

IFB 6100059634 Corrections 13 – Regular Cab F550 Dump Trucks Specs

1. Applicable Documents: The following standards, or applicable parts of the issue in effect on date of Invitation-Bid Proposal, shall apply at the discretion of interested Commonwealth agencies.
 - a. Commonwealth of Pennsylvania Motor Vehicle Code
 - b. Federal Motor Vehicle Safety Standards
 - c. NTEA Dump Body and Conversion Hoist Chart

2. Requirements: Unless otherwise stated in the bid, delivery requirements and required equipment shall be in accordance with PCID 1067, General Requirements for Delivery of Vehicles, most current version in effect at the time and date of bid opening. In addition, the following items shall be included:
 - a. Emergency warning triangle kit.
 - b. First aid kit, ten-person with mountable cabinet. COMMONWEALTH OF PENNSYLVANIA PENNSYLVANIA COMMERCIAL ITEM DESCRIPTION (PCID) Four Wheel Drive Commercial Vehicles PCID NO. 1105 Page 2 of 27
 - c. Fire extinguisher, 2A:10B:C, five-pound.
 - d. OSHA approved back-up alarm.
 - e. Manufacturer's standard AM-FM radio.
 - f. Paint color to be selected by ordering agency from manufacturer's standard color choices.
 - g. Radial, all-terrain type tires.
 - h. One cigar lighter/power port.

CHASSIS	17,500 lb. GVWR, minimum - Wheelbase compatible with specified body and cab-to-axle - Standard front bumper. - Dual front tow hooks -Snow plow prep package -Auxiliary switches convenient to driver
ENGINE	Gasoline engine, manufacturer's standard with highest available horsepower and torque. - Manufacturer's maximum capacity engine cooling available for model bid.
TRANSMISSION	Automatic with synthetic fluid and auxiliary transmission oil cooler. -Two (2) speed heavy duty transfer case. - Part-time four-wheel drive.
FRONT AXLE	Manufacturer's maximum capacity front GAWR with steering damper - Heavy duty front shock absorbers. - Power steering.
REAR AXLE	Manufacturer's highest capacity GAWR with single leaf auxiliary helper spring if available from manufacturer. - Heavy duty rear shock absorbers. - Limited Slip Differential
BRAKES	Hydro boost four-wheel ABS - Front & Rear Disc

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ELECTRICAL	12-volt maintenance free battery - 600 CCA @ 0°F. - Single alternator, highest available amperage available from the manufacturer - Manufacturer's standard gauge package
CAB	Air conditioning integral with the heater & defrosters - Cloth seats, 40/20/40 - Conventional cab with dome light or interior lights. - Fresh air hot water heater and defrosters. - Dual electric windshield wipers with intermittent feature. - Dual windshield washers including antifreeze type solvent. - Left and right door locks - Dual sun visors. - Non-glare inside mirror. Four Wheel Drive Commercial Vehicles PCID NO. 1105 Page 16 of 27 - Mirrors, trailer tow
WHEELS AND TIRES	Radial, BSW All-Terrain (dual rear wheels) on steel wheels, all positions.
Dump Body Upfit:	3/16" #5052 Aluminum construction, 9 ft. long – 84" wide inside. 12" high aluminum sides, 18" high double acting removable aluminum tailgate. ½ cab protector, double gussets for upper side boards, manual hand crank tarp, OSHA safety props, double panel sides, fully boxed top rail. Hand pull pin release upper tailgate, vertical tailgate braces, back-up warning alarm in compliance with OSHA regulations and the most current SAE J-994 requirements for the type of equipment specified. Amber comet flash strobe on cab shield in swing bracket with brush guard. Hoist: *Class 30 - 8.5-ton capacity, with specified body, underbody double lift arm or arm/scissors type with subframe and double acting cylinder, cab mounted controls, positive backstop. * Performance range and ton capacity as determined by NTEA Dump Body Hoist rating method using a minimum dump angle of 50° and a body overhang of 12". Hoist offered which is not listed in the latest edition of the NTEA Dump Body Hoist Chart will not be accepted. All body lighting shall be LED. 19-gallon fuel tank acceptable. All body lighting shall be LED.
Central hydraulics:	Shall have all functions to be operated by single pump, to include all body and spreader functions. The hydraulic pump shall be the largest pump available to match engine output, belt driven gear pump with electric clutch. The main valve shall be fully proportional electric over hydraulic. No hydraulic lines or valves to be installed in the cab. The ground speed function shall be included in the hydraulic system.
Trailer Towing Package to include as minimum:	Class V trailer hitch shall be installed on a 3/4" thick steel pull plate properly supported to frame and crossmember; heavy duty B40 type pull rings; aftermarket installation if necessary, 7 - wire harness with male & female plug, HD battery, HD flasher, HD alternator, HD front suspension, Front & rear stabilizer bar (if available), HD front & rear shock absorbers, Manufacturer's maximum capacity engine oil, transmission oil, engine cooling available for model bid.

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- Snowplow:** 9 ft., steel with power angling blade, 6" replaceable/reversible high carbon steel cutting edge, safety trip action, adjustable swivel runners, electronic power pack, controls conveniently located in the cab, auxiliary light kit mounted on lift frame including directional signals. Must have mount feature Ref: Western Ultra Mount or approved equal so that removal of lift frame shall also remove auxiliary snowplow lights. Vehicle bumper shall remain in same position as originally installed by vehicle manufacturer. Ref: Western Model IUTPP-90 or approved equal.
- Tailgate Spreader:** Screw auger, cross conveyor under tailgate type spreader with a full drop bottom trough and fully adjustable mechanical self-leveling spinner assembly. All welds to be continuous and shall be cleaned and deburred on all sharp edges. The spreader shall have ground speed included in the system. Overall dimensions approximately 96" long x 17" wide. Auger to be minimum 6" diameter. Trough to be approximately 10" wide by 9" deep. Trough frame to be constructed of 7 gauge, 2 channel design running full length with welded-on offset spinner assembly mounting hardware. Trough cover to be 7-gauge full drop type with offset hinges and shall have a full 250 degree opening frame for easy clean out maintenance. Lifting handle and cover latch assemblies to be T304 stainless steel. Trough end plates to be offset ¼" plates with all cutouts for top cover latches, bottom trough latches, chain lifting eyes, bearing, motor and gearbox mounting plates. Bottom trough to be 7-gauge full drop-down design with stainless steel safety stop latches for easy and safe clean out and one-person safe operation. Bottom trough to be mounted to top trough by means of a welded Four-Wheel Drive Commercial Vehicles PCID NO. 1105 Page 17 of 27 hinge design utilizing all T304 stainless steel hardware. Auger flighting shall be 6" diameter with 3/8" thick flighting mounted to a 2" pipe complete with a 1 ¼" diameter stub shaft UHMU expansion bushings in a side pipe ends (for ease of maintenance and screw auger removal). The auger shall be supported by two heavy duty industrial malleable iron two-hole flange ball bearings. Bi-directional flighting. Auger drive, whether direct, gearbox or chain/sprocket, must match up with specified spreader controls. The spinner assembly shall be a self-leveling swing away all-in-one full height adjustable spinner assembly. The spinner device must have a minimum of 10" horizontal adjustment. Spinner assembly must have sufficient vertical adjustment so as to not hit the ground when the bed is raised. The spinner itself must be an 18" diameter polyurethane disc with molded bi-directional flights. The entire assembly must be able to swing fully out of the way to clear the bottom drop trough when trough is open. The spinner disc shall be direct drive by a Char-Lynn hydraulic motor. An electronic controller shall be installed inside of the cab.