

Invitation to Bid

Medium Duty Dump Truck

Awarding Authority: The Town of Scituate
Department of Public Works
November 2019

Bids will be received at the Town Clerk's Office, 195 Danielson Pike, North Scituate, RI 02857 until 10:00 AM prevailing time on December 10, 2019 at which time they will be opened publicly in the Council Chambers.

Specifications and information for bidders may be obtained on the Town's web site SCITUATERI.ORG and in the Town Clerk's Office. All questions relating to specifications should be referred to Chief Mechanic Dean Randall at 401-647-3366.

The right is reserved to waive any informalities in or to reject any and all bids received, and to award the contract to any of the contractors bidding, if, in the Town of Scituate's opinion, the best interests of the Town will thereby be promoted. No award will be made to any bidder who cannot satisfy the Town of Scituate and any or all of its Public Works Department specifications. Each bidder shall prove that they have sufficient product manufacturing capabilities, proof of product availability and a written realistic delivery time. The Town's decision or judgement on these matters will be final, conclusive and binding.

Each bid will be submitted in two parts. Option one would be the price of the bare cab and chassis as specified or better quality, registered in RI and delivered to Public Works. Option two would be the price completely outfitted with the dump body; hydraulic system, plow frame and tow hitch as specified in the attached pages.

Each bid shall be submitted in a sealed inner and outer envelope bearing on the outside the name of the bidder, the address and item bid (Medium Duty Dump Truck). Envelopes containing this information are to be clearly labeled to protect against opening prior to the time set.

Bid should be awarded at the Town Council Meeting on December 12, 2019 which starts at 7:00 PM.

General Service

TRUCK CONFIGURATION
DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
UTILITY/REPAIR/MAINTENANCE SERVICE
GOVERNMENT BUSINESS SEGMENT
DIRT/SAND/ROCK COMMODITY
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
MAXIMUM 8% EXPECTED GRADE
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
FREIGHTLINER SD VOCATIONAL WARRANTY
EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs
EXPECTED REAR DRIVE AXLE(S) LOAD : 26000.0 lbs
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 42000.0 lbs

Truck Service

FRONT PLOW/END DUMP BODY
EXPECTED TRUCK BODY LENGTH : 10.0 ft
VIKING CIVES, LTD.

Engine

CUM L9 330 HP @ 2000 RPM, 2200 GOV RPM,
1000 LB/FT @ 1400 RPM

Electronic Parameters

75 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
PTO RPM WITH CRUISE SET SWITCH - 700 RPM
PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM
PTO MODE CANCEL VEHICLE SPEED - 5 MPH
PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND
PTO MINIMUM RPM - 700
REGEN INHIBIT SPEED THRESHOLD - 5 MPH

Engine Equipment

2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF HOOD)
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER AND INSIDE/OUTSIDE AIR WITH SNOW DOOR
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES
BATTERY BOX FRAME MOUNTED
STANDARD BATTERY JUMPERS
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
NON-POLISHED BATTERY BOX COVER

CAB AUXILIARY POWER CABLE

POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT

POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER

CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE

ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM

CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH, ACTIVATES STOP LAMPS

RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH

11 FOOT 00 INCH (132 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT

RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP

6 GALLON DIESEL EXHAUST FLUID TANK

100 PERCENT DIESEL EXHAUST FLUID FILL

STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING

LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION

STANDARD DIESEL EXHAUST FLUID TANK CAP

STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD

HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE

AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED

CUMMINS SPIN ON FUEL FILTER

COMBINATION FULL FLOW/BYPASS OIL FILTER

1115 SQUARE INCH ALUMINUM RADIATOR

ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT

GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT

CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES

RADIATOR DRAIN VALVE

1350 ADAPTER FLANGE FOR FRONT PTO PROVISION

PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER

BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR

ELECTRIC GRID AIR INTAKE WARMER

DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 3500 RDS AUTOMATIC TRANSMISSION
WITH PTO PROVISION

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 223 -
AVAILABLE ON 3000/4000 PRODUCT FAMILIES
WITH VOCATIONAL MODELS RDS, HS, MH AND
TRV

ALLISON VOCATIONAL RATING FOR ON/OFF
HIGHWAY APPLICATIONS AVAILABLE WITH ALL
PRODUCT FAMILIES

PRIMARY MODE GEARS, LOWEST GEAR 1,
START GEAR 1, HIGHEST GEAR 6, AVAILABLE
FOR 3000/4000 PRODUCT FAMILIES ONLY

SECONDARY MODE GEARS, LOWEST GEAR 1,
START GEAR 1, HIGHEST GEAR 6, AVAILABLE
FOR 3000/4000 PRODUCT FAMILIES ONLY

S2 PERFORMANCE 2 PRIMARY SHIFT
SCHEDULE, AVAILABLE FOR 3000/4000
PRODUCT FAMILIES ONLY

FIXED 2 SECONDARY SHIFT SCHEDULE,
AVAILABLE FOR 3000/4000 PRODUCT FAMILIES
ONLY

2200 RPM PRIMARY MODE SHIFT SPEED

2200 RPM SECONDARY MODE SHIFT SPEED

FUEL SENSE 2.0 DISABLED - PERFORMANCE -
TABLE BASED

DRIVER SWITCH INPUT - DEFAULT - NO
SWITCHES

MAXIMUM ENGINE SPEED FOR PTO
ENGAGEMENT 900 RPM

MAXIMUM ENGINE SPEED FOR PTO
OPERATION 2700 RPM

MAXIMUM OUTPUT SPEED FOR PTO
OPERATION 4000 RPM - ALLISON 5TH GEN
TRANSMISSIONS

VEHICLE INTERFACE WIRING CONNECTOR
WITHOUT BLUNT CUTS, AT BACK OF CAB

ELECTRONIC TRANSMISSION CUSTOMER
ACCESS CONNECTOR MOUNTED BACK OF CAB

CUSTOMER INSTALLED CHELSEA 280 SERIES
PTO

PTO MOUNTING, LH SIDE OF MAIN
TRANSMISSION

MAGNETIC PLUGS, ENGINE DRAIN,
TRANSMISSION DRAIN, AXLE(S) FILL AND
DRAIN

PUSH BUTTON ELECTRONIC SHIFT CONTROL,
DASH MOUNTED

TRANSMISSION PROGNOSTICS - ENABLED 2013

WATER TO OIL TRANSMISSION COOLER, IN
RADIATOR END TANK

TRANSMISSION OIL CHECK AND FILL WITH
ELECTRONIC OIL LEVEL CHECK

SYNTHETIC TRANSMISSION FLUID (TES-295
COMPLIANT)

Front Axle and Equipment

MFS-16-143A 16,000# FL1 71.5 INCH KPI/3.74
INCH DROP SINGLE FRONT AXLE
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT
BRAKES, DOUBLE ANCHOR, FABRICATED
SHOES
NON-ASBESTOS FRONT BRAKE LINING
CAST IRON OUTBOARD FRONT BRAKE DRUMS
FRONT BRAKE DUST SHIELDS
FRONT OIL SEALS
VENTED FRONT HUB CAPS WITH WINDOW,
CENTER AND SIDE PLUGS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
MERITOR AUTOMATIC FRONT SLACK
ADJUSTERS
STANDARD KING PIN BUSHINGS
TRW TAS-85 POWER STEERING
POWER STEERING PUMP
4 QUART POWER STEERING RESERVOIR
OIL/AIR POWER STEERING COOLER
SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

18,000# FLAT LEAF FRONT SUSPENSION
GRAPHITE BRONZE BUSHINGS WITH SEALS -
FRONT SUSPENSION
NO FRONT SUSPENSION OPTIONS
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RS-26-185 26,000# T-SERIES SINGLE REAR
AXLE
6.14 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD
AXLE HOUSING
MXL 17T MERITOR EXTENDED LUBE MAIN
DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION
DIFFERENTIAL - SINGLE REAR AXLE
(1) DRIVER CONTROLLED DIFFERENTIAL LOCK
REAR VALVE FOR SINGLE DRIVE AXLE
BLINKING LAMP WITH EACH MODE SWITCH,
DIFFERENTIAL UNLOCK WITH IGNITION OFF,
ACTIVE <5 MPH
MERITOR 16.5X7 P CAST SPIDER CAM REAR
BRAKES, DOUBLE ANCHOR, CAST SHOES
NON-ASBESTOS REAR BRAKE LINING
BRAKE CAMS AND CHAMBERS ON FORWARD
SIDE OF DRIVE AXLE(S)
WEBB HEAVY WEIGHT CAST IRON REAR BRAKE
DRUMS
REAR BRAKE DUST SHIELDS
REAR OIL SEALS
BENDIX EVERSURE LONGSTROKE 1-DRIVE
AXLE SPRING PARKING CHAMBERS
HALDEX AUTOMATIC REAR SLACK ADJUSTERS
WITH STAINLESS STEEL CLEVIS PINS
SYNTHETIC 75W-90 REAR AXLE LUBE
STANDARD REAR AXLE BREATHER(S)

Rear Suspension

30,000# FLAT LEAF SPRING REAR SUSPENSION
WITH HELPER AND RADIUS ROD
SPRING SUSPENSION - NO AXLE SPACERS
STANDARD AXLE SEATS IN AXLE CLAMP
GROUP
FORE/AFT CONTROL RODS

Brake System

WABCO 4S/4M ABS
REINFORCED NYLON, FABRIC BRAID AND WIRE
BRAID CHASSIS AIR LINES
FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
STANDARD AIR SYSTEM PRESSURE
PROTECTION SYSTEM
STD U.S. FRONT BRAKE VALVE
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE,
NO REAR PROPORTIONING VALVE
BW AD-9 BRAKE LINE AIR DRYER WITH HEATER
AIR DRYER FRAME MOUNTED
STEEL AIR BRAKE RESERVOIRS
BW DV-2 AUTO DRAIN VALVE WITH HEATER TO
WET TANK; DRAIN VALVE CABLES ON ALL
OTHER TANKS

Trailer Connections

UPGRADED CHASSIS MULTIPLEXING UNIT

Wheelbase & Frame

4125MM (162 INCH) WHEELBASE
7/16X3-9/16X11-1/8 INCH STEEL FRAME
(11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
BODY COMPANY INSTALLED ADDITIONAL
FRONT FRAME REINFORCEMENT FOR SNOW
PLOW
1600MM (63 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 61 INCH TO 70
INCH
24 INCH INTEGRAL FRONT FRAME EXTENSION
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :
96.85 in
CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA) : 93.85 in
CALC'D FRAME LENGTH - OVERALL : 290.55
CALCULATED FRAME SPACE LH SIDE : 60.17 in
CALCULATED FRAME SPACE RH SIDE : 167.18
in
CALC'D SPACE AVAILABLE FOR DECKPLATE :
96.45 in
SQUARE END OF FRAME
FRONT CLOSING CROSSMEMBER

LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE
CROSSMEMBER
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment

14 INCH PAINTED STEEL BUMPER
FRONT TOW HOOKS - FRAME MOUNTED
BUMPER MOUNTING FOR SINGLE LICENSE
PLATE
GRADE 8 THREADED HEX HEADED FRAME
FASTENERS

Fuel Tanks

50 GALLON/189 LITER SHORT RECTANGULAR
ALUMINUM FUEL TANK - LH
RECTANGULAR FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH PAINTED
BANDS
FUEL TANK(S) FORWARD
PLAIN STEP FINISH
FUEL TANK CAP(S)
DETROIT FUEL/WATER SEPARATOR WITH
WATER IN FUEL SENSOR, HAND PRIMER AND
12 VOLT PREHEATER"
EQUIFLO INBOARD FUEL SYSTEM
NO NATURAL GAS VEHICLE FUEL TANK VENT
LINE/STACK
HIGH TEMPERATURE REINFORCED NYLON
FUEL LINE
INSULATION FOR FUEL LINES

Tires

MICHELIN X WORKS Z 315/80R22.5 20 PLY
RADIAL FRONT TIRES
MICHELIN XDS 12R22.5 16 PLY RADIAL REAR
TIRES

Hubs

CONMET PRESET PLUS PREMIUM IRON FRONT
HUBS
CONMET PRESET PLUS PREMIUM IRON REAR
HUBS

Wheels

ACCURIDE 29300 22.5X9.00 10-HUB PILOT 6.38
INSET 5-HAND STEEL DISC FRONT WHEELS
ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-
HAND HD STEEL DISC REAR WHEELS
NO FRONT HUB COVERS

Cab Exterior

108 INCH BBC FLAT ROOF ALUMINUM
CONVENTIONAL CAB
AIR CAB MOUNTING
NONREMOVABLE BUGSCREEN MOUNTED
BEHIND GRILLE
SHORT FENDER WITH MUDFLAP
LH AND RH GRAB HANDLES
STATIONARY BLACK GRILLE
BLACK HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD
TUNNEL/FIREWALL LINER
SINGLE 14 INCH ROUND POLISHED AIR HORN
ROOF MOUNTED
DUAL ELECTRIC HORNS
SINGLE HORN SHIELD
DOOR LOCKS AND IGNITION SWITCH KEYED
THE SAME WITH (4) KEYS
REAR LICENSE PLATE MOUNT END OF FRAME
HALOGEN COMPOSITE HEADLAMPS WITH
BLACK BEZELS
LED AERODYNAMIC MARKER LIGHTS
INTEGRAL STOP/TAIL/BACKUP LIGHTS
STANDARD FRONT TURN SIGNAL LAMPS
NO WORK LIGHT
DUAL WEST COAST MOLDED-IN COLOR
HEATED MIRRORS
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH 8 INCH MOLDED-IN COLOR CONVEX
MIRRORS MOUNTED UNDER PRIMARY
MIRRORS
RH DOWN VIEW MIRROR
STANDARD SIDE/REAR REFLECTORS
RH AFTERTREATMENT SYSTEM CAB ACCESS
WITH POLISHED DIAMOND PLATE COVER
63X14 INCH TINTED REAR WINDOW

TINTED DOOR GLASS LH AND RH WITH TINTED
OPERATING WING WINDOWS
MANUAL DOOR WINDOW REGULATORS
LOWER RH DOOR WINDOW WITH FRESNEL
LENS
TINTED WINDSHIELD
8 LITER WINDSHIELD WASHER RESERVOIR,
CAB MOUNTED. WITH FLUID LEVEL INDICATOR

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANEL WITHOUT
VINYL INSERT WITH ALUMINUM KICKPLATE
LOWER DOOR
MOLDED PLASTIC DOOR PANEL WITHOUT
VINYL INSERT WITH ALUMINUM KICKPLATE
LOWER DOOR
BLACK MATS WITH SINGLE INSULATION
DASH MOUNTED ASH TRAY(S) WITHOUT
LIGHTER
FORWARD ROOF MOUNTED CONSOLE WITH
UPPER STORAGE COMPARTMENTS WITHOUT
NETTING
(2) CUP HOLDERS LH AND RH DASH
GRAY/CHARCOAL WING DASH
SMART SWITCH EXPANSION MODULE
2-1/2 LB. FIRE EXTINGUISHER
FIRST AID KIT
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING WITH SNOW
SHIELD FOR FRESH AIR INTAKE
MAIN HVAC CONTROLS WITH RECIRCULATION
SWITCH
STANDARD HEATER PLUMBING
VALEO HEAVY DUTY A/C REFRIGERANT
COMPRESSOR
BINARY CONTROL, R-134A
STANDARD INSULATION
SOLID-STATE CIRCUIT PROTECTION AND
FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED
BY LH AND RH DOORS
CAB DOOR LATCHES WITH MANUAL DOOR
LOCKS

(2) 12 VOLT POWER RECEPTACLES MOUNTED
IN DASH
TRIANGULAR REFLECTORS WITHOUT FLARES
BASIC HIGH BACK AIR SUSPENSION DRIVER
SEAT WITH MECHANICAL LUMBAR AND
INTEGRATED CUSHION EXTENSION
BASIC HIGH BACK NON SUSPENSION
PASSENGER SEAT
DUAL DRIVER SEAT ARMRESTS, NO
PASSENGER SEAT ARMRESTS
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
BLACK CORDURA PLUS CLOTH DRIVER SEAT
COVER
BLACK CORDURA PLUS CLOTH PASSENGER
SEAT COVER
BLACK SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING
STEERING COLUMN
4-SPOKE 18 INCH (450MM) STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN
VISORS
NO ENTRY/ACCESS/STEP WIRING

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL
GRAY CENTER INSTRUMENT PANEL
BLACK GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND
AUDIBLE ALARM
2 INCH PRIMARY AND SECONDARY AIR
PRESSURE GAUGES
INTAKE MOUNTED AIR RESTRICTION
INDICATOR WITHOUT GRADUATIONS
97 DB BACKUP ALARM
ELECTRONIC CRUISE CONTROL WITH
SWITCHES ON AUXILIARY GAUGE PANEL (B
DASH PANEL)
KEY OPERATED IGNITION SWITCH AND
INTEGRAL START POSITION; 4 POSITION
OFF/RUN/START/ACCESSORY
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28
LED WARNING LAMPS AND DATA LINKED
HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR LOCATED BELOW LH
DASH
2 INCH ELECTRIC FUEL GAUGE

PROGRAMMABLE RPM CONTROL -
ELECTRONIC ENGINE
ELECTRICAL ENGINE COOLANT TEMPERATURE
GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE
GAUGE
ENGINE AND TRIP HOUR METERS INTEGRAL
WITHIN DRIVER DISPLAY
(1) DASH MOUNTED PTO SWITCH WITH
INDICATOR LAMP
ELECTRIC ENGINE OIL PRESSURE GAUGE
AM/FM/WB WORLD TUNER RADIO WITH
BLUETOOTH AND USB AND AUXILIARY INPUTS,
J1939
DASH MOUNTED RADIO
(2) RADIO SPEAKERS IN CAB
AM/FM ANTENNA MOUNTED ON FORWARD LH
ROOF
ELECTRONIC MPH SPEEDOMETER WITH
SECONDARY KPH SCALE, WITHOUT
ODOMETER
STANDARD VEHICLE SPEED SENSOR
ELECTRONIC 3000 RPM TACHOMETER
IGNITION SWITCH CONTROLLED ENGINE STOP
SIX ON/OFF ROCKER SWITCHES IN THE DASH
WITH INDICATOR LIGHTS; FOUR WIRE TO
CHASSIS AT BACK OF CAB, TWO UNWIRED,
LABEL ALL OPT
PRE-TRIP LAMP INSPECTION, ALL OUTPUTS
FLASH, WITH SMART SWITCH
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH
DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR
WITH DELAY AND ARCTIC TYPE BLADES
MARKER LIGHT SWITCH INTEGRAL WITH
HEADLIGHT SWITCH AND DUAL CONNECTORS
AND SWITCH FOR CUSTOMER FURNISHED
SNOW PLOW LIGHTS, LOW BEAMS OFF WITH
HIGH BEAMS
ONE VALVE PARKING BRAKE SYSTEM WITH
WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH
DIMMER, WASHER/WIPER AND HAZARD IN
HANDLE
INTEGRAL ELECTRONIC TURN SIGNAL
FLASHER WITH HAZARD LAMPS OVERRIDING
STOP LAMPS

Design

PAINT: ONE SOLID COLOR

Color

CAB COLOR A: L0662EB YELLOW ELITE BC
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
POWDER WHITE (N0006EA) FRONT
WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
POWDER WHITE (N0006EA) REAR
WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
STANDARD BLACK BUMPER PAINT
STANDARD E COAT/UNDERCOATING

Certification / Compliance

U.S. FMVSS CERTIFICATION, EXCEPT SALES
CABS AND GLIDER KITS

Secondary Factory Options

CORPORATE PDI CENTER IN-SERVICE ONLY
NO CUSTOMER FURNISHED MATERIAL SPECIFIED
DEALER/CUSTOMER ADVISED AND ACCEPTS
BUMPER SHOULD BE REMOVED PRIOR TO
RECOVERING/TOWING THE VEHICLE PER
FRACAS:11687

Raw Performance Data

CALC'D FRAME LENGTH - OVERALL : 290.55
CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA) : 93.85 in
CALC'D SPACE AVAILABLE FOR DECKPLATE :
96.45 in

Extended Warranty

CUM 2017 L9: HD1 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM
EXTENDED WARRANTY. FEX APPLIES
CUM 2017 L9: AT3 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM
AFTERTREATMENT. FEX APPLIES
ALLISON 3500 RDS SERIES TRANSMISSION EXTEND WARRANTY, 5
YEARS/UNLIMITED MILES FEX
TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING
COVERAGE \$550 CAP FEX APPLIES

VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Wheelbase (545)	4125MM (162 INCH) WHEELBASE
Rear Frame Overhang (552)	1600MM (63 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPERCAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

Dimensions	Inches
Bumper to Back of Cab (BBC)	133.3
Bumper to Centerline of Front Axle (BA)	67.7
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	96.9
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	93.9
Back of Cab Promotions (Exhaust/Intake) (CP)	0.0
Back of Cab Promotions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Promotions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	159.8
Cab Height (CH)	71.8
Wheelbase (WB)	162.4
Frame Overhang (OH)	63.0
Overall Length (OAL)	293.1
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	42.3

Option two

Dump body, front plow and rear trailer frame specifications as specified or of better quality.

Body & Plow Hitch

Heil (Duraclass) 10' Heavy Duty dump body model HH with 8GA sides and front-3/16" floor and tailgate, 12" on center lbeam crossmembers, 1821 underbody twin arm lift hoist- cab shield, forgiving ladder left side front, poly rear fenders with SS mounting hardware, shovel holder, body up light, body prop, 1/2" pintle plate with D-Rings, Oval grommet mounted LED flashers 4 front and 2 rear-LED S/T/T and back up lights installed in the rear post, Electric load cover installed and operational, three coal door installed in the tailgate, reflective tape, Complete package installed and operational, Painted, .
Central hydraulic system consisting of a front run crankshaft driven air shift PTO with a direct mount gear pump, stack type valving to control plow/body, controls and cables, hoses and couplers, all hydraulic hoses covered, stainless steel lines, Muncie electric sander control, frame mounted hydraulic tank, shut off, return filter, complete system installed and operational.
Viking custom low mount tilt over plow hitch with 4"x10" DA lift cylinder, 30 1/2" drive ears, installed and operational including hood mounted 80800 plow lights.

Plow Lights

Mounted on hood with reinforced plates on hood, high powered halogen head lights with directional and a stainless steel housing frame

Central Hydraulic

All hoses wrapped in nylon hose guard. 30-gallon hydraulic tank. Filter on return shut off on both sides.

Front engine mount PTO and pump

Hydraulic pump (MP25X304BEIT20-99)

PTO adapter reduction gearbox (2442S-A2XK)

To match hydraulic pump. Chelsea with air valve.

Commercial hydraulic valve body

Left angle, right angle, plow up and down with detent lock down and dump up and power down.

Levers inside cab with stainless bonnet cables to valve body. Return junction block reservoir. Stainless steel pipes go back to sander. Hook ups, two 1/2" and one 3/4" pipe. Mount PTO air switch inside cab. Digital switch board for sander control. Spinner valve mounted on frame with enclosed box.

One 5/8" pintle plate. 30-ton pintle hook, swivel. Mount factory glad hand and trailer plug in plate with two tow hooks.