

Clarksburg Mack					
Vendor:	Sales & Service	Contact Name:	Jerry Armentrout	Email:	jerry@clarksburgmack.com
				Phone:	800-288-7661

Item No.	Description:	Make/Model & Year	Estimated Unit Quantity	Unit Price	Item Total Cost
1	Complete Unit: Cab Chassis/ Dump Body w/Hyd. System w/Front snow plow & 9.5 V-box spreader	2019 Mack Model GU713	120	\$216,395.00	\$25,967,400.00
2	Complete Unit: Cab Chassis/ Dump Body w/Hyd. System w/Front snow plow & 9.5 V-box spreader, & Right front wing plow	2019 Mack Model GU713	50	\$230,407.00	\$11,520,350.00
3	Anti-Icing Tank & Spray System		50	\$15,790.00	\$789,500.00
Total Bid Cost		→			\$38,277,250.00

Bid will be awarded to the lowest overall bid total for all items
All item numbers shall be available to purchase seperately on as needed basis

08/15/17 12:56:44
 60 Purchasing Division

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ 0803 DOT1700000088

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

CLARKSBURG MACK SALES & SERVICE, INC.
Company
[Signature] PRESIDENT
Authorized Signature

8-14-17

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Clarksburg Mack Sales & Service, Inc.

Authorized Signature: W R Brunswick Jr Date: 7/26/17

State of West Virginia

County of Ohio, to-wit:

Taken, subscribed, and sworn to before me this 7th day of August, 2017.

My Commission expires August 21, 2019



NOTARY PUBLIC

Bruce E. Torbett

Purchasing Affidavit (Revised 08/01/2015)

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. **Application is made for 2.5% vendor preference for the reason checked:**

- ☐ Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
- ☒ Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification;
- ☐ Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; or,
- ☐ Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. **Application is made for 2.5% vendor preference for the reason checked:**

- ☒ Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. **Application is made for 2.5% vendor preference for the reason checked:**

- ☐ Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder's bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees or the bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years and the vendor's bid; or,

4. **Application is made for 5% vendor preference for the reason checked:**

- ☒ Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**

- ☐ Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**

- ☐ Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.**

- ☐ Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Clarksburg Mack Sales & Service, Inc. Signed: W R Brunswick Jr.
Date: 7/26/17 Title: GM

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

T. T. Mendonhall PRESIDENT
(Name, Title)
THOMAS T. MENDONHALL PRESIDENT
(Printed Name and Title)
PO Box 4277 CLARKSBURG, W.V. 26301
(Address)
304-232-7515 304-232-6719
(Phone Number) / (Fax Number)
ttm105@comcast.net
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

CLARKSBURG MACK SALES & SERVICE, INC.
(Company)

T. T. Mendonhall PRESIDENT
(Authorized Signature) (Representative Name, Title)

THOMAS T. MENDONHALL PRESIDENT
(Printed Name and Title of Authorized Representative)

8-14-17
(Date)

304-232-7515 304-232-6719
(Phone Number) (Fax Number)



Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
13 - Equipment

Proc Folder: 316206

Doc Description: ADDENDUM_2: Tandem Axle Dump Truck w/ Hyd Sys & Accessories

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-08-01	2017-08-15 13:30:00	CRFQ 0803 DOT1700000088	3

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON STE

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

CLARKSBURG MACK SALES & SERVICE, INC

1481 SHINNSTON PIKE

CLARKSBURG, WV 26301

800-288-7661

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins

(304) 558-2307

mark.a.atkins@wv.gov

Signature X

FEIN# 550638405

DATE 8-15-17

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

ADDENDUM_2: Is issued for the following:

1. To publish the agency response to questions submitted by vendors during the Technical Questioning period.
2. To publish a revised (08/01/2017) Exhibit_A Pricing Page.

No other changes made.

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Division of Highways (WVDOT), the West Virginia Department of Transportation (WVDOT), to establish an open-end contract for a 64,000 GVWR Tandem Axle Dump Truck with Snow Plow, V-Box Spreader and Central Hydraulic System with Stainless Steel Bed Body, Right Side Wing Plow Option, Anti-Icing Tank option, and Spray System option, per the attached documents.

MANDATORY PRE-BID MEETING:

Location: WV Division of Highways
Bldg 5 Training Room 855
1900 Kanawha Blvd East
Charleston, WV 25305

Time: 10:00am EST

Date: July 19, 2017

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV26201 US		DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	COMPLETE UNIT: (see Extended Description)	120.00000	EA	216,395.00	25,967,400.00

Comm Code	Manufacturer	Specification	Model#
25101601	Mack	2019	GU713

Extended Description :

COMPLETE UNIT: CAB CHASSIS/DUMP BODY WITH HYDRAULIC SYSTEM, FRONT SNOW PLOW, AND 9.5 V-BOX SPREADER

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV26201 US		DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	COMPLETE UNIT: (see Extended Description)	50.00000	EA	230,407.00	11,520,350.00

Comm Code	Manufacturer	Specification	Model#
25101926	MACK	2019	GU713

Extended Description :

COMPLETE UNIT: CAB CHASSIS/DUMP BODY WITH HYDRAULIC SYSTEM, FRONT SNOW PLOW, 9.5 V-BOX SPREADER, AND RIGHT FRONT WING PLOW

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV26201 US	DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Anti-icing Tank & Spray System	50.00000	EA	15,790.00	789,500.00

Comm Code	Manufacturer	Specification	Model#
25102001	MACK	2019	GU713

Extended Description :

Anti-icing Tank & Spray System

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV26201 US	DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	inactive	0.00000	EA		

Comm Code	Manufacturer	Specification	Model#
21101522			

Extended Description :

inactive

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV26201 US	DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Inactive	0.00000	EA		

Comm Code	Manufacturer	Specification	Model#
25102001			

Extended Description :
Inactive

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory Pre-Bid Meeting@ 10:00am EST	2017-07-19
2	Technical Questions due by:	2017-07-24

DOT1700000088	Document Phase Final	Document Description ADDENDUM_2: Tandem Axle Dump Truck w/ Hyd Sys & Accessories	Page 5 of 5
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

Exceptions & Clarifications

- 3.1.4.3 Mack's hood slope is 12 degrees.
- 3.1.4.9 Interior cloth color is slate grey
- 3.1.7.3 Clarification: Mack provides a corrosion resistant oil pan and hardware.
- 3.1.8.3 Exhaust piping and hardware is a combination of stainless steel, aluminum and steel.
- 3.1.9.6 All coolant piping is not stainless.
- 3.1.21.3 Alternator amps adjusted to 130 amp per Mack Engineering for optimal charging of AGM batteries. This avoids excessive water loss during charge cycle. Note: Penn DOT needed to adjust this as well.
- 5.2 WV Sate payment terms of 30 days is acceptable as applied to individual trucks delivered and invoiced.
- 6.1 Delivery time: Based on current production levels, Mack Trucks Inc. has line spaces currently available beginning January 2018. Chassis ordered this year will be built as 2019 models. Mack Trucks Inc. will provide manufacturing time schedules upon award of bid date and number of chassis intended. Every effort will be made to provide chassis ASAP. Additionally, the body company would need the number of units to determine their lead time as well.
- 8.7.1 Clarification: Warranty start dates will be the date individual trucks go into service.

CLARKSBURG MACK SALES & SERVICE, INC.



In Progress

Date 8/15/2017
Quote no MEND2017000026D353
Your ref

WV DEPT OF TRANSPORTATION
PO BOX 1469
CHARLESTON 253251469
WV

Technical Specification

GU713 R - 6x4 DAYCAB

17920 lb

CUSTOMER/VEHICLE INFO

Variant

Weight F/R

AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO
25 HOURS PER YEAR

REGIONAL FLEET 25 OR MORE VEHICLES IN OWN FLEET OF ANY VEHICLE
BRAND

GRADES <3% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 8%

2018B Pricebook

GU713 R - 6x4 DAYCAB

5144 / 1903 lb

MUNICIPAL

ALL 50 STATES, CARB ENGINE EMISSION (US17)

ENGLISH

WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE

SNOW PLOW TRUCK

80,000 LB (36 TONNES) GROSS COMBINATION WEIGHT

NORMAL HIGHWAY, STARTING GRADES<12%

GRAVEL LOADING AND / OR UNLOADING SURFACE

PICKUP & DELIVERY / SHORT HAUL SERVICE

APPLICATION PACKAGES

Variant

Weight F/R

WITHOUT PACKAGE

PK7 1750: CTO, LH BB, 25L DEF, SLEEVED FUEL TANK, OUTBOARD AIR

WITHOUT SPECIAL SALES PACKAGE

ENGINE/TRANSMISSIONS

THE AMERICAN TRUCK
YOU CAN COUNT ON



CLARKSBURG MACK SALES & SERVICE, INC.



In Progress

Date 8/15/2017
Quote no MEND2017000026D353
Weight F/R

Variant

MP8-455M MACK 455HP @ 1500-1900 RPM (PEAK) 2100 RPM (GOV) 1760 LB-FT, US'17

2165 / 541 lb

4500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 5 W/PROGNOSTICS

732 / 245 lb

ALLISON VOC PKG# 146 RDS ON-OFF HWY BASIC

ENGINE GOVERNOR TYPE MIN-MAX

BASIC, GEAR-SELECTION TUNING

EXHAUST/EMISSIONS

Variant

Weight F/R

IDLE EMISSION CERTIFICATION - CARB 08 (WITH DECAL LOCATED ON LOWER LH CORNER OF DRIVER DOOR

DPF COVER, PAINTED STEEL

CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US'17

9' 6" FROM GROUND

SINGLE VERTICAL RIGHT SIDE CAB MOUNTED, LOWER VENTURI DIFFUSER, PLAIN END

-46 / -2 lb

EXHAUST HEAT SHIELD TYPE, BASIC

6.6 GALLON (25 L) 22" INTEGRAL TO LH FUEL TANK

WITHOUT DEF TANK COVER

W/O BRIGHT FINISH EXHAUST

EMISSION OBD, DISPLAY ONLY, USA2016

ENGINE EQUIPMENT

Variant

Weight F/R

11" x 30" (279 mm x 762 mm) UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD

INSIDE/OUTSIDE AIR INTAKE W/IN-CAB CONTROL FOR SNOWPLOWS

20 / 0 lb

BLACK ALUMINUM MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER

MERITOR/WABCO 318 18.7 CFM

STANDARD FUEL FILTER POSITION

DELCO 12V 130A (24SI) BRUSH-TYPE

16 / 0 lb

(3) MACK 12V 800 CCA THREADED STUD TYPE AGM LONG LIFE

40 / 12 lb

STANDARD COOLING PERFORMANCE

12 / -2 lb

TO -34 DEGREES F (-37 DEGREES C)

MACK COOLANT CONDITIONER

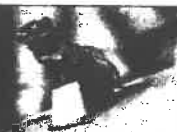
BEHR FAN WITH BEHR ELECTRONICALLY MODULATED FAN DRIVE

MACK MP8 POWERLEASH

MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER)

WITHOUT AUXILLIARY FUEL HEATING

THE AMERICAN TRUCK
YOU CAN COUNT ON



CLARKSBURG MACK SALES & SERVICE, INC.



In Progress

Date 8/15/2017
Quote no MEND2017000026D353

W/O FUEL HEATER
(3) BATTERY MAX, MTD LHS UNDER CAB, FWD OF LH FUEL TANK
W/O BATTERY DISCONNECT SWITCH
MOLDED PLASTIC
W/O EMERGENCY STARTING RECEPT.
SILICONE HOSES, SPRING CLAMPS ON RADIATOR & HEATER, 1/4 TURN
BALL VALVE HEATER HOSE
12 VOLT DELCO 39MT-MXT
CORROSION RESISTANT OIL PAN
W/O TETHER DEVICE
W/O ENGINE HEATER
W/O OIL PAN HEATER OPTIONW/O OIL PAN HEATER
W/O ENGINE COLD START AID
W/O OIL CHANGE SYSTEM
VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON
SERVICE BRAKE APPLICATION ONLY(3899000)
SHOCK PADS UNDER BATTERIES

-8 / -4 lb

CLUTCH/TRANS EQUIPMENT

Variant

Weight F/R

WITHOUT MACK PREDICTIVE CRUISE
ALLISON DASH MTD SHIFTER W/NEUTRAL TO RANGE INHIBIT (HD SERIES)
OMIT CLUTCH
SPICER 1810 HD W/COATED SPLINES
W/O AIR ASSIST
TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS
W/O CLUTCH PEDAL
FURNISH FOR ALLISON TRANS. W/DIRECT MOUNT COOLER & SS COOLANT
TUBES
W/O TRANSMISSION DUSTPROOFING
WITHOUT DRIVESHAFT GUARD FOR CENTER BEARING
PROPELLER SHAFT MAIN, UNIVERSAL JOINT HALF-ROUND TYPE
SPICER 1710 HD W/COATED SPLINES
W/O GRADE GRIPPER
HALF-ROUND UNIVERSAL JOINT
ALUMINUM
W/O CLUTCH BRAKE
W/O LUBRICATION FITTING OPTION
FURNISH TC541 FOR USE W/ALLISON (HD) SERIES WORLD TRANSMISSION
WITHOUT TRANSMISSION ADAPTATION RING
W/O CLUTCH STARTING SWITCH OPTION

12 / 12 lb

THE AMERICAN TRUCK
YOU CAN COUNT ON



CLARKSBURG MACK SALES & SERVICE, INC.



In Progress

Date 8/15/2017
Quote no MEND2017000026D353

W/O TRANSMISSION SHIFT SETTINGS
WITHOUT TRANSMISSION PROTECTION
ECONO ROLL DISABLE mDRIVE (REQUIRED FOR ALL OTHER
TRANSMISSIONS)
MACKCELLERATOR DISABLE

FRONT AXLE EQUIPMENT

Variant

Weight F/R

WITHOUT FRONT AXLE SPREAD	
20000# (9072kg) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS	428 / 0 lb
WITHOUT VEHICLE PREPARATION, ADDITIONAL FRONT AXLES	
MACK TAPERLEAF 20000# (9072kg) GROUND LOAD RATING	27 / 0 lb
MERITOR "S" CAM TYPE 16.5" x 6" Q+	29 / 0 lb
CAST IRON BRAKEDRUM, FRONT AXLE	
FURNISH	5 / 0 lb
FRONT BRAKE CHAMBER MANUFACTURER, MGM	
HALDEX - AUTOMATIC	
WITHOUT FRONT SPRING BIAS (EQUAL STIFFNESS L/R)	
STANDARD F.A. SPINDLE NUTS	
FAG SCHAEFFLER, FRONT GREASE SEAL	
MERITOR R403 BRAKE LINING.	
FERROUS	157 / 0 lb
DOUBLE ACTING TYPE	
SHEPPARD SD110 + HD94	206 / 0 lb
PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE	
FRONT BRAKE CHAMBER 24SQ INCHES (SERVICE)	
BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)	

REAR AXLE EQUIPMENT

Variant

Weight F/R

44000# (19958kg) MACK S440 (268 1004) FABRICATED STEEL HOUSING	0 / 1445 lb
W/O WIDE TRACK AXLE OPTION	
W/O LUBE PUMP AND FILTER	
CRDP150/151	
4.50 RATIO	
SS440 MACK MULTILEAF (CAMELBACK) 44000# - STANDARD SPRING THICKNESS	0 / 1921 lb
BRONZE	0 / 20 lb
50" AXLE SPACING (BOGIE WHEELBASE)	0 / -4 lb

THE AMERICAN TRUCK
YOU CAN COUNT ON



CLARKSBURG MACK SALES & SERVICE, INC.



In Progress

Date 8/15/2017
Quote no MEND2017000026D353

W/O AIR SUSP HEIGHT CONTROL	
WITHOUT AIR SUSPENSION DUMP WARNING	
W/O REAR SHOCK ABSORBERS	
TRANSVERSE TORQUE ROD (REAR AXLE ONLY)	
MERITOR "S" CAM 16.5"x7" (419x178 mm) Q+	0 / -17 lb
CAST IRON BRAKE DRUMS	
HALDEX - AUTOMATIC	
REAR SPRING BRAKE CHAMBERS 30/30 TYPE	
FURNISH	12 / 0 lb
ABEX 931-162 (MERITOR R301) (REAR EACH AXLE 23,000LBS MAX)	
IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0 / 318 lb
PREMIUM HUB OIL REAR SEAL	
POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0 / 40 lb
FACTORY OPTION LUBE - REAR AXLE	
URETHANE SHOCK INSULATORS, HEAVY DUTY, HIGHLY RECOMMENDED	0 / 5 lb
W/SS582 & SS652 REAR SUSP	
MGM MODEL TR-T; TAMPER-RESISTANT BRAKE CHAMBERS	
OMIT DIFFERENTIAL LOCKS - 3 AXLES	
SPINDLE NUTS, MAIN AXLE, INTERGRATED	
4S/4M SYSTEM REAR WHEEL END SENSORS	
BENDIX WITH TRACTION CONTROL	
BENDIX SWITCHES AND VALVES WHERE POSSIBLE	
W/O AUTOMATIC TRACTION CONTROL (ATC) DISABLE SWITCH	

PUSHER/TAG AXLE EQUIPMENT

Variant

Weight F/R

WITHOUT AUXILIARY AXLE CONTROLS
TRAILING BRAKES WITHOUT DUST SHIELDS
WITHOUT AUXILIARY AXLE CONTROL VALVE LOCATION

FRAME EQUIPMENT/FUEL TANKS

Variant

Weight F/R

210"	115 / 115 lb
71"	-24 / 283 lb
STEEL - 300MM X 90MM X 11.1MM - (11.81" X 3.54" X 0.437")	
WITHOUT FRAME REINFORCEMENT - INSIDE	
WITHOUT FRAME REINFORCEMENT - OUTSIDE	
W/O FRONT FRAME EXTENSION	
Bumper Position Extended 20" (snow)	131 / -13 lb
W/O FUEL LINE OPTION	
W/O FRAME RAIL CLEARANCE	

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W/O BRIGHT FINISH FUEL TANKS
WITHOUT GUARD
BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK
FURNISH STANDARD STEEL CLOSING REAR CROSSMEMBER
WITHOUT TAPERED FRAME RAIL ENDS
W/O RUST PREVENTATIVE OPTION
W/O RADIATOR GUARD
W/O REAR MUD FLAP HANGER BRKTS
W/O REAR MUD FLAPS
BLACK POLYARMOUR (NO NAME TO APPEAR ON FLAP) (NOT ANTI-SPRAY
TYPE)
EXTENDED-SWEPT BACK-STEEL
BOC AND INTERMEDIATE(S) STEEL HD BACK-TO-BACK CHANNEL
STEEL SINGLE CHANNEL (1) -13 / 51 lb
BASIC SOLUTION TRUNNION BRACKET, STD HEIGHT
HOOKS
W/O REAR TOWING DEVICE
W/O REAR TOWING DEVICE
111 GALLON (420 L) 22" ALUMINUM, SLEEVED D-SHAPED 100 / 45 lb
OMIT RH STANDARD
W/O TOOL BOX
BRAIDED HOSE 5 / 3 lb
W/O FILLER NECK SCREEN OPTION
NON-LOCKABLE FUEL TANK CAP
STANDARD FINISH STEPS AND BRIGHT FINISH STRAPS
W/O QUARTER FENDERS
W/O ISOLATED TANK(S)

AIR/BRAKE

Variant

Weight F/R

WABCO AIR DR, 1200UP W/ T CUT OFF VALVE, W COALESC OIL FILTER,
HEATED
MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS
ALUMINUM, STANDARD FINISH -24 / 0 lb
W/O RELOCATION OPTION
W/O PARK BRAKE ALARM
TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND
TRACTOR-TRAILER PARK
W/O RELOCATED AIR TANKS
W/O INCREASED AIR RESERVOIR CAPACITY

ELECTRICAL

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Weight F/R

Variant

CHASSIS & POWER HARNESS WITH HEAVY DUTY CASING
W/O SPOTLIGHT
WITHOUT PARKING BRAKE LIGHTING
WITHOUT BACK-UP ALARM
WITHOUT FOG LIGHTS
WITHOUT FOG LAMP TECHNOLOGY
DASH CONTROL & POWER SUPPLY FOR LOCAL INSTALL OF AUX
SNOWPLOW LAMPS OVERRIDE DAYTIME RUNNING LIGHTS
LED TYPE TAIL LAMP MODULE MTD BELOW REAR CROSSMEMBER
SIX (6) ASSIGNABLE BODYBUILDER DASH SWITCHES (5 ON-OFF, 1
MOMENTARY)
W/O MARKER/DIR SIGNAL OPTION
PARK BRAKE AND ENGINE RUNNING ACTIVATED
WITHOUT WARNING LIGHTS

0 / 7 lb

TRAILER CONNECTIONS

Variant

Weight F/R

WITHOUT FIFTH WHEEL ANGLES
WITHOUT 5TH WHEEL ANGLE THICKNESS
WITHOUT FIFTH WHEEL OFFSET
GLAD HAND COUPLINGS - NORTH AMERICAN STD
HAND CONTROL VALVE FOR TRAILER OR REAR SERVICE BRAKES - DUAL
FUNCTION
TRAILER AIR BRAKE CONNECTIONS, END OF FRAME
W/O TRAILER ACCESS PACKAGE
SINGLE 7 PINS STD SAE TYPE, END OF FRAME
W/O TRAILER HOOK-UP LIGHT

7 / 0 lb

23 / 23 lb

PTO/SPECIALTY EQUIPMENT

Variant

Weight F/R

WITHOUT HYDRAULIC PUMP
NO FRAME MODIFICATIONS PROVIDED
CERTIFIED WEIGHT
W/O OIL COOLER AUX TRANS OPTION
TRANSMISSION PTO SWITCH AND LIGHT WITH WIRING AND PIPING FOR
LOCAL INSTALLATION
W/O NEUTRAL CONTROL
W/O FRONT END PTO DRIVE
WITHOUT AIR UNLOAD SYSTEM
W/O COLLISION WARNING SYSTEM

3 / 0 lb

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WITHOUT PTO TRANSMISSION SIDE, FREE SPACE
BODY LINK III W/CAB PASS-THRU
WITHOUT TIME GAP SETTINGS
W/O SPECIAL DECALS
WITHOUT REAR ENGINE POWER TAKE OFF
W/O REAR MTD PTO

CAB (A THRU G)

Variant

Weight F/R

Day Cab (No Sleeper)
FENDER EXTENSIONS 5 / 0 lb
W/O HUBODOMETER
(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED
CIGAR LIGHTER
ASHTRAY
U.S. UNITS (PREDOMINANT)
STD PKG + ENG OIL TEMP, TRANSM OIL TEMP & EXH PYROMETER
WITHOUT REAR AXLE OIL TEMPERATURE GAUGE
W/O INSIDE/OUTSIDE TEMP GAUGE OPTION
POLYURETHANE FLOOR MAT
HEATED TINTED WINDSHIELD ONLY, TINTED SIDE AND REAR WINDOW
BF EXTERIOR CAB GRAB HANDLES, BL GRAB HANDLE RH INTERIOR
WINDSHIELD POST
GRILLE PAINTED GRAY
SILVER PAINTED W/O GRILLE SURROUND
W/O AUTO RADIO SHUTOFF OPTION
MACK INTEGRAL HEATER-DEFROSTER W/AIR CONDITIONING PROTECTION
AND DIAGNOSTIC SYSTEM (APADS)
5LB (ABC RATED/AMEREX) MOUNTED BETWEEN LH SEAT BASE AND DOOR 12 / 0 lb
WITH VALVE AIMED REARWARD
W/O CAB FAN, AUX AIR CIRC OPTION
HARD MOLDED STORAGE UNIT DRIVERS & RIDERS DOORS
W/O SATELLITE RADIO ANTENNA
SPEAKER LOCATION, BEHIND DOORS, MIDDLE HIGH SIDE PANEL
PEEP WINDOW ON RIGHT SIDE NON STG WHL POS. DEPEND
WITHOUT CAB CLEANOUT
W/O OPTIONAL DASH MTD. LIGHT
W/O AIR RESTRICTION MONITOR (displayed in CO-Pilot only)
W/O INDEPENDENT ENGINE HOURMETER
FURNISH STANDARD (2) STEP CAB ACCESS OPTION

CAB (H THRU R)

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Variant

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Weight F/R

HOOD INSULATION
WITHOUT INFOTAINMENT SERVICES / FEATURES
REAR CAB SUSPENSION, AIR
RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR
W/O CB RADIO
(2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING
FOR CB PROVISIONS
REAR WINDOW (FIXED TYPE)
VINYL COVERED FOAM PADDED HEADLINER
WITHOUT HOOD HATCH
PAINTED HOOD LATCHES
CO-PILOT DRIVER DISPLAY, ENHANCED 4.5" DIAGONAL LCD DISPLAY
W/4-BUTTON STALK CONTROL
PEDIGREE SLATE GRAY
W/O ELECTRONIC KEYLESS ENTRY
WITHOUT CONVEX TYPE
W/O PERMIT PLATE OPTION
(1) MACK RECTANGULAR SINGLE TRUMPET, CHROME PLATED STEEL 3 / 0 lb
W/SNOW SHIELD
48" ANTENNA LEFT SIDE MIRROR MOUNTED
SINGLE TONE
(5) GROTE LED LAMPS 3 / 0 lb
CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE
ALL CHASSIS KEYED ALIKE-4KEYS (M153) (H676)
BULLDOG STYLIZED MIRRORS - LH & RH HEATED & MOTORIZED W/INTEGRAL 3 / 0 lb
CONVEX MIRROR
WITH AERO MIRRORS
RECT CONVEX ABOVE RH DOOR WINDOW 3 / 0 lb
W/O PERSONALIZED OPTION
AM/FM PREMIUM STEREO, CD-PLAYER, MP3, WEATHERBAND, HANDSFREE
INTERFACE, BLUETOOTH
POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER
CONSOLE
W/O ROOF VENT VENTILATION
STORAGE POUCH REAR
BRUSHED NICKEL
HEATED MIRROR TIME-OUT, 30 MIN
W/O UPPER STORAGE OPTION
W/O SLEEPER BOX FURNISH KIT PARALLEL TO INSIDE SURFACE OF RIDERS 12 / 5 lb
SEAT BASE

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CAB (S THRU Z)

Variant

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Weight F/R

WITHOUT EXTERIOR SUNVISOR
POWER WINDOWS (LH&RH)-ELEC. W/MANUAL DOOR LOCKS.
KEY TYPE
TWO SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE & ARCTIC WIPER BLADES
AIR-NATIONAL 2000 (HIGH-BACK) SINGLE CHAMBER AIR LUMBAR, 2 POSITION FRONT CUSHION ADJ. 5 / 3 lb
INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT 5 / 3 lb
W/O IND.
W/O SEAT DUST COVER FOR DRIVER'S AND RIDER'S SEATS
NATIONAL 2000 (HI-BACK), SINGLE CHAMBER AIR LUMBAR, 2 POS FRONT CUSHION ADJ. AIR-SUSPENSION 29 / 18 lb
W/O WORK LIGHTS
CLOTH & VINYL, CAB INTERIOR DEPENDENT COLOR, DRIVER & RIDER SEATS
SEAT BELTS (ORANGE)/RETRACTORS, LAP AND SHOULDER FOR DRIVER AND RIDER SEAT
SELF CANCELLING TURN SIGNALS
W/O WINDSHIELD WASHER OPTION
2 SPOKE URETHANE GRIP, CHARCOAL SPOKES, W/O SWITCHES
SUN VISOR - BOTH SIDES
2-PIECE WINDSHIELD

CAB - SLEEPER BOX

Variant

Weight F/R

Without rear wall cabinet / shelf

AERODYNAMIC DEVICES

Variant

Weight F/R

WITHOUT AERO AIDS

WHEELS & TIRES

Variant

Weight F/R

WITHOUT WHEEL FINISHING TRAILING
LOW ROLLING RESISTANCE, BETTER FUEL ECONOMY
OTHER (NON-SPECIFIED), VERY POOR FUEL ECONOMY
TWO FRONT TIRES & WHEELS
EIGHT REAR AXLE TIRES & WHEELS
315/80R22.5 L MICHELIN X LINE ENERGY Z

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TIRE SPEED LIMIT BASIC

22.5x9.00 ALCOA ULTRA ONE ALUM DISC 10-HP; 11.25" BC, 5.96"INSET

111 / 0 lb

MACHINE CLEAN BUFFED-ALL WHEELS

11R22.5 H BRIDGESTONE L320 (TRACTION)

0 / 1147 lb

22.5x8.25 ALCOA LVL ONE ALUM DISC 10-HOLE HUB PILOTED (11 1/4" 286mm
BOLT CIRCLE)

0 / 353 lb

WHEEL NUT BASIC FINISH, REAR

WITHOUT REAR WHEEL RIM CLAMP

MACHINE CLEAN BUFFED - ALL WHEELS

WHEEL STUDS BASIC LENGTH

PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM

0 / 3 lb

FURNISH PROTECTIVE NYLON SPACER BETWEEN DISCS & WHEEL TO
DRUM

0 / 3 lb

W/O FRONT WHEEL NUT OPTION

PROVIDE STANDARD VALVE STEMS AND CAPS

W/O SPARE WHEEL W/TIRE

W/O SPARE TIRE CARRIER

W/O HYDRAULIC JACK

COMMUNICATION SYSTEMS

Variant

Weight F/R

WITHOUT SOFTWARE DOWNLOAD PASSWORD

WITHOUT SOFTWARE DOWNLOAD NOTIFICATION

DISPLAY FEATURES, LIMITED, NO DRIVER ACCESS LEVEL 1

W/O NAVIGATION/COMM DEVICE

WITHOUT FLEET TRIP MANAGEMENT DRIVER CONTROL

GUARDDOG CONNECT WITH 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC
SERVICES

REMOTE SOFTWARE UPGRADE ENABLED

VEHICLE ELECTRONICS

Variant

Weight F/R

WITHOUT SERVICE ALERT SYSTEM

WITHOUT RESET DRIVER ID TIMER

DRIVER ID FUNCTION, DISABLED

WITHOUT CUSTOMER UNIQUE VEHICLE PARAMETERS

WITHOUT DRIVER ID ALERT TIMER

WITHOUT ELECTRONIC HAND THROTTLE, JUMP TO MIN. ENGINE SPEED

WITHOUT FUEL ECONOMY CALCULATION DISTANCE INTERVAL

WITHOUT FUEL ECONOMY PENALTY TARGET

WITHOUT FUEL ECONOMY REWARD TARGET

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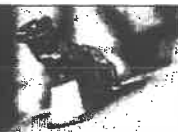


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ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED
ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE
30 SEC IDLE S/D WARNING TIME
ENGINE IDLE COOLDOWN, DISABLE
ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)
ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM
ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM
WITHOUT ELECTRONIC HAND THROTTLE, SINGLE SPEED CONTROL
WITHOUT ELECTRONIC HAND THROTTLE, SINGLE SPEED SETTING
ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC
WITHOUT ENG FAN CONTROL, A/C ON, TIME SETTING
WITHOUT FAN ENGAGEMENT DUE TO PTO
WITHOUT ENG FAN CONTROL, MOVING VEHICLE
WITHOUT ENG FAN CONTROL, MOVING VEHICLE, TIME SETTING
IDLE SHUTDOWN TIME 10 MIN.
MIN CRUISE, 32 KPH (20 MPH)
WITHOUT CRUISE RESUME WITH CLUTCH
ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED
WITHOUT FUEL ECONOMY INCENTIVE PROGRAM
WITHOUT FUEL ECONOMY REWARD, SPEED LIMIT INCREASE
WITHOUT FUEL ECONOMY PENALTY, SPEED LIMIT DECREASE
WITHOUT PTO 1ST, SINGLE SPEED CONTROL
PTO 1ST, SINGLE SPEED SETTING, 1000 RPM
1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
PTO 1ST, SPEED RAMP RATE 100 RPM/SEC
PTO 1ST, MAX ENGINE SPEED, 2100 RPM
PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH)
PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM
PTO 1ST, AUTO SET SINGLE SPEED, DISABLE
ENGINE IDLE DELAY TO START LOG, 2 MIN
ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM
VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)
ENGINE IDLE SHUTDOWN, DISABLE
VEHICLE OVERSPEED, ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)
ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM
PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM
PTO 2ND, SPEED RAMP RATE 100 RPM/SEC
2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
WITHOUT 2ND PTO, SINGLE SPEED CONTROL
PTO 2ND, AUTO SET SINGLE SPEED, DISABLE

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PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH)
PTO2 SINGLE SPEED SETTING, 1000 RPM
PTO 2ND, MAX ENGINE SPEED, 2100 RPM
WITHOUT LOW IDLE RPM ADJUSTMENT
105 KM/HOUR ROAD SPEED LIMITER(65 MILES/HOUR)
MAX CRUISE, 105 KPH (65 MPH)
ENGINE PROTECTION (SHUTDOWN)
IDLE CONTROL, 650 RPM
WITHOUT ENGINE IDLE ADJUST
WITHOUT LOWER GEAR VEHICLE LIMITING FEATURE
WITHOUT LOW GEAR VEHICLE LIMITING SPEED
WITHOUT MAINTENANCE DUE ALERT PERCENTAGE
WITHOUT PERIODIC TRIP LOG, HOUR
WITHOUT PERIODIC TRIP LOG, DAY OF WEEK
PERIODIC TRIP LOG, DAY 1 OF THE MONTH
WITHOUT COOLANT LEVEL ENGINE SHUTDOWN
COOLANT TEMP, ENGINE SHUTDOWN
OIL PRESSURE, ENGINE SHUTDOWN
INCREASE 10 MINUTE MAXIMUM TIME
WITHOUT DAYTIME RUNNING LAMP OVERRIDE SW
WITHOUT DRL OVERRIDE SPEED THRESHOLD
WITHOUT PTO 1ST, JUMP TO MINIMUM ENGINE SPEED
WITHOUT PTO 2ND, JUMP TO MINIMUM ENGINE SPEED
WITHOUT SERVICE INTERVALS (USER ENTERED)
WITHOUT SERVICE ALERT
5 MIN. WARM UP TIME DELAY
WITHOUT ENG FAN CONTROL, STATIONARY VEHICLE
WITHOUT ENGINE HIGH IDLE SPEED IN UPPER GEARS
WITHOUT ENGINE IDLE SHUTDOWN TIME OVERRIDE IF EHT ACTIVE
38C DEG (100F), WARM UP TEMP DELAY
WITHOUT IDLE SHUTDOWN CONTROL
ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT
DETECTION OF SPEED SENSOR TAMPERING, ENABLE
WITH CRUISE CONTROL
WITHOUT ACCELERATOR LIMITER
AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)
AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)
DISABLE POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT
POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 8KMH (5MPH)
WITHOUT PTO2 HOLD

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WITHOUT PTO2 ACCEL "BUMP-UP"
WITHOUT PTO2 DECEL "BUMP-DOWN"
WITHOUT PTO1 HOLD
WITHOUT PTO1 ACCEL "BUMP-UP"
WITHOUT PTO1 DECEL "BUMP-DOWN"
WITHOUT ELECTRONIC HAND THROTTLE HOLD
WITHOUT ELECTRONIC HAND THROTTLE ACCEL "BUMP-UP"
WITHOUT ELECTRONIC HAND THROTTLE DECEL "BUMP-DOWN"
IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED
IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD
WITHOUT WITH RSL CONTROL TYPE
ENGINE HIGH IDLE SPEED IN UPPER GEARS, DISABLED
WITHOUT 1ST RATIO FOR REDUCED HIGH IDLE
W/O PTO2 SPLITTER RANGE
W/O PTO1 FOR SPLITTER RANGE
WITHOUT LAST RATIO FOR FULL HIGH IDLE
105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)
WITHOUT MAXIMUM ENGINE SPEED AT 0 MPH

PAINT

Variant

Weight F/R

SINGLE COLOR
YELLOW; F9885
NO SECOND TRUCK COLOR PROVIDED; NO COLOR
NO THIRD TRUCK COLOR PROVIDED; NO COLOR
SOLID PAINT
PAINT - CAB, URETHANE CLEAR COAT
SAME AS FIRST COLOR - CAB
SAME AS FIRST COLOR- HOOD
WITHOUT SLEEPER ROOF COLOR
WITHOUT CHASSIS FAIRINGS
WITHOUT ROOF FAIRING
WITHOUT SUN VISOR PAINT
WITHOUT MIRROR COVER PAINT
MACK BLACK (URETHANE)
PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR
W/O OPTIONAL FUEL TANK PAINT
W/O PAINT FOR FUEL TANK (7HB-Z1X)
WITHOUT OPTIONAL SPOKE WHEEL PAINT
WITHOUT OPTIONAL SPOKE WHEEL PAINT

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WITHOUT SPECIAL PRE-FINISHED OPTION
WITHOUT SPECIAL PRE-FINISHED OPTION
WITHOUT PAINT
WITHOUT PAINT
WITHOUT PAINT
WITHOUT PAINT
SAME AS CHASSIS RUNNING GEAR
SAME AS CHASSIS RUNNING GEAR

CALCULATED CODES - KAX

Variant

Weight F/R

AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION

BASE WARRANTY & PURCHASED COVERAGES

Variant

Weight F/R

W/O TELOGIS PACKAGE
US - WARRANTY REGISTRATION LOCATION
WITHOUT mDRIVE CLUTCH PROTECTION PLAN
W/O TURBO COMPOUND PROTECTION PLAN
WITHOUT OMNITRACS FOR MACK TRUCKS
W/OUT PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION
COVERAGE
24 MNTH - GUARDDOG CONNECT WITH MACK OTA
24 MNTH - ASIST AND MACK ONECALL
HEAVY DUTY WARRANTY CLASSIFICATION
W/O CUSTOM/BUNDLED PURCHASE COVERAGE OPTION
HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES
(161,000 KM)
MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES
(402,000KM)
US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE
60 MONTHS/100,000 MILES (161,000 KM)
W/O MACK ENGINE EXHAUST AFTERTREATMENT TREATMENT PROTECTION
PLAN
ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty
and extended coverage data
STANDARD MACK HEAVY DUTY COVERAGE 36 MONTHS / 350,000 (563,000
KM)
AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12
MONTHS UNLIMITED MILEAGE

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Technical Specification Summary

VEHICLE USE & BODY/TRAILER TYPE APPLICATION RECOMMENDATIONS ENGINE	SNOW PLOW TRUCK WITHOUT SPECIAL SALES PACKAGE MP8-455M MACK 455HP @ 1500-1900 RPM (PEAK) 2100 RPM (GOV) 1760 LB-FT, US'17
TRANSMISSION	4500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 5 W/PROGNOSTICS
CLUTCH	OMIT CLUTCH
FRONT AXLE	20000# (9072kg) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS
SPRINGS - FRONT	MACK TAPERLEAF 20000# (9072kg) GROUND LOAD RATING
BRAKES - FRONT REAR AXLES - TANDEM	MERITOR "S" CAM TYPE 16.5" x 6" Q+ 44000# (19958kg) MACK S440 (268 1004) FABRICATED STEEL HOUSING
CARRIER - REAR AXLE REAR AXLE RATIO REAR SUSPENSION - TANDEM	CRDP150/151 4.50 RATIO SS440 MACK MULTILEAF (CAMELBACK) 44000# - STANDARD SPRING THICKNESS
BOGIE SPREAD, REAR BRAKES - REAR WHEELBASE AF (OVERHANG) FUEL TANK - LH	50" AXLE SPACING (BOGIE WHEELBASE) MERITOR "S" CAM 16.5"x7" (419x178 mm) Q+ 210" 71" 111 GALLON (420 L) 22" ALUMINUM, SLEEVED D-SHAPED
FUEL TANK - RH SLEEPER BOX TIRES BRAND/TYPE - FRONT WHEELS - FRONT	OMIT RH STANDARD Day Cab (No Sleeper) 315/80R22.5 L MICHELIN X LINE ENERGY Z 22.5x9.00 ALCOA ULTRA ONE ALUM DISC 10-HP; 11.25" BC, 5.96" INSET
TIRES BRAND/TYPE - REAR WHEELS - REAR	11R22.5 H BRIDGESTONE L320 (TRACTION) 22.5x8.25 ALCOA LVL ONE ALUM DISC 10-HOLE HUB PILOTED (11 1/4" 286mm BOLT CIRCLE) WITHOUT SOFTWARE DOWNLOAD PASSWORD
SOFTWARE DOWNLOAD PASSWORD SOFTWARE DOWNLOAD NOTIFICATION	WITHOUT SOFTWARE DOWNLOAD NOTIFICATION
PAINT/VINYL STRIPING - CAB EXTERIOR	SINGLE COLOR
PAINT COLOR - FIRST COLOR AUTO ROUTING & CLIPPING, CENTER	YELLOW; F9885 AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION

1 GU713 R - 6x4 DAYCAB

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Exceptions & Clarifications

- 3.1.4.3 Mack's hood slope is 12 degrees.
- 3.1.4.9 Interior cloth color is slate grey
- 3.1.7.3 Clarification: Mack provides a corrosion resistant oil pan and hardware.
- 3.1.8.3 Exhaust piping and hardware is a combination of stainless steel, aluminum and steel.
- 3.1.9.6 All coolant piping is not stainless.
- 3.1.21.3 Alternator amps adjusted to 130 amp per Mack Engineering for optimal charging of AGM batteries. This avoids excessive water loss during charge cycle. Note: Penn DOT needed to adjust this as well.
- 5.2 WV Sate payment terms of 30 days is acceptable as applied to individual trucks delivered and invoiced.
- 6.1 Delivery time: Based on current production levels, Mack Trucks Inc. has line spaces currently available beginning January 2018. Chassis ordered this year will be built as 2019 models. Mack Trucks Inc. will provide manufacturing time schedules upon award of bid date and number of chassis intended. Every effort will be made to provide chassis ASAP. Additionally, the body company would need the number of units to determine their lead time as well.
- 8.7 Clarification: Our bid meets all warranty requirements. Mack's Chassis Extended Plan #2 covers the specifications within the bid request while including 94 individual components beyond the requirements of this bid. Our recommendation is to save \$4271 per truck and eliminate Mack's Chassis Extended Plan #2 and have all required warranty items covered less the cab structure and radiator. The cab structure would then be 2 years and 200,000 miles and the radiator warranty would be 1 year. All other warranty requests would be met as specified. An additional \$725 per truck can be saved by accepting Mack's standard 3yrs 300,000 miles on the carriers.
- 8.7.1 Clarification: Warranty start dates will be the date individual trucks go into service.