



Memo

To: Honorable Mayor & City Council,

From: Utility Superintendent Victor Kane

CC: City Administrator Dylan Mulfinger

Reference: New Dump Truck & Snow Plow Equipment

Date: 03/18/21

Greetings,

We have received quotes on a 2022 dump truck from Dons Trucks and Thompson Truck & Trailer.

Thompson quoted an International with Henderson accessories. Base bid of \$117,250.00. We recommend adding Option 1, 2 & 3, on the Henderson package, for an additional \$10,875.00. Bringing the total quote to \$136,715.00. The estimated delivery is November 2021.

Dons Truck Sales quoted a Freightliner with Henderson accessories. Base Bid of \$128,485.00. We recommend adding the 201 Stainless Steel option for an additional \$2,850.00. After receiving the quote, we were informed to add \$2,500 due to a delivery issue I will explain later. Bringing the total quote to \$133,835.00. The estimated delivery sometime in 2023.

Currently Dons is unable to place orders for a Freightliner. They were informed on 3/16/2021 that all Freightliner 108SD trucks are on hold until further notice. That at such time as they are released to be ordered, a new concession will have to be applied for and the truck will be repriced as a 2023 model. It is the dealerships best estimate that the \$2,500.00 will cover the price increase once they can order it.

The difference between quotes is \$2,880.00 using the "estimated" increase. Dons Truck is now quoting a 2023 for less than Thompsons 2022. However, they are uncertain of delivery date (some time in 2022) and what the associated cost will actually be. I would recommend to purchase from Thompson Truck for \$136,715.00.

Thank you for your time.
Victor Kane

From the Desk of
Oelwein Utility Superintendent Victor Kane



Don's Truck Sales



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Fax: 319.635.2231

102 1st Street South
Fairbank, IA 50629

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trucks@donstrucksales.com

www.customclassictrailer.com
trailers@customclassictrailer.com

March 3, 2021

City of Oelwein
20 Second Ave. SW
Oelwein, IA 50662

Mayor and City Council:

Below is the bid price on a new snow plow truck and equipment. Please let me know if you have any questions.

Sincerely,

Gene Carpenter

2022 Freightliner 108SD with	\$ 128,485.00
11' Dump Body	
Load Sensing Hydraulic System	
11' Reversible Snow Plow	
8' Wing Plow	
Tailgate Sander	

Option:	
11' Dump Body – 201 Stainless Steel ILO Mild Steel	Add \$ 2,850.00

From: Gene Carpenter <Gene.C@donstrucksales.com>

Sent: Wednesday, March 17, 2021 4:44 PM

To: Herb Doudney <HDoudney@cityoffoelwein.org>

Subject: New Truck Quote

Herb:

We were informed today that all Freightliner 108SD trucks like the one we have bid you are on hold until further notice. At such time as they are released to be ordered, a new concession will have to be applied for and the truck will be repriced as a 2023 model. At that time, we will have to revise our quote to you with new pricing. Historically a model year increase is around \$1200 so if the government concession remains the same with an expected equipment price increase, I am hoping to keep the price increase for your unit under \$2500.

I am very sorry to have to give you this news but I wanted to inform you ASAP. Feel free to give me a call with any questions.

Sincerely

Gene Carpenter



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20 Second Ave. SW
Oelwein, IA 50662

Truck Equipment Bid:

Dump Body:

11' Henderson Mark E-SA Dump Body

Mild Steel

Option: 201 Stainless Steel Body

UB-8-21 DA Hoist

3/16" AR-400 Floor

24" Sides, 32" Tailgate

10" I-Beam Long Sills

10 ga. Sides and Head

Single Weld-on Side Brace

7 ga Tailgate

Two Horizontal Tailgate Braces

Air Tailgate Release – Air Brake Chamber Type

16" x 78" Cab Shield – Mild Steel

Option: 201 SS

LED Light Kit – Stop/Turn/Tail Lights

Rear LED Strobe Lights

Front Whelen L31 Strobe Light

Poly Quarter Fenders ahead of Rear Tires

Mud Flaps behind Rear Tires

Back-up Alarm

Painted Woodlawn Green

Option: No Paint

Hydraulics

Force America FASD45 Load Sensing Pump

Constant Mesh PTO w/ Pressure Lube Hose

Spicer Driveline

V20LS-4-K4-4-4-4-NR Hydraulic Valve

Morse Cable Controls w/ Joy Stick on Plow Lift and Angle

30 Gallon Reservoir w/ 10 Micron Filter

2" Brass Ball Shut Off Valve

Sander Valve W/ On-Off Handle

Wing Lock

High Pressure Hoses, Fittings, Quick Couplers

Snow Plow:

Henderson RSP-11-36 Snow Plow
Integral Shield w/ 12" Rubber Deflector
Level Lift Design
Two External Compressor Trip Springs
Five Position Adjustable Spring Tension
Side Markers
UQH – 30.5" LoPro Truck Hitch
3"x10" DA Lift Cylinder
UQH – 30.5" Plow Portion Hitch
Frame to Hitch Mounting Kit
Plow Lights
Stainless Steel Hood Mounted Light Brackets

Wing:

Henderson Mid Mount Wing
8' Cutting Edge
27" Moldboard Height
8" Front Mast Lift
Front Cross Tubes and Cheek Plates
Single Push Arm

Tailgate Sander:

Henderson TGS-II Sander - 201SS
6" Auger – Direct Drive
Poly Spinner
Hoses, Fittings, Quick Couplers
Sander Light

Truck Minimum Specifications

Deviation

2022 Model Year

Models Acceptable – Freightliner 108SD, or Equivalent

Wheelbase – 162"

Cab-to-Axle – 96"

Must be compliant with body manufacturer requirements.

Engine – In Line 6 Cylinder Diesel, Minimum of 300 HP
And 860 ft/lb of Torque, Sleeved Motor

Batteries – Two Group 31, 12 Volt, 2000 CCA
Battery Box mounted behind Cab on Driver's side

Extended Life Coolant

Fuel /Water Separator with Hand Primer & Heater

RH Outboard Under Step Horizontal ATD with Cab Mounted
Vertical Pipe, Turn out on Exhaust Pipe
6 Gallon DEF Tank, LH Back of Cab

Maximum Height 9'8"

Coolant Filter

Engine Block Heater – 1000 Watt

Allison 3500 RDS Automatic Transmission – 6 speed
Push Button Controls, Synthetic Fluid

Front Axle – 16,000#

Rear Axle – 23,000# Single Speed

Front Springs – 16,000# Flat Leaf, No Taper Leaf Allowed

Rear Springs – 23,000# Multi-Leaf with Aux. Leaf Spring Helper

Brakes – Air w/18.0 CFM Air Compressor

Front – 16.5" x 6" Cam

Rear – 16.5" x 7" Cam

Front and Rear Brake Dust Shields

Automatic Slack Adjusters

Air Brake Dryer w/spin-on Cartridge

Petcock Drain Valves on All Air Tanks	_____
Power Steering – TAS-85 Gear Type	_____
Driver Controlled Differential Lock	_____
Frame – Single Channel	_____
Minimum of 16.9 SM, 120,000 PSI, 2,028,000 RBM	
24" Integral Front Frame Extension	_____
No Add-on Extensions Allowed	
LH 60 Gallon Aluminum Fuel Tank – Under Cab	_____
Front Tires – 315/80/22.5-20 ply	_____
Rear Tires – 11R x 22.5 14 Ply Mud and Snow	_____
Front and Rear Wheels – 22.5 x 9.00 ISO Steel Disc	<u>Rear Wheels - 8.25"</u>
Fiberglas Tilting Hood	_____
Radiator Mounted Grille – Bright Finish	_____
Wide enough to tip over Snow Plow Frame	
West Coast Bright Finish Heated Mirrors/8" Convex Mirrors	-----102"
Wide Mirror Brackets	
Heater/Defroster w/Plumbing Shut-off	_____
Hi-Back Air Ride Driver's Seat, Air Lumbar w/vinyl covering	_____
Non-Suspension Passenger Seat w/vinyl covering	_____
Dash Mounted Air Restriction Gauge	_____
AM/FM/WB Radio w/Cowl Mounted Antenna Blue Tooth capable	-----
Self Canceling Turn Signals	_____
Color – School Bus Yellow	_____
Factory Plow Light Harness and Cab Switch	_____
Front Mounted Plow Lights	_____
Vehicle Interface Wiring Connection at end of Frame	-----
Electric Windows	-----
Cruise Control	-----

Equipment Specifications

Dump Body:

- 11' Henderson Mark E Crossmember less Dump Body
 - 8" I-Beam Long Sills
 - 4" Structural Channel Subframe
 - 10 Gauge Sides and Head sheet
 - 24" Sides w/Single Side Brace
 - 32" 7 gauge. Tailgate w/Two Tailgate Braces
 - 3/16" AR-400 Floor
 - 1.5" Stainless Steel Rear Hinge Pins
 - Greaseless Composite Bushing on Hinge Pins

10" I-Beam Long Sills

UB-7-17 Underbody Hoist
Double Acting Cylinder

16" x 78" Cab Shield

Cab Shield Maximum Height 9'8"

Air Tailgate Release – Brake Chamber Style

Rear Corner Post Stop/Turn/Tail Lights

Rear Corner Post LED Strobe Lights

Front LED Strobe Light

Poly Quarter Fenders ahead of Rear Tires

Mud Flaps behind Rear Tires

Painted Forest or Woodlawn Green

Back-up Alarm

Option: 201SS Dump Body with Above Spec's

Hydraulics:

4.6 CID Force America Load Sensing Pump

Constant Mesh PTO off of 3500 RDS Trans.

High Pressure Lube Hose for PTO

1310 Spicer Driveline from PTO to Pump

Gresen V20-4-K4-4-NR Valve Body

Double Acting Hoist Section

Double Acting with Float for Front Plow Lift

Double Acting Plow Angle

Morse Cable Controls – Stainless Steel Cables

Single Axis for Hoist

Joy Stick for Plow Lift and Angle

30 Gallon Reservoir w/Sight Gauge, Internal Baffle

In-Tank Filter – 10 Micron, Brass Ball Shut-off

Manual Dual Flow Control Valve in Cab For Tailgate Sander

All High-Pressure Hoses, Fittings, Quick Couplers for
Hoist, Front Plow, Tailgate Sander

Snow Plow:

Henderson RSP-11-36 Snow Plow

11' Moldboard – 36" High

Power Reversing Cylinders

Reversing Cylinders to set Above Circle Frame

Snow Plow Marker

Integral Shield with 12" Rubber Deflector

One Piece Rolled Moldboard w/Eight ½" x 3 ½" Ribs

Level Lift Design with Plow in any Position

Two External Trip Springs

Three Position Adjustment on Moldboard

Five Position Adjustable Trip Spring Collars

Low Profile Truck Hitch – Hood of Truck must Tilt Over Plow Hitch

Universal Quick Hitch Style Hitch on Plow and Truck

3" x 10" DA Lift Cylinder

Lift Arm and Cylinder to fold Flat in Front when Not in Use

OPTIONAL

Tailgate Sander:

201 Stainless Steel Tailgate Sander

7 gauge 201SS Trough and Rear Panel

1/4" 201SS End Plates

Bottom Trough hinged for auger cleanout

201SS Trough Cover w/201SS Hinge Rod and Handle

6" Diameter Bi-Directional Auger with 3/8" Flighting

Auger supported by 1 1/4" diameter Shaft

304SS Anti-Flow Shield over Discharge Hole

Hydraulic Auger Motor to be High Torque, Low Speed
18.7 C.I.R. Char-lynn

18" Poly Spinner Disc

201SS Stationary Shield mounted in front of spinner to
Protect truck undercarriage

Spreader Mounting Brackets to have 201SS Pins removable
Without use of tools

Non-Stainless-Steel parts to be painted Aluminum

High Pressure Hoses, Fittings, Quick Couplers

Rear Sander Light with Cab Switch

Mid Mount Wing:

Moldboard 10-GA Grade 50

Cutting edge ½"x6"x8'

Length of moldboard 8'

Height of moldboard 27"

Single HD Push Arm with Spring Cushion & Shear Pin

7" Mechanical Float

Stored at an Angle against side of Body

Prepared for:
 Dylan Mulfinger
 City of Oelwein
 20 2ND AVE SW

 OELWEIN, IA 50662
 Phone: 319-283-1197

Prepared by:
 Gene Carpenter
 TRUCK CENTER COMPANIES
 101 PLAZA DRIVE
 ELK RUN HEIGHTS, IA 50707
 Phone:

S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
Price Level				
PRL-24D	SD PRL-24D (EFF:01/19/21)			STD
Data Version				
DRL-005	SPECPRO21 DATA RELEASE VER 005			N/C
Vehicle Configuration				
001-176	108SD CONVENTIONAL CHASSIS	6,829	3,748	\$123,710.00
004-222	2022 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-002	STRAIGHT TRUCK PROVISION			STD
003-001	LH PRIMARY STEERING LOCATION			STD
General Service				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-010	DIRT/SAND/ROCK COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-1A0	FREIGHTLINER SD VOCATIONAL WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 39000.0 lbs			



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Data Code	Description	Weight Front	Weight Rear	Retail Price
Truck Service				
AA3-018	FRONT PLOW/END DUMP BODY			N/C
AF3-1W0	HENDERSON			N/C
Engine				
101-3BN	CUM L9 300 HP @ 2200 RPM; 2200 GOV RPM, 860 LB-FT @ 1200 RPM			\$1,517.00
Electronic Parameters				
79A-075	75 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C
Engine Equipment				
99C-021	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG21 CONFIGURATION			STD
99D-010	NO 2008 CARB EMISSION CERTIFICATION			N/C
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER			STD
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-235	(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES			STD
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
128-076	CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF	20		STD
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25	\$816.00
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-026	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			(\$3.00)
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			N/C
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK	-35	-10	N/C
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			(\$17.00)
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAIPIPE SHIELD(S)			N/C
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER			STD
120-009	FLEETGUARD PLAIN COOLANT FILTER			\$122.00
266-104	1115 SQUARE INCH ALUMINUM RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			STD
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4		\$92.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
Transmission				
342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION			(\$75.00)
Transmission Equipment				
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			STD
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84E-017	S5 PERFORMANCE LIMITING PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84F-016	S5 PERFORMANCE LIMITING SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84G-005	1500 RPM PRIMARY MODE SHIFT SPEED			N/C
84H-005	1500 RPM SECONDARY MODE SHIFT SPEED			N/C
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
84V-001	DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS			STD
353-066	VEHICLE INTERFACE WIRING CONNECTOR WITH BLUNT CUTS, AT END OF FRAME			\$62.00
362-823	CUSTOMER INSTALLED CHELSEA 280 SERIES PTO			N/C
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			STD
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			STD
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			STD
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD
Front Axle and Equipment				
400-1A9	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	190		\$1,865.00
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10		N/C
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-001	CAST IRON OUTBOARD FRONT BRAKE DRUMS			STD
427-001	FRONT BRAKE DUST SHIELDS	5		\$102.00
409-006	FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
406-001	STANDARD KING PIN BUSHINGS			STD
536-012	TRW TAS-85 POWER STEERING	40		N/C
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-001	MINERAL SAE 80/90 FRONT AXLE LUBE			STD
Front Suspension				
620-004	16,000# FLAT LEAF FRONT SUSPENSION	260		\$689.00
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION			N/C
62G-998	NO FRONT SUSPENSION OPTIONS			STD
410-998	NO FRONT SHOCK ABSORBERS	-30		N/C
Rear Axle and Equipment				
420-037	RS-23-161 23,000# R-SERIES SINGLE REAR AXLE		174	\$807.00
421-614	6.14 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20	STD
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20	\$734.00



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878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE			N/C
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH			N/C
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			STD
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
451-001	CAST IRON OUTBOARD REAR BRAKE DRUMS			STD
425-002	REAR BRAKE DUST SHIELDS		5	\$65.00
440-006	REAR OIL SEALS			STD
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			STD
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE			STD
42T-001	STANDARD REAR AXLE BREATHER(S)			STD
Rear Suspension				
622-1MJ	23,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		30	(\$6.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			N/C
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
Brake System				
490-100	WABCO 4S/4M ABS			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-015	AIR DRYER FRAME MOUNTED			STD



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 Gene Carpenter
 TRUCK CENTER COMPANIES
 101 PLAZA DRIVE
 ELK RUN HEIGHTS, IA 50707
 Phone:

Data Code	Description	Weight Front	Weight Rear	Retail Price
460-090	STEEL AIR BRAKE RESERVOIRS, NO TRIPLE OR TORPEDO TANKS			N/C
477-011	PETCOCK DRAIN VALVES ON ALL AIR TANK(S)			(\$3.00)
Trailer Connections				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
Wheelbase & Frame				
545-412	4125MM (162 INCH) WHEELBASE			N/C
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	90		\$314.00
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW			N/C
552-030	1600MM (63 INCH) REAR FRAME OVERHANG			STD
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH			N/C
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	115	-20	\$4.00
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 96.85 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 93.85 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 290.55			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 39.96 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 124.8 in			N/C
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 90.45 in			
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12		\$50.00
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
Chassis Equipment				
556-1E5	14 INCH PAINTED STEEL BUMPER	20		STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
Fuel Tanks				
204-151	60 GALLON/227 LITER ALUMINUM FUEL TANK - LH			STD



Prepared for:
 Dylan Mulfinger
 City of Oelwein
 20 2ND AVE SW
 OELWEIN, IA 50662
 Phone: 319-283-1197

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Data Code	Description	Weight Front	Weight Rear	Retail Price
218-006	25 INCH DIAMETER FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-007	FUEL TANK(S) FORWARD			STD
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5		\$51.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
Tires				
093-1RJ	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES	100		\$474.00
094-2EU	HANKOOK DH06 11R22.5 14 PLY RADIAL REAR TIRES		64	(\$824.00)
Hubs				
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS			STD
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS			STD
Wheels				
502-433	ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	66		\$204.00
505-545	MAXION WHEELS 90260 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		80	(\$32.00)
Cab Exterior				
829-1A5	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTING			STD
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE			STD
667-037	SHORT FENDER WITH MUDFLAP			\$141.00
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10		\$115.00
678-001	LH AND RH GRAB HANDLES			STD
645-002	BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL			\$253.00
646-042	STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS			\$88.00
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE			\$15.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
644-004	FIBERGLASS HOOD			STD
727-1AH	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED			STD
726-001	SINGLE ELECTRIC HORN			STD
728-001	SINGLE HORN SHIELD			STD
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD
78G-002	KEY QUANTITY OF 2			STD
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-067	HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT BEZELS			N/C
302-001	(5) AMBER MARKER LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BM	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS			\$140.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS			STD
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4		\$218.00
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD			STD
659-007	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR			STD
Cab Interior				
707-1AK	OPAL GRAY VINYL INTERIOR			STD
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER			STD
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING			STD
694-010	IN DASH STORAGE BIN			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
680-006	GRAY/CHARCOAL FLAT DASH			STD
860-004	SMART SWITCH EXPANSION MODULE			\$196.00
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-001	STANDARD HVAC DUCTING			STD
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-019	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES			\$37.00
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-033	STANDARD INSULATION			STD
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-014	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS			STD
655-005	LH AND RH ELECTRIC DOOR LOCKS			\$36.00
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			STD
756-1D9	PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	70		\$414.00
760-1DC	BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT			STD
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-036	VINYL WITH VINYL INSERT DRIVER SEAT			STD
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT			STD
763-101	BLACK SEAT BELTS			STD
532-001	FIXED STEERING COLUMN			STD
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL			STD
734-004	GRAY CENTER INSTRUMENT PANEL			STD
870-001	BLACK GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS			\$25.00
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE			STD
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS			N/C
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
746-115	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939	10		\$490.00
747-001	DASH MOUNTED RADIO			N/C
750-002	(2) RADIO SPEAKERS IN CAB			N/C
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF			\$23.00
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			STD
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-038	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND SINGLE CONNECTOR AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS			\$178.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			STD
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			STD

Design

065-000	PAINT: ONE SOLID COLOR			STD
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Color

980-6H9	CAB COLOR A: L3258EY SEMI YELLOW ELITE EY			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			STD
964-020	STANDARD BLACK BUMPER PAINT			STD
963-003	STANDARD E COAT/UNDERCOATING			STD

Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD
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Raw Performance Data

AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 93.85 in			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 90.45 in			

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

T O T A L V E H I C L E S U M M A R Y

Adjusted List Price

Adjusted List Price ** \$133,087.00

Weight Summary



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	Weight Front	Weight Rear	Total Weight
Factory Weight [†]	7811 lbs	4136 lbs	11947 lbs
Total Weight[†]	7811 lbs	4136 lbs	11947 lbs

I T E M S N O T I N C L U D E D I N A D J U S T E D L I S T
P R I C E

Other Factory Charges

PMV-021	GHG21 ENHANCEMENT PRICE	\$510.00
RAG-020	CUMMINS TARIFF CHARGE - \$205	\$205.00
P73-2FT	STANDARD DESTINATION CHARGE	\$2,200.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(**) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.





HV507 SFA

Sales Proposal For:
City of Oelwein

Presented By:
Thompson Truck & Trailer

Prepared For:
City of Oelwein
Dylan Mulfinger
20 2nd Ave. SW
Oelwein, IA 50662-2247
(319)283 - 5440
Reference ID: N/A

Presented By:
Thompson Truck & Trailer
Matt Moore
2740 6TH ST SW
CEDAR RAPIDS IA 52404 -
(319)364-2491

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2022 HV507 SFA (HV507)

AXLE CONFIG:	4X2
APPLICATION:	Front Plow and Wing with Spreader
MISSION:	Requested GVWR: 39000. Calc. GVWR: 39000 Calc. Start / Grade Ability: 39.68% / 2.48% @ 55 MPH Calc. Geared Speed: 73.5 MPH
DIMENSION:	Wheelbase: 171.00, CA: 96.00, Axle to Frame: 63.00
ENGINE, DIESEL:	{Cummins L9 300} EPA 2021, 300HP @ 2200 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 300 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity
AXLE, REAR, SINGLE:	{Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, Driver Controlled Locking Differential, 200 Wheel Ends Gear Ratio: 5.63
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 315/80R22.5 Load Range L M843 (BRIDGESTONE), 480 rev/mile, 65 MPH, All-Position
TIRE, REAR:	(4) 11R22.5 Load Range G HDL2 DL (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, SINGLE:	23,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs
PAINT:	Cab schematic 100WK Location 1: 4421, School Bus Yellow (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
HV50700	Base Chassis, Model HV507 SFA with 171.00 Wheelbase, 96.00 CA, and 63.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1ANA	AXLE CONFIGURATION {Navistar} 4x2
	<u>Notes</u> : Pricing may change if axle configuration is changed.
1CAJ	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.437" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL
1LLA	BUMPER, FRONT Swept Back, Steel, Heavy Duty
1MEJ	FRAME, SPECIAL EFFECTS Dimple on Left and Right Top Flange of Frame Rail to Reference Rear Axle Centerline
1UAM	FRAME EXTENSION, FRONT Integral; 27" In Front of Grille
1WEV	WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)
2ARU	AXLE, FRONT NON-DRIVING {Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity
3ACP	SUSPENSION, FRONT, SPRING Multileaf, Shackle Type, 16,000-lb Capacity, Less Shock Absorbers
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6
4732	DRAIN VALVE {Berg} with Pull Chain, for Air Tank
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System
4EBS	AIR DRYER {Bendix AD-9} with Heater
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqIn Spring Brake
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
4LAG	SLACK ADJUSTERS, FRONT {Gunite} Automatic
4LGG	SLACK ADJUSTERS, REAR {Gunite} Automatic
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
4VKJ	AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Left Rail, Back of Cab, Perpendicular to Rail
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes
4XDL	BRAKES, FRONT {Bendix Spicer ES-165-6X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity
4XDM	BRAKES, REAR {Bendix Spicer ES-165-7X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle

<u>Code</u>	<u>Description</u>
5708	STEERING COLUMN Tilting
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black
5PSL	STEERING GEAR {Sheppard M110} Power
6DGB	DRIVELINE SYSTEM {Dana Spicer} SPL140, for 4x2/6x2
7BEV	AFTERTREATMENT COVER Steel, Black
7BLW	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
7WAZ	TAIL PIPE (1) Turnback Type
7WCM	EXHAUST HEIGHT 8' 10"
7WDN	MUFFLER/TAIL PIPE GUARD (1) Aluminum
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
	: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	: STARTER SWITCH Electric, Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8GXD	ALTERNATOR {Leece-Neville AV1160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense
8HAA	BODY BUILDER WIRING To Rear of Frame, with Stop, Tail, Turn, and Marker Lights Circuits, Ignition Controlled Auxiliary Feed and Ground, Less Trailer Socket
8MJU	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors
8RPS	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input
8THJ	AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications
8VAY	HORN, ELECTRIC Disc Style
8VUL	BATTERY BOX Steel, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Left Side Back of Cab
8WBW	JUMP START STUD Remote Mounted
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8WXG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender

<u>Code</u>	<u>Description</u>
8XHN	HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9HBM	GRILLE Stationary, Chrome
9WBC	FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "WK"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12849	BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines
	<u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12ESL	ENGINE, DIESEL {Cummins L9 300} EPA 2021, 300HP @ 2200 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 300 Peak HP (Max)
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed
	<u>Includes</u> : FAN Nylon
12UWZ	RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler
	<u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12VAG	AIR CLEANER Single Element, with Integral Snow Valve and In-Cab Control
12VHR	FEDERAL EMISSIONS {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2021
12VXU	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
12XBM	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls and Starter Lockout, with Ignition Switch Control, for Cummins B6.7 and L9 Engines
13AVL	TRANSMISSION, AUTOMATIC {Allison 3500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223

<u>Code</u>	<u>Description</u>
13WVV	NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming
13XAL	PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission
14ARB	AXLE, REAR, SINGLE {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, Driver Controlled Locking Differential, 200 Wheel Ends . Gear Ratio: 5.63
14VAH	SUSPENSION, REAR, SINGLE 23,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs
15LNS	FUEL/WATER SEPARATOR {Racor 400 Series} 12 VDC Electric Heater, Includes Pre-Heater, with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine
15SGG	FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 19" Tank Depth, 70 US Gal (265L), Mounted Left Side, Under Cab
15WDG	DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab
16030	CAB Conventional, Day Cab
16BAL	HEATER
16GDC	GAUGE CLUSTER Base Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 3 Inch Monochromatic Text Display
16HHE	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel, Mounted in Instrument Panel
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
16SMN	SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl
16SNP	MIRRORS (2) C-Loop, Power Adjust, Heated, Black Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width
	<u>Notes</u> : Mirror Dimensions are Rounded to the Nearest 0.5"
16VKB	CAB INTERIOR TRIM Classic, for Day Cab
	<u>Includes</u> : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature
16WSK	CAB REAR SUSPENSION Air Bag Type
16XJN	INSTRUMENT PANEL Flat Panel
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab
27DUL	WHEELS, FRONT {Accuride 29300} DISC; 22.5x9.00 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

<u>Code</u>	<u>Description</u>
28DUK	WHEELS, REAR {Accuride 29169} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs
7372135417	(4) TIRE, REAR 11R22.5 Load Range G HDL2 DL (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
7762549052	(2) TIRE, FRONT 315/80R22.5 Load Range L M843 (BRIDGESTONE), 480 rev/mile, 65 MPH, All-Position
Services Section:	
40128	WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A
1	BODY SPEC PER HENDERSON

<u>Description</u>	<u>(US DOLLAR)</u>	<u>Price</u>
Factory List Prices:		
Product Items	\$127,374.00	
Service Items	\$0.00	
Total Factory List Price Including Options:		\$127,374.00
Freight	\$2,350.00	
Total Freight:		\$2,350.00
Total Factory List Price Including Freight:		\$129,724.00
Less Customer Allowance:		(\$55,436.00)
Total Vehicle Price:		\$74,288.00
Total Body/Allied Equipment:		\$42,962.00
Total Sale Price:		\$117,250.00
Total Per Vehicle Sales Price:		\$117,250.00
Net Sales Price:		\$117,250.00

136,715 55 box sand/wings

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.



HENDERSON

PRODUCTS, INC.

916 S 10TH ST
MANCHESTER, IA 52057
PHONE: 563-927-7000
FAX: 563-927-7001

CUSTOMER QUOTE

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To: THOMPSON TRUCK & TRAILER INC
Attn: MATT MOORE
Quote Date: 2/26/2021
Valid Until: 3/28/2021

Quoted By: Ryan Burkle
Phone: 563-927-2828
Cell: 515-689-2578
Fax: 563-927-2521
Email: rburkle@hendersonproducts.com

Quoted:

CITY OF OELWEIN IA Henderson Equipment Package: 11'x24in Mark E Dump Body,
11'x36in RSP Plow, Force America Hydraulics with Install. SEE SPEC
COMPLIANCE FOR ADDITIONAL DETAILS

Henderson Products is pleased to present the following quote. Please contact us if you have any questions.

MARKE SA Dump Body

BODY LENGTH: 11ft BODY LENGTH
SIDE STYLE: **STRAIGHT SIDES**
SIDE HEIGHT (FROM FLOOR): 24" SIDE HEIGHT
REAR BODY PROFILE: **STANDARD STRAIGHT VERTICAL GATE**
REAR CORNER POSTS: **REAR BOLSTERS 8" ABOVE SIDES**
BOARD POCKETS: 2" WIDE BOARD POCKETS
HOIST TYPE: 8/21 UNDERBODY HOIST W/ SUBFRM
HOIST CYLINDER/MODEL: UB 8/21 CYLINDER, CLASS 60, 22.1 TON LIFT CAPACITY
UB HOIST BUSHINGS: **GREASELESS BUSHINGS**
HYDRAULIC PUMP: **PUMP SUPPLIED WITH HYDRAULIC PACKAGE**
CYLINDER CRADLE STYLE: **STANDARD HOIST CRADLE**
INSTALL SUBFRAME AND/OR CYLINDER: **SHIP LOOSE - DEALER TO INSTALL**
EXTRA BODY PROP: **NO EXTRA BODY PROP**
HYDRAULIC RESERVOIR: **RESERVOIR SUPPLIED WITH HYDRAULICS PACKAGE**
FLOOR MATERIAL: 3/16" AR400 FLOOR
FLOOR TO SIDE RADIUS: 5" RADIUS FLOOR TO SIDE
LONGSILL MATERIAL: 10" I-BEAM LONGSILLS (STANDARD SKIP WELD)
SIDES/HEADSHEET MATERIAL: 10GA GRADE 50 SIDES/HEAD
SIDE BRACING TYPE: **SINGLE WELD-ON INTERMEDIATE SIDE BRACE**
SIDE BRACE MATERIAL: 10GA GRADE 50 SIDE BRACING
TOP RAIL STYLE: **FLAT (2" FLAT, THEN SLOPED)**
CONTOURED FRONT CORNER POSTS: **NO FRONT CORNER POSTS**
REAR CORNER POST MATERIAL: 10GA GRADE 50 REAR CORNER POSTS
TAILGATE STYLE: **STANDARD TAILGATE**
TAILGATE SHEET MATERIAL: 7GA GRADE 50 TAILGATE SHEET
TAILGATE BRACING: **DOUBLE HORIZONTAL TAILGATE BRACING**
TAILGATE BRACE MATERIAL: 10GA GRADE 50 TAILGATE BRACING
TAILGATE TOP PIVOT HARDWARE: 1-1/4" PINS, 1" PLATES, **NON-GREASABLE**
TAILGATE LATCH TYPE: **AIR PANCAKE TAILGATE RELEASE, SS BUSHINGS**
TAILGATE RELEASE VALVE: **NO TAILGATE RELEASE VALVE**
TAILGATE PIN LANYARDS: **NO TAILGATE PIVOT PIN LANYARDS**
TAILGATE LIFT LOOP: **TAILGATE LIFT LOOP, D-RING, CENTER OUTSIDE (MILD)**
LATCH JAWS: **LOWER TG LATCH JAWS, NON-GREASABLE**





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COAL CHUTE: NO COAL CHUTE
REAR FACE LIGHT HOLES: (2) OBOURND LIGHT HOLES, EA BOLSTER REAR FACE
REAR SIDE MARKER LIGHT HOLE: STD 2.5" SIDE MARKER LIGHT HOLES
EXTERIOR LIGHT BOXES INSTALLED: NO EXTERIOR LIGHT BOXES
LIGHTING PACKAGE: NO OEM LIGHTING PACKAGE
BODY HINGE CONSTRUCTION: STD SUBFRAME INTEGRAL HINGE
BODY HINGE TYPE: GREASELESS COMPOSITE BUSHING HINGE BLOCKS (I)
BODY HINGE PAINT: YES, REAR HINGE PAINTED @ FACTORY
PAINT PREPARATION: NO PRIME-RAW STEEL FINISH (MILD OR AR BODIES ONLY)
CABSHIELD STYLE: STANDARD WELD ON CABSHIELD
CABSHIELD MATERIAL: 10GA W/ 7GA END PLATES (GRADE 50)
CABSHIELD SIZE: 16" X 78" CABSHIELD (1/4 CAB)
CABSHIELD MOUNTED LIGHT HOLES: NO CABSHIELD LIGHT HOLES
INSTALL CABSHIELD: CABSHIELD SHIPPED LOOSE, DEALER TO INSTALL
ASPHALT LIP: NO ASPHALT LIP
WALK RAILS: NO WALKRAILS ON LOWER RUBRAILS
TARP RAILS: NO TARP RAILS
SIDE LADDERS: (NO) SIDE LADDER
STEP(S): NO STEP(S)
GRAB HANDLES: NO GRAB HANDLES
SIDEBOARDS: NO SLOPED SIDEBOARDS
Show Options: Show Options
RUBBER MOUNTING PADS: NO RUBBER MOUNTING PADS
VIBRATOR MOUNTING PAD: NO VIBRATOR MOUNTING PAD
REAR APRON FILLER PLATE (FOR TGS SANDER): REAR APRON FILLER PLATE FOR TGS
INSTALL TGS SPREADER: NO TGS INSTALL
HEATED BODY: NO HEATED BODY OPTION
CRADLE MOUNT TOOLBOX: NO TRIANGULAR CRDL MOUNT TOOLBOX (SLOPED HEAD P2P ONLY)
TOOLBOX (BODY INTEGRAL): NO INTEGRAL BODY TOOLBOX

Reversible snow plow

Plow Length: 11' length
Moldboard Trip: Full trip with 2 external compression springs
Pushframe Type: Standard Circle Frame with Top Mount Cylinders
Moldboard Height: 36" height
Moldboard Shield: Integral shield
Moldboard Sheet Material: 10 GA GR50 steel (standard)
Adjustable Trip Spring: Five position adjustable trip spring preload
Hydraulic Cylinders: 3" x 1 1/2" x 10" reversing nitrided cylinders
Paint: Henderson Orange
12" Rubber Deflector: Yes, w/ SS Backer
Install Rubber Deflector: Yes
36" Plastic Side Markers, Pair: Yes
Parking Jack, Screw Adjustable: Yes
Cutting Edge: Std 5/8" x 8" One Piece AASHTO punch
Hitch, Plow Portion: Quick hitch
Plow portion hitch width: 30.5"





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CUSTOMER QUOTE

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Plow Portion Installed on Plow: **Yes**
Hitch, Truck Portion: **See HPH or HCH for Truck portion hitch**
Custom Option Fields: **Note Custom Details Below**
Option 1 Description: **156037 low pro quick hitch w/ 3x2x10in lift cyl**
Option 2 Description:
Option 3 Description:
Option 4 Description:
Option 5 Description:
Option 6 Description:

Installation Workup

Facility: **IDC-IA**
Chassis Delivery To Henderson: **Truck Dealer/Customer Delivers**
Completed Truck Delivery Method: **Henderson Delivers (100 miles or less)**
Chassis Make: **International**
Chassis Model Yr: **2022**
Chassis Model: **HV Series**
Front Frame Ext?: **Yes**
Frnt Frame Ext Type: **Full**
Pump Location: **Transmission Mount Pump**
Transmission Type: **Automatic**
Transmission Model: **Allison Transmission**

Hitch Type: **Low Profile or Manual Tilt Type Hitch**
Mount Type: **Cheek Plate Mount Kit (Select type below)**
Mount Kit Model (Req'd): **Quick HCH Low Pro/MT Ck Plt Kit (No Wng, 34" w Full Frame)**
Front Bumper: **Fabricated Channel Bumper (2pc design) (MFG Material)**

Front Plow Type: **Standard Henderson Plow**
Plow Markers (Front Plow): **IDC Install of fact supplied markers, sales to order w/ unit**
Rubber Deflector Install: **Supplied/Installed @ Factory, sales to order w/ unit**
Plow Jack Install: **MFG Supl'd jack (loose), IDC instl'd, sales order with unit**

Dump Body Type: **Mark E Single Axle**
Floor Length: **(11') floor length**
Hoist Type: **Underbody Hoist with Subframe**
Cylinder Type: **Double Acting**
Body Material (Sides/ends): **Painted Steel Type Body Material**
Tailgate Release Type: **IDC supplied Electric over air valve**
Pressure Protection Valve: **Direct to air tank valve (Int & Mack ONLY)**
Cabshield Install: **Supl'd by fact, welded to body @ IDC, sales to order w/ unit**

Body Spec Notes:





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Chassis Accessories: **Yes (SELECT RELATED OPTIONS BELOW)**

Mudflaps (Rear): **Swinging w/Logo**
Mudflap Type (Rear): **36" Swinging, SS (with LOGO)**
Fenders: **Front Quarter Fenders, Poly (standard)**
Pintle Plate: **None (Cover Plate Only)**
Pintle Hook: **Not Required**
Truck Wash: **Complete Truck Wash/Clean/Vac 1**
Warranty: **Standard 1 Year Warranty**
Inspection: **Walk-around meeting only**
Training: **Yes, Training Required**
Install Touch-up: **Basic Installation Touch-Up**

Electrical: **Yes (SELECT RELATED OPTIONS BELOW)**

Power Distribution Panel: **Power Distribution Panel**
Misc Electrical Supplies: **Req'd Misc Elect Supplies**
Plow Lights: **Plow Lts, Hella 220, HALO, Except Frtlnr/Mack/Pbilt (PAIR)**
Plow Light Brackets: **Plow Lt Brckts, SS, Mnt to Fact Hood Mnt Mirror, INTL, Pair**
Cab Beacon: **LED Mini Ltbar, 201SS Stationary Mntng Brkct, Top Mnt**
Rear Dump Bolster (S/T/T): **LED S/T/T/BU, MK3, Grote harness light kit**
Rear Dump Bolster Strobes: **6" LED Oval Strobes, Amber, 1 PR, (order holes w/unit)**
Back up alarm: **Backup Alarm, 97db**
Backbone & Wire Standoffs: **10' Backbone (For SA)**

Electrical Spec Notes:

Hydraulics: **Full Hydraulic Package**

Hyd Supplier: **Force America (Select Pkg Below)**
Hyd Supplier (Spec): **QT001-1206274-1**
Controls Type: **Cable Controls**
Cable Qty: **3 Functions**
PTO Type: **Included in Hydraulics Package**
Reservoir Type: **Supplied With Hydraulics**
Valve Enclosure Type: **Not Required**
Low Oil Shut Down: **Yes, included in Hyd Pkg**
Low Oil Indicator: **Yes, included in Hyd Pkg**
Quick Coupler Upgrade: **Standard Quick Couplers**
Hyd Options 1: **Install valve under dump body behind cab**

Hydraulics Notes:

Force America Hydraulic system. See spec compliance pages for additional details

IDC Paint Location: **IDC-IA**

Body Paint Type: **Powder Paint**
Powdercoat Paint (Body): **12' MKE/3, All from charts non-metal, Blast, Prim, Paint**
Paint Code & Color (from color charts): **Forest or Woodlawn Green to Match existing bodies**





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Single Package: \$42,962.00
Package(s) : 1
Total: \$42,962.00

Signed: _____ Date: _____

Quote notes:

Lead Time: 4 Months for equipment. Install to take place 60-90 days after receipt of chassis and all equipment

Additional Options to consider. Please "X" to include with package:

___1) 10GA 201 Stainless steel sides and headsheets, and 7GA 201 Stainless tailgate for dump body ILO of GR50 steel. Includes all 201 stainless steel bracing, corner posts, and cabshield. Floor will remain 3/16in AR400, and longsills will remain 10in I-beams
ADD \$4,090.00

___2) Include and install Henderson 201 Stainless Steel Tailgate spreader per City of Oelwein spec
ADD \$4,500.00

___3) Include and install Henderson Mid-Mount wing system per City of Oelwein spec. Includes hydraulics and controls to operate wing installed on chassis, and (1) LED work light to illuminate wing when deployed
ADD \$10,875.00

TOTAL WITH OPTIONS = _____

