

**It is the intent of these specifications to describe the minimum requirements for a Kenworth 270 series cab & chassis with stainless steel dump body plow truck. 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 deemed to be in the best interest of the town.**

Make And Model Proposed: <i>Galion Model 133USDDS</i>		Comply		Deviations From Specifications
		Yes	No	
Item 1	All 304 stainless steel construction			
Item 2	10' in length x 84" x 18" x 24"			
Item 3	Manual three panel tailgate with stainless steel quick release top hardware			
Item 4	10 Gauge sides and ends			
Item 5	3/16" Hi Ten one piece floor			
Item 6	Cross memberless understructure with formed 3/16" x 7" long members			
Item 7	½ Cab shield			
Item 8	Dirt sheading upper and lower side rails			
Item 9	All FED 108 clearance lights			
Item 10	Underbody double acting hydraulically operated scissors hoist			
Item 11	In cab ARBC5 arm rest air control console with integrated auxiliary switch control panel, featherable air controls for plow, dump body and hydraulic load cover. No exceptions.			
Item 12	Freedom 2.0 electronic spreader control integrated on control console. No exceptions.			
Item 13	Low oil over ride system			
Item 14	Hot shift PTO with direct mount 60CC load sense pump securely braced with stainless steel bracket.			
Item 15	Chassis side mounted stainless steel valve/tank combination enclosure			
Item 16	PVG32 Load sense four bank valve with fully adjustable spool controls and manual override			
Item 17	Integrated spreader manifold block with full flow cartridge valves. Cartridges can be manually operated.			
Item 18	Plow hitch shall be a custom tilt over design by removing two pins without the use of any tools. There shall be two each 4" x 2" x 2"			

	custom rubber blocks installed on the plow frame on same angle as the hood when in the tilted position to keep the hood from coming in contact with the plow hitch. There shall be a double acting 4" x 10" plow lift cylinder,			
Item 19	Upper portion of plow hitch shall be constructed from 3" x 1/2" angle integrally fitted inside lower portion and held in position by two 2" grade eight bolts and two additional 2" grade eight pins. Plow lift arm shall have telescoping front arm to accommodate different plow lift points.			
Item 20	Lower section to have push point at 30.5 centers			
Item 21	There shall be 1/2" cheek plates with 2" x 2' x 1/4" reinforcement bolted to the lower portion of the plow hitch and continue rearward and upward to the chassis frame behind front tires.			
Item 22	The cheek plates will be connected to the chassis frame via custom "Z" bracket constructed of 4" x 6" x 1/2" x 8" and 4" x 4" x 1/2" x 8 structural angle that is bolted to the chassis frame with 3/4" grade eight bolts			
Item 23	There shall be two additional thrust plates constructed of 1/2" plate installed at the lower portion of the cheek plates to absorb shock from road obstructions.			
Item 24	Plow hitch must have PACAR engineering clearance and acceptance for use on this chassis prior to installation. No exceptions			
Item 25	Chassis shall be plumbed utilizing stainless steel hydraulic tubing and short run hoses with swivels on each side. Chassis and body shall be plumbed for future hydraulic load cover. All return lines shall terminate in a common return manifold with one 1'-1/4" line plumbed to return filter on top of valve tank enclosure.			
Item 26	Chassis shall two 1/2" and one 3/4" stainless steel line plumbed to rear of chassis to operate hydraulic sander.			
Item 27	All quick disconnects shall be stainless steel			
Item 28	Four Whelen "Eye Dot" Strobes on cab shield, two on rear corner post,			
Item 29	Auxiliary plow lights on custom fitted stainless steel hood mounted brackets.			
Item 30	3/4" rear pintle plate with heavy duty D-Rings, 30 ton pintle hook, seven wire trailer plug.			

	<b>Make And Model Proposed:</b> <i>Kenworth T270 MUNI DUMP</i>	<b>Comply</b>		<b>Deviations From Specifications</b>
		<b>Yes</b>	<b>No</b>	

Item 1	T270 Series Conventional Electric Door locks LH/RH; Ignition & doors keyed alike; Single electric horn; Single-piece windshield; Electric windshield wipers, 2-speed plus intermittent; Electric windshield washers; Steering wheel 18in. 4-spoke; Glovebox door with locking latch; Dash-mounted cruise control with switches; Turn signal switch with column-mounted dimmer; Standard dash panels include gray w/ burl wood accents; Slate Gray interior primary color; Dark Slate Gray seat color; Floor mat; Inside sun visor, LH/RH; Door courtesy lights; Under-dash center console with 1 cup holder, 1 ashtray & 1 lighter.			
Item 2	PACCAR PX-7 260 2017 260@2400 250@2600 660@1600			
Item 3	Air compressor: Cummins 18.7 CFM For Cummins And PACCAR PX engines			
Item 4	Air Cleaner: Dry-type firewall mounted w/filter restriction indicator.			
Item 5	Fan Hub: Horton 2-Speed for PX-7			
Item 6	Cooling module: 1000 square inches T170/T270/T370/T470. Includes metal surge tank on T170/T270/T370			
Item 7	Exhaust:2017 EPA RH Under Cab DPF/SCR For PX-7 w/ Single Vertical RH Side of Cab Tailpipe.			
Item 8	Tailpipe: 5 in. single 24 in. 45 degree curved			
Item 9	Fuel Filter: PACCAR Standard Service Interval Fuel/Water Separator. 2017 and Later Emissions			
Item 10	Run Aid: None *For Fuel Filter			
Item 11	Start Aid:12V Heat *For Fuel Filter			
Item 12	Block heater, PACCAR 750 watt 120V for PX-6 and PX-7, 1000 watt for PX-8 and PX-9 or ISL9 engines			
Item 13	Alternator: PACCAR 160 amp, brush type			
Item 14	Batteries: 2 Optima 31A Threaded post (900) 1800 CCA			
Item 15	Mitsubishi 105P55 12V Starter with Cummins and PX PACCAR 12 volt electrical system. W/ centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12volt light system w/circuit protection circuits number &			

	color coded. Only for Cummins or PX engines			
Item 16	Multi-function engine connector for body builder interface for Cummins			
Item 17	Jump start terminals under hood			
Item 18	Transmission: Allison 3500RDS 6-speed w/PTO drive gear. 5th Gen Controls. Limited to 860 lb.-ft. Includes heat exchanger & oil level sensor. Rugged Duty Series for vocational applications. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 & 4000 series transmissions			
Item 19	Driveline: 3 Dana standard-duty; 2 center bearing. *Standard duty is 1710 series.			
Item 20	Rear transmission support springs for transmission PTO applications are required to ensure that engine flywheel housings are not overloaded when transmission PTO's are installed.			
Item 21	Dana Spicer E-1002IL Front Axle rated 10K 3-1/2in. drop. Use w/ air brakes only			
Item 22	Front brakes included w/ front hub package			
Item 23	Air Brake: 14,600 lb. package includes Bendix 16-1/2 x5 brakes, cast drums, aluminum 10-bolt hub pilot Preset hubs, hubcaps, oil seals & automatic slack adjusters. For use w/ 22 1/2in. wheels.			
Item 24	Front Springs: Taperleaf 10K w/ shock absorbers for use on 2010+ chassis w/ 22.5in. wheels only			
Item 25	Single power steering gear: 13.2K for air brakes			
Item 26	<b><u>REAR AXLE</u></b>			
Item 27	Single Dana Spicer S21-172 single reduction rear axle for T300 w/ air brakes. Single rear axle 21K capacity rated at 16K			
Item 28	Rear Axle Ratio - 5.25			
Item 29	Single rear brakes included w/rear hub package.			
Item 30	23K air brake package includes 16-1/2x7 in. brakes, cast drums, aluminum 10-bolt hub pilot Preset hubs, automatic slack adjusters and oil seals for use w/ 22.5 in. wheels			
Item 31	Spring Brake: 2430 single for medium duty T300; maximum capacity 17K.			
Item 32	Bendix 4S/4M anti-lock brake system.			
Item 33	Wheel Differential Lock for Dana Spicer Axles S21-170/172, S21-190, S23-170/172, S23-190, S26-190 & S30-190; adds D to the end of the axle part number.			
Item 34	Rear suspension: single Reyco 79KB			

	taperleaf 21K. Medium-duty. Unladen Height: 9 in. Laden Height: 7.5 in. Not rear air disc brake compatible.			
Item 35	<b><u>TIRES &amp; WHEELS</u></b>			
Item 35	Front tires: Bridgestone R268 Ecopia 11R22.5 14PR. 41.5 in. diameter, all position. F-side wall protector bar. 19.3 in. SLR. For P&D & construction vocations. Smartway certified.			
Item 36	Rear tires: Bridgestone M799 11R22.5 16PR. 42 in. diameter, drive. 19.5 in. SLR. Code is priced per pair of tires.			
Item 37	Front Wheel: Alcoa Ultra 22.5x8.25 Magna Force aluminum alloy, hub-pilot mount. 7400lb maximum rating. Air Disc Brake compatible			
Item 38	Rear Wheel: Alcoa 88367/Acc 50344 heavy-duty 22.5x8.25, aluminum outside with Lvl One[™] finish/steel Steel Armor[™] powder coat inside, hub-pilot mount. 7400 lb. maximum rating. Includes wheel guards. Air disc brake compatible. Code is priced per pair of wheels.			
Item 39	Single Rear Axle Wheels: 2 wheels Dura-Bright Buffed. Dura-Bright outboard surface of outer dual or single aluminum wheels.			
Item 40	Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to 308 in.			
Item 41	Bumper: Aerodynamic, Painted. Requires a bumper setting code.			
Item 42	40.9 in. Bumper setting. Requires a bumper code.			
Item 43	Removable Front Tow Hooks: 2.			
Item 44	In-cab steel battery box: under rider seat or in stand alone box. Requires appropriate AGM battery code, which varies by model, and appropriate rider seat code be selected prior to entering the work screen. Includes 1 battery disconnect switch.			
Item 45	One-piece welded cross member assembly with 12mm frame fasteners, center and rear frame. Standard cross member.			
Item 46	Fuel Tank: 56 US gallons 24.5in. aluminum under replace			
Item 47	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 48	Fuel Tank Steps: 6in. wide upper & lower F/1 LH under round tank 24.5in. NFPA Compliant. Includes fuel tank cross brace			
Item 49	DEF to fuel fill ratio 2:1 or greater.			
Item 50	Cab: Curved Glass Conventional. Cab Includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection (excluding T3 series), short and open check diagnostics. Warning alarm will sound when lights are left on.			
Item 51	Cab door bearing blocks, top & bottom.			
Item 53	Hood: Sloped aerodynamic hood includes grill & separate bumper			
Item 54	Cab heater: W/integral defrosters & A/C 45,000 BTU. Cab heater. No sleeper heater/AC. Includes 5 mode rotary controls. T660 include filter media.			
Item 55	Adjustable telescoping tilt steering column.			
Item 56	Switch & Wiring for Customer-Installed PTO. Electric over hydraulic PTO. Includes switch guard. Wiring is routed to LH frame for connection to the customer installed PTO. No air controls are provided with this code			
Item 57	Five spare switches: Wired to power.			
Item 58	Gauge: Oil Temperature Gauge Transmission. The NavPlus HD unit includes a virtual transmission oil temperature gauge			
Item 59	Instrument package: Includes speedometer, tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH. Add 8240620 to switch primary scale to KPH in Canada.			
Item 60	Cab interior: Pinnacle. Includes vinyl headliner & cab back panel, slate gray interior, dark slate gray seats, floor mats, LH/RH inside sun visor & door courtesy			

	lights.			
Item 61	Driver seat: Kenworth Air cushion Plus HB vinyl.			
Item 62	Rider seat: Kenworth Plus battery box HB vinyl.			
Item 63	Kenworth Radio with AM/FM/WB/USB and Bluetooth			
Item 64	Dome lamp over driver door.			
Item 65	Day lite Door: LH/RH includes RH peeper window			
Item 66	Single Rectangular Air Horn 23 in. LH Top of Roof Includes Air Horn Cover.			
Item 67	Dual convex heated mirror 8.5 inch w/ offset mounting below regular mirror. Mirror: Dual Moto Heated Mirrors 7 in. x 16 in. LH Fixed, RH Remote Controlled. Switch Located On Door Pad.			
Item 68	Rear Cab Stationary Window 17 in. x 36 in.			
Item 69	Electric-powered LH & RH door window lifts. Switch located on door.			
Item 70	Headlamps: Halogen Projector Low Beam, Halogen Complex Reflector High Beam			
Item 71	Marker Lights: Five, rectangular, LED			
Item 72	Turn Signal Lights: Mounted on fender			
Item 73	Turn Signal Flasher: Kysor solid state.			
Item 74	Switch & Wiring for Customer-Installed Floodlight W/O Electrical Pass-Through - 1st Set. Wire Coiled BOC/BOS			
Item 75	Switch & Wiring: Customer-installed dual beacon lights w/o insulators. Coiled wire behind dash.			
Item 76	Body Builder Lighting Harness Coiled End Of Frame For Additional Customer Installed Exterior Lighting. Harness Includes Circuits for Additional Customer Installed Tail Lamps, Turn Lamps, Stop Lamps, and Marker Lamps			
Item 77	Circuit Breakers: Replacing fuses. Does not apply to any 5-amp fuse box position. Breakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.			
Item 78	Air Dryer Bendix AD-IS heated Puraguard			
Item 79	Full truck kit: Gladhands mounted at end-of-frame. Seven-way female receptacle mounted at end-of-frame in tail amp bracket. Kit			

	includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve, tractor protection valve, and spring brake inversion/relay valves are standard.			
Item 80	Base Warranty - PACCAR PX-7 Engine 36 months / Unlimited miles & km / Unlimited hours.			
Item 81	Base Warranty - Standard Service Medium Duty 12 months / Unlimited miles & km			
Item 82	Paint color number(s). N9702 A - L0006 WHITE N9770 BUMPER L0006 WHITE N9720 FRAME N0001 BLACK			
83	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.			