



NORTH CAROLINA SHERIFFS' ASSOCIATION

Name of Dealership	Type of Vehicle	Zone	Base Unit Price
<u>PETERBILT - MODEL 320 RESIDENTAL FRONT LOADER (Specification #44)</u>			
Peterbilt of Charlotte	2017 Peterbilt Residential Front Loader - 320	★Appalachia	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Residential Front Loader - 320	★Dogwood	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Residential Front Loader - 320	★Cardinal	\$109,800.00
Peterbilt of Charlotte	2017 Peterbilt Residential Front Loader - 320	★Longleaf Pine	\$109,800.00



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PETERBILT - MODEL 320 RESIDENTAL FRONT LOADER **SPECIFICATION #44**

2017 Peterbilt Residential Front Loader - 320

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: Listed above, you will find the model numbers of the vehicles that will be included in this year's contract.

1. BODY

- a. Length - 24 ft
- b. Height - 13.5 ft
- c. Max Laden Weight - 1000 lbs

2. TRAILER

- a. Length - 0 ft
- b. Height - 0 ft
- c. Kingpin Inset - 0 in
- d. Corner Radius - 0 in

3. RESTRICTIONS

- a. Length - 40 ft
- b. Width - 102 in
- c. Height - 13.5 ft

4. CHASSIS

- a. Fr Axle Load - 18740 lbs
- b. Rr Axle Load - 46000
- c. G.C.W. - 66000
- d. Road Conditions: Class A (Highway)-100, Class B (Hwy/Mtn)-0, Class C (Off-Hwy)-0, Class D (Off-Road)-0
- e. Maximum Grade: -6
- f. Wheelbase - 210 in
- g. Overhand - 80 in
- h. Fr Axle to BOC 0.1 in
- i. Cab to Axle 209.9 in
- j. Cab to EOF - 289.9
- k. Overall Comb. - 347 in

5. FRAME & EQUIPMENT

- a. EOF Square without Xmbr - For use with body builder installed crossmember. - 0
- b. Omit Rear Mudflaps and Hangers - 0

6. REAR AXLE & EQUIPMENT

- a. Dana Spicer D46-170 46,000lb - Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provide improved fluid flow to protect components in extreme

- cold conditions & withstand the stress from high temperatures, extending component life. - 0
- b. Long Stroke Parking Brakes, Drive Axle(s) - 0
- c. SBM Valve - Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system. - 0
- d. Anti-Lock Braking System (ABS) 4S4M - ABS-6. Includes air braking system. - 0
- e. Synthetic Axle Lubricant All Axles - Peterbilt heavy duty models include Fuel Efficient Cognis EMBARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component. - 0

7. ENGINE & EQUIPMENT

- a. PACCAR 12V Starter - 0
- b. 3 PACCAR Premium 12V Dual Purpose Batt 2100 CCA - Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance. - 2
- c. 2-Speed Fan Clutch for Frequent Start/Stops - 0
- d. 18.7 CFM Air Compressor - Furnished on engine. Teflon lined stainless steel braided compressor discharge line. - 0
- e. PACCAR Fuel Filter/Water Separator, Unheated - With water in fuel (WIF) sensor. In addition to the fuel filter supplied with the engine. - 0
- f. High Efficiency Cooling System - Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEBPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in. - 0
- g. Stainless Steel Grille - 0
- h. Heavy Duty Air Cleanser - Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake. - 0
- i. Exhaust Vertical LH - DPF/SCR transverse mouted - 0
- j. 24in Ht, 5in Dia Chrome, Clear Coat Standpipe(s) - 0

8. TRANSMISSION & EQUIPMENT

- a. Allison FuelSense Basic - Includes 5th Generation Controls, EcoCal and Dynamic Shift Sensing. For additional information see Product Portfolio. - 0
- b. Console Mounted Push Button Shifter - Allison transmissions - 0

9. AIR & TRAILER EQUIPMENT

- a. Bendix AD-IS EP Air Dryer with Heater - Extended Purge (for use with high air consumption applications). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin-pm dessicant cartridge. - 0
- b. Nylon Chassis Hoses - 0
- c. Steel Painted Air Tanks - All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed. - 0

10. TIRE & WHEELS

- a. RR: Accur Stl Armor 50291PK 22.5x8.25 - Heavy Duty, Two Hand Holes - 0

11. FUEL TANKS

- a. 23in Aluminum 50 Gallon Fuel Tank RH BOC - Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks. - 0
- b. Fuel Cooler - Required with single fuel tank - 0
- c. DEF Tank 320 - 0

12. BATTERY BOX & BUMPER

- a. Steel Bumper Channel Painted - Includes two front tow eyes with pins - 0

13. CAB & EQUIPMENT

- a. 53in LCF ProBilt Cab LH Drive - Includes steel frames with alum and fiberglass panels, all alum doors, dual door stops, door locks, tinted safety glass thru-out, cab and door mounted entry grab handles, 65 degree hydraulic tilt, stainless steel grille, dual rear cab fenders, service module BOC (cab tilt pump, oil fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans), door mounted armrests, power windows, full insulation, rubber floor mats, ergonomic center control console, removable instrument panel, Driver Information Display, LED backlit gauges, pull down windshield sunshade, 16in steering wheel with integrated horn button, tilt/telescopic adjustable column, over-door storage, driver and passenger side cup holders, USB charging port and 12 VDC charging outlet, header includes HVAC controls and 12V power connection behind header cover, rear cab corner windows, 18in bolt-on step each side, self-canceling turn signals and front directional and side mounted turn signals
- b. 4.5 Inch Rubber Flares on Cab and Wheel Well Fenders - 0
- c. Peterbilt Drive Seat - 0
- d. Peterbilt Passenger Seat - 0
- e. Non-Air Ride Driver - 0
- f. Low Back Driver - 0
- g. Vinyl Driver - 0
- h. Non-Air Ride Passenger - 0
- i. Low Back Passenger - 0
- j. Vinyl Passenger - 0
- k. Gray Interior Color - 0
- l. Adjustable Steering Column - Tilt/Telescope - 0
- m. Steering Wheel with Peterbilt Logo - Steering Wheel with embossed Peterbilt logo over horn button - 0
- n. Rear Window Back of Cab Standard Tint - 18.5in x 54in
- o. Two Piece Flat Windshield - 0
- p. (1) Air Horn 15in Painted - Mounted under cab.
- q. Peterbilt Electric Windshield Wipers - with Intermittent Feature. - 0
- r. Main Transmission Oil Temperature Gauge - Located in Driver Information Display - 0
- s. Air Restriction Indicator - Mounted on air cleaner or intake piping. - 0
- t. Headlights Dual Rectangular Halogen - 0
- u. (5) LED Clearance with (2) LED Marker Lights - Includes (5) lights mounted on roof of cab and (1) cab side marker light mounted in front of each cab door. - 0
- v. None Furnished Stop/Tail/Backup Lights - Available with Full Truck only. Not available with Tractor. - 0

14. FRONT AXLE & EQUIPMENT

- a. Dana Spicer D2000F 20,000lb,3.5in Drop - Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life. - 0
- b. Power Steering Sheppard SD110 Dual - For use with 22,000lb axle ratings. Glidekote splines on steering shaft extend service life of components - 40
- c. PHP10 Iron PreSet PLUS Hubs-Air Disc - 0
- d. Severe Service Disc Brake Rotor - For refuse applications - 59
- e. 5in Drop IPO 3.5in., Front Axle - 0
- f. Air Disc Front Brakes - Complies with reduced stopping distance regulations. - 0



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PETERBILT - MODEL 320 RESIDENTAL FRONT LOADER SPECIFICATION #44

2017 Peterbilt Residential Front Loader - 320

The Peterbilt Residential Front Loader - 320 purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and NCSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by specification by zone.

ZONE:	★Appalachia	★Dogwood	★Cardinal	★Longleaf Pine
BASE PRICE:	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

While the North Carolina Sheriffs' Association has attempted to identify and include those equipment items most often requested by participating agencies for full size vehicles, we realize equipment needs and preferences are going to vary from agency to agency. In an effort to incorporate flexibility into our program, we have created specific add/delete options which allow the purchaser to tailor the vehicle to their particular wants or needs.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate dealer in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the dealers, however, those listed here must be honored by the dealers in your zone at the stated prices.

VEHICLE:	Residential Front Loader - 320			
DEALER:	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte	Peterbilt of Charlotte
ZONE:	★ Appalachia	★ Dogwood	★ Cardinal	★ Longleaf Pine
BASE PRICE:	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

Order Code	Delete Options	All Zones
	Hendrickson Haulmaax HMX460 46,000lb 54in Axle - Spacing, 60K Creep Rating - PHP10 Aluminum Preset Plus Hubs – 0	
	Diff Lock Both Axles -(Air Rocker Switch occupies the space of one gauge) – 60	
	Refuse Service Brakes, Steer and Drive Axles – 0	
	Rear Brake Camshaft Reinforcement – 9	
	Lube Pump, Drive Axle(s) – 36	
	Bendix Air Cam Rear Drum Brakes 16.5x8.6 - Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums. Refer to TSB 11-57 for more information. – 0	
	Ratio 5.38 Rear Axle – 0	
	PACCAR 130 Amp Alternator, Brushless w/Voltage - Regulator. Remote Sense is not available or needed with the PACCAR Alternator. At low engine RPM, the PACCAR Alternator puts out 80 amps versus 60 amps on other alternators. 12 Volt system with circuit protection for reliable easy maintenance & service. Weather pack silicone sealed electrical chassis connectors enhance valve, durability, reliability. Wires numbered every 4" or less.	
	PACCAR PX-9 380@1900 GOV@2100 1250@1400:(2013 emissions)includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life.N21320 N205 120..Standard Maximum Speed Limit (LSL)N21330 N207 O....Expiration DistanceN21340 P005 120..Hard Maximum Speed LimitN21350 P001 70...Maximum Accelerator Pedal Vehicle SpeedN21360 P110 0....Accelerator	
	Engine Idle Shutdown Timer Enabled – 0	
	Enable EIST Ambient Temp Override – 0	
	Eff EIST NA Expiration Miles – 0	
	Effective VSL Setting NA – 0	
	CARB Engine Idling Compliance - PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard. – 0	
	Immersion Type Block Heater 110-120V - Standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running. – 2	
	Battery Jumper Terminals Mtd In Front - Of Battery Box – 4	
	Kissling Battery Disconnect Switch - Mounted on battery box – 3	
	Engine Protection Shutdown - Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature. – 0	
	Curved Tip Standpipe(s) - 0	
	FF: Alcoa 823627 LVL1 Plt 22.5x12.25 Alm Whl - -82	
	Aluminum Space Saver Battery Box LH Back of Cab - -11	

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Chromed LH/RH Tri-plane Mirrors, Heated, Mounted to Doors. Chrome mirror shell/black arms. Fetures: Heated on All Three Surfaces, Upper/Lower Mirrors are Convex and Middle is a Flat Pane Motorized Mirror. Right Click on Option and Select Picture to See w Picture of the Mirror. -5

Order Code	Add Options	All Zones
	Allison 4500 RDS-P Transmisison, Gen 5Rugged Duty Series. Includes Rear Transmission Support, TranSynd Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter clutches on the shift selector. This information may be displayed using the Mode and UP and Down buttons. A wrench icon with also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation) Forward Ratios: 1st-4.70, 2nd 2.21, 3rd-1.53, 4th-1.00, 5th-0.76, 6th-0.67/Reverse Ratios: DR-(5.55) - 365	
	1810 HD Driveline, 1 Midship Bearing - 4.5in x .180 wall tubing - 70	
	1810 HS Driveshaft Between Main & Aux Trans - 20	
	(1) Dash Mounted Single Acting Air PTO Control - Standard with PTO engaged indicator light on Class 8 units. Occupies the space of one gauge. - 0	
	Allison 6-Speed Configuration, Wide Ratio Gears - Allison 4500 Transmission Only - 0	
	Allsion Output Function S Neutral Indicator - For PTO. Required on Refuse Packer Applicaitons. With this configuration NEUTRAL only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is the Neutral, the PTO switched On. Also, with this configuration Pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is On concurrently with shifting of the transmission to Neutral. - 0	
	Berg Pull Cord Drain Valve(s) - All Air Tanks - 0	
	Clear Outside Frame of All Air System Components LH BOC - 0	
	Clear Outside Frame of All Air System Components RH BOC - 0	
	Route air & Electric Lines to Allow Welding of sub frame to top of frame 8in forward of BOC to EOF - 0	
	FF: MN 20ply 425/65R22.5 XZU S - 92	
	RR: MN 16ply 11R22.5 XZY3 - Diameter= 41.8 inches; SLR=19.6 inches. Compares to Goodyear G288 MSa and Bridgestone M850 tread - 168	
	Code-rear Tire Qty 08	
	Code-rear Rim Qty 08 -	
	Location RH BOC 50 Gallon - 0	
	DEF Tank Mounted LH BOC - Models 210, 220 and 320 mounted LH cab fender - 0	
	Standard DEF to Fuel Ratio 2:1 or Greater - 0	
	Air Ride Driver - 0	
	Combo Fresh Air Heater/Air Conditioner - with radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses. - 4	
	ConcertClass wCD, Bluetooth Phone and Audio - Includes AM/FM, WB, USB and MPS. - 10	

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BASE PRICE:	\$109,800.00	\$109,800.00	\$109,800.00	\$109,800.00

Midlevel Speaker Package for Cab - (4) Speakers - 6	
Rain Gutters Over Driver and Passenger Doors - 8	
Ecco DS-1500 Reverse Motion Sensor - Use with backup alarm. - 0	
Backup Alarm (87-112 Decibels) - Self Adjusting - 6	
Warning Light Battery Disconnect, Switch Engaged - (Marker light) eternal mounted. - 0	
(5) Light Guards on Marker Lights - 2	
Daytime Running Lights - (Required on Canadian units)-0	
Standard Paint Color Selection -0	
(1) Color Axalta Two Stage - Cab/HoodBase Coat/Clear CoatN85020 A - L0006EB WHITE-StandN85500 CAB ROOF L0006EB WHITE - StandN85200 FRAME N0001EA BLACKN85700 BUMPER N0001EA BLACK -0	
Medium Duty Emmissions Surcharge - 0	
Presentation Created using Featured Spec - For Model - 0	
Model 320 - 16,060	
Refuse, Scrap – 0	
Residential Front Loader – 0	
United State Registry - 0	
Not Applicable - 0	
10-3/4in Steel Rails 306-342 in - 10.75x3.5x.375 Dimension, 2,136,000RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair – 229	
Full Steel Inner Liner – 701	
FEPTO Provision 4-7/8in Bumper Extension - Includes 1350 Series Front Drive PTO Attachment Provision, Radiator with PTO Cut-Out in Grille, Radiator Protection Sleeve, and Bumper Extension – 45	
(2) Solid Mount Cable Hooks – 0	
Taper Leaf Springs, Shocks 23,000 lbs - Standard with Heavy Resistance Shocks. – 410	
14,000	
18,000	
20,000	
23,000	
40,000	
44,000	
46,000	
52,000	
LH Drive	
RH Drive	
Allison 4,000	
Allison 3,500	

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Allison 4,500	
PX9	
ISX12	
MX11	
RH Frame Clearing for Automated Side Loaders	
Front PTO Availability	