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## Long Island Region Dump Truck Specifications

### **Heavy Duty 4WD Dump Truck (IH 7400 SFA 4x4 (SR525) or Equivalent) With Reversing Front Highway Snow Plow (Combination Dump/Snow Plow)\***

#### **A. General**

Conventional 2-Man Cab and Chassis.  
Wheelbase to accommodate dump body and equipment.  
4 wheel drive. (Must be capable of driving on beach sand).  
Tandem (Side by Side) Rear Wheels/Tires (4 Total Rear Wheels)  
Requested GVRW 35,000 (Approx.). Rating 35350  
Grade ability 28.5  
Double "C" channel heat treatment frame  
Powder coated gray heavy duty steel bumper  
Front tow hooks  
Vehicle must meet all Federal and State safety standards.

#### **B. Front Driving Axle**

Single reduction. 13,000 lb. capacity (Approx.)

#### **C. Rear Axle**

Single reduction  
23,000 lb. capacity (Approx.)  
Wheel ends gear ratio of 5.63 (Approx.)  
Springs  
Magnetic drain plug  
Synthetic rear axle oil  
Driver controlled locking differential  
Must be capable of carrying a 4.5 cu yd sander.

#### **D. Brakes**

Dual air brake ABS system  
15.9 CFM compressor  
Air dryer with heater  
Front and rear brake dust shields  
Automatic slack adjusters  
Twist type drain valve  
Spring brake modular valve  
16.5"x6" front brakes  
Pull chain air tank drain valves  
16.5"x7" rear brakes  
Pull chain air tank drain valves  
Trailer connections with hand control valve and tractor protection valve  
Rear brake chambers mounted inside rear tire envelope for paver clearance.

**E. Exhaust**

Horizontal or vertical exhaust

Frame mounted right side under cab with vertical turn-back tailpipe and heat shield.

**F. Electrical**

12-volt system

160 Amp alternator

Back up alarm

Standard AM/FM radio

Dual roof mounted air horns

Electric horn

Electric wipers

(3) 12 volt 1950 CCA Batteries

Electronic Brake Control – installed in cab and wire to trailer plug

Sight oil gauge

Low oil pressure/high water temperature alarm and shutdown systems

Halogen headlights, daytime running lights

Intermittent wipers

Color coded/continuously numbered wiring

Thermo over-crank protection starter motor

Battery disconnect switch

7-way trailer connection socket on rear frame

Auxiliary power source

Revolving amber beacon on cab roof

Amber strobe lights on back of vehicle body

Engine block heater

Oil level sensor w/PTO provision-80,000 GVWR max.

Plow Lights

Sander lights.

Flashing rear lights

All required D.O.T. lighting

**G. Engine**

Heavy Duty turbocharged Diesel engine

270 HP minimum, 860 ft. lbs. torque

Air cleaner restriction

Magnetic drain plug

Spin on oil, water and fuel filters

Fuel/water separator

(Minus) 40 degree anti-freeze.

**H. Transmission**

Automatic transmission with overdrive on/off button

Double low gear range

Magnetic pan plug

Oil cooler

**I. Fuel Tank**

79 gallon aluminum D style tank with quick connect outlet  
Nylon tubing fuel lines with O-ring snap on quick connect fittings at both ends  
Fuel filter  
9.5 gallon fuel cooler.

**J. Cab**

Heavy duty Steel or Aluminum cab  
High back air suspension lumbar driver's seat  
Fixed high back passenger seat  
Interior grab handles  
Mirrors – heated with 8" spot mirrors  
5 cab clearance marker lights  
Engine hour meter  
Trip odometer  
Complete gauge package  
Dome light  
Fault code readout  
Tinted glass  
Visible & audible warning system for low fuel, oil pressure, high temp and low voltage  
Cab sound insulation  
Air conditioning  
Cab air suspension  
Cab Steps  
Hydraulic oil line shut-off  
Cab/Axle ratio must be correct for requested plow/sander combo

**K. Wheels**

Steel powder coat hub piloted wheels  
Oil lubricated wheel seals  
**Tires:** Front: 11R22.5 14-ply, load range G Rear: 11R22.5 load range G.

**L. Engine Cover/Hood**

Tilted front hitch assembly  
Tilting 3 piece hood  
Rubber fender extensions  
Under-hood insulation.

**M. Snow Plow**

10' Power Reversing snow plow with Full tipping moldboard  
(8) ½" x 3 ½" edge rolled ribs for strength  
One piece moldboard  
2 adjustable compression springs  
Extended push bar  
10' plow length, 42" plow height, one piece 5/8" x 8" cutting edge – carbide tip  
Plow sight markers  
Carbide shoes  
Plow Light package  
3 handle Cable Control – Pedestal Mount (PTO/Raise/Tilt)

**N. Dump Body**

Approx. 12' x 7' dump body  
28in. sides, 38 in. ends  
10 gauge steel side construction, 8 gauge steel floor  
Standard tailgate (Air operated tailgate optional)  
2 way underbody hoist with sub-frame; cab shield  
Built in hydraulic connections to attach to salt spreader hoses.  
Removable folding ladder attached to side body  
7 way trailer plug located in Pintle plate  
Hard wood side boards  
25 ton Pintle hook mounted on ¼ plate with 1" D rings  
Spreader apron

**O. Paint and Miscellaneous**

Premium Green custom paint, fire extinguisher, flare kit  
PTO Driven Pump w/ Disconnect; Approx. 35 gal. frame mounted oil reservoir w/ cartridge filters.  
All Required D.O.T. Lighting  
Provide owner/operator manual, vehicle and equipment specifications.  
Schedule and provide mechanic training session.