: Slate Gray with Gray stitching			
Item 105	Kenworth Radio with AM/FM/WB/CD/USB and Bluetooth			
Item 106	CB Radio: Cobra 29. Includes weather band w/header mounted quick release. Includes transceiver & separate speaker remote-mounted in headliner & dual CB antennas. Includes sound tracker & illuminated panel.			
Item 107	Mid-Level Audio System – Day cab: High Performance Door and B-Pillar Speakers			
Item 108	Telescoping Antenna: Mounted Behind LH Door. Replaces Top-of-Cab Antenna.			
Item 109	Ashtray insert: W/cigar lighter located in center console. Deletes 1 12V outlet & 1 cup			

	holder			
Item 110	Non-self-cancelling turn signal: W/column-mounted headlight dimmer switch & intermittent wiper control.			
Item 111	LH and RH Trip Ledge Rain Deflectors			
Item 112	Stainless steel permit panel on cab, driver side only			
Item 113	Kenworth Truck Tech+ The Kenworth Remote Diagnostics system provides the World's Best reporting of engine and after treatment fault codes, as well as enhanced support for the truck owner through rapid communication of fault severity and recommended actions. This option is Standard on all Heavy Duty Kenworths with a PACCAR MX engine, Cummins X15 engine, PX engine or Natural Gas engine. Optional on Medium Duty Kenworths			
Item 114	Long grab handle RH side mounted to side-of-cab exhaust.			
Item 115	Grab handle: LH, Exterior, Side of Cab - Ergonomic Grab Handle Mounted To The Left Hand Exterior Of The Cab For Entry and Exit.			
Item 116	Dual Cab Interior Grab handles: A Pillar Mounted Dash Wrap and B Pillar Mounted Grab handles			
Item 117	Kenworth Day lite Door with standard LH/RH electric door locks and LH/RH electric window controls			
Item 118	Dual rectangular air horn 23 in. LH & RH top of roof. Includes air horn covers			
Item 119	Look-Down, Pass. Door, Black 11x6			
Item 120	Aero Mirror: Dual Kenworth Chrome Aero. Motorized Heated Mirrors, 7in X 13in With Chrome Mirror Shell and Black Mirror Arms. Also Includes LH/RH Heated 6in X 7in Convex Mirrors. Mirror Brackets Set For 8-1/2 ft. Load Width. Mirror Controls Located On Driver Side Door Pad.			
Item 121	Rear cab stationary window 19in x 36in			
Item 122	Two additional outboard windows 19in x 12in			
Item 123	3.5in x 11.5in Plastic Records Holder: Mounted On Rear Cab Panel. Not available With Sleeper Or 2 Person Bench Seat.			

Item 124	One-piece bonded-in windshield with curved glass. Standard			
Item 125	Exterior stainless steel sun visor.			
Item 126	Fender close-out: Below headlamp, behind bumper. *NOT available with 3-piece bumper.			
Item 127	Wheel well Fender Extension: 2.5 Inches			
Item 128	Kenworth Cab/Sleeper Air Suspension.			
Item 129	<u>Lights & Instruments</u>			
Item 130	Headlamps: SAE Dual Halogen Complex Reflector			
Item 131	Marker Lights: Five, rectangular, LED			
Item 132	Turn Signal Lights: Flush mounted LED mounted at top of fender wheel arc			
Item 133	LED Stop, Turn, Tail: With Two LED Backup Lights and With An LED License Plate			
Item 134	Switch, Wiring, and Indicator Light for Customer Installed Floodlights. 1st Set. Pigtail Routed Through Pass Thru Grommet. 10ft Jumper Harness Shipped Loose.			
Item 135	Switch, Wiring, and Indicator Light for Customer Installed Floodlights. 2nd Set. Pigtail Routed Through Pass Thru Grommet. 10ft Jumper Harness Shipped Loose.			
Item 136	Floodlight Location: Located High - First Set. This Code To Be Used With Flush-Mount (9052011) or C/I (9058071) Codes Only.			
Item 137	Floodlight Location: Located Low - Second Set. This Code To Be Used With Flush-Mount (9052012) or C/I (9058072) Codes Only.			
Item 138	Switch and Wiring: Custom. Installed Beacon Lights With Additional 20ft Jumper Harness Shipped Loose			
Item 139	Marker Lights: Interrupter Switch. Included in Turn Signal For All Models Except T3. The T3 Switch Is In The Dash.			
Item 140	Omit Brake Light with Engine Brake. Can only be selected when chassis also has engine brake. Cannot be used with options to delete engine brake.			
Item 141	Reflectors: Two Mid frame			
Item	Wiring Only: For customer-installed backup			

142	alarm			
Item 143	Junction Box: End of Frame			
Item 144	Poly switches replacing fuses. Switch will automatically reset after removal of excess load			
Item 145	Air Dryer: Bendix AD-IS Extended Purge heated. with Pura Guard			
Item 146	Moisture ejection valve w/ pull cable drain			
Item 147	Nylon air tubing in frame & cab, excluding hoses subject to excessive heat or flexing			
Item 148	Bendix LQ-5 ratio valve: for Kenworth-installed pusher/tag. LQ-5 valve limits the amount of air applied to the pusher brakes. Helps prevent lockup in lightly loaded conditions			
Item 149	Locate air dryer inside RH rail BOC. This code requires the use of a custom frame layout code			
Item 150	Air tanks: clear of transmission area. This code requires the use of a custom frame layout code			
Item 151	<u>Extended Warranty</u>			
Item 152	Base Warranty - PACCAR MX-11 & MX-13 Engine 24 months / 250,000 miles / 400,000 km / 6250 hours			
Item 153	Base Warranty - Standard Service Heavy Duty 12 months / 100,000 miles / 160,000 km			
Item 154	Ship to Dealer			
Item 155	GHG Secondary Manufacturer: Does Not Apply			
Item 156	Additional lead time required for off highway & /or specialty component truck			
Item 157	Warning triangle reflector kit: Floor mounted parallel to back wall between seats. Kit consists of 3 triangles in plastic carrying case. For day cab only			
Item 158	One 5 lb. dry chemical type fire extinguisher mounted outboard of rider seat. Class ABC			
Item 159	Zinc Phosphate frame rail paint processing. Requires frame rail code. Code is for 1 pair of rails.			
Item 160	Zinc Phosphate frame insert paint processing. Requires any 1st frame insert code. Code is for 1 pair of any frame inserts.			
Item 161	<u>Paint</u>			
Item	Paint color number(s). N9702 A -			

162	L0006 WHITE N9720 FRAME N0001 BLACK			
Item 163	Base coat/clear coat. The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with DuPont Imron Elite paint.			
164	The completed truck package shall be delivered to The Town of Old Saybrook public works department within 30 days of receipt of order. The truck shall be fully serviced, and ready to start work.			