



New Front Loading Refuse Truck Chassis

Preface

The City of Norman desires to purchase a new front loading (FL) refuse chassis. The unit to be proposed for purchase should be one which adheres to the design and specifications as listed here in. Any deviation from the specifications outlined must be addressed in writing on a separate attachment with the reason for non-comply explained in detail. All parties involved including the buyer, seller, supplying vendor and any persons of varying interest must sign as approval given to purchase. Prior to agreement to purchase, a purchase order from buyer is to be conveyed to selling vendor and recorded on the order. A unit which is delivered and is found to be manufactured in a manner that has deviated from the specifications as agreed upon by all parties will be rejected and will not be paid for until changes are a state level purchase contract or other government cooperative buying agreement. **The type of contract and contract number should be included on the quote to be given.** A time of estimated delivery to buyer of a complete unit should be decided upon and recorded on the quote. A unit delivered to the buyer’s location does not constitute acceptance on behalf of the City of Norman. The delivered item will undergo a check in process to determine if the unit meets the specifications set forth in the purchase agreement and agreed upon by all parties involved. Payment to seller will be made only after the unit is delivered and a written statement of acceptance is given to the vendor. Payment is typically made within 14 days of the acceptance of unit by the City of Norman but may be prolonged at times due to personnel issues or holidays.

Item to quote

Year.....Current, new year model.

Make.....Peterbilt desired.

Model.....320 series cab over. Left side drive.

Color.....Green. L0895EY, 2 part base and clear.

Contract buy.....Yes, contract specs plus buyer requests are needed.

Support/training.....Yes, on site, overview for maintenance and service with technicians and driver operation/maintenance points. Training time 3 hrs. Recurring if needed.

Engine.....Cummins ISL CNG, min 320HP, equipped with max HD cooling system. Shut down protection included. 2 speed fan clutch if available.

Trans.....Allison 4500 6 speed, rugged duty.

Drive.....Rear, tandem axle with Power Divider.

Fuel saver mode.....NO.

Idle time.....5 minutes.

Top speed.....65 MPH.



Frame..... 10.75"x 3.5"x .375, 120,000PSI YS. Include FEPTO option for front rails.

Frame inner liner steel..... Yes.

Frame space.....No open voids. Length to be determined by body.

Step considerations..... No step height over 18", non-slip type, handrail at steps.

Step locations..... Each entry door.

Mud flaps/fender..... These will be provided by the body installer.

Front pto.....Yes. Allow for FEPTO.

Front axle

Front axle..... Dana Spicer 20,000lb. 3.5" drop, 2 shocks.

Springs Frt..... Multi-leaf with minimum 23,000lb rating.

Steering TRW power steering, reservoir frame mounted.

Brakes..... Bendix air cam **drum**, gusseted cam brkts, long stroke 16.5"x6", ABS, Refuse Heavy Service.

****** Brake system will include air system drier mounted outside of left frame rail and to be Bendix AD-IS EP with heater, system must have an automatic moisture release valve. Must have reserve air tanks located in a safe area with the manual water drains easily accessible to driver. ******

Rear axle

Rear axle type-(2) Dana Spicer D46-170, 46,000 lb. rating, 2 shocks per.

Brakes..... long stroke, **drum**, ABS, Refuse Service, cam Reinforcement, 16.5"x7".

Traction control.....Yes.

Ratios..... To be determined by power needs.

Tandem with both drives..... Yes, Power Divider Type.

Suspension..... Hendrickson Haulmaxx 46,000lb., 60k creep rating.

******synthetic lubes, no sensors at lower half of differential, secured wheel speed wiring or wireless******

Electrical

Batteries3 Paccar wet type, 12v 800CCA ea or better.

Battery box.....Locate on driver side, aluminum cover, non Non-slip, dual hold downs, padded bottom.

Master cut off..... Preferred in cab on DS. Alternate location is D S rear corner of cab area, unobstructed access.

Alternator..... 130 amp or greater.

Daytime driving lights..... yes.

Lighted corner marker poles..... no.



Work lights.....yes, 2, rear facing on cab rear. Switched.
 2 front cab shield underneath, switched. LED flood.
 Headlights.....LED type.
 All other.....LED type for all other positions of lighting.
 In cab fan.....Auxiliary 12v fan in driver area.

Trailer lighting connector.....Yes. Include body modifier harness.
 Power outlets.....12v additional outlet in cab and USB charge port.

Tires, wheels

Wheels, 10.....10lug, steel, white, lug locks each lug nut, 22.5" dia.
 Tires, front 2.....Goodyear Dura-seal only, 315/85/22.5, G731 16 ply

Tires, rear 8.....Goodyear dura-seal MSD armor max 11r22.5

Cooling system

Radiator.....Equip with max capacity, HD.
 Filter.....Yes.
 Fan.....2 speed fan clutch if available.
 Shut down protection..... Enabled, if over temp reached, audible and visual warn
 with at least 60 second time delay before shut down.

Exhaust

Located on right side with chrome extension turned to side and curved 90* with slash cut
 Complete emissions system warranty in detail is needed for buyer records. To be included in
 Warranty packet.

Fuel system

Tanks (5).....to be supplied by body installer with CNG kit.
 Fuel cooler.....N-A
 D E F tank.....N-A

Bumper/towing

Front bumper..... HD front bumper, black, steel, allow for front pump
 Where applicable, Hook type tow anchors on frame,
 permanently mounted.
 Rear tow provision..... Not needed for FL.

Interior/exterior features

Color.....Gray or charcoal.
 Seat DS.....adjustable comfort settings, air ride, HD cloth
 Seat PS.....standard Peterbilt non air seat.
 Radio entertainment..... AM/FM, Bluetooth, weather band.



- Radio 2-way..... EF Johnson Viking by Stolz Telecom.
- Thermal and sound insulation.....Yes.
- Windows Lower door left side and cab corners. Rear 1 pc, split front, Power lift and lower for door windows.
- Mirrors.....Heated, West Coast Style.
Add high mounted convex 6", low mounted Convex 8" along with standard mirrors.
- Cameras- (will be done post mfg.)..... Provided by body supplier.
- Steering column..... Adjustable tilt/telescoping.
- Keys.....3 total.

- Security.....Include locks on DEF, hydraulic, fuel and battery cover if offered. [* Only item available from Peterbilt is a locking fuel cap*](#)

- Hvac-.....Able to maintain 70* regardless of outside temps.
- Auxiliary fan.....Place a 12v fan in drivers cab area.

- Cab shield.....Will be done as part of refuse body.
- Air horn-..... Chrome on cab roof.
- Back up warning.....Yes, audible, auto adjusting.
- Cab air suspension.....Yes if available, cab to be for severe service duty.
- Bug screen.....Yes.
- In cab-..... Fire extinguisher 5 lb., triangles, operator's manual, Pistol grip grease gun with grease-all mounted.
- Dealer branding.....Delete all branding of dealer or vendor on display.
- Securing components.....Secure all lines, hoses, wires, cables, etc. every 12" With HD zip ties or vinyl coated band clamp secured to frame or other non-moving component. Maintain most ground clearance possible in all areas.
- Lubrication.....Where possible extend all grease fittings to a common manifold of easy access for manual lubrication by driver.
[Peterbilt does not offer this feature. Body company may.](#)

Warranty

- Should include parts, labor, fluids, shop supplies and incidentals to be all inclusive.
- OEM Basic vehicle warranty5 yr. /150,000 mile, this was extended from 2 yr.
- Engine warranty 5 yr. / 150,000 mile.
- Fuel system 1 yr. / 150,000 mile.
- Emissions/after treatment warranties..... 5 yr. / 150,000 mile, include EGR system.
- Transmission.....5 yr. / 200,000 mile,
Torque convertor covered, fluid not included.



HVAC3 yr. / 225,000 miles.
Axles, rear drive3 yr. / 225,000 miles.
Axle, front steer2 yr. / 200,000 miles.

****Towing cannot be bought on CNG ISL engine equipped units****

~~**Towing should be provided for the term of 60 months/200,000 miles and administered under guidelines set forth in TSB # 16-67R in warrantee packet. Pickup and delivery service must be available during the term of warranties in effect and must be with in 6 hours of notification to servicing dealer or selling vendor. Some circumstances may require immediate attention if unit is on a roadway or at landfill.**~~

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Support and training

1. On site, overview for maintenance and service with technicians and driver operation/maintenance points. Include combination to 3 hrs. Recurring if needed.
2. Provide operators manuals in cab for driver.
3. Provide repair/service manuals on CD or USB memory stick and parts online access.
4. Provide subscriptions if needed for component diagnostic software for 1 year (Insite and others when available.)
5. Buyer will provide forms asking for specific data, part numbers, serial numbers and a listing of maintenance items needed. These are to be completed and delivered with the item purchased.
6. Provide a detail of recommended maintenance intervals and provide industry standard service times for each service performed.
7. A complete set of all filters used on the unit and a list of their part numbers must be included at delivery.
8. At delivery unit is to have been through the dealers PDI and should be detailed and ready for use. This will be checked at delivery.
9. Vendor should provide a free evaluation of the unit at 60 and 120 days followed by a written report of findings and recommended repairs is to be given to Fleet repair supervisor. This should be done once per year through 5 years after the first 120 day inspection.
10. Identify transport / delivery method used, i.e. trailer, driven, stack towed. Past issues with loose axle bolts caused from stack towing have been experienced. Dealer should check these prior to delivery.



Approved By:

Vendor Rep _____ Date _____ exceptions attached Y/N
Sales MGR _____ Date _____ exceptions attached Y/N

Subscribed and sworn to before me this _____ day of _____ 20____,

Notary _____

My commission expires _____

Reviewed by:

Fleet Superintendent _____ Date _____
Equipment Repair Supervisor _____ Date _____
Equipment Repair Supervisor _____ Date _____
Equipment Support Supervisor _____ Date _____

Date Ordered _____ P.O.# _____
Unit type: _____ Attachments _____
Year _____ Make _____ Model _____

Subscribed and sworn to before me this _____ day of _____ 20____,

Notary _____

My commission expires _____