

RESOLUTION #19-0219-09

Authorizing the Parks and Road Services Department to purchase a dump truck

WHEREAS, the Liberty Township Road Department budget has been submitted and approved by the Board of Trustees and funds are available to purchase a dump truck, and

WHEREAS, Liberty Township Purchasing Policy requires any purchase over \$50,000.00 be publicly bid through the RFP process, however, the State Cooperative Contract satisfies this requirement, and

WHEREAS, the Road Department proposes to purchase a Freightliner M2-106 through the State Bid Program, Contract #123-19, at a total cost of \$157,092, which includes the purchase of the chassis and the cost of the equipment package.

NOW, THEREFORE BE IT RESOLVED, BY THE LIBERTY TOWNSHIP BOARD OF TRUSTEES, DELAWARE COUNTY, OHIO, to authorize the Road Department to expend funds not to exceed \$157,092.00 for the purchase of a Freightliner M2-106 chassis and equipment package through the State Bid Program, Contract 123-19. This total represents the following authorized purchases:

- \$81,468 payable to Stoops Freightliner, 7800 Center Point 70 Blvd., Dayton, OH, and the equipment package
- \$75,624 payable to Henderson Products, Inc. 2177 State Route 19, Bucyrus, OH 44820

Motion made by Leneghan and seconded by Gemperline.

Vote: yes Mrs. Eichhorn yes Mr. Gemperline yes Mrs. Leneghan

This Resolution shall be in force and become effective immediately upon its execution.

Feb. 19, 2019
Date

Melanie Leneghan
Melanie Leneghan, Trustee

CERTIFIED BY:

Nancy Denutte
Nancy Denutte, Fiscal Officer

Mike Gemperline
Mike Gemperline, Trustee

Shyra Eichhorn
Shyra Eichhorn, Trustee

Prepared for:
Joel James
Liberty Township Delaware
County
7761 Liberty Rd
Powell, OH 43065
Phone: 740-938-2015

Prepared by:
Gary Schmaltz
Stoops Freightliner - Dayton
7800 CENTER POINT 70 BLVD
DAYTON, OH 45424
Phone: (937) 236-4092

A proposal for
Liberty Township Delaware County

Prepared by
Stoops Freightliner - Dayton
Gary Schmaltz

Dec 26, 2018

Freightliner M2 106



Components shown may not reflect all spec'd options and are not to scale

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Q U O T A T I O N

M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK
 CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1000
 LB/FT @ 1400 RPM
 ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH
 PTO PROVISION
 RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
 26,000# FLAT LEAF SPRING REAR SUSPENSION WITH
 HELPER AND RADIUS ROD
 DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP
 SINGLE FRONT AXLE

16,000# TAPERLEAF FRONT SUSPENSION
 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
 CAB
 3875MM (153 INCH) WHEELBASE
 7/16X3-9/16X11-1/8 INCH STEEL FRAME
 (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
 1600MM (63 INCH) REAR FRAME OVERHANG
 BODY COMPANY INSTALLED ADDITIONAL FRONT
 FRAME REINFORCEMENT FOR SNOW PLOW

		PER UNIT	TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$ 81,268	\$ 81,268
EXTENDED WARRANTY		\$ 200	\$ 200
DEALER INSTALLED OPTIONS		\$ 0	\$ 0
CUSTOMER PRICE BEFORE TAX		\$ 81,468	\$ 81,468

TAXES AND FEES

TAXES AND FEES	\$ 0	\$ 0
OTHER CHARGES	\$ 0	\$ 0

TRADE-IN

TRADE-IN ALLOWANCE	\$ (0)	\$ (0)
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BALANCE DUE	(LOCAL CURRENCY)	\$ 81,468	\$ 81,468
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Pricing is based on the Ohio Department of Transportation contract #023-19 and is valid until July 31, 2019.

APPROVAL: Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ____ / ____ / ____.



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QUOTATION DETAILS

EXTENDED WARRANTY

TOWING: 1 YEAR/UNLIMITED	\$	200	\$	200
MILES/KM EXTENDED TOWING				
COVERAGE \$550 CAP FEX APPLIES				

Daimler Truck Financial

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Daimler Truck Financial offers a variety of finance, lease and insurance solutions to fit your business needs. For more information about our products and services, visit our website at www.daimler-truckfinancial.com.



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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-18M	M2 PRL-18M (EFF:04/17/18)			STD
Data Version				
DRL-033	SPECPRO21 DATA RELEASE VER 033			N/C
Interior Convenience/Driver Retention Package				
055-004	INTERIOR CONVENIENCE PACKAGE WITH CB PROVISION			\$349.00
Vehicle Configuration				
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503	\$102,495.00
004-220	2020 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
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs			



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Data Code	Description	Weight Front	Weight Rear	Retail Price
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 39000.0 lbs			
Truck Service				
AA3-018	FRONT PLOW/END DUMP BODY			N/C
A88-99D	EXPECTED TRUCK BODY LENGTH : 10.0 ft			
AF3-1W0	HENDERSON			N/C
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			
Engine				
101-22U	CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM	640	30	\$13,596.00
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
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM			N/C
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			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-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 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
133-004	ONE PIECE VALVE COVER			STD
014-102	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER AND UNDER HOOD BLEND AIR DOOR			\$151.00
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-208	(2) DTNA GENUINE, FLOODED STARTING, MIN 2250CCA, 390RC, THREADED STUD BATTERIES			\$57.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
87P-001	CAB AUXILIARY POWER CABLE	5		N/C
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8		\$230.00
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2		\$92.00
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20		N/C
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25	\$823.00
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			STD
239-020	10 FOOT 00 INCH (120 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			(\$4.00)
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			N/C
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK	35	10	\$105.00
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			\$17.00
23Z-001	POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER	15	5	\$199.00
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAIPIPE SHIELD			\$48.00
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE			N/C
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			N/C
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	20		N/C
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
168-998	NO RADIATOR/OIL PAN GUARD	-5		N/C
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4		\$89.00
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH			N/C

Transmission

342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60	\$6,785.00
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Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			N/C
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			N/C
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84L-010	DISABLE - LOAD BASED SHIFT SCHEDULE, DISABLE - VEHICLE ACCELERATION CONTROL			N/C
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
353-023	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT END OF FRAME			\$53.00
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED			\$23.00
362-035	CUSTOMER INSTALLED CHELSEA 277 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
345-037	ELECTRONIC CONTROL T-HANDLE SHIFT LEVER, DASH MOUNTED			\$600.00
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			N/C
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-013	TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP			\$63.00
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
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		\$1,949.00
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
419-023	CONMET CAST IRON 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
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	ORGANIC SAE 80/90 FRONT AXLE LUBE			STD
Front Suspension				
620-026	16,000# TAPERLEAF FRONT SUSPENSION	200		\$1,110.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
410-001	FRONT SHOCK ABSORBERS			STD
Rear Axle and Equipment				
420-051	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE		180	\$872.00
421-563	5.63 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	(\$401.00)
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20	\$674.00
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

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423-033	MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$131.00
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
451-023	CONMET CAST IRON REAR BRAKE DRUMS			STD
425-002	REAR BRAKE DUST SHIELDS		5	\$56.00
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-001	ORGANIC SAE 80/90 REAR AXLE LUBE			STD
Rear Suspension				
622-1DC	26,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		170	(\$899.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			N/C
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			STD
623-005	FORE/AFT CONTROL RODS			N/C
Brake System				
018-002	AIR BRAKE PACKAGE			STD
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			N/C
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL			N/C
460-001	STEEL AIR BRAKE RESERVOIRS			STD
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD			\$63.00
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)			\$3.00

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Trailer Connections				
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT			STD
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT			STD
Wheelbase & Frame				
545-387	3875MM (153 INCH) WHEELBASE			N/C
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	-30	290	\$745.00
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
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 87.05 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 84.05 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 244.98			
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 87.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 39.11 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 157.38 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12		\$50.00
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOST CROSSMEMBER			STD
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
Chassis Equipment				
556-1AR	THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS	30		\$370.00
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15		\$74.00
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD

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551-002	HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS			\$319.00
Fuel Tanks				
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$117.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-004	POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			\$99.00
212-007	FUEL TANK(S) FORWARD			STD
664-004	POLISHED STAINLESS STEEL STEP FINISH			\$294.00
205-001	FUEL TANK CAP(S)			(\$6.00)
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5		\$59.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
11F-998	NO NATURAL GAS VEHICLE FUEL TANK VENT LINE/STACK			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
094-1UX	MICHELIN X MULTI D 11R22.5 14 PLY RADIAL REAR TIRES		96	(\$144.00)
Hubs				
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS			STD
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS			STD
Wheels				
502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28		\$496.00
505-1EF	ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-100	\$664.00
524-022	POLISHED DISC SIDE FRONT WHEELS WITH DURA-BRIGHT FINISH			\$170.00
525-023	POLISHED OUTER (DISHED SIDE) REAR WHEELS WITH OUTER ONLY DURA-BRIGHT FINISH			\$400.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
498-059	ALLIGATOR V2B CAPS WITH NYLON WHEEL GUARDS FRONT AND REAR AT ALL INTERFACES			\$65.00
Cab Exterior				
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTING			\$121.00
754-008	2-1/2 INCH FENDER EXTENSIONS	10		\$275.00
678-001	LH AND RH GRAB HANDLES			STD
646-011	STATIONARY PAINTED FULL GRILLE FOR CHASSIS WITHOUT INTEGRAL FRONT FRAME EXTENSIONS	5		\$294.00
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE			\$49.00
644-004	FIBERGLASS HOOD			STD
727-1AF	SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4		\$88.00
726-001	SINGLE ELECTRIC HORN			STD
728-001	SINGLE HORN SHIELD			N/C
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS			\$18.00
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			STD
302-047	LED AERODYNAMIC MARKER LIGHTS			\$34.00
311-019	HEADLIGHTS ON WITH WIPERS, WITH DAYTIME RUNNING LIGHTS			\$33.00
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS			\$153.00
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE			\$286.00
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
74A-001	RH DOWN VIEW MIRROR			\$24.00
729-001	STANDARD SIDE/REAR REFLECTORS			STD
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4		\$218.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
663-029	1-PIECE TINTED CURVED BONDED WINDSHIELD WITH HEATED WIPER BLADE PARK AREAS			\$558.00
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD
Cab Interior				
707-1AK	OPAL GRAY VINYL INTERIOR			N/C
706-026	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR			\$13.00
708-026	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR			\$26.00
772-006	BLACK MATS WITH SINGLE INSULATION			STD
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER			\$5.00
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
680-006	GRAY/CHARCOAL FLAT DASH			STD
860-004	SMART SWITCH EXPANSION MODULE			\$198.00
720-002	2-1/2 LB. FIRE EXTINGUISHER	5		\$39.00
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-008	STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE			\$27.00
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-034	PREMIUM INSULATION			\$187.00
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF			N/C
655-005	LH AND RH ELECTRIC DOOR LOCKS			\$99.00
284-023	(1) 12 VOLT POWER SUPPLY IN DASH			\$21.00
722-002	TRIANGULAR REFLECTORS WITHOUT FLARES	10		\$24.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30		\$212.00
760-1J3	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10	\$264.00
759-007	DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4		\$69.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER			\$24.00
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER			\$23.00
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10		\$478.00
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

Instruments & Controls

732-003	WOODGRAIN DRIVER INSTRUMENT PANEL			N/C
734-003	WOODGRAIN CENTER INSTRUMENT PANEL			N/C
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
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS			\$36.00
721-001	97 DB BACKUP ALARM		3	\$51.00
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



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Data Code	Description	Weight Front	Weight Rear	Retail Price
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
679-001	OVERHEAD INSTRUMENT PANEL			N/C
746-115	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939	10		\$398.00
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			N/C
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD			N/C
749-016	CB WIRING ONLY TO ROOF/OVERHEAD CONSOLE; NO MOUNTING PROVISION			N/C
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
162-011	IDLE LIMITER, ELECTRONIC ENGINE			STD
* 329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS			\$464.00
	20 AMP SWITCHES - A06-30769-113 FRONT ST ROBE, A06-30769-112 REAR STROBE, A06-307 69-114 SALT LIGHT, A06-30769-096 PTO, (2) A06-30769-117 BLA NK			
81Y-001	PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH			\$12.00
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-001	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES			\$17.00
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			\$146.00

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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

980-7YJ	CAB COLOR A: L5994EB HARVESTER RED ELITE BC			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS 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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Secondary Factory Options

998-001	CORPORATE PDI CENTER IN-SERVICE ONLY			N/C
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Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

Adjusted List Price

Adjusted List Price ** \$138,661.00

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	7365 lbs	4287 lbs	11652 lbs
Total Weight ⁺	7365 lbs	4287 lbs	11652 lbs



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ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE

Other Factory Charges

PMU-017	2016 OBD/2010 EPA/CARB/GHG17 ESCALATOR	\$300.00
P73-2FT	STANDARD DESTINATION CHARGE	\$2,100.00

Extended Warranty

WAG-010	TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$550 CAP FEX APPLIES	\$200.00
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Currency Exchange Rate	1.0000
Total Extended Warranty (Local Currency)	\$200.00

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

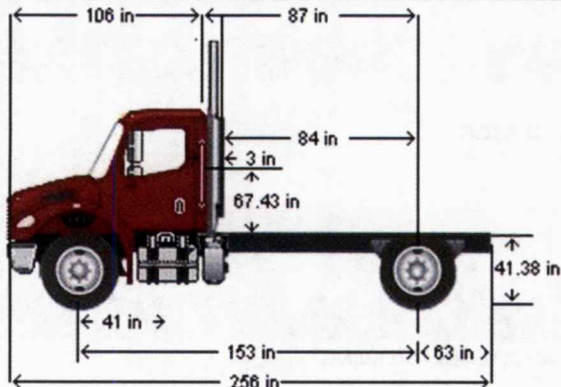
(**) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.



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DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model.....M2106
Wheelbase (545) 3875MM (153 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)..... 106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)..... NO SLEEPER BOX/SLEEPER/CAB
Exhaust System (016)..... RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY
WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

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TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	106.3
Bumper to Centerline of Front Axle (BA)	40.7
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	87.0
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	84.0
Back of Cab Protrusions (Exhaust/Intake) (CP)	0.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	150.0
Cab Height (CH)	67.4
Wheelbase (WB)	152.6
Frame Overhang (OH)	63.0
Overall Length (OAL)	256.3
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	41.4

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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GVWR

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Model.....M2106
Cab Size (829).....106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....16000.0
Expected Pusher Axle(s) Load (lbs).....0.0
Expected Rear Axle(s) Load (lbs).....23000.0
Expected Tag Axle(s) Load (lbs).....0.0
Expected GVW (lbs).....39000
Expected GCW (lbs).....0.0
Front Axle (400).....DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
Front Suspension (620).....16,000# TAPERLEAF FRONT SUSPENSION
Front Hubs (418).....CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
Front Disc Wheels (502).....ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS
Front Tires (093).....MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES
Front Brakes (402).....MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Steering Gear (536).....TRW TAS-85 POWER STEERING
Rear Axle (420).....RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Rear Suspension (622).....26,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD
Rear Hubs (450).....CONMET PRESET PLUS PREMIUM IRON REAR HUBS
Rear Disc Wheels (505).....ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS
Rear Tires (094).....MICHELIN X MULTI D 11R22.5 14 PLY RADIAL REAR TIRES
Rear Brakes (423).....MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Pusher / Tag Axle (443).....NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626).....NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449).....NO PUSHER OR TAG HUBS
Pusher/Tag Disc Wheels (509).....NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095).....NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456).....NO PUSHER/TAG BRAKES

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TABLE SUMMARY - GVWR

	Front	Rear
Axle Component Weight Ratings		
Axles	16000	23000
Suspension	16000	26000
Hubs	23000	26000
Brakes	18000	23000
Wheels	20000	29600
Tires	18180	23360
Power Steering	18000	N/A
GAWR (per axle)	16000	23000
GAWR (per axle system)	16000	23000
Expected Load (per axle system)	16000	23000
Vehicle GVWR Summary		
Calculated GVWR	39000	
Expected GVWR	39000	
All weights displayed in pounds		

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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FRAME RBM

VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM

Wheelbase (545) 3875MM (153 INCH) WHEELBASE
 Frame Rails (546) 7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI(546)
 Yield Strength (psi)..... 120000
 Section Modulus (per rail) (cu in).....21.6
 RBM (per rail) (lbf-in).....2592000
 Inner Frame Reinforcement (547) NO INNER FRAME REINFORCEMENT
 Outer Frame Reinforcement (548) . BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW

TABLE SUMMARY - FRAME RBM

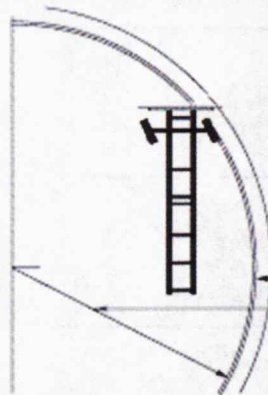
Item	Description / Value
Wheelbase	3875MM (153 INCH) WHEELBASE
Frame	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
Inner Frame Reinforcement	NO INNER FRAME REINFORCEMENT
Outer Frame Reinforcement	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
Yield Strength (psi)	120000
Section Modulus - per rail (cu. in.)	21.60
Frame RBM - per rail (lbf-in)	2592000

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TURNING RADIUS



Turning radius graphic and data provided strictly for comparisons between model configurations. Weather, road surfaces, and tire treads affect the results. It is strongly suggested that actual vehicles be measured before constructing any roads/driveways using this information. For specific figures regarding your configuration, please contact your CAE representative.

	Dimensions	Tolerance
Wall to Wall Diameter (ft)	49.4	+/- 3.0
Curb to Curb Diameter (ft)	48.0	+/- 3.0
Turning Radius (ft)	23.5	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

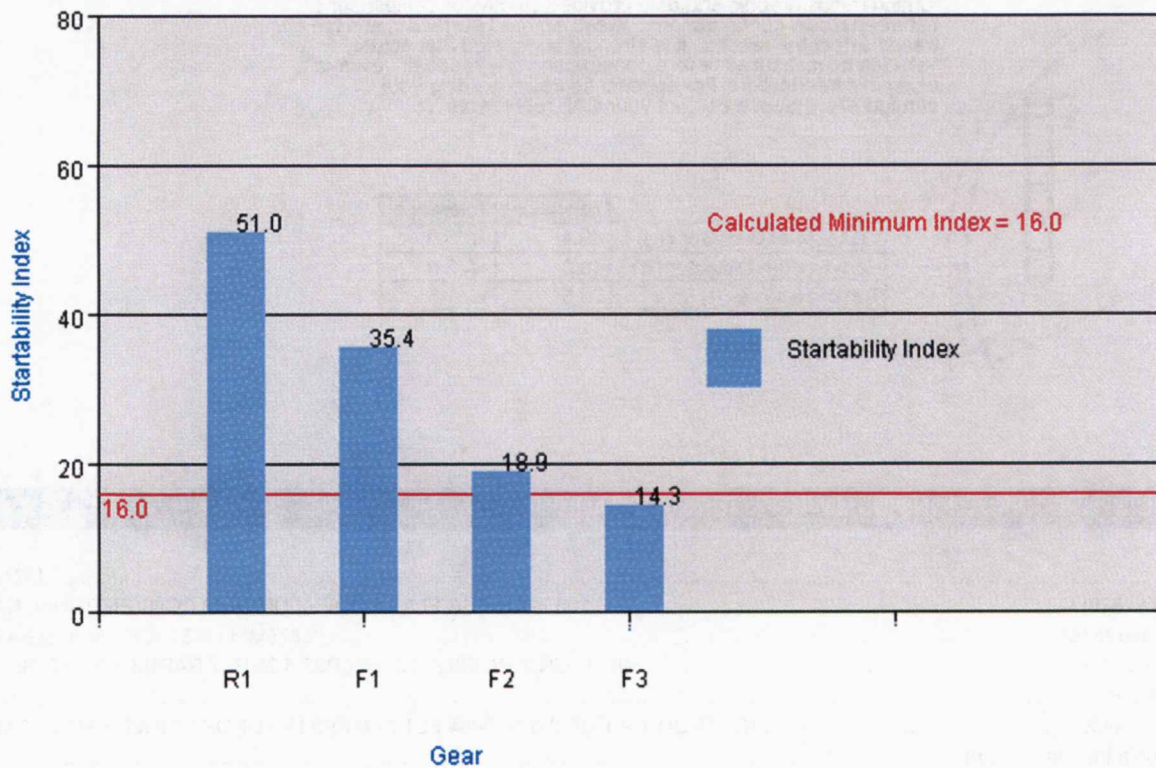
Model.....	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Wheelbase (545)	3875MM (153 INCH) WHEELBASE
Front Tires (093)	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES
Width (in)	12.5
Front Axle (400)	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
Kingpin Intersection (in)	71
Bumper (556).....	THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS
Width (in)	93.5
Bumper Miter to Front Axle (in)	21.458
Primary Steering Location (003).....	LH PRIMARY STEERING LOCATION
Steering Gear (536)	TRW TAS-85 POWER STEERING
Dual Steering Gear	NONE
Ram	NONE
Rear Axle (420).....	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Axle Spacing (624).....	NO AXLE SPACING

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STARTABILITY



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VEHICLE SPECIFICATIONS SUMMARY - STARTABILITY

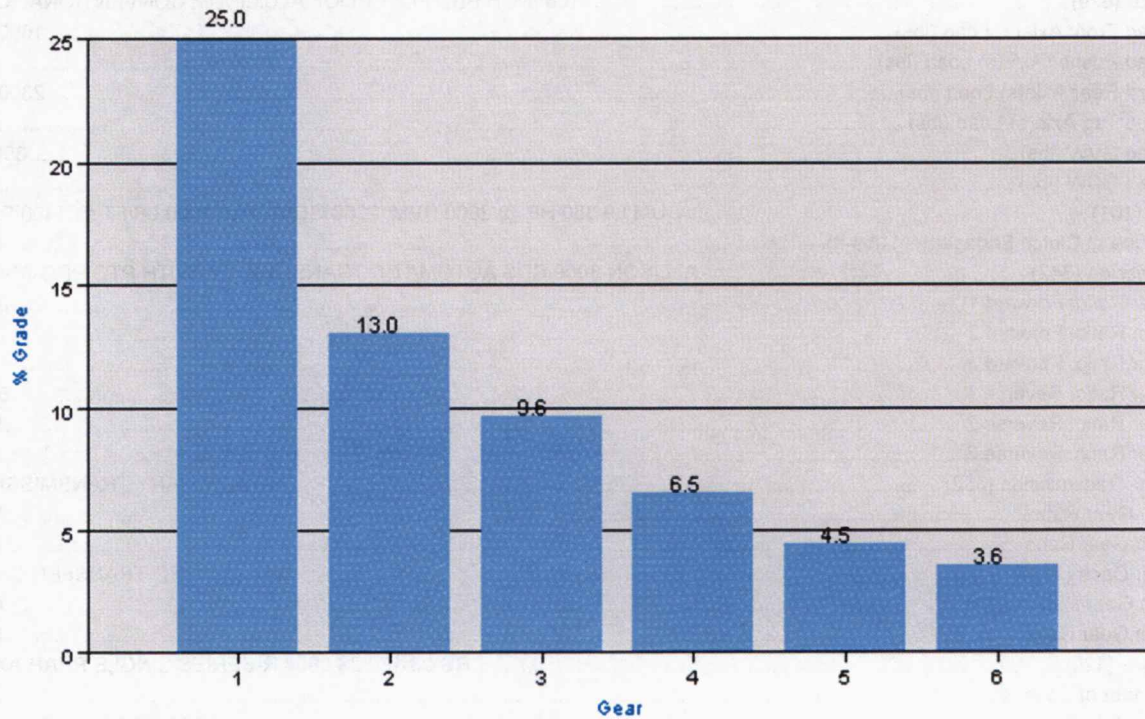
Model.....	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....	16000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs).....	23000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs).....	39000
Expected GCW (lbs).....	0.0
Engine (101).....	CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM
Torque at Clutch Engagement (lbs-ft).....	500
Transmission (342).....	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
Gear Ratio: Forward 1.....	3.49
Gear Ratio: Forward 2.....	1.86
Gear Ratio: Forward 3.....	1.41
Gear Ratio: Reverse 1.....	5.03
Gear Ratio: Reverse 2.....	N/A
Gear Ratio: Reverse 3.....	N/A
Auxiliary Transmission (352).....	NO AUXILIARY TRANSMISSION
Low Gear Ratio.....	N/A
High Gear Ratio.....	N/A
Transfer Case (373).....	NO TRANSFER CASE
Low Gear Ratio.....	N/A
High Gear Ratio.....	N/A
Rear Axle (420).....	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Number of Speeds.....	1
Rear Axle Gear Ratio(s).....	5.63 REAR AXLE RATIO
Rear Tires (094).....	MICHELIN X MULTI D 11R22.5 14 PLY RADIAL REAR TIRES
Revolutions per Mile.....	496
Vehicle Service (A85).....	UTILITY/REPAIR/MAINTENANCE SERVICE
Startability Factor.....	8
Terrain (AA5).....	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
Startability Factor.....	0
Most Severe Grade Expected (AB1).....	MAXIMUM 8% EXPECTED GRADE
Startability Factor.....	8
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE	
Startability Factor.....	0
Suggested Torque Converter Stall Ratio.....	2.02

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

Prepared for:
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7761 Liberty Rd
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Phone: 740-938-2015

Prepared by:
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GRADEABILITY



Desired Gradeability at Peak Torque = 0.5

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VEHICLE SPECIFICATIONS SUMMARY - GRADEABILITY

Model.....M2106
Cab Size (829).....106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Desired Gradeability at Peak Torque (%).....0.5
Desired Gradeability at Cruise Speed(%).....0.3
Desired Cruise Speed (mph).....65.0
Expected Front Axle(s) Load (lbs).....16000.0
Expected Pusher Axle(s) Load (lbs).....0.0
Expected Rear Axle(s) Load (lbs).....23000.0
Expected Tag Axle(s) Load (lbs).....0.0
Expected GVW (lbs).....39000
Expected GCW (lbs).....0.0
Engine (101).....CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM
 Peak Torque (lbs-ft).....1000
 RPM at Peak Torque.....1400
 Peak Torque (Multi-torque High) (lbs-ft).....1000
 RPM at Peak Torque (Multi-torque High).....1400
 Multi-torque.....NO
Transmission (342).....ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
Rear Axle (420).....RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
 Number of Speeds.....1
 Rear Axle Gear Ratio(s).....5.63 REAR AXLE RATIO
Rear Tires (094).....MICHELIN X MULTI D 11R22.5 14 PLY RADIAL REAR TIRES
 Revolutions per Mile.....496
 Trailer Width (in).....0.0
Trailer Height (ground to top) (ft).....8.0
Body Width (in).....96.0
Body Height (ground to top) (ft).....8.0
Roof Mounted Aero Device (784).....NO AIR SHIELD OR BRACKETS
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
Auxiliary Transmission (352).....NO AUXILIARY TRANSMISSION
 High Gear Ratio.....N/A
 Low Gear Ratio.....N/A
Transfer Case (373).....NO TRANSFER CASE
 High Gear Ratio.....N/A
 Low Gear Ratio.....N/A
Trailer Configuration (AA2).....NO TRAILER SPECIFIED

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TABLE SUMMARY - GRADEABILITY

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	3.49	19.65	8.6	223.7	25.0
2	1.86	10.47	16.2	218.6	13.0
3	1.41	7.94	21.3	214.1	9.6
4	1.00	5.63	30.1	203.6	6.5
5	0.75	4.22	40.1	186.4	4.5
6	0.65	3.66	46.3	172.3	3.6
Desired Gradeability at Peak Torque			0.5		
Rear Axle Ratio			5.63		
Gross HP Available at Peak Torque			266		
RPM at Peak Torque			1400		
*Blue background represents value input by user.					

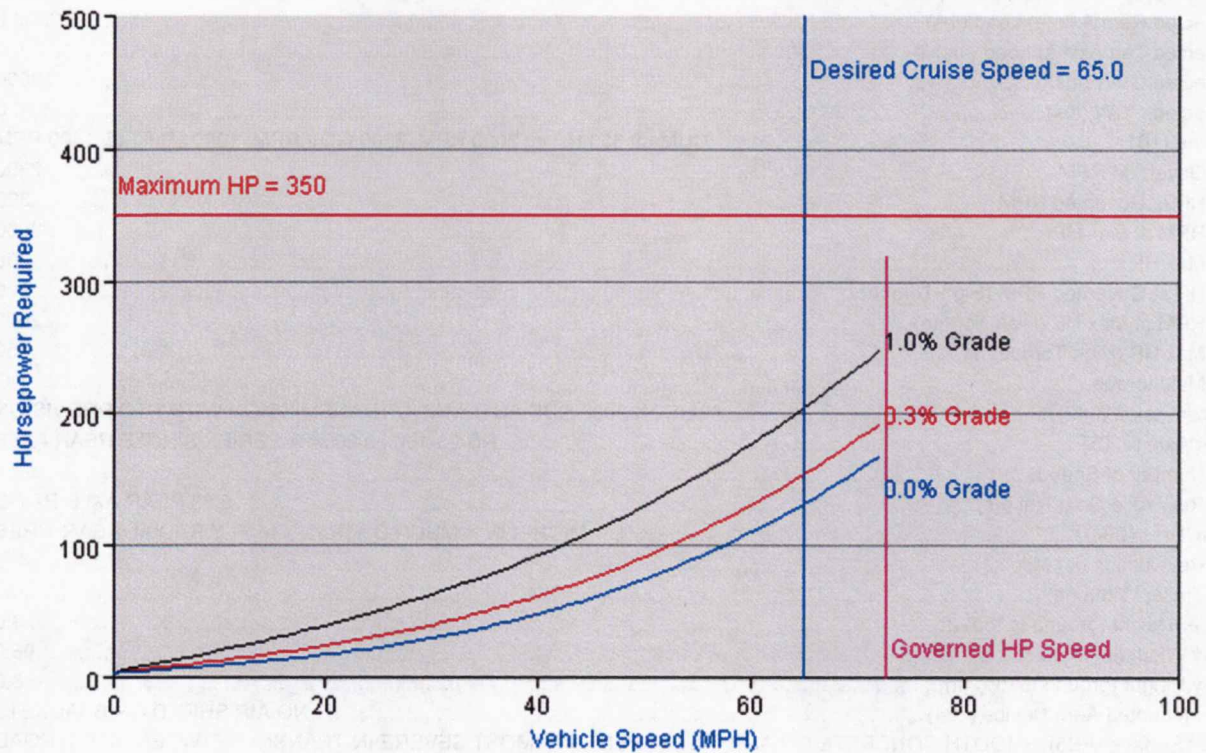
Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	3.49	19.65	12.1	269.3	21.4
2	1.86	10.47	22.7	260.4	11.0
3	1.41	7.94	30.0	251.6	8.1
4	1.00	5.63	42.2	229.6	5.2
5	0.75	4.22	56.3	190.4	3.3
6	0.65	3.66	65.0	157.0	2.3
Desired Gradeability at Cruise Speed			0.3		
Desired Cruise Speed			65.0		
Rear Axle Ratio			5.63		
Gross HP Available at Cruise Speed			344		
RPM at Cruise Speed			1966		
*Blue background represents value input by user.					

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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SPEEDABILITY



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VEHICLE SPECIFICATIONS SUMMARY - SPEEDABILITY

Model.....	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Desired Cruise Speed (mph).....	65.0
Expected Front Axle(s) Load (lbs).....	16000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs).....	23000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs).....	39000
Expected GCW (lbs).....	0.0
Engine (101).....	CUM L9 350 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM
Governed RPM.....	2200
HP at Governed RPM.....	320
RPM at Max HP.....	2000
Max HP.....	350
HP at Governed RPM (High Torque).....	320
RPM at Max HP (High Torque).....	2000
Max HP (High Torque).....	350
Multi-torque.....	NO
Transmission (342).....	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
Rear Axle (420).....	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Number of Speeds.....	1
Rear Axle Gear Ratio(s).....	5.63 REAR AXLE RATIO
Rear Tires (094).....	MICHELIN X MULTI D 11R22.5 14 PLY RADIAL REAR TIRES
Revolutions per Mile.....	496
Trailer Width (in).....	0.0
Trailer Height (ground to top) (ft).....	8.0
Body Width (in).....	96.0
Body Height (ground to top) (ft).....	8.0
Roof Mounted Aero Device (784).....	NO AIR SHIELD OR BRACKETS
Road Surface (AB5).....	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
Auxiliary Transmission (352).....	NO AUXILIARY TRANSMISSION
High Gear Ratio.....	N/A
Low Gear Ratio.....	N/A
Transfer Case (373).....	NO TRANSFER CASE
High Gear Ratio.....	N/A
Low Gear Ratio.....	N/A

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TABLE SUMMARY - SPEEDABILITY

Top Gear Speedability	At Max Power Speed	At Desired Cruise Speed
Top Gear Vehicle Speed (mph)	66.1	65.0
Engine RPM	2000	1966
Gross Power Available (HP)	350	N/A
Power (HP) Required for:		
Level Road	137	132
0.3% Grade	159	154
1.0% Grade	211	204
*Blue background represents value input by user.		

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



HENDERSON

PRODUCTS, INC.

2177 STATE ROUTE 19
BUCYRUS, OH 44820
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FAX: 563-927-7106

CUSTOMER QUOTE

Page 1

To: LIBERTY TWP - DELAWARE COUNTY
Attn: JOEL JAMES
Quote Date: 1/17/2019
Valid Until: 2/16/2019

Quoted By: Dan Perry
Quote #: 120900
Phone: 419-617-7509
Fax:
Email: dperry@hendersonproducts.com

Quoted:

SINGLE AXLE SNOW AND ICE CONTROL EQUIPMENT PACKAGE

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

Reversible snow plow

Flow Length: **11' length**
Moldboard Trip: **Full trip with 2 external compression springs**
Pushframe Type: **Standard Circle Frame with Top Mount Cylinders**
Moldboard Height: **42" height**
Moldboard Shield: **Integral shield**
Moldboard Sheet Material: **10GA 304SS steel ILO GR50 steel**
Moldboard Cut-Out / Ears: **Mailbox cutout on right side of moldboard**
Adjustable Trip Spring: **Five position adjustable trip spring preload**
Hydraulic Cylinders: **4" x 2" x 10" reversing nitrided cylinders**
Paint: **Front Unpainted, Matte Back Black**
12" Rubber Deflector: **Yes, w/ SS Backer**
Install Rubber Deflector: **Yes**
36" Plastic Side Markers, Pair: **Yes**
Parking Jack, Screw Adjustable: **Yes**
Install Parking Jack: **Yes**
Cutting Edge: **Std 5/8" x 8" One Piece AASHTO punch**
Hitch, Plow Portion: **Pin and loop oscillating hitch**
Plow Portion Installed on Plow: **Yes**
Option 1 Description: **EXTENDED PUSH FRAME 3/4in. ANGLE**
Option 2 Description: **WINTER BLOCK BUSTER CLASSIC CUTTING EDGE**

Snow Plow Hitch

Hitch, Truck Portion: **Pin and Loop hitch, Low Profile**
Lift Arm Type: **3 Point Lift reduces pin wear fold down arm for safe storage**
Lift Arm Size: **Telescoping Arm with 4x4x3/8" outer and 3x3x3/4" inner tube**
Lift Lug(s): **Standard 1/2" plate with key holes for 1/2" chain**
Hydraulic Lift Cylinder: **4" x 2" x 10" Double Acting Nitrided Lift Cylinder**
Option 1 Description: **STAINLESS QUICK COUPLERS**
Option 2 Description: **COUPLER PRESSURE RELEASE VALVE**
Option 3 Description: **LIFT CYLINDER DEACTIVATION SWITCH MOUNTED IN-CAB**

MARKE SA Dump Body





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CUSTOMER QUOTE

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BODY LENGTH: 10ft BODY LENGTH
SIDE STYLE: **STRAIGHT SIDES**
SIDE HEIGHT (FROM FLOOR): 30" 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: **TRN MOUNT TELE HOIST W/ SUBFRM, INTERNAL DOGHOUSE**
HOIST CYLINDER/MODEL: **MAILHOT CS-SERIES, DOUBLE ACTING, CS90-4.5-3DA**
HYDRAULIC PUMP: **NO FACTORY SUPPLIED HYDRAULIC PUMP**
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: **NO RESERVOIR - DEALER TO SUPPLY**
FLOOR MATERIAL: **1/4" AR400 FLOOR**
FLOOR TO SIDE RADIUS: **5" RADIUS FLOOR TO SIDE**
LONGSILL MATERIAL: **5" I-BEAM LONGSILLS (STANDARD SKIP WELD)**
SIDES/HEADSHEET MATERIAL: **10GA 201SS SIDES/HEAD**
SIDE BRACING TYPE: **SINGLE WELD-ON INTERMEDIATE SIDE BRACE**
SIDE BRACE MATERIAL: **10GA 201SS SIDE BRACING**
TOP RAIL STYLE: **FLAT (2" FLAT, THEN SLOPED)**
CONTOURED FRONT CORNER POSTS: **10GA 201SS FRONT CORNER POSTS**
REAR CORNER POST MATERIAL: **7GA 201SS REAR CORNER POSTS**
TAILGATE STYLE: **STANDARD TAILGATE**
TAILGATE SHEET MATERIAL: **10GA 201SS TAILGATE SHEET**
TAILGATE BRACING: **DOUBLE HORIZONTAL TAILGATE BRACING**
TAILGATE BRACE MATERIAL: **10GA 201SS TAILGATE BRACING**
TAILGATE TOP PIVOT HARDWARE: **1-1/4" PINS, 1" PLATES, GREASABLE**
TAILGATE LATCH TYPE: **DBL ACTING AIR CYL TG RELEASE, GREASABLE SS BUSHINGS**
TAILGATE RELEASE VALVE: **MANUAL PULL TAILGATE RELEASE VALVE**
TAILGATE PIN LANYARDS: **NO TAILGATE PIVOT PIN LANYARDS**
TAILGATE LIFT LOOP: **TAILGATE LIFT LOOP, CENTER OUTSIDE (SS)**
LATCH JAWS: **LOWER TG LATCH JAWS, GREASABLE**
COAL CHUTE: **NO COAL CHUTE**
REAR FACE LIGHT HOLES: **(3) 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: **GREASABLE HINGE BLOCKS**
BODY HINGE PAINT: **YES, REAR HINGE PAINTED @ FACTORY**
PAINT PREPARATION: **SS WASH-NATURAL FINISH, PRIME MILD PARTS (201/304SS BODY)**
CABSHIELD STYLE: **STANDARD WELD ON CABSHIELD**
CABSHIELD MATERIAL: **10GA W/ 7GA END PLATES (201SS)**
CABSHIELD SIZE: **22" X 86" CABSHIELD (1/2 CAB)**
CABSHIELD MOUNTED LIGHT HOLES: **FOUR OVALS, (1) FACING EACH SIDE, (2) FACING FORWARD**
INSTALL CABSHIELD: **CABSHIELD SHIPPED LOOSE, DEALER TO INSTALL**
ASPHALT LIP: **NO ASPHALT LIP**
WALK RAILS: **WALK RAIL INSTALLED ON LOWER RUBRAILS**





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CUSTOMER QUOTE

Page 3

WALKRAIL MATERIAL: **STAINLESS STEEL WALKRAIL MATERIAL**
WALK RAIL TYPE: **1-1/2" GRIP STRUT (304SS)**
TARP RAILS: **NO TARP RAILS**
SIDE LADDERS: **(YES) SIDE LADDER - Pick From List Below**
SIDE LADDER MATERIAL: **STAINLESS STEEL LADDER CONSTRUCTION - Pick From List Below**
DRIVER'S SIDE FRONT LADDER: **3 STEP PULL OUT LADDER (201SS)**
INSTALL DRIVER SIDE FRONT LADDER: **NO, SHIP DRIVERS SIDE FRONT LADDER LOOSE**
DRIVER'S SIDE REAR LADDER: **NO DRIVERS SIDE REAR LADDER**
CURBSIDE FRONT LADDER: **NO CURBSIDE FRONT LADDER**
CURBSIDE REAR LADDER: **NO CURB SIDE REAR 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: **VIBRATOR MOUNTING PAD, BETWEEN LONGSILLS (MILD)**
REAR APRON FILLER PLATE (FOR TGS SANDER): **NO REAR APRON FILL PLATE**
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**

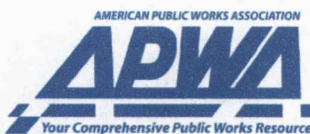
TGS salt / sand spreader

TROUGH MATERIAL: **201SS**
AUGER SIZE AND TYPE: **6" dia. auger, direct drive**
MOUNTING BRACKETS: **Std brackets for 96" wide bodies**
Option 1 Description: **FAR LEFT AUGER TROUGH DISCHARGE PORT**
Option 2 Description: **OLD STYLE FULL WIDTH CLEAN OUT PAN**

Installation Workup

Facility: **IDC-OH**
Chassis Delivery To Henderson: **Truck Dealer/Customer Delivers**
Completed Truck Delivery Method: **Henderson Delivers (1-125 Mi)**
Chassis Make: **Freightliner**
Chassis Model Yr: **2019**
Chassis Model: **M106**
Useable CA/CT: **84in. CA**
Pump Location: **Transmission Mount Pump**
Transmission Type: **Automatic**
Transmission Model: **Allison Transmission**

Hitch Type: **Low Profile or Manual Tilt Type Hitch**
Mount Type: **Engineered Truck Hitch (sales to order hitch w/ unit)**
Mount Spec: **OHIO SIDE PLATES #163925**
Front Bumper: **OEM Bumper Cut and Split**





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CUSTOMER QUOTE

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Hitch Options 1: **COUPLER PRESSURE RELEASE VALVE INSTALLED**
Hitch Options 2: **PLOW LIFT CYLINDER DEACTIVATION SWITCH MOUNTED IN-CAB**

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: **Supl'd/Instl'd on plow @ Factory, Sales order with unit**
Plow Options 1: **WINTER BLOCK BUSTER CLASSIC CUTTING EDGE SYSTEM**

Dump Body Type: **Mark E Single Axle**
Floor Length: **(10') Floor length**
Hoist Type: **Tele Trun Hoist with Subframe, Internal Doghouse**
Body Material (Sides/ends): **Stainless Steel Type Body Material**
Tailgate Release Type: **Factory supplied air over air valve release**
Cabshield Install: **Supl'd by fact, welded to body @ IDC, sales to order w/ unit**
Step(s): **Supplied and install @ IDC (select from step options below)**
Step QTY: **2**
Step 1 Type: **SS Serrated 18" Step (Rub Rail/Side Brace)**
Step 1 Location: **TBD at time of pre-build**
Step 2 Type: **SS Serrated 18" Step (Rub Rail/Side Brace)**
Step 2 Location: **TBD at time of pre-build**
Grab Handle(s): **(2) IDC supplied/installed grab handles (select type below)**
Grab Handle 1 Type: **SS 17" grab handle**
Grab Handle 2 Type: **SS 17" grab handle**
Ladder(s): **Supplied by factory, Install @ IDC (sales to order w/ unit)**
Ladder Install QTY (Dump): **(1) LADDER INSTALLED @ IDC (LABOR ONLY)**
Ladder Install Style (Dump) 1: **3 Step Pull Out**
Ladder Install Loc 1 (Dump): **Driver Side Front**
Shovel Holder: **(1) IDC Supl'd Spring Loaded SS Shovel Holder w/ SS brckt**
Shovel Holder Loc (1): **Driver side headsheet**
Vibrator: **Vibco - Dump Body Vibrator & bracket (order vib pad w unit)**
Sideboards: **Wood (Painted Black), supplied/installed by IDC**

Sideboard Notes:

Tarp Brand: **Rollrite (order 86" c/s if using integral shield)**
Tarp System: **Tarpmaster 400, 30° arms, w/ Wind Defelct, Tensioners**
Tarp Material: **Black Vinyl (Asphalt rated)**
Tarp Length: **18' Body or shorter Length (BV,RR)**
Body Install Options 1: **STEP MOUNTED INSIDE FRONT CORNER OF BODY**

Body Spec Notes:

Spreader Type: **TGS**
TGS Drive Type: **Hydraulic Drive**
TGS Spinner Configuration: **Single Spinner Install**
TGS Body Type: **Standard straight gate body install**





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TGS mounting type: **STD TGS brackets (supplied with unit)**

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

Mudflaps (Rear): **Swinging w/o Logo**

Mudflap Type (Rear): **36" Swinging, SS (No LOGO)**

Fenders: **Poly fenders, Full Pair, single axle, SS mount**

Pintle Plate: **Yes (select from options below)**

Pintle Plate Configuration: **3/4" Plate, PH20 Holes, SA w/SubFrm (w/ D-rings, 3LTC)**

Pintle Hook: **20 Ton**

Trailer Plug (1): **7 Pin Trailer Plug, Truck end 7-Way RV, new style (municipal)**

Auto Tire Chains: **OnSpot Chains**

Exhaust Elbows: **5" x 18" Chrome**

Truck Wash: **Complete Truck Wash/Clean/Vac 1**

Warranty: **Standard 1 Year Warranty**

Reflective Tape: **Reflective Tape, Henderson Logo (60' Linear)**

Decal Package: **Package Decal Kit**

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

Power Distribution Panel: **Power Distribution Panel**

Misc Electrical Supplies: **Req'd Misc Elect Supplies**

Plow Lights: **Plow Lts, LED, Heated, Tlite, Rectangular, Pair**

Plow Light Brackets: **Plow Lt Brckts, SS, FRTLNR/Western Star/Other, Pair**

Worklight(s) QTY: **(QTY 3) Work Lights (Select type below)**

Worklight (1) Type: **LED, Worklight, 4in Round (Optilux)**

Worklight (1) Gen Location: **Rear Spinner**

Worklight (2) Type: **LED, Worklight, 4in Round (Optilux)**

Worklight (2) Gen Location: **On rear of body**

Worklight (3) Type: **LED, Worklight, 4in Round (Optilux)**

Worklight (3) Gen Location: **On rear of body**

Cabshield Warning Light Qty: **Qty 6 Lights (Order Holes with Unit)**

Cabshield Warning Lights: **QTY 6, 6" LED Oval Strobes, Amber (order holes w/unit)**

Cabshield Lighting Harness: **Cabshield Warning Lights Only (qty 2-6)**

Rear Dump Bolster (S/T/T): **LED S/T/T, kit (OH) (order holes)**

OEM Light Remount: **Remount OEM Chassis Lights**

Rear Dump Bolster (Back-up): **B/U Lights, LED, Clear, Oval, pair (Order holes with body)**

Rear Dump Bolster Strobes: **6" LED Oval Strobes, Amber, 1 PR, (order holes w/unit)**

Back up alarm: **Backup Alarm, 97db**

Junction Box/Backup Alarm Bracket: **Backup Alarm Bracket Installed**

Body up switch/light: **Body UP Switch/Body Up Light (Trucklite)**

Backbone & Wire Standoffs: **10' Backbone (For SA)**

Electrical Install Opt 1: **REAR FACING SELF-LEVELING SS LIGHTS BOXES ON CAB SHIELD**

Electrical Install Opt 2: **RSA03ZCR TR3 AMBER STROBES ON PLOW LIGHT BRKTS**

Hydraulics: **Full Hydraulic Package**

Hyd Supplier: **Certified (Select Pkg Below)**





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Hyd Supplier (Spec): **QUOTE# 18325801**
Controls Type: **Electric Controls**
PTO Type: **Included in Hydraulics Package**
Low Oil Shut Down: **Yes, included in Hyd Pkg**
Low Oil Indicator: **Yes, included in Hyd Pkg**
SS Tubing Upgrade: **SA, F&R lines, 6' Frnt, 9'Rr**
Quick Coupler Upgrade: **Standard Quick Couplers**
Hyd Options 1: **STAINLESS STEEL VALVE MOUNT/OIL RESERVOIR**
Hyd Options 2: **PLOW BALANCE VALVE**
Hyd Options 3: **ELECTRIC JOYSTICK CONTROL CONSOLE WITH ARMREST**
Hyd Options 4: **FREEDOM 2 ELECTRIC SPREADER CONTROLLER**
Hyd Options 5: **PLOW COUPLER PRESSURE RELEASE VALVE**

Hydraulics Notes:

IDC Paint Location: **IDC-OH**
Hitch Powder Paint: **Hitch Only (Black)**
Undercoat: **Undercoat (Body Underside & Chassis)**
Paint Code & Color (from color charts):

Single Package: \$75,624.00
Package(s) : 1
Total: \$75,624.00

Signed: _____ Date: _____

Quote notes: