

## AGREEMENT FOR PURCHASE AND SALE OF GOODS

Bid/Proposal No. 006-13

Contract No. 13-00016

Project Name Purchase of Two (2) Automated Recycle Trucks

**THIS AGREEMENT FOR PURCHASE AND SALE OF GOODS (the "Agreement")** is made this **20th day of March, 2013**, by and between **Steele Truck Center, Inc.**, whose address is **2150 Rockfill Road, Fort Myers, FL 33916** ("Seller") and **THE CITY OF NAPLES**, a Florida municipal corporation, the address of which is **735 Eighth Street South, Naples, Florida 34102** ("Buyer"). In consideration of the mutual covenants and agreements hereinafter set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby mutually acknowledged, Buyer and Seller agree as follows:

1. **Description of Goods; Sale and Delivery.** Seller shall sell, transfer, and deliver to Buyer the goods described on the Description/Proposal attached hereto and made a part of as **EXHIBITS A; A1; A2** subject to such terms as are set forth in the Description/Proposal and in this Agreement.
2. **Acceptance; Purchase.** Buyer shall accept the goods and pay the total sum of: **\$507,740.00** for the goods in accordance with the terms of this Agreement as part of **EXHIBIT B. The City of Naples will not take Item 2, Trade In Option.**
3. **Identification of Goods.** Identification of the goods shall not be deemed to have been made until both Buyer and Seller have agreed that the goods in question are to be appropriate to the performance of this Agreement.
4. **Rate and Time of Payment.** Unless otherwise specified, Buyer shall make payment to Seller for the goods within 30 days after the goods are received by Buyer.
5. **Receipt of Goods.** The goods shall be deemed received by Buyer when delivered to Buyer at City of Naples, **Equipment Services Division, 370 Riverside Circle, Naples Fl. 34102** Naples, Florida 34102. Delivery of the goods to Buyer shall occur on a business day and shall not occur after 3:15 p.m. on the delivery day.
6. **Risk of Loss.** The risk of loss from any casualty to the goods, regardless of the cause, shall be on Seller up to the time of receipt of the goods by Buyer at the place of delivery, but only after any proper inspection has been completed without rejection of the goods. Thereafter, such risk shall be on Buyer, including any goods thereafter returned to Seller until their receipt by Seller.
7. **Warranty Against Encumbrances.** Seller warrants that the goods are now free, and at the time of delivery shall be free, from any security interest or other lien or encumbrance.
8. **Warranty of Title.** Seller warrants that at the time of signing this Agreement, Seller neither knows, nor has reason to know, of the existence of any outstanding title or claim of title hostile to the rights of Seller in the goods.

9. **Product Warranty.** Seller provides general warranties of fitness and general warranties that the goods are free from defects, for 1 year from acceptance of the goods, except as may otherwise be set forth in the Description/Proposal, or other attached warranty.

10. **Right of Inspection.** Buyer shall have the right to inspect the goods at the time and place of delivery, and within 5 business days after delivery, Buyer must give notice to Seller of any claim for damages on account of the condition, quality, or grade of the goods, and Buyer must specify in detail the basis of such claim. The failure of Buyer to comply with these conditions shall constitute irrevocable acceptance of the goods by Buyer.

11. **Procedure as to Rejected Goods.** On receipt of notification of rejection, Seller will immediately arrange to receive back the goods for shipment and return. However, within 5 days, Seller may have an agent inspect such goods for nonconformity; otherwise, such inspection will be made on return to Seller's storage facility. When such goods are confirmed or acquiesced in as nonconforming, Seller will ship conforming goods within 30 days of the notice of rejection unless Buyer earlier notifies Seller to forgo such shipment.

12. **Governing Law.** The parties acknowledge that the transaction that is the subject matter of this Agreement bears a reasonable relation to the State of Florida and agree that the law of the State of Florida will govern their rights and duties. The parties specifically intend that the provisions of Article 2 of the Florida Uniform Commercial Code will control as to all aspects of this Agreement and its interpretation, and that all the definitions contained therein will be applicable to this Agreement except where this Agreement may expressly provide otherwise.

13. **Bid Documents.** The terms and conditions of the Invitation to Bid attached hereto and made a part hereof shall be incorporated herein as a part of this Agreement.

14. **Notices and Address of Record.** All notices required or made pursuant to this Agreement to be given by Seller to Buyer shall be in writing and shall be delivered by overnight courier, by hand or by United States Postal Service Department, first class mail service, postage prepaid, return receipt requested, addressed to the following:

To Buyer:

City of Naples  
735 Eighth Street South  
Naples, Florida 34102-3796  
Attention: **A. William Moss**, City Manager

All notices required or made pursuant to this Agreement to be given by Buyer to Seller shall be made in writing and shall be delivered by overnight courier, by hand or by the United States Postal Service Department, first class mail service, postage prepaid, return receipt requested, addressed to the following:

To Seller:

Steele Truck Center, Inc.  
2150 Rockfill Road  
Fort Myers, FL 33916  
Attention: **John Schwind**, Sales Representative

Either party may change its address of record by written notice to the other party given in accordance with requirements of this Article.

15. **Counterparts.** This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original as against any party whose signature appears thereon and all of which shall together constitute one and the same instrument.

16. **Effective Date.** This Agreement shall take effect on the day of execution by the last party to execute this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day first written above.

ATTEST:

John Schwind  
(Print Name: John Schwind)

SELLER:  
Steele Truck Center, Inc.

By: Ken Sposato (Corporate Seal)  
Authorized Representative  
(Print Name: Ken Sposato)

ATTEST:

Patricia L. Rambosk  
Patricia L. Rambosk, City Clerk

BUYER

City of Naples, Florida  
By: A. William Moss  
A. William Moss, City Manager

Approved as to form and legal sufficiency:

By: Robert D. Pritt  
Robert D. Pritt, City Attorney

**PROJECT SCOPE AND SPECIFICATIONS**

**STANDARD REQUIREMENTS  
SOLID WASTE AUTOMATED REFUSE TRUCKS**

- A. Delivery of vehicles to the City of Naples does not constitute acceptance for the purpose of payment. Final acceptance and authorization of payment shall be given only after a thorough inspection indicates that the vehicles meet contract specification and conditions listed below. Should the vehicles differ in any respect from specifications, payment will be withheld until such time as the supplier takes necessary corrective action.
- B. Vehicles shall be delivered with each of the following documents completed:
1. Warranty certifications (Including rust proofing warranty).
  2. Copy of Pre-delivery service report.
  3. Temporary License Plate.
  3. DHSMV-V-40, Applications for Certificate of Title and /or vehicle registration.
  5. Manufacturer's Statement of Origin (MSO)
  4. Sales Tax Exemption form, Dr-41.A.
  5. All documents to be delivered to the Equipment Services Division, 370 Riverside Circle, Naples Fl. 34102 by the dealer along with the vehicle. These documents will include the invoice, MSO, DHSMV-V-40, and a check made payable to the Collier County Tax Collector for the purchase of a new tag and title transfer for City vehicles in the amount of \$131.10 (one hundred thirty one and 10/100).
  6. The address for the City of Naples to appear on all documents shall be: 735 Eighth Street South, Naples, Florida 34102
- C. The SELLER shall be responsible for delivering vehicles that are properly serviced, clean and in proper operating condition. Pre-delivery service, at a minimum, shall include the following:
1. Complete lubrication.
  2. Check all fluid levels to assure proper fill.
  3. Adjustment of engine to proper operating condition.
  4. Inflate tires to proper pressure.
  5. Check to assure proper operation of all accessories, gauges, lights and mechanical

## EXHIBIT A

features.

6. Front end alignment and all wheels balanced.
7. Cleaning of vehicles, if necessary, and removal of all unnecessary tags, stickers, paper, etc. DO NOT remove window price sticker.

### D. GENERAL REQUIREMENTS

1. Must be factory authorized dealer capable supplying service, factory guarantee and parts from stock.
2. The SELLER shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications.
3. Two (2) sets of operator manuals per item of equipment shall be provided. CD or DVD is permissible.
4. Two (2) sets of service/maintenance manuals for complete overhaul, with illustrations, for each type of equipment. CD or DVD is permissible.
5. Two (2) sets of parts manuals, if available, with illustrations for each type of equipment. CD or DVD is permissible.
6. Two (2) sets of service/maintenance/operator/parts manuals for all attached solid waste equipment and for each type of equipment. CD or DVD is permissible.
7. The units, at the time of delivery to the City of Naples, must meet or exceed all federal, state and local health, safety and noise standards and all other safety requirements set by all federal and state agencies.

### E. WARRANTY

1. Warranty information to be submitted with the bid for 100% coverage of parts and labor and indicate length of time or warranty with the warranty starting date being the date of acceptance of equipment by the City of Naples.
2. Items not covered by warranty shall be listed and attached to the bid.
3. Vendor must indicate on bid schedule his willingness to reimburse the City of Naples, for parts and labor for warranty work performed by Equipment Services Division. The CITY will make warranty repairs in accordance with warranty flat rate time.
4. A SELLER located outside the Naples/Fort Myers area must indicate on the Bid Schedule where, in this area, warranty work can be performed. A letter of commitment from the local service center indicated shall be attached to the bid schedule

- F. Equipment shall be the newest and latest model and design and have all standard equipment as shown on the manufacturer's current published specifications sheet. The SELLER must submit the latest printed specification sheets and literature on the equipment they propose to furnish.

**EXHIBIT A**

Prices quoted must be firm and include all costs; including delivery to the City of Naples, The Equipment will be completely serviced and ready for operation.

- G. Specifications: SELLER shall complete every space in the specification SELLERS' proposal column with a check mark to indicate if the item being bid is exactly as specified. If the unit does not meet specification, check the "EXCEPTION" column and provide a detailed description of the deviation from the specification.

## TECHNICAL SPECIFICATIONS

All specifications must meet or exceed what is listed.

### A. MODEL

Newest model cab and chassis for a Mack dual axel vocational truck with a 28 YD Automated Side Loader.

### B. TRUCK CHASSIS, 4 x 2, CAB OVER ENGINE, HEAVY DUTY LOW ENTRY TRUCK

### C. MANUFACTURER'S WARRANTY: The vendor shall furnish the City with the following:

#### MINIMUM WARRANTIES

1. Basic vehicle: 12 months, 12,000 miles, on the entire chassis, parts and labor, 100%, excluding consumable items.
2. Total of 24 months, 250,000 miles, 6250 hours on the engine, alternator, starter, and air compressor, parts and labor, 100%, NO deductibles, excluding consumable items.
3. Minimum of two years, unlimited miles on the transmission, parts and labor, 100%, NO deductibles.
4. Total of three years, 300,000 miles on the axles and differential, parts and labor, 100% NO deductibles.
5. Minimum of Three years, 300,000 miles on the chassis frame, parts and labor, 100% NO deductibles.
6. Cab Corrosion of five years, 500,000 miles coverage applies to perforation due to corrosion.

The vendor shall agree to replace and/or install without charge within the warranty, any defective parts or any parts not suitable for the service intended. Warranty period shall begin when the completed vehicle is placed into service by the City.

### D. SERVICE FACILITIES

In order to insure that the City will be able to maintain and repair equipment purchased, the vendor shall operate a service facility capable of performing most repairs associated with the equipment they represent. This facility shall be stocked with common replacement and high wear parts, as may be designated by the equipment

EXHIBIT A-1

manufacturer, and approved by the City. This service facility shall be located within 175 miles of Naples, Florida 34102.

Name of Facility Steele Truck Center, Inc

Address 2150 Rockfill Rd Fort Myers, FL 33916

Contact Name/Number Mark Bashore

D. GENERAL SERVICE REQUIREMENTS

This truck chassis will have a 28 YD Automated Side Loader mounted on it, and will be used for hauling various materials for on/off highway service.

E. TECHNICAL REQUIREMENTS

All features below shall be incorporated in the equipment and all items furnished and installed into a complete unit ready for operation.

F. TYPE

Heavy duty 4 x 2 cab over engine chassis. Only Mack trucks will be considered.

G. EXTENDED WARRANTY

The City of Naples will entertain the purchase of an extended warranty. The City of Naples reserves the right to decide if the extended warranty is in its best interest and therefore shall decide to purchase or not to purchase the proposed warranty.

Please provide a price for the Bulldog Bronze package or a package that the vendor believes would be advantageous to the City of Naples:

Bulldog Platinum Plus with \$500 deductible per attached information  
60 months or 100,000 miles \$ 1,100<sup>00</sup>  
\* up to 7500 hours  
~~72 months or 100,000 miles \$ \_\_\_\_\_~~

The City of Naples will not select the option of of the extended warranty.

H. Technical Specifications Compliance / Exceptions Check List



	Comply	Exception
<b>Mack Commercial LEU 603 6 Wheel Cab and Chassis</b>		
<b>ORDER/CUSTOMER/VEHICLE INFORMATION</b>	✓	
<b>INITIAL REGISTRATION LOCATION, UNITED STATES, FLORIDA</b>	✓	
<b>IDLE EMISSION CERTIFICATION, IDLE EMISSION CERTIFICATION - CARB 08</b>	✓	
<b>TYPE OF SERVICE, COMMERCIAL</b>	✓	
<b>VEHICLE APPLICATION CLASS, HEAVY VOCATIONAL - Unlimited operation on concrete, asphalt, or maintained gravel/packed dirt with a maximum 3% grade; limited operation on unmaintained surfaces with maximum 5% grade; limited operation on concrete, asphalt, or maintained gravel/packed dirt with maximum 10% grade. (3 AXLES) 78,000 lbs (35,281 kg) MAX GVW. (4 AXLES) 80,000 lbs (36,288 kg) MAX GVW.</b>	✓	
<b>CARRIER APPLICATION, WITH CRD150-151, Unlimited miles on 3% grade maintained gravel/packed dirt or paved, Max 15% miles on 10% grade maintained gravel/packed dirt or paved, Max 10% miles on 5% unmaintained, maintained gravel, packed dirt, or paved. 90000# (41000 kg) MAX GCW. (Carrier Code USA-V1)</b>	✓	
<b>VEHICLE TYPE, STRAIGHT TRUCK WITHOUT TRAILER</b>	✓	
<b>VEHICLE USE AND BODY/TRAILER TYPE, SELECT AN APPLICATION</b>	✓	
<b>PRICE BOOK LEVEL, 2013C PRICE BOOK LEVEL</b>	✓	
<b>PRODUCT TYPE, PRODUCT TYPE - OL64R TRUCK</b>	✓	
<b>PRODUCT CLASS, PRODUCT CLASS 29</b>	✓	
<b>BACK OFFICE PROCESS, BACK OFFICE PROCESS</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>BVS/WHEELBASE/PLATFORM</b>		
<b>CHASSIS (BASE MODEL), LEU603 6-WHEEL TRUCK WITH L &amp; R HAND STEERING</b>	✓	
<b>SPECIAL SALES PACKAGE, DUAL SIT DOWN DRIVE DROP FRAME PACKAGE W/BOSTROM SEATS</b>	✓	
<b>FRAME RAILS, 13.375" x 3.25" x .375" (340 x 83 x 10mm ) STEEL Section Modulus 23.49 cu in/RBM 2,818,800 in lbs per rail.</b>	✓	
<b>WHEELBASE, 250" (6350 mm) WB 259" CA (6579 mm)</b>	✓	

EXHIBIT A-1

<b>PLATFORM, 320" LP (8128 mm) 61" AF (1549 mm) USED WITH 250" WB</b>		
	<b>Comply</b>	<b>Exception</b>
<b>ENGINE/TRANSMISSION/CLUTCH</b>	✓	
<b>ENGINE, MACK MP7-345R 345 HP @1500-1700 RPM (PEAK) 1280 LB. FT. MAX. TORQUE @ 1100-1300 RPM</b>	✓	
<b>TRANSMISSION, 6 SPEED AUTOMATIC, ALLISON 4500-RDS-6 (4.70/0.67) RUGGED DUTY SERIES GEN 4 INCLUDES</b>	✓	
<b>DIRECT MOUNT OIL COOLER, EXTERNAL OIL COOLER, INTERNAL FILTER, AND OIL LEVEL SENSOR</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>EXHAUST/EMISSIONS</b>	✓	
<b>DPF, CLARTECH VV DPF VERTICAL LH SIDE BACK OF CAB W/SCR VERT RH SIDE BOC</b>	✓	
<b>EXHAUST AFTER-TREATMENT SYSTEM, EXHAUST AFTER-TREATMENT SYSTEM DIESEL PARTIC FILTER CERAMIC</b>	✓	
<b>ACTIVE REGEN</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>DPF REGENERATION CONTROL, AUTO IN MOTION, MAN. STATIONARY MAN. INHIBIT</b>	✓	
<b>DPF SMART SWITCH, LOCKING INHIBIT DPF REGENERATION SWITCH</b>	✓	
<b>EXHAUST, DPF, OUTBOARD, SINGLE (R/S) VERTICAL STRAIGHT EXHAUST STACK PLAIN END, SIDE OUTLET DIFFUSER</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>ENGINE EQUIPMENT</b>	✓	
<b>PRE-CLEANER (DRY TYPE CLEANER)</b>	✓	
<b>ALTERNATOR, LEECE NEVILLE 12V 160A BRUSH-TYPE</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>BATTERIES, (3) MACK 12V 650/1950 CCA THREADED STUD TYPE TERMINALS TO -34 DEGREES F (-37 DEGREES C)</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>MACK COOLANT CONDITIONER</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>ENGINE BRAKE, MACK POWERLEASH</b>	✓	
<b>ENGINE BLOCK HEATER, 120V 1500 WATT ENGINE BLOCK</b>	✓	

EXHIBIT A-1

<b>HEATER</b>		
<b>FAN DRIVE, BEHR FAN AND ELECTRONIC MODULATING FAN DRIVE</b>	✓	
<b>FLYWHEEL HOUSING, ALUMINUM</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>FUEL-WATER SEPARATOR, MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER)</b>	✓	
<b>STARTER, MITSUBISHI ELECTRIC 105P PLANETARY GEAR REDUCTION STARTER</b>	✓	
<b>ELECTRONIC STARTER INTERLOCK</b>	✓	
<b>TETHER DEVICE, PLASTIC COATED CABLE, MOUNTED FRONT OF EACH BATTERY BOX LENGTH TO ALLOW COVER TO SET ON GROUND</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>CLUTCH/TRANS EQUIPMENT/DRIVELINES</b>		
<b>SYNTHETIC LUBRICANT - TRANSMISSION, TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS</b>	✓	
<b>VOCATIONAL PACKAGE - ALLISON, ALLISON VOCATIONAL PKG. #105183 RUGGED DUTY SERIES (RDS) - (AG) - DUAL SELECTOR W/O GEAR SP LIMITS BOTH SIDES</b>	✓	
<b>W/O DRIVESHAFT GUARD</b>	✓	
<b>DRIVELINE - MAIN, SPICER 1810 HD W/COATED SPLINES</b>	✓	
<b>DRIVELINE - INTERAXLE, SPICER 1710 HD W/COATED SPLINES</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>CAB (A thru G)</b>		
<b>AIR CONDITIONING, ROOF MOUNTED A/C AND INTEGRAL CAB HEATER DEFROSTER WITH SANDEN ROTARY COMPRESSOR</b>	✓	
<b>AIR CONDITIONING COMPRESSOR, SANDEN ROTARY</b>	✓	
<b>AIR RESTRICTION MONITOR (INTAKE), GRADUATED LOCK UP (AIR CLEANER INTAKE MOUNTED</b>	✓	
<b>CAB, RH &amp; LH SIT DOWN, DRIVING POSITION</b>	✓	
<b>CAB LIFT/TILT, LOCATED IN STD LOCATION</b>	✓	
<b>CERTIFIED WEIGHT</b>	✓	
<b>ENGINE RUNNING ACTIVATED</b>	✓	
<b>"LE" LH &amp; RH ROLL-UP WINDOWS; FRT HINGE DOORS</b>	✓	
	<b>Comply</b>	<b>Exception</b>
<b>ENGINE SHUTOFF, KEY TYPE</b>	✓	
<b>GAUGES, ENGLISH DISPLAY</b>	✓	
<b>GAUGE, ELECTRONIC SPEEDOMETER/ODOMETER</b>	✓	

EXHIBIT A-1

PROXIMITY PICK-UP, AND MAGNETIC SENSOR	/	
GAUGE, TACHOMETER	/	
TRANSMISSION GAUGE AND TRANS. OIL HIGH TEMPERATURE LIGHT	/	
GEAR SHIFT, WITH NEUTRAL-TO-RANGE INHIBIT	/	
GLASS - CAB WINDOW, TINTED WINDSHIELD & DOOR GLASS	/	
GRILLE, STANDARD FINISH	/	
	Comply	Exception
CAB (H thru R)	/	
HORN - AIR, (1) TWIN TRUMPET WITH DUAL LANYARD CONTROL (MOUNTED UNDER CAB)	/	
HORN - ELECTRIC, SINGLE TONE	/	
CHASSIS KEYED AT RANDOM - 2 KEYS	/	
MIRRORS - CONVEX TYPE STAINLESS STEEL FINISH, LH & RH 7.5" DIA; MOUNTED TO TOP OF WEST COAST MIRROR BRACKETS	/	
MIRRORS - CONVEX TYPE STAINLESS STEEL FINISH, LH & RH 7.5" DIA; MOUNTED TO BOTTOM OF WEST COAST MIRROR BRACKETS	/	
MIRRORS - PROXIMITY, RECT CONVEX ABOVE RH & LH DOOR.	/	
AM/FM STEREO CD W/WEATHERBAND	/	
RADIO ANTENNA, CH STYLE COWL MOUNTED ON LH SIDE	/	
RADIO SHUTOFF, AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE	/	
REAR WINDOW (FIXED TYPE)	/	
	Comply	Exception
CAB (S thru Z)	/	
SEAT - DRIVER, (2) BOSTROM TALLADEGA 910 (MID-BACK) AIR SUSPENSION	/	
SEAT - RIDER, OMIT RIDER SEAT	/	
SEAT COVERING, ALL CLOTH, BLACK, DRIVER SEATS	/	
LAP & SHOULDER BELTS FOR (2) DRIVER SEATS, TO BE ORANGE IN COLOR	/	
DRIVER'S SEAT AND PASSENGER SIDE WILL BE EQUIPPED WITH THE BOSTROM TALLADEGA 910 (MID-BACK) AIR SUSPENSION SEATS	/	
TURN SIGNAL SWITCH, MANUAL CANCELLING TURN SIGNALS	/	
VENTILATION - CAB, FURNISH LH & RH DOOR VENTS	/	

VENTILATION – 12V cab circulation fans (2) front outboard Road Pro 12 Volt 2 speed Heavy Duty Black Metal Fan	✓	
WINDSHIELD PROTECTOR, OMIT	✓	
WINDSHIELD WIPERS, SPRAGUE-2 SPD ELECTRIC MOTOR W/INTERMITTENT FEATURE	✓	
	Comply	Exception
FRAME EQUIPMENT/FUEL TANKS	✓	
BUMPER - FRONT, PAINTED STEEL FLUSH MTD 59"/1488 mm BBC (CORP 94" x 15.5")	✓	
CROSSMEMBERS, 1/2" (12mm) BOLTED BOC AND INTERMEDIATES MOUNTED 0.125" BELOW RAIL, DROP FRAME	✓	
CROSSMEMBER (BEHIND REAR AXLE), W/O OPTIONAL CROSSMEMBERS BEHIND REAR AXLE/BOGIE	✓	
FRAME RAIL CLEARANCE, RIGHT-HAND	✓	
SKID PLATE UNDER RADIATOR	✓	
	Comply	Exception
TOWING DEVICE - FRONT, TOW PIN	✓	
TOWING DEVICE - REAR, HOOKS (FRAME MOUNTED)	✓	
FUEL TANK - LH, ALUMINUM FUEL TANK - TBD 45 Gallon Alum ✓	✓	
FUEL TANK - RH, ALUMINUM FUEL TANK - TBD 45 Gallon Alum ✓	✓	
DEF TANK MATCHED TO SIZE OF FUEL TANK RIGHT SIDE MTD	✓	
FUEL DRAW/RETURN SYSTEM, AEROQUIP FIRE RESISTANT	✓	
FOR FUEL TANK W/O SUMP	✓	
RELOCATE FUEL TANK, W/O RELOCATED FUEL TANK(S)	✓	
	Comply	Exception
FRONT AXLE/EQUIPMENT/TIRES		
FRONT AXLES, 20000# (9072kg) MACK FXL20 WIDE PIVOT CENTER	✓	
TIRES BRAND/TYPE - FRONT, MICHELIN - TUBELESS RADIAL PLY, (2) 425/65R22.5 20 L XZY3 (ALL POSITION) (CHASSIS WIDTH EXCEEDS 96")	✓	
WHEELS - FRONT, STEEL DISC (10-HOLE)	✓	
(2) 22.5x12.25 ACCURIDE 10-HOLE HUB PILOTED (11 1/4"/286mm BC)	✓	
BRAKES - FRONT, MERITOR "S" CAM TYPE 16.5" x 6" Q+	✓	
BRAKE DRUMS - FRONT, CAST OUTBOARD MOUNTED	✓	
DUST SHIELDS - FRONT BRAKE, OMIT	✓	

HUBS - FRONT, FERROUS	✓	
SHOCK ABSORBERS, FRONT	✓	
SLACK ADJUSTERS - FRONT, GUNITE 2000 - AUTOMATIC		✓
SPRINGS - FRONT, MACK TAPERLEAF 20000# (9072kg) GROUND LOAD RATING	✓	
STATIC LOAD CUSHIONS	✓	
STEERING, M100P PLUS RIGHT SIDE ASSIST CYLINDER	✓	
	Comply	Exception
REAR AXLE/EQUIPMENT/TIRES/RATIOS	✓	
REAR AXLE/SUSPENSION, 46000# (20866kg) MACK S462 CAST DUCTILE IRON HOUSING, SS462 MACK MULTILEAF (CAMELBACK) 46000#	✓	
4S/4M SYSTEM REAR WHEEL END SENSORS	✓	
TIRES BRAND/TYPE - REAR, MICHELIN - TUBELESS RADIAL PLY, (8) 12R22.5 16 H XZE (ALL POSITION)	✓	
CARRIER/RATIO - REAR AXLE, CRDP150/151, 4.19 RATIO	✓	
WHEELS - REAR, STEEL DISC (10 HOLE)	✓	
(8) 22.5x8.25 (210 mm) HAYES LEMMERZ 10-HOLE HUB PILOTED (11 1/4"/286 mm BC) (TWO HAND HOLE)	✓	
BRAKES - REAR, MERITOR "S" CAM 16.5"x7" Q+	✓	
BRAKE DIAPHRAGMS, W/O BRAKE DIAPHRAGM OPTION	✓	
BRAKE DRUMS - REAR, CAST OUTBOARD MOUNTED	✓	
DUST SHIELDS - REAR BRAKE, FURNISH	✓	
BRAKE, FURNISH HUBS - REAR, FERROUS	✓	
OIL SEALS, CHICAGO RAWHIDE (SCOTSEAL)	✓	
POWER DIVIDER LOCKOUT W/WARNING LIGHT AND BUZZER (INCLUDES IN CAB MANUAL AIR VALVE)	✓	
HIGH MOUNT REAR BRAKE CHAMBERS (REAR REAR AXLE ONLY)	✓	
SHOCK INSULATORS, HEAVY DUTY URETHANE	✓	
SLACK ADJUSTERS - REAR, GUNITE 2000 - AUTOMATIC		✓
	Comply	Exception
SPRINGS, ANTI-SWAY	✓	
SPRING BRAKE CHAMBERS - QUANTITY, (4) CHAMBERS	✓	
SPRING BRAKE CHAMBERS - VENDOR, MGM MODEL TR-T (TAMPER RESISTANT)	✓	
SPRING BRAKE CHAMBERS, TYPE 30/30 REAR	✓	
TRANSVERSE TORQUE ROD (REAR AXLE ONLY)	✓	
BRONZE TRUNNION BUSHING	✓	

EXHIBIT A-1

	Comply	Exception
<b>AIR/BRAKE</b>	✓	
<b>AIR DRYER, MERITOR/WABCO HEATED AIR DRYER, 1800 W/COALESCING OIL FILTER</b>	✓	
<b>AIR RESERVOIRS, STEEL</b>	✓	
<b>ANTI-LOCK BRAKE SYSTEM, MERITOR WABCO ABS</b>	✓	
<b>AIR CONTROL VALVES - VENDOR, MERITOR WABCO VALVES WHERE POSSIBLE</b>	✓	
<b>DRAIN VALVES, AUTO DRAIN VALVE, NON-HEATED W/LANYARDS ON ALL OTHER TANKS</b>	✓	
	Comply	Exception
<b>ELECTRICAL</b>	✓	
<b>BACK-UP ALARM, BACK-UP ALARM SA917 (AMBIENT NOISE SENSITIVE) 87-112 db</b>	✓	
<b>BATTERY BOX(ES), STEEL BASE</b>	✓	
<b>BATTERY BOX COVERS, POLISHED ALUMINUM</b>	✓	
<b>BATTERY BOX - MOUNTING, SINGLE BOX 3 BATTERY MAX. PERP TO FRAME 11" FROM NTOF</b>	✓	
<b>FLAMING RIVER BIG SWITCH WIRED ON POSITIVE SIDE</b>	✓	
<b>BATTERY SWITCH WARNING LIGHT, FURNISH ON OR NEAR BATTERY BOX (LIGHT ON IN RUN POSITION)</b>	✓	
<b>COMPUTER AND 2-WAY RADIO DEDICATED CIRCUIT</b>	✓	
<b>ELECTRIC CIRCUIT PROTECTION PACKAGE, 12 VOLT W/CIRCUIT BREAKERS (HEADLAMP CIRCUIT: SAE TYPE I; ALL OTHER CIRCUITS SAE TYPE II) NEGATIVE GROUND SYSTEM</b>	✓	
<b>WATERPROOF ELECTRICAL CONNECTIONS SPRAYED W/PROTECTIVE COATING</b>	✓	
<b>CONTROL LINK II REFUSE BODYBUILDER ELECTRICAL CONNECTION SYSTEM</b>	✓	
<b>HEADLIGHTS, (2) SINGLE ROUND HALOGEN LAMPS</b>	✓	
<b>REAR LIGHTING, BRAKE LIGHTS CIRCUIT ACTIVATED WHEN SPRING BRAKES ARE APPLIED AND KEY IN RUN POSITION-NO TAIL LIGHTS</b>	✓	
<b>SIGNAL FLASHER TYPE, TRANSISTORIZED FLASHER FOR TURN SIGNAL</b>	✓	
<b>WIRING AND SWITCHING PROVISION FOR LOCAL INSTALLATION OF ADDITIONAL EMERGENCY AND LIGHTING AS DETAILED IN THE BODY SECTION OPTIONS AND ACCESSORIES</b>	✓	
	Comply	Exception
<b>PAINT</b>		

EXHIBIT A-1

PAINT - CAB EXTERIOR, SINGLE COLOR, MACK WHITE (HIGH GLOSS)	✓	
PAINT - CAB, URETHANE CLEAR COAT	✓	
PAINT - CHASSIS RUNNING GEAR, MACK BLACK (URETHANE)	✓	
PAINT - BUMPER, SAME AS CHASSIS RUNNING GEAR	✓	
PAINT - FUEL TANK, SAME AS CHASSIS RUNNING GEAR	✓	
	Comply	Exception
PAINT - FRONT SPOKE WHEELS, WITHOUT OPTIONAL SPOKE WHEEL PAINT	✓	
WITHOUT OPTIONAL SPOKE WHEEL PAINT	✓	
FRONT WHEELS PRE-FINISHED WHITE	✓	
REAR WHEELS PRE-FINISHED WHITE	✓	
PAINT PROCESS CODES	✓	
SAME COLOR AS CHASSIS RUNNING GEAR (5ZB-A1X)	✓	
CHASSIS RUNNING GEAR - STD COLOR (MACK BLACK) (6AB-Z1X)	✓	
SAME COLOR AS CHASSIS RUNNING GEAR (7HB-A1X)	✓	
W/O CUSTOM PAINT FOR HUB&DRUM/SPOKES (5YB-Z1X)	✓	
W/O CUSTOM PAINTED FRONT/REAR RIM/WHEEL (6BB-Z1X)	✓	
	Comply	Exception
PTO/SPECIALTY/ADDITIONAL EQUIPMENT		
PTO - REAR ENGINE (REPTO), WITHOUT REAR ENGINE POWER TAKE OFF	—	
HYDRAULIC PUMP, FURNISH PUMP MTG PROVISIONS FOR LOCAL INSTALLATION	✓	
FURNISH TC541 FOR USE W/ALLISON (HD) SERIES WORLD TRANSMISSION	✓	
W/O WORK BRAKE	✓	
	Comply	Exception
V-MAC IV PROGRAMMABLE PARAMETERS	—	
CRUISE CONTROL SETTINGS W/ALLISON TRANS	—	
CRUISE CONTROL MAX SET SPEED (MPH) 65 mph	—	
CRUISE CONTROL MIN SET SPEED (MPH) 20 mph	—	
CRUISE CONTROL AUTORESUME W/CLUTCH Omit	—	
CRUISE'N BRAKE ENGAGEMENT DELAY (MPH) 3 mph	—	
ENGINE OVERSPEED COMPANY LIMIT (RPM) 2200 rpm	—	
FUELED ENGINE OVERSPEED COMPANY LIMIT (RPM) 2100 rpm	—	



EXHIBIT A-1

VEHICLE OVERSPEED COMPANY LIMIT (MPH) 70 mph	/	
FUELED VEHICLE OVERSPEED COMPANY LIMIT (MPH) 70 mph	/	
IDLE LOGGING DELAY (MIN) 2	/	
PERIODIC TRIP TYPE Monthly Trip Summary	/	
PERIODIC TRIP HOUR OF DAY 0 (disable)	/	
PERIODIC TRIP DAY OF WEEK 0 (disable)	/	
PERIODIC TRIP DAY OF MONTH 1	/	
EHT MAX ENGINE SET SPEED (RPM) 2100 rpm	/	
EHT MIN ENGINE SET SPEED (RPM) 700 rpm	/	
EHT VEHICLE SPEED RANGE LIMIT (MPH) 10 mph	/	
EHT RAMP RATE (RPM/Sec)	/	
EHT SINGLE SPEED CONTROL ACTIVATION Omit	/	
EHT SINGLE SPEED CONTROL SET SPEED (RPM) 0000 rpm	/	
EHT JUMP-TO-MIN SET SPEED Omit	/	
ENGINE PROTECTION - OIL PRESSURE SHUTDOWN Furnish	/	
ENGINE PROTECTION - COOLANT LEVEL SHUTDOWN Omit	//	
ENGINE PROTECTION - COOLANT TEMP SHUTDOWN Furnish	/	
ENGINE PROTECTION - ENGINE OIL TEMP SHUTDOWN Furnish	/	
ALLOW FAN OVERRIDE WHEN MOVING Furnish	/	
	Comply	Exception
FAN OVERRIDE TIME WHEN MOVING (MIN) 1	/	
ALLOW FAN OVERRIDE WHEN PARKED Omit	/	
FAN ACTIVATION WITH PTO Omit	/	
AIR CONDITIONING OVERRIDE TIME (SEC) 60	/	
GOVERNOR TYPE Min-Max Governor	/	
REDUCED HIGH IDLE IN UPPER GEARS RPM 0000	/	
ENGINE HIGH IDLE SPEED IF STOPPED 2100	/	
ENGINE LOW IDLE SET SPEED (RPM) 700 rpm	/	
DRIVER LOW IDLE ADJUST FEATURE ACTIVATION Omit	/	
SMART IDLE FEATURE ACTIVATION Omit	/	
SMART IDLE ELEVATED IDLE RPM TIME (MINS) 10	✓	
IDLE COOLDOWN FEATURE ACTIVATION Furnish	/	
IDLE SHUTDOWN FEATURE ACTIVATION Omit	/	
IDLE SHUTDOWN TIME (MINS) 10	/	
IDLE SHUTDOWN WARNING TIME (SECS) 30	/	
IDLE SHUTDOWN WARM-UP TEMPERATURE (DEG F) 100	/	
IDLE SHUTDOWN WARM-UP TIMER (MINS) 5	/	

EXHIBIT A-1

<b>IDLE S/D OVERRIDE W/EHT Omit</b>	/	
<b>IDLE S/D OVERRIDE W/PTO Furnish</b>	/	
<b>IDLE S/D OVERRIDE W/ENGINE LOAD Furnish</b>	/	
<b>MAINTENANCE MONITOR FEATURE ACTIVATION Furnish</b>	/	
<b>MAINTENANCE MONITOR OEM DEFAULT INTERVALS MP Vocational</b>	/	
<b>MAINTENANCE DUE WARNING PERCENT 90</b>	/	
<b>PTO 1 MAX ENGINE SET SPEED (RPM) 2100 rpm</b>	/	
<b>PTO 1 MIN ENGINE SET SPEED (RPM) 600 rpm</b>	/	
<b>PTO 1 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph</b>	/	
<b>PTO 1 RAMP RATE (RPM/Sec) 100</b>	/	
<b>PTO 1 SINGLE SPEED CONTROL ACTIVATION Omit</b>	/	
<b>PTO 1 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm</b>	/	
<b>PTO 1 SINGLE SPEED CONTROL AUTOSET Omit</b>	/	
<b>PTO 1 JUMP-TO-MIN SET SPEED Omit</b>	/	
<b>PTO 1 VEHICLE LIMITING SPEED (MPH) 60 mph</b>	/	
<b>PTO 2 MAX ENGINE SET SPEED (RPM) 2100 rpm</b>	/	
<b>PTO 2 MIN ENGINE SET SPEED (RPM) 600 rpm</b>	/	
<b>PTO 2 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph</b>	/	
<b>PTO 2 RAMP RATE (RPM/Sec) 100</b>	/	
<b>PTO 2 SINGLE SPEED CONTROL ACTIVATION Omit</b>	/	
<b>PTO 2 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm</b>	/	
<b>PTO 2 SINGLE SPEED CONTROL AUTOSET Omit</b>	/	
<b>PTO 2 JUMP-TO-MIN SET SPEED Omit</b>	/	
<b>PTO 2 VEHICLE LIMITING SPEED (MPH) 60 mph</b>	/	
<b>SPEED SENSOR TAMPER DETECTION SYSTEM ACTIVATION Furnish</b>	/	
<b>SPEED SENSOR TAMPER DETECTION TORQUE LIMIT (%) 50</b>	/	
<b>CUSTOMER VEHICLE LIMITING SPEED (MPH) 65 mph</b>	/	
<b>LGVLS FEATURE ACTIVATION Omit</b>	/	
<b>LOWER GEAR VEHICLE LIMITING SPEED (MPH) 00 mph</b>	/	
	<b>Comply</b>	<b>Exception</b>
<b>DEALER INFORMATION</b>		
<b>ENGINE WARRANTY, 2YR/250,000 MILES ENGINE WARRANTY US10</b>	/	
<b>MANUALS, PEDIGREED PROTECTION PLAN TECH. SERVICE MANUAL PROVIDED</b>	/	
<b>PILOT INSPECTION, WITHOUT PILOT INSPECTION</b>	/	

PREP FOR DELIVERY		
	Comply	Exception
Description	/	
MANUALS	/	
STANDARD SHIPPING INSTRUCTIONS	/	
PERFORMANCE/GRAPHICS/TECH DATA	/	
OVERWIDTH STATEMENT, OVERALL WIDTH EXCEEDS 96"	/	
	Comply	Exception
MANUALS or DVD:	/	
Truck Electrical X2 copies	/	
Truck Mechanical X2 copies	/	
Truck Parts X2 copies	/	
	Comply	Exception
STANDARD SHIPPING INSTRUCTIONS	/	
OVERWIDTH STATEMENT, OVERALL WIDTH EXCEEDS 96"	/	
PERFORMANCE/GRAPHICS/TECH DATA	-	
	Comply	Exception
AUTOMATED SIDE LOADER		
BODY SPECIFICATIONS		
Body to be 28 yard capacity	X	
Body Floor: MIN 10 Gauge AR200	X	
Body Side Walls: MIN 10 Gauge AR200	X	
Body Roof: MIN 12 Gauge GRD 80	X	
Cleanout Door Opening (2 doors): state size of Doors	12x15(I)	
Body Bolsters: Min 10 Gauge GRD 50 high strength Steel (formed channel)	X	
	Comply	Exception
HOPPER SPECIFICATIONS		
Floor: Min 3/16" AR400	X	
Sides: min 3/16" AR400	X	
Hopper/Body Transition Ramp: Min 20 degree slope, 1/4" AR400	X	
Longitudinal: Min 2" x 4" x 1/4" A500 GRD B Tubing	X	
Loading Edge: Min 2" x 4" x 1/4" A500 GRD B	X	
State Hopper Opening	71"	

EXHIBIT A-1

State Hopper Width	70"	
State Hopper Length	49'	
State distance from the hopper loading edge to the ground (curb side) <i>GROUND TO TOP OF DECK OPENS</i>	46"	
Hopper Wear Strips - state material, thickness and hardness	<i>AR 200 (Chromium Carbide)</i>	
Warranty on Hopper Wear Strips - state length of warranty	4yr	
Hopper and Transition panel shall be equipped with a Min of 1/4" AR200 liner in addition to the 3/16" AR200 hopper floor. State equivalents	X	
	Comply	Exception
<b>ARM SPECIFICATIONS - state construction, material, thickness and hardness</b>		
Dumping Arms, <i>RECT. WELD STRUCTURE ASTM A572 1/4"</i>		
Stationary Boom: <i>7" x 9" x 5/16" ASTM A500 GRADE B</i>		
Telescopic Boom: <i>6" x 8" x 3/8" ASTM A500 GRD B</i>		
Grabber Horizontal Tube: <i>4" x 4" x 1/4" ASTM A500 GRD B</i>		
Grabber Structure: <i>3/16" x 1/4" WELD STRUCTURE</i>		
Finger: <i>TIP PLATE UHAU ROLLERS</i>		
Arm Lift capacity shall be no less than 500lbs.	X	
	Comply	Exception
<b>TAILGATE SPECIFICATIONS state construction, material, thickness and hardness</b>		
Side and Rear Walls: Min 1/8" AR500	X	
Posts and Bolsters (header and footer): <i>10 GA G250 HIGH STR. STEEL FORMED CHANNEL</i>		
	Comply	Exception
<b>PACKER SPECIFICATIONS</b>		
Face and Top: Min 1/4" AR200	X	
Follower (Top Sheet): Min 3/16" AR200	X	
Packer Reinforcement: Welded Structure— state construction, material, thickness and hardness <i>FORMED ANGLE 3/8" x 1/4" G2050 3/16" x 3/8" G2050</i>		
	Comply	Exception
<b>HYDRAULICS</b>		
Pump Make/Model- state pump make and model <i>COMMERCIAL INTERTECH P35C</i>		
Pump Size: state pump size <i>2 1/4" x 2 1/4"</i>		
	Comply	Exception
Pump Flow: state pump flow @ 300 rpm <i>35 GPM</i>		
Main Valve Assembly: state make, model and modular relief valve setting <i>COMMERCIAL INTERTECH VA05 MRV 3500 PSI</i>		
Arm Valve Assembly: state make, model and modular relief valve setting <i>Parker P1000, MRV 2320 PSI</i>		

EXHIBIT A-1

Reservoir: state capacity in gallons	50	
Filter: state filter type	PARKER 40CLJ	
Suction Strainer: 100 mesh stainless steel with magnets	X	
	Comply	Exception
<b>Cylinders</b>		
Packing Cylinder: state cylinder bore and stroke	4" x 3" x 39 1/2"	
Tailgate Cylinder: state cylinder bore and stroke	2 1/2" x 1 1/2" x 38"	
Grabber Cylinder: state cylinder bore and stroke	2" x 1" x 6 1/4"	
Reach Cylinder: state cylinder bore and stroke	2" x 1 1/4" x 67"	
Packing Cylinders shall be equipped with nitride cylinder rod or equivalent to resist corrosion. State rod treatment used.	X	
Packing Cylinders shall be equipped with a scraper to scrape contaminants off of the cylinder rod to protect the seal pack.	X	
	Comply	Exception
<b>HAND LOADING OF THE HOPPER</b>		
To accommodate the hand loading of the hopper' the curb side height of the hopper, from the loading edge to the ground shall be no greater than 48"	X	
	Comply	Exception
<b>PRE-CRUSH HOPPER PANEL</b>		
The hopper shall be equipped with a method to pre-crush hand loaded packing materials and cardboard boxes.	X	
	Comply	Exception
<b>HARDWARE</b>		
Weather Pak Connector or Deutsch Connectors	X	
Aeroquip Hoses and Fittings	X	
	Comply	Exception
<b>PERFORMANCE AND OPERATION</b>		
Arm must be capable of A MIN 7 foot reach.	X	
Describe how the automated grabber stows for safe transport. STOWS TO BODY - <del>BEFORE</del> MUST GO OVER CENTRAL SPEED WITHOUT ARM STOWED	DIAGRAM SEE CAB	
The automated arm and boom must not interfere with the manual loading of the hopper when in "travel" mode with arm locked.	X	
The packer must be able to pack an average of 750 lbs/yd <sup>3</sup>	X	
Interior mounted Control Box shall be equipped with an electronic display which will help technicians with troubleshooting and also alert the driver of the arm being out of dimension, tailgate open, dumps per day.	X	

EXHIBIT A-1

There shall be two control boxes one on the inside and one on the outside for use after manual loading	X	
Product being bid shall be produced for no less than 5 years to ensure long term durability and a proven track record. Provide documentation	X	
Product being bid shall have a minimum of 200 units in the field to ensure long term durability and a proven track record. Provide documentation	X	
	Comply	Exception
<b>WARRANTIES</b>		
Cylinders: 5 year limited warranty from date of delivery	X	
Hydraulic Pump and Valves: 2 years from date of delivery	X	
Packer Unit: 1 year from date of delivery	X	
	Comply	Exception
<b>PAINTING</b>		
Packer and components steel shot blasted prior to priming with high solids epoxy primer. Finish Coat Akzo Coating's Sikkens high solids acrylic urethane. Solid white standard.	X	
	Comply	Exception
<b>OVERALL HEIGHT INCLUDING CHASSIS</b>		
State Top of tailgate height / Fully Open	X	
State overall dump height with body fully raised	X	
	Comply	Exception
Body to Manufactured in the USA	X	
Parts & Service facility to located in the State of Florida	X	
	Comply	Exception
<b>TRAINING</b>		
The successful bidder shall provide an on-site training program in the operation and operator maintenance of the equipment supplied. The successful bidder shall provide two days of factory training with related documentation to employees of the City of Naples.	X	
	Comply	Exception
<b>OPTIONS AND ACCESSORIES</b>		
<b>lighting</b>		
Work lights- Truck-lite LED 27 work lights, Side body lights one left; one right mid body mounted; and two back	X	

up lights, (one either side of the camera) the lights shall be wired in a manner that will allow the Lights to come on automatically in reverse. Lights shall be the same make/model as the hopper work light.	X	
Clearance, back up, and directional lights shall have Lexan lens, shock mounted in a protective housing. The whole unit shall be pop out and replaceable. All lights will be LED where possible.	X	
All lights shall be provided in accordance with FMVSS #108, plus mid body turn signals on each side of the body and a center high mounted brake light on the rear.	X	
Two Truck-lite LED 27 hopper work lights shall be provided.	X	
Emergency lighting: Rear high Center-mount Amber Whelen LED emergency light, Rear mounted Peterson smart lighting system (4 corners flashing emergency, amber lighting system.)	X	
One (1) Whelen Mini LFL Amber liberty light bar. 4 corner Linear Super-LED® modules and one center mount Linear Super-LED module. Mounted center on cab or AC Housing.	X	
Two (2) Whelen Super-LED 600 Amber Linear Surface mounted light heads with Chrome Flange. To be mounted center above the headlight bezel left and right side front.	X	
Two Truck-lite LED 27 work lights mounted under body shall be provided on either side of the arm to see the gripper in the early morning or late afternoon	X	
	<b>Comply</b>	<b>Exception</b>
<b>MANUALS or DVD:</b>		
Body Electrical X2 copies Body Mechanical X2 copies Body Parts X2 copies	X	
	<b>Comply</b>	<b>Exception</b>
<b>CAMERA SYSTEM</b>		
Camera backup Safety Vision LCD model SV-CLCD70B-625B. Color Quad camera system or equivalent.	X	
One camera mounted on the left side upper Westcoast mirror facing rearward.	X	
One camera mounted on the hopper.	X	
One camera mounted right side underbody facing grab claw at the Pick up level.	X	
One camera mounted up high and on the rear of the truck for back up.	X	

EXHIBIT A-1

	Comply	Exception
<b>MISCELLANEOUS</b>		
One (1) 20 lbs fire extinguisher externally mounted on the right side front of the body.	✓	
Tool box (aluminum) Mounted on street side, tool box shall be large enough to hold a floor type broom, a rake and shovel for on site clean up.	✓	
Rust proofing shall be provided to coat all body parts not covered by paint, inside light wells, and underneath the body where road salt will spray or collect.	✓	
Mud flaps, front tire to the rear, rear tandems one to the front and one to the rear on both sides.	✓	
Five (5) gallon water cooler with HD bracket (location to be determined after award)	✓	
	Comply	Exception
<b>Engine Fire Suppression System:</b>		
A manually operated clean agent fire suppression system shall be provided in and behind the engine compartment. The system shall have a minimum of 4 nozzles and a 10 lb supply of clean agent or other ABC suppressant.	✓	
The system shall be installed in such a way that potential fires that may result from diesel fuel leaks, hydraulic hose bursting, or refuse debris will be extinguished before significant engine or component damage is realized.	✓	
This fire suppression system is in addition to any chassis mounted fire extinguisher mandated by DOT regulations or mentioned above.	✓	
	Comply	Exception
<b>Graphics</b>	✓	
City of Naples Graphics and FDOT conspicuity packages	✓	
	Comply	Exception
<b>TIRE PRESSURE MONITORING SYSTEM</b>	✓	
The vendor shall install a Doran 360HD Tire Pressure monitoring system. Wireless sensors will be installed on all 10 truck tires. Rear wheel extensions will be used as required		
	Comply	Exception
<del>OPTION (price out separately) \$ 3,312 installed</del>	—	
<b>LoadMaxx Suspension Scale System</b>	—	
The scale display shall be microprocessor based, and be mounted in the cab of the truck clearly visible to the driver. The scale shall have a digital display that allows for weight display, calibration, diagnostics and troubleshooting. The	—	

The City of Naples will not select the option of the LoadMaxx Suspension Scale System



<p><b>scale will have the ability to provide easy weight storage and transfer of weights to remote site. The weights will be available in 20 pound increments. The weights will be available in a range from zero (0) to 999,999 pounds. The scale will display the Gross Vehicle Weight and Net Payload Weight on the first screen and the steer weight, drive weight, and tag axle weights on the second screen. The Net Payload weight can be used to audit commercial containers.</b></p>	<p>✓</p>	
	<p><b>Comply</b></p>	<p><b>Exception</b></p>
<p><b>The scale will have alarm functions that allow settings for warning weights and alarm weights. The alarms will be available for the axle groups or GVW and Net Weights.</b></p>	<p>✓</p>	
<p><b>Calibration of the scale will be a simple two step process that includes entering empty weights for the steer and drives and the heavy weights for the steer and drives. The scale will have an adjust feature allowing for fine tuning the calibration after it is completed. The scale will have user created PIN protection.</b></p>	<p>✓</p>	
<p><b>The scale includes a limited 3 year warranty.</b></p>	<p>✓</p>	



**Exceptions to specifications on Bid Number 006-13 for Automated Recycle Trucks**

**Under "Front Axle" heading**

**Slack adjusters will be Haldex in lieu of the Gunite 2000**

**Under "Rear Axle" heading**

**Slack adjusters will be Haldex in lieu of the Gunite 2000**

**McNeilus**

*Street Smart. Street Tough.*

# MANUAL/AUTOMATED SIDE LOADER

The Manual/Automated Side Loader truck has the most innovative loading mechanism of any refuse truck on the market. It boasts the flexibility to pick up manual, semi-automated, or fully automated routes. It functions as an automated trailer and can be used as a route cleanup truck for any rear, side, or automated units. With smooth operation and one-button pickup, this truck handles cans of almost any size.



# MANUAL/AUTOMATED SIDE LOADER

**McNeilus**
*Smart. Smart. Smart.™*

## BODY SPECIFICATIONS

- Floor: 10-gauge AR200
- Roof: 11-gauge AR200
- Side Walls: 11-gauge AR200

## TAILGATE

- Tailgate Side and Rear Walls: 1/8" AR450

## HOPPER

- Hopper Floor: 3/16" GRD 50
- Wear Area: 1/4" AR Hardox 400
- Hopper Assist Panel: 3/16" AR200

## PACKER

- Packing Face: 1/4" AR200
- Wear Strips: X-Wear and AR400
- Follower Panel: 3/16" AR200

## ARM

- Grabber Ground Clearance: 10"
- Arm Reach: 8'

## CHASSIS REQUIREMENTS\*

- GAWR: 18,000 lb Min front, 40,000 lb Min rear
- After Frame 60" min

\*Guidelines only. Contact McNeilus for specific chassis requirements before ordering.

## HYDRAULICS

- Pump Make/Model: Parker P350 tandem pump with HOC and Pack-on-the-go flow control system
- Control Valves: Parker VA35
- Packer Valve: VA35 x 2 work sections – pneumatic operating with pre-coalescing filter
- Arm Valve: Parker P70 x 5 work sections – electric proportional coils
- Oil Reservoir: 50 gallons
- Filter: 1 Parker 100 mesh suction filter
- Parker 16 micron medium-pressure return line
- Pack at idle capacity

## CYLINDERS

- Packer: 4" bore x 3" rod x 39-1/2" stroke
- Arm In/Out: 2" bore x 1-1/4" rod x 67" stroke
- Grabber: 2" bore x 1" rod x 6-1/4" stroke
- Tailgate: 2-1/2" bore x 1-1/2" rod x 38" stroke
- Body Lift (telescoping): 6-1/2" bore x 3-1/2" rod (3rd stage) x 170" stroke
- Hopper Assist: 3" bore x 2" rod x 14" stroke

## HARDWARE

- Weather Pak and Deutsch connectors
- Aeroquip hoses and fittings
- Hydra-Zorb™ and Stauff clamps
- Zinc-dichromate coated hydraulic lines

## PERFORMANCE

- 8 - 18 second dump cycle depending on reach requirement

## CONTAINER CAPACITY\*

- 30 - 100 gal

\*Cycle times vary depending on oil temperature, engine idle setting, equipment wear, etc.

## PAINTING

- Packer steel shot-blasted prior to priming with Akzo Coating's high-solids epoxy primer and acrylic urethane

## OTHER OPTIONS AVAILABLE

- Hopper work lights
- Strobe light
- Camera-assist lights
- Peterson smart lights
- Clear coat
- Fire extinguisher/bracket
- Auxiliary axles (call for application)
- Camera systems – single, dual, and triple
- Mud flaps – front and/or rear
- Decals (call for pricing)
- Plastic shovel
- Toolbox
- Paint colors

**Prepared For:**

City of Naples Purchasing Div.  
735 8th St South  
Naples, FL 34102  
(239) 213-7100

**Presented By:**

Steele Truck Center, Inc  
2150 Rockfill Rd  
Fort Myers, Florida 33916  
239-334-7300  
jjs@steeletruck.com  
steeletruck.com

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Feb 6, 2013

2014 LEU613

Reff#: AGJU003114A

**Description****ORDER/CUSTOMER/VEHICLE INFORMATION**

INITIAL REGISTRATION LOCATION, UNITED STATES, FLORIDA

IDLE EMISSION CERTIFICATION, IDLE EMISSION CERTIFICATION - CARB 08

TYPE OF SERVICE, MUNICIPAL

VEHICLE APPLICATION CLASS, HEAVY VOCATIONAL - Unlimited operation on concrete, asphalt, or maintained gravel/packed dirt with a maximum 3% grade; limited operation on unmaintained surfaces with maximum 5% grade; limited operation on concrete, asphalt, or maintained gravel/packed dirt with maximum 10% grade. (3 AXLES) 78,000 lbs (35,281 kg) MAX GVW. (4 AXLES) 80,000 lbs (36,288 kg) MAX GVW.

CARRIER APPLICATION, WITH CRD150-151, Unlimited miles on 3% grade maintained gravel/packed dirt or paved, Max 15% miles on 10% grade maintained gravel/packed dirt or paved, Max 10% miles on 5% unmaintained, maintained gravel, packed dirt, or paved. 90000# (41000 kg) MAX GCW. (Carrier Code USA-V1)

VEHICLE TYPE, STRAIGHT TRUCK WITHOUT TRAILER

VEHICLE USE AND BODY/TRAILER TYPE, SELECT AN APPLICATION

FILE STATUS, QUOTE

PRICE BOOK LEVEL, 2014A PRICE BOOK LEVEL

PRODUCT TYPE, PRODUCT TYPE - OL64R TRUCK

PRODUCT CLASS, PRODUCT CLASS 29

BACK OFFICE PROCESS, BACK OFFICE PROCESS

**BVS/WHEELBASE/PLATFORM**

CHASSIS (BASE MODEL), LEU603 6-WHEEL TRUCK

SPECIAL SALES PACKAGE, DUAL SIT DOWN DRIVE DROP FRAME PACKAGE W/BOSTROM SEATS

FRAME RAILS, 13.375" x 3.25" x .375" (340 x 83 x 10mm ) STEEL Section Modulus 23.49 cu in/RBM 2,818,800 in lbs per rail.

WHEELBASE, 250" (6350 mm) WB 259" CA (6579 mm)

PLATFORM, 320" LP (8128 mm) 61" AF (1549 mm) USED WITH 250" WB

**ENGINE/TRANSMISSION/CLUTCH**

ENGINE, MACK MP7-345R 345 HP @1500-1700 RPM (PEAK) 1280 LB. FT. MAX. TORQUE @ 1100-1300 RPM

TRANSMISSION, 6 SPEED AUTOMATIC, ALLISON 4500-RDS-8 (4.70/0.67) RUGGED DUTY SERIES GEN 4 INCLUDES

DIRECT MOUNT OIL COOLER, EXTERNAL OIL COOLER, INTERNAL FILTER, AND OIL LEVEL SENSOR

**EXHAUST/EMISSIONS**

DPF, CLEARTECH VV DPF VERTICAL LH SIDE BACK OF CAB W/SCR VERT RH SIDE BOC

EXHAUST AFTER-TREATMENT SYSTEM, EXHAUST AFTER-TREATMENT SYSTEM DIESEL PARTIC FILTER CERAMIC

PASSIVE REGEN

DPF SMART SWITCH, LOCKING INHIBIT DPF REGENERATION SWITCH

EXHAUST, DPF, OUTBOARD, SINGLE (R/S) VERTICAL STRAIGHT EXHAUST STACK PLAIN END, SIDE OUTLET DIFFUSER

**ENGINE EQUIPMENT**

PRE-CLEANER (DRY TYPE CLEANER)

ALTERNATOR, LEECE NEVILLE 12V 160A BRUSH-TYPE

BATTERIES, (3) MACK 12V 650/1980 CCA THREADED STUD TYPE TERMINALS

TO -34 DEGREES F (-37 DEGREES C)

MACK COOLANT CONDITIONER

ENGINE BRAKE, MACK POWERLEASH

ENGINE BLOCK HEATER, 120V 1500 WATT ENGINE BLOCK HEATER

FAN DRIVE, BEHR FAN AND ELECTRONIC MODULATING FAN DRIVE

FLYWHEEL HOUSING, ALUMINUM

**Description**

FUEL-WATER SEPARATOR, MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER)

OIL PAN, OIL PAN

STARTER, MITSUBISHI ELECTRIC 105P PLANETARY GEAR REDUCTION STARTER

ELECTRONIC STARTER INTERLOCK

TETHER DEVICE, PLASTIC COATED CABLE, MOUNTED FRONT OF EACH BATTERY BOX LENGTH TO ALLOW COVER TO SET ON GROUND

**CLUTCH/TRANS EQUIPMENT/DRIVELINES**

SYNTHETIC LUBRICANT - TRANSMISSION, TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS

VOCATIONAL PACKAGE - ALLISON, ALLISON VOCATIONAL PKG. #105183 RUGGED DUTY SERIES (RDS) - (AG) - DUAL SELECTOR W/O GEAR SP LIMITS BOTH SIDES

W/O DRIVESHAFT GUARD

DRIVELINE - MAIN, SPICER 1810 HD W/COATED SPLINES

DRIVELINE - INTERAXLE, SPICER 1710 HD W/COATED SPLINES

**CAB (A thru G)**

AIR CONDITIONING, ROOF MOUNTED A/C AND INTEGRAL CAB HEATER DEFROSTER WITH SANDEN ROTARY COMPRESSOR

AIR CONDITIONING COMPRESSOR, SANDEN ROTARY

AIR RESTRICTION MONITOR (INTAKE), GRADUATED LOCK UP (AIR CLEANER INTAKE MOUNTED)

CAB, RH & LH SIT DOWN, DRIVING POSITION

CAB LIFT/TILT, LOCATED IN STD LOCATION

CERTIFIED WEIGHT

ENGINE RUNNING ACTIVATED

"LE" LH & RH ROLL-UP WINDOWS; FRT HINGE DOORS

ENGINE SHUTOFF, KEY TYPE

GAUGES, ENGLISH DISPLAY

GAUGE, ELECTRONIC SPEEDOMETER/ODOMETER PROXIMITY PICK-UP, AND MAGNETIC SENSOR

GAUGE, TACHOMETER

TRANSMISSION GAUGE AND TRANS. OIL HIGH TEMPERATURE LIGHT

GEAR SHIFT, WITH NEUTRAL-TO-RANGE INHIBIT

GLASS - CAB WINDOW, TINTED WINDSHIELD & DOOR GLASS

GRILLE, STANDARD FINISH

**CAB (H thru R)**

HORN - AIR, (1) TWIN-UNDER CAB TRUMPET W/DUAL LANYARD CONTROL

HORN - ELECTRIC, SINGLE TONE

CHASSIS KEYED AT RANDOM - 2 KEYS

MIRRORS - CONVEX TYPE, BRIGHT FINISH, LH & RH 7.5" DIA; MOUNTED TO WEST COAST MIRROR BRACKETS

MIRRORS - PROXIMITY, RECT CONVEX ABOVE RH & LH DOOR

AM/FM STEREO CD W/WEATHERBAND

RADIO ANTENNA, CH STYLE COWL MOUNTED ON LH SIDE

RADIO SHUTOFF, AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE

REAR WINDOW (FIXED TYPE)

**CAB (S thru Z)**

SEAT - DRIVER, (2) BOSTROM TALLADEGA 910 (MID-BACK) AIR SUSPENSION

SEAT - RIDER, OMIT RIDER SEAT

SEAT COVERING, ALL CLOTH, BLACK, DRIVER SEATS

LAP & SHOULDER BELTS FOR (2) DRIVER SEATS, TO BE ORANGE IN COLOR

## Description

DRIVER'S SEAT ONLY  
 TURN SIGNAL SWITCH, MANUAL CANCELLING TURN SIGNALS  
 VENTILATION - CAB, FURNISH LH & RH DOOR VENTS  
 WINDSHIELD PROTECTOR, OMIT  
 WINDSHIELD WIPERS, SPRAGUE-2 SPD ELECTRIC MOTOR W/INTERMITTENT FEATURE  
 FRAME EQUIPMENT/FUEL TANKS  
 BUMPER - FRONT, PAINTED STEEL FLUSH MTD 59"/1488 mm BBC (CORP 94" x 15.5")  
 CROSSMEMBERS, 1/2" (12mm) BOLTED BOC AND INTERMEDIATES MOUNTED 0.125" BELOW RAIL, DROP FRAME  
 CROSSMEMBER (BEHIND REAR AXLE), W/O OPTIONAL CROSSMEMBERS BEHIND REAR AXLE/BOGIE  
 FRAME RAIL CLEARANCE, RIGHT-HAND  
 SKID PLATE UNDER RADIATOR  
 TOWING DEVICE - FRONT, TOW PIN  
 TOWING DEVICE - REAR, HOOKS (FRAME MOUNTED)  
 FUEL TANK - LH, 45 GALLON ALUMINUM FUEL TANK  
 FUEL TANK - RH, 45 GALLON ALUMINUM FUEL TANK  
 6.6 GALLON (25 L) 22" DIAMETER TANK RIGHT SIDE MTD  
 FUEL DRAW/RETURN SYSTEM, AEROQUIP FIRE RESISTANT  
 FOR FUEL TANK W/O SUMP  
 RELOCATE FUEL TANK, W/O RELOCATED FUEL TANK(S)  
 FRONT AXLE/EQUIPMENT/TIRES  
 FRONT AXLES, 20000# (9072kg) MACK FXL20 WIDE PIVOT CENTER  
 TIRES BRAND/TYPE - FRONT, MICHELIN - TUBELESS RADIAL PLY, (2) 425/65R22.5 20 L XZY3 (ALL POSITION) (CHASSIS  
 WIDTH EXCEEDS 96")  
 WHEELS - FRONT, STEEL DISC (10-HOLE)  
 (2) 22.5x12.25 ACCURIDE 10-HOLE HUB PILOTED (11 1/4"/286mm BC)  
 BRAKES - FRONT, MERITOR "S" CAM TYPE 16.5" x 6" Q+  
 BRAKE DRUMS - FRONT, CAST OUTBOARD MOUNTED  
 DUST SHIELDS - FRONT BRAKE, OMIT  
 HUBS - FRONT, FERROUS  
 SHOCK ABSORBERS, FRONT  
 SLACK ADJUSTERS - FRONT, HALDEX - AUTOMATIC  
 SPRINGS - FRONT, MACK TAPERLEAF 20000# (9072kg) GROUND LOAD RATING  
 STATIC LOAD CUSHIONS  
 STEERING, M100P PLUS RIGHT SIDE ASSIST CYLINDER  
 REAR AXLE/EQUIPMENT/TIRES/RATIOS  
 REAR AXLE/SUSPENSION, 46000# (20866kg) MACK S462 CAST DUCTILE IRON HOUSING, SS462 MACK MULTILEAF  
 (CAMELBACK) 46000#  
 4S/4M SYSTEM REAR WHEEL END SENSORS  
 TIRES BRAND/TYPE - REAR, MICHELIN - TUBELESS RADIAL PLY, (8) 12R22.5 16 H XZE (ALL POSITION)  
 CARRIER/RATIO - REAR AXLE, CRDP150/151, 4.19 RATIO  
 WHEELS - REAR, STEEL DISC (10 HOLE)  
 (8) 22.5x8.25 (210 mm) HAYES LEMMERZ 10-HOLE HUB PILOTED (11 1/4"/286 mm BC) (TWO HAND HOLE)  
 BRAKES - REAR, MERITOR "S" CAM 16.5"x7" Q+  
 BRAKE DIAPHRAGMS, W/O BRAKE DIAPHRAGM OPTION  
 BRAKE DRUMS - REAR, CAST OUTBOARD MOUNTED  
 DUST SHIELDS - REAR BRAKE, FURNISH

**Description**

HUBS - REAR, FERROUS  
 OIL SEALS, CHICAGO RAWHIDE (SCOTSEAL)  
 POWER DIVIDER LOCKOUT W/WARNING LIGHT AND BUZZER (INCLUDES IN CAB MANUAL AIR VALVE)  
 HIGH MOUNT REAR BRAKE CHAMBERS (REAR REAR AXLE ONLY)  
 SHOCK INSULATORS, HEAVY DUTY URETHANE  
 SLACK ADJUSTERS - REAR, HALDEX - AUTOMATIC  
 SPRINGS, ANTI-SWAY  
 SPRING BRAKE CHAMBERS - QUANTITY, (4) CHAMBERS  
 SPRING BRAKE CHAMBERS - VENDOR, MGM MODEL TR-T (TAMPER RESISTANT)  
 SPRING BRAKE CHAMBERS, TYPE 30/30 REAR  
 TRANSVERSE TORQUE ROD (REAR AXLE ONLY)  
 BRONZE TRUNNION BUSHING

**AIR/BRAKE**

AIR DRYER, MERITOR/WABCO HEATED AIR DRYER, 1800 W/COALESCING OIL FILTER  
 AIR RESERVOIRS, STEEL  
 ANTI-LOCK BRAKE SYSTEM, MERITOR WABCO ABS  
 AIR CONTROL VALVES - VENDOR, MERITOR WABCO VALVES WHERE POSSIBLE  
 DRAIN VALVES, AUTO DRAIN VALVE, NON-HEATED W/LANYARDS ON ALL OTHER TANKS

**ELECTRICAL**

BACK-UP ALARM, ECCO BACK-UP ALARM SA917 (AMBIENT NOISE SENSITIVE) 87-112 db  
 BATTERY BOX(ES), STEEL BASE  
 BATTERY BOX COVERS, POLISHED ALUMINUM  
 BATTERY BOX - MOUNTING, SINGLE BOX 3 BATTERY MAX. PERP TO FRAME 11" FROM NTOF  
 FLAMING RIVER BIG SWITCH WIRED ON POSITIVE SIDE  
 BATTERY SWITCH WARNING LIGHT, FURNISH ON OR NEAR BATTERY BOX (LIGHT ON IN RUN POSITION)  
 COMPUTER AND 2-WAY RADIO DEDICATED CIRCUIT  
 ELECTRIC CIRCUIT PROTECTION PACKAGE, 12 VOLT W/CIRCUIT BREAKERS (HEADLAMP CIRCUIT: SAE TYPE I; ALL  
 OTHER CIRCUITS SAE TYPE II) NEGATIVE GROUND SYSTEM  
 WATERPROOF ELECTRICAL CONNECTIONS SPRAYED W/PROTECTIVE COATING  
 CONTROL LINK II REFUSE BODYBUILDER ELECTRICAL CONNECTION SYSTEM  
 HEADLIGHTS, (2) SINGLE ROUND HALOGEN LAMPS  
 REAR LIGHTING, BRAKE LIGHTS CIRCUIT ACTIVATED WHEN SPRING BRAKES ARE APPLIED AND KEY IN RUN  
 POSITION-NO TAIL LIGHTS  
 SIGNAL FLASHER TYPE, TRANSISTORIZED FLASHER FOR TURN SIGNAL  
 PROVISION FOR LOCAL INSTALLATION OF STROBE LIGHTS

**PAINT**

PAINT - CAB EXTERIOR, SINGLE COLOR, MACK WHITE (HIGH GLOSS)  
 PAINT - CAB, URETHANE CLEAR COAT  
 PAINT - CHASSIS RUNNING GEAR, MACK BLACK (URETHANE)  
 PAINT - BUMPER, SAME AS CHASSIS RUNNING GEAR  
 PAINT - FUEL TANK, SAME AS CHASSIS RUNNING GEAR  
 PAINT - FRONT SPOKE WHEELS, WITHOUT OPTIONAL SPOKE WHEEL PAINT  
 WITHOUT OPTIONAL SPOKE WHEEL PAINT  
 FRONT WHEELS PRE-FINISHED WHITE  
 REAR WHEELS PRE-FINISHED WHITE  
 PAINT PROCESS CODES



**Description**

SAME COLOR AS CHASSIS RUNNING GEAR (5ZB-A1X)  
 CHASSIS RUNNING GEAR - STD COLOR (MACK BLACK) (6AB-Z1X)  
 SAME COLOR AS CHASSIS RUNNING GEAR (7HB-A1X)  
 W/O CUSTOM PAINT FOR HUB&DRUM/SPOKES (5YB-Z1X)  
 W/O CUSTOM PAINTED FRONT/REAR RIM/WHEEL (6BB-Z1X)

**PTO/SPECIALTY/ADDITIONAL EQUIPMENT**

PTO - REAR ENGINE (REPTO), WITHOUT REAR ENGINE POWER TAKE OFF  
 HYDRAULIC PUMP, FURNISH PUMP MTG PROVISIONS FOR LOCAL INSTALLATION  
 FURNISH TC541 FOR USE W/ALLISON (HD) SERIES WORLD TRANSMISSION  
 W/O WORK BRAKE

**V-MAC IV PROGRAMMABLE PARAMETERS**

CUSTOMER VEHICLE LIMITING SPEED (MPH) 65 mph  
 PEDAL ROAD SPEED LIMITER (MPH)  
 LGVLS FEATURE ACTIVATION Omit  
 LOWER GEAR VEHICLE LIMITING SPEED (MPH) 00 mph  
 SOFT/SMOOTH RSL FEATURE  
 PDLO ENGAGED VLS FEATURE  
 PDLO ENGAGED VEHICLE LIMITING SPEED

**CRUISE CONTROL SETTINGS W/ALLISON TRANS**

CRUISE CONTROL MAX SET SPEED (MPH) 65 mph  
 CRUISE CONTROL MIN SET SPEED (MPH) 20 mph  
 CRUISE CONTROL AUTORESUME W/CLUTCH Omit  
 CRUISE'N BRAKE ENGAGEMENT DELAY (MPH) 3 mph  
 ENGINE OVERSPEED COMPANY LIMIT (RPM) 2200 rpm  
 FUELED ENGINE OVERSPEED COMPANY LIMIT (RPM) 2100 rpm  
 VEHICLE OVERSPEED COMPANY LIMIT (MPH) 70 mph  
 FUELED VEHICLE OVERSPEED COMPANY LIMIT (MPH) 70 mph  
 IDLE LOGGING DELAY (MIN) 2

**Monthly Trip Summary**

PERIODIC TRIP HOUR OF DAY 0 (disable)  
 PERIODIC TRIP DAY OF WEEK 0 (disable)  
 PERIODIC TRIP DAY OF MONTH 1  
 EHT MAX ENGINE SET SPEED (RPM)

2100 rpm

EHT MIN ENGINE SET SPEED (RPM) 700 rpm  
 EHT VEHICLE SPEED RANGE LIMIT (MPH) 10 mph  
 EHT RAMP RATE (RPM/Sec)  
 EHT SINGLE SPEED CONTROL ACTIVATION Omit  
 EHT SINGLE SPEED CONTROL SET SPEED (RPM) 0000 rpm  
 EHT JUMP-TO-MIN SET SPEED Omit  
 EHT HOLD TO NEAREST RPM  
 EHT ACCEL-DECEL BUMP-UP RPM  
 EHT ACCEL-DECEL BUMP-DOWN RPM  
 ENGINE PROTECTION - OIL PRESSURE SHUTDOWN Furnish  
 ENGINE PROTECTION - COOLANT LEVEL SHUTDOWN Omit  
 ENGINE PROTECTION - COOLANT TEMP SHUTDOWN Furnish

## Description

ENGINE PROTECTION - ENGINE OIL TEMP SHUTDOWN Furnish  
 ENGINE PROTECTION TRANS OIL TEMP SHUTDOWN Furnish  
 ALLOW FAN OVERRIDE WHEN PARKED Omit  
 FAN ACTIVATION WITH PTO Omit  
 GOVERNOR TYPE Min-Max Governor  
 REDUCED HIGH IDLE IN UPPER GEARS RPM 0000  
 ENGINE HIGH IDLE SPEED IF STOPPED 2100  
 ENGINE LOW IDLE SET SPEED (RPM) 700 rpm  
 DRIVER LOW IDLE ADJUST FEATURE ACTIVATION Omit  
 SMART IDLE FEATURE ACTIVATION Omit  
 SMART IDLE ELEVATED IDLE RPM TIME (MINS) 10  
 IDLE S/D ABS TAMPER CHECK  
 IDLE COOLDOWN FEATURE ACTIVATION Furnish  
 IDLE SHUTDOWN FEATURE ACTIVATION Omit  
 IDLE SHUTDOWN TIME (MINS) 10  
 IDLE SHUTDOWN WARNING TIME (SECS) 30  
 IDLE SHUTDOWN WARM-UP TEMPERATURE (DEG F) 100  
 IDLE SHUTDOWN WARM-UP TIMER (MINS) 5  
 IDLE S/D OVERRIDE W/EHT Omit  
 IDLE S/D OVERRIDE W/PTO Furnish  
 IDLE S/D OVERRIDE W/ENGINE LOAD Omit  
 IDLE S/D OVERRIDE % ENGINE LOAD THRESHOLD 20  
 IDLE S/D CONTROL W/O Idle Shutdown  
 IDLE S/D OVERRIDE LOWER TEMP. THRESHOLD (DEG F) 60  
 IDLE S/D OVERRIDE UPPER TEMP. THRESHOLD (DEG F) 80  
 MAINTENANCE MONITOR FEATURE ACTIVATION Furnish  
 MAINTENANCE MONITOR OEM DEFAULT INTERVALS MP Vocational  
 MAINTENANCE DUE WARNING PERCENT 90  
 PTO 1 MAX ENGINE SET SPEED (RPM) 2100 rpm  
 PTO 1 MIN ENGINE SET SPEED (RPM) 600 rpm  
 PTO 1 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph  
 PTO 1 RAMP RATE (RPM/Sec) 100  
 PTO 1 SINGLE SPEED CONTROL ACTIVATION Omit  
 PTO 1 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm  
 PTO 1 SINGLE SPEED CONTROL AUTOSET Omit  
 PTO 1 JUMP-TO-MIN SET SPEED Omit  
 PTO 1 VEHICLE LIMITING SPEED (MPH) 60 mph  
 PTO 1 HOLD TO NEAREST RPM  
 PTO 1 ACCEL-DECEL BUMP-UP RPM  
 PTO 1 ACCEL-DECEL BUMP-DOWN RPM  
 PTO 2 MAX ENGINE SET SPEED (RPM) 2100 rpm  
 PTO 2 MIN ENGINE SET SPEED (RPM) 600 rpm  
 PTO 2 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph  
 PTO 2 RAMP RATE (RPM/Sec) 100  
 PTO 2 SINGLE SPEED CONTROL ACTIVATION Omit  
 PTO 2 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm

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**Description**

PTO 2 SINGLE SPEED CONTROL AUTOSET Omit  
PTO 2 JUMP-TO-MIN SET SPEED Omit  
PTO 2 VEHICLE LIMITING SPEED (MPH) 60 mph  
PTO 2 HOLD TO NEAREST RPM  
PTO 2 ACCEL-DECEL BUMP-UP RPM  
PTO 2 ACCEL-DECEL BUMP-DOWN RPM  
SPEED SENSOR TAMPER DETECTION SYSTEM ACTIVATION Furnish  
SPEED SENSOR TAMPER DETECTION TORQUE LIMIT (%) 50

**DEALER INFORMATION**

ENGINE WARRANTY, 2YR/250,000 MILES ENGINE WARRANTY US10  
MANUALS, PEDIGREED PROTECTION PLAN TECH. SERVICE MANUAL PROVIDED  
PILOT INSPECTION, WITHOUT PILOT INSPECTION  
PREP FOR DELIVERY  
LIGHTING PER BID SPECS  
GRAPHICS PER DIEGO  
FIRE SUPPRESSION SYSTEM  
MANUALS  
DORAN TIRE INFLATION MONITERING SYSTEM  
STANDARD SHIPPING INSTRUCTIONS  
PERFORMANCE/GRAPHICS/TECH DATA  
OVERWIDTH STATEMENT, OVERALL WIDTH EXCEEDS 96"



# HEAVY DUTY WARRANTY CERTIFICATE

Mack Trucks, Inc. warrants certain individual components of the new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods as specified, provided all Mack Trucks, Inc. maintenance and inspection requirements found in the Operator's Manuals and service manual/instructions are followed. All warranty periods are calculated from date in service. All coverage is 100% for parts and labor except as noted.

**LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE REVERSE SIDE OF THIS CERTIFICATE. THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.**

This warranty applies to Model year 2011 and newer models manufactured by Mack Trucks, Inc. with EPA'10 Engine Emissions operated in the United States and Canada. Specific coverage is based on the application and weight class as described in the following chart.

CHASSIS BUILT WITH EPA'10 EMISSION ENGINES VEHICLE APPLICATION: HEAVY DUTY		Hours	Months	Miles	Kilometers
<b>SCHEDULE 1. BASIC VEHICLE*</b>		---	12	100,000	161,000
***Roadside Assistance and Towing on warrantable failures are covered for 3 Months/5,000 Miles/8,050 Kilometers					
**Brake Drums are covered for 12 months or 25,000 miles/40,000 kilometers only					
<b>SCHEDULE 2. MACK DIESEL ENGINE</b>					
Standard Warranty:		6,250	24	250,000	402,500
**Standard Warranty Includes: Roadside Assistance and Towing on warrantable engine failures					
Major Components:	Block Stiffener (Ladder Frame) Camsshaft Forging Camsshaft Caps & Bolts Connecting Rod & Cap Forging Coolant Pump Housing Crankshaft Forging Cylinder Block Casting Cylinder Head Casting & Bolts	12,500	60	500,000	805,000
	Engine Gears (Rear Mounted) Exhaust Manifold Casting Flywheel Housing Intake Manifold Casting Main Bearing Bolts & Caps Oil Pump Drive & Driven Gears Thermostat Housing Timing Gear Cover & Mounting Plate				
Coverage also applies to consumables such as lubricant, antifreeze, filter elements, belts, hoses and similar maintenance items not reusable and replaced directly as a result of a warrantable engine, carrier or transmission failure.					
Components not manufactured by Mack Trucks, Inc., but used on MACK diesel engine assemblies are excluded from the coverage in Schedule 2. These components are covered by the component manufacturer's warranty in effect at the time of delivery. Consult your local MACK service facility for details.					
<b>SCHEDULE 3. MACK TRANSMISSIONS</b>					
T300 and TM300 Transmissions		---	36	400,000	644,000
Towing on warrantable failures for Mack T300 and TM300 Transmissions		---	24	250,000	402,500
Mack mDrive Transmissions		6,250	36	250,000	402,500
mDrive Clutch		6,250	36	250,000	402,500
Towing on warrantable failures for Mack mDrive Transmissions		---	24	250,000	402,500
<b>SCHEDULE 4. DPF SYSTEM COMPONENTS (OEM WARRANTY)</b>		6,250	24	250,000	402,500
DPF/SCR SYSTEM COMPONENTS (EMISSION WARRANTY)		3,250	60	100,000	161,000
*Roadside Assistance and Towing on warrantable DPF/SCR failures		6,250	24	250,000	402,500
<b>SCHEDULE 5. MACK CARRIER / AXLE HOUSING / FRONT AXLE</b>					
Rear Carriers and Housing		---	36	300,000	483,000
Front I-Beam, Steering Knuckle, Tie Rod		---	36	300,000	483,000
Rear Carrier Seals Gaskets		---	12	100,000	161,000
S65 Bogie and Carrier. Regardless of Carrier Model		---	12	100,000	161,000
<b>SCHEDULE 6. TRUNNION BRACKET &amp; SPINDLE, SUSPENSION TRUNNION (except bushings)</b>		---	36	300,000	483,000
<b>SCHEDULE 7. FRAMES, SIDE RAILS AND CROSSMEMBERS</b>		---	36	300,000	483,000
<b>SCHEDULE 8. CAB STRUCTURE</b>		---	24	200,000	322,000
<b>SCHEDULE 9. CAB CORROSION</b>		---	60	500,000	805,000
Coverage applies to perforation (an actual hole in the cab panel) due to corrosion.					
Coverage does not apply to corrosion caused by damage to paint finish.					
<b>SCHEDULE 10. Components not manufactured by Mack Trucks, Inc. may have warranty coverage different from the above as they are covered by the manufacturer's warranty. Consult your local MACK dealership for details.</b>					

\*\*\*Roadside Assistance and Towing coverage does not apply to vendor engines, transmissions and axles



# BULLDOG PLATINUM PLUS, ENGINE PURCHASED COVERAGE CERTIFICATE (EPA 2010) - \$500 Deductible per Visit

Mack Trucks Inc. warrants certain individual components of each new Mack engine in a new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified provided all Mack Trucks Inc. maintenance and inspection requirements are followed. See your local authorized Mack Trucks dealer for recommended maintenance and inspection procedures. All coverage periods are calculated from the date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations and exclusions as noted.

Mack engines manufactured in the United States are covered by a new engine warranty as defined in the applicable Standard Mack Engine Warranty Certificate. Mack Trucks Inc. also offers a variety of extended (purchased) coverage plans to purchasers of new USA-manufactured Mack engines installed in a new Mack truck (herein called "covered engines"). These plans are intended to provide the truck owner with additional coverage from failures that may occur after the Standard Mack Engine Warranty has expired and until the date of expiration of this Purchased Coverage. Extended (purchased) coverage plans are applicable only to vehicles that are operated exclusively in the United States and Canada. Purchased coverage consideration can only be given if the deficiency is brought to the attention of an authorized Mack Truck dealer upon discovery and the engine must be made available, in a timely fashion during the coverage period, for repair.

**LIMITATIONS AND EXCLUSIONS TO THIS COVERAGE APPEAR ON THE FOLLOWING PAGES OF THIS CERTIFICATE. THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.**

Purchased engine coverage must be purchased within nine (9) months after the warranty start date.

**BULLDOG BRONZE** provides full coverage, except for maintenance items, for the time/mileage/hours purchased.

This coverage applies to new Mack diesel truck engines meeting EPA 2010 emission requirements in new Mack trucks operated in the United States and Canada and placed in service on or after January 1, 2010. Mack Trucks Inc. reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

**REQUIRED OPTIONS**

- Engine Coolant, extended life coolant -34 F°
- Primary Fuel Filter
- Starter with gear reduction or over-crank protection

**RECOMMENDED OPTIONS**

- Engine block and/or oil pan heater
- Transmission oil cooler (oil to water)
- Transmission with torque rating to allow maximum engine HP ratings

**USE OF FLUIDS OTHER THAN API CERTIFIED DIESEL EXHAUST FLUID (DEF) WILL COMPROMISE AFTERTREATMENT SYSTEM PERFORMANCE, INCREASE EMISSIONS, AND MAY IMPACT THIS TRUCKS PRODUCT WARRANTIES.**

**Mack Engine Oil Specifications and Oil Change Intervals**

The owner is required to operate and maintain the Mack Engine as directed in the Mack service manuals. See the Maintenance and Lubrication Manual (Preventative Maintenance Program and Lubricant Specifications) supplied with the vehicle at the time of purchase for details.

**CONSUMABLES**

Consumables are covered, if loss is due to a covered failure.

**THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT  
AND MUST BE READ AND UNDERSTOOD.**

**LIMITATIONS** – Mack Trucks, Inc.'s obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. In the case of acknowledged defective assemblies, exchange with factory rebuilt units may occur. The defective parts or assemblies replaced shall become the property of Mack Trucks, Inc.. Warranty repairs performed by the dealer's shop in accordance with the terms of the warranty set forth herein are free of charge. Warranty repairs do not constitute an extension of the original warranty period for the vehicle or any part thereof. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack Truck dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

**NO PAYMENT OR OTHER COMPENSATION WILL BE MADE FOR CONSEQUENTIAL,  
INDIRECT OR INCIDENTAL EXPENSES OR DAMAGES OF ANY KIND.**

**EXCLUSIONS:**

1. **REPAIR:** Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack Truck dealer upon discovery and the truck must be made available, in a timely fashion during the warranty period, for repair. Failures resulting from the user's unreasonable delay in making the truck available, after being notified of a potential product problem, are not covered.
2. **REPEAT REPAIRS:** The term "repeat repair" only refers to the repair or replacement of the exact same part or component more than once. Repair or replacements of different components within the same system does not constitute a repeated repair.
3. **DAMAGES:** Damages due to accidents, misuse, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, and improper or insufficient maintenance services are not covered. Damages due to failure to follow Mack Trucks, Inc. service procedures are considered damages due to improper maintenance services.
4. **APPLICATION:** The responsibility of determining the correct application and/or specification for a vehicle sold to a customer belongs at the selling location. Vehicle application problems, including but not limited to, replacement of incorrect axle or transmission gear ratios, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle for a purpose of which it was not intended are not covered.
5. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been effected by exposure to the elements or chemical influence including, but not limited to road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes, and or waxes are not covered.
6. **GLASS:** Glass breakage and scratches are not covered unless positive physical proof of manufacturing responsibility is established.
7. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and all greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
8. **ALTERATIONS:** Any vehicle repaired and/ or altered in any way, so as to adversely effect, in Mack Trucks, Inc.'s sole judgment, its stability or reliability, is not covered.
9. **OPTIONAL EQUIPMENT:** Any part of the truck that fails, malfunctions or does not perform as a result of improper conversion or installation of special bodies or equipment by other manufacturers or suppliers is not covered.
10. **MAINTENANCE AND PARTS CONSUMED ("Consumables"):** Normal maintenance services including, but not limited to, replacement of oil filters, adjustments of the engine injection pump / transmission / brakes / linkages, as well as diagnosis, test time and all other adjustments, are not covered. Parts which are normally consumed or worn out during the vehicle's usual service life and customarily replaced during usual maintenance service are not covered or have limited coverage. These parts include, but are not limited to, the following:  
*NOT COVERED* - Brake linings, clutch brake, clutch linings, mud flaps and brackets.  
*COVERED FOR 30 DAYS* - Fluorescent lights or ballast, light bulbs, fuses, wiper blades and all filters (oil, fuel, air, etc.).  
*COVERED FOR 90 DAYS* - Loose fasteners, leaking fittings or hose clamps.  
*COVERED FOR 12 MONTHS, OR 100,000 MILES (161,000 KM) OR 3,250 OPERATING HOURS, WHICHEVER OCCURS FIRST* - Cab suspension on models used in heavy duty applications, batteries, frame paint, sealed light assemblies, exhaust flex pipe, hose clamps, all rubber/nylon bushings or mounts, flexible hoses, all belts, shock absorbers (leakage only), wheel seals, and all grease lubricated points (tie rods ends, king-pins, u-joints, spring pins, etc.)
11. **ALIGNMENT:** Alignment of axle(s) and balancing of tires, including changing of axle camber, caster, toe and thrust angle settings are not covered.
12. **NON-GENUINE PARTS:** Any vehicle which has been repaired by use of parts and accessories, as well as major assemblies and exchange units, which are substandard and which cause a vehicle component or system to fail are not covered.
13. **TIRES:** Tires are covered by separate warranties given by their respective manufacturers.
14. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that have been previously damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
15. **ENGINES AND AUTOMATIC TRANSMISSIONS:** The engines and Allison automatic transmissions used in Mack trucks are warranted by their respective manufacturers. Refer to the engine and transmission manufacturers' warranty statements.
16. **ODOMETER READING:** Any vehicle in which the odometer has been disconnected or the mileage reading has been altered and the actual mileage cannot be readily determined is not covered.
17. **ACCESS TO INFORMATION:** The user must allow Mack Trucks, Inc. full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
18. **PREMIUM LABOR:** Labor for overtime and/or shift differential is not covered.
19. **EXCESSIVE LABOR:** Excessive labor for a warrantable repair due to installation of equipment or body by the customer is not covered.
20. **MISC. EXPENSE:** Road service, towing, meals, lodging, telephone calls, travel time, loss of cargo, downtime, loss of revenue, rental vehicles, or driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
21. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, Inc. are not covered. Mack Trucks, Inc. factory manufacturing records will determine Mack Trucks, Inc. installations.
22. **APPLICATION CHANGE OR CHANGE OF OWNERSHIP:** If at any time during the term of the original warranty there is a change in the application of the vehicle or a change in ownership, the owner must notify Mack Trucks, Inc., Post Office Box 26115, Greensboro, NC 27402-6115 in writing and within 30 days of date of the change. Failure to provide such timely notice may result in the warranty becoming null and void. If the change in ownership is accepted by Mack Trucks, Inc. and/or the change in application does not affect coverage, Mack Trucks, Inc. will transfer any remaining applicable portion of the warranty to the new owner or, for the new application.

Mack Trucks, Inc.  
Post Office Box 26115  
Greensboro, North Carolina 27402-6115

EXHIBIT A-2

<b>Platinum Plus: Full Coverage except for maintenance items for the Time/Mileage/Hours Purchased – Deductible Base coverage that begins in the third year from Date in Service. Deductible is \$500 per visit.</b>	
<b>Covered Engine Components</b>	<b>Qualifications and Limitations</b>
Air Compressor	
Air Compressor Sprocket and mounting bolts	
Bearings	All internal lubricated bearings and bushings only.
Camshaft and Bushings	Failures resulting from the valve and injector adjustments not being maintained properly will <u>NOT</u> be covered. Normal maintenance adjustments are <u>NOT</u> covered.
Camshaft Follower Housing	
Camshaft Follower Assemblies	
Camshaft Forging	
Connecting Rod Assembly	
Connecting Rods, Caps, and Bolts	
Coolant Duct Cover	
Crankcase Ventilation Assembly	
Crankcase Separator	
Crankcase Tubing & Hoses before Separator	
Crankshaft	
Crankshaft Forging	
Cylinder Block	
Cylinder Block Casting, Main Caps & Bolts	
Cylinder Head Assembly	
Cylinder Head Casting	
Cylinder Head Capscrews	
EGR (Exhaust Gas Recirculation) Components	All components including pipes, clamps, fittings, & gaskets. Excludes: EGR cooler vibration damper is a maintenance item.
EGR Control Valve	
EGR Cooler	
EGR Mixing Chamber	
EGR Pipes - Exhaust Manifold to EGR Cooler	
EGR Pipes - EGR Cooler to Inlet Manifold	
EGR System Wiring Harness	
Engine Brake Mechanism (VEB)	Includes: VEB Control valve, Rocker arms, Rocker Lever, Roller Pin, Roller, Crosshead Pin, Crosshead, including mounting Hardware and Gaskets. Factory installed only.
Engine Control Module (ECM)	
Engine Heat Shield	
Exhaust Manifold Casting	
Exhaust Manifold Joint Seals, Gaskets, Wraps or Rings	
Fan Belt Tensioner Assembly & Bracket	Excludes fan belt.
Flywheel	
Flywheel Housing	
Flywheel Ring Gear	Excludes failures caused by starter failure.
Fuel Filter Housing	
Fuel Injector Sleeves	Seals included.
Fuel Injectors	Adjustments <u>NOT</u> covered.
Fuel Pressure Regulator Valve	
Fuel Supply Pump	
Gaskets, Seals, O Rings, Silicon Sealant	
Gears	All internally lubricated gears only.

EXHIBIT A-2

Hoses and Lines, Supplied with Engine	Fluid carrying. Engine to engine mounted.
Intake Manifold Castings	
Ladder Frame	
Oil Cooler Core	Engine oil cooler.
Oil Fill Tube and Cap	
Oil Filter Housing	
Oil Pan	
Oil Pump	
Pistons, Rings and Liners	Wear out <u>NOT</u> covered.
Power Steering Pump	
Pre-heater	Factory installed only.
PTO Drive Housing / REPTO (Rear engine mounted PTO Drive)	Factory installed only. Excludes all pumps or driven devices.
Rocker Arm Assembly and Shafts	Includes VEB Rockers and non-VEB rockers. Failures resulting from the valve and injector adjustments not being maintained properly will <u>NOT</u> be covered. Normal maintenance adjustments are <u>NOT</u> covered.
Rocker Lever Assembly	
Rocker Lever Housing	
Starter Motor	
Thermostat (Coolant)	
Thermostat Housing (Coolant)	
Thermostat Side Cover (Coolant)	
Timing Gear Cover and Plate	
Turbocharger	Includes the VGT Actuator Module.
Valve Assembly	Includes the valves, springs, keepers, guides, rotators and seats. Failures resulting from the valve adjustments not being maintained properly will <u>NOT</u> be covered. Normal maintenance adjustments are <u>NOT</u> covered.
Valve Cover	
Valve Yokes (Bridge) and Pins	Failures resulting from the valve adjustments not being maintained properly will <u>NOT</u> be covered. Normal maintenance adjustments are <u>NOT</u> covered.
Vibration Dampers and Bolts	Attached to the crankshaft or camshaft.
Water Pump	
<b>Electrical EA Harness and Sensors</b>	<b>Qualifications and Limitations</b>
Electrical EA Harness Supplied with Engine	(From ECU to sensors and injectors).
Sensor, Coolant Temperature	
Sensor, Crankshaft (Engine Timing)	
Sensor, DPF Temperature & Pressure	
Sensor, EGR Temp. and Pressure	
Sensor, Engine Oil Level and Temp.	
Sensor, Engine Oil Pressure	
Sensor, Engine Position (Camshaft)	
Sensor, Fuel Pressure and Temperature	
Sensor, Humidity	
Sensor, Intake Boost Pressure and Temperature	
Sensor, Temperature & Pressure - Inlet Manifold Air	
<b>Exhaust After Treatment System (EATS)</b>	<b>Qualifications and Limitations</b>
Diesel Particulate Filter DPF Assembly with Diesel Oxidation Catalyst (DOC)	Includes: AHI Fuel Pressure Sensor, Pre-Catalyst Temperature Sensor, Post-Catalyst Temperature Sensor, Downstream DPF Temperature Sensor, Differential Pressure Sensor, Nozzle.
Diesel Particulate Filter DPF Assembly with Thermal Regenerator (TR)	Includes: Ignition Coil, Igniter (Spark Plug), Nozzle, Engine Exhaust



**EXHIBIT A-2**

	Temperature Sensor, Filter Inlet Temperature Sensor, Filter Outlet Temperature Sensor, Flame Temperature Sensor, Differential Pressure Sensor.
Diesel Exhaust Fluid (DEF) Pump Assembly	Includes: Pump Reverting Valve, Pump Pressure Sensor.
Diesel Exhaust Fluid (DEF) Injector	
Diesel Exhaust Fluid (DEF) Heated Hoses	
Diesel Exhaust Fluid (DEF) Tank	
Diesel Exhaust Fluid (DEF) Tank Heating Control Valve	
Diesel Exhaust Fluid (DEF) Tank Heater/Sender	Includes: DEF Tank Temperature Sensor, DEF Level Sensor, DEF Tank Heater.
Selective Catalytic Reduction (SCR) Sensor, NOX (SCR Inlet and Outlet)	

**OWNER'S RESPONSIBILITIES**

The owner must adhere to the preventive maintenance and inspection recommendations as outlined for the covered vehicle and keep service records at the owner's place of business or at the servicing dealer. Only genuine Mack replacement parts, or their equivalent, must be used including preventive maintenance items, particularly filters. The operator of the covered vehicle must use reasonable care to prevent further damage in case of a failure. Coverage consideration can only be given if the deficiency is brought to the attention of an authorized Mack Trucks dealer upon discovery and the vehicle must be made available, in a timely fashion during the recovery period, for repair. Use only Mack approved lubricants. Supply repairing dealer with a copy of the maintenance log and/or furnish copies of backup documentation, if requested.

**THIS COVERAGE IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**LIMITATIONS:** Mack Trucks, Inc. obligation is limited to, at its sole option, repair or replacement of parts that are acknowledged by it to be defective. In the case of acknowledged defective assemblies, exchange with factory rebuilt units may occur. The defective parts or assemblies replaced shall become the property of Mack Trucks, Inc. Covered repairs performed by the dealer's shop in accordance with the terms of the coverage set forth herein are free of charge. Covered repairs do not constitute an extension of the original coverage period for the engine or any part thereof. Purchased coverage consideration can only be given if the deficiency is brought to the attention of an authorized Mack Trucks dealer upon discovery and the engine must be made available, in a timely fashion during the coverage period, for repair.

**NO PAYMENT OR OTHER COMPENSATION WILL BE MADE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL EXPENSES OR DAMAGES OF ANY KIND.**

**EXCLUSIONS:**

1. **REPAIR:** Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack Trucks dealer upon discovery and the truck must be made available, in a timely fashion during the warranty period, for repair. Failures resulting from the user's unreasonable delay in making the truck available, after being notified of a potential product problem, are not covered.
2. **REPEAT REPAIRS:** The term "repeat repair" only refers to the repair or replacement of the exact same part or component more than once. Repair or replacements of different components within the same system does not constitute a repeated repair.
3. **DAMAGES:** Damages due to accidents, misuse, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, and improper or insufficient maintenance services are not covered. Damages due to failure to follow Mack Trucks, Inc. recommended service procedures are considered damages due to improper maintenance services.
4. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to covered part due to failure of non-covered part are not covered. Coverage is limited to failure of covered part directly causing failure of non-covered part, where operator took reasonable precautions to mitigate damages.
5. **APPLICATION:** The selling dealer is responsible for the correct application and/or specification for a vehicle sold to a customer. Vehicle application problems, including but not limited to, replacement of incorrect axle or transmission gear ratios, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle for a purpose of which it was not intended are not covered.
6. **ELECTRICAL AND AIR SYSTEM COMPONENTS:** Any electrical or air system components, unless specifically stated, are not covered. Some components may be covered by Mack Trucks, Inc. Standard Truck Warranty Certificate.
7. **FUEL INJECTORS:** Damage due to fuel injectors due to erosion caused by poor fuel quality is not covered.
8. **ALTERATIONS:** Any vehicle or vehicle system repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks, Inc. sole judgment, its stability, durability, or reliability, is not covered.
9. **OPTIONAL EQUIPMENT:** Any part of the truck that fails, malfunctions, or does not perform as a result of improper conversion or installation of special bodies or equipment by other manufacturers or suppliers is not covered.

EXHIBIT A-2

10. **MAINTENANCE AND PARTS CONSUMED ("Consumables"):** Normal maintenance services including, but not limited to, replacement of oil filters, adjustments of the engine, injection pump, and all other adjustments, are not covered. Parts which are normally consumed or worn out during the engine's normal service life and customarily replaced during usual maintenance service including but not limited to filters are not covered after the first 30 days from the in-service date.
11. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (for example, low power and poor fuel economy) unless caused by the failure of a qualified part.
12. **OIL CONSUMPTION:** Before a claim for excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks, Inc. published standards. Under no circumstances will warranty pay for excessive oil consumption after 24 months, 250,000 miles (402,000 km), or 6,250 engine hours.
13. **WEAROUT:** Mack Trucks, Inc. does not cover normal wear of covered parts. Cylinder liner, piston and piston rings failures attributable to wear are specifically excluded from this warranty. The wear rate of parts in any engine, and especially those parts within the combustion area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
14. **NON-GENUINE PARTS:** Any vehicle which has been repaired by use of parts and accessories, as well as major assemblies and exchange units, which do not meet factory standards and which cause a vehicle component or system to fail, are not covered.
15. **ODOMETER READING:** Any vehicle in which the odometer has been disconnected or the mileage reading has been altered and/or the actual mileage cannot be readily determined is not covered.
16. **ACCESS TO INFORMATION:** The user must allow Mack Trucks, Inc. full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
17. **PREMIUM LABOR:** Labor for overtime and/or shift differential is not covered.
18. **EXCESSIVE LABOR:** Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
19. **MISC. EXPENSE:** Meals, lodging, electronic messaging equipment, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, or driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
20. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, Inc. are not covered. Mack Trucks, Inc. factory manufacturing records will be determinative as to factory installed components.



Mack Trucks, Inc.  
Post Office Box 26259  
7825 National Service Road  
Greensboro, North Carolina 27409

EXHIBIT A-2

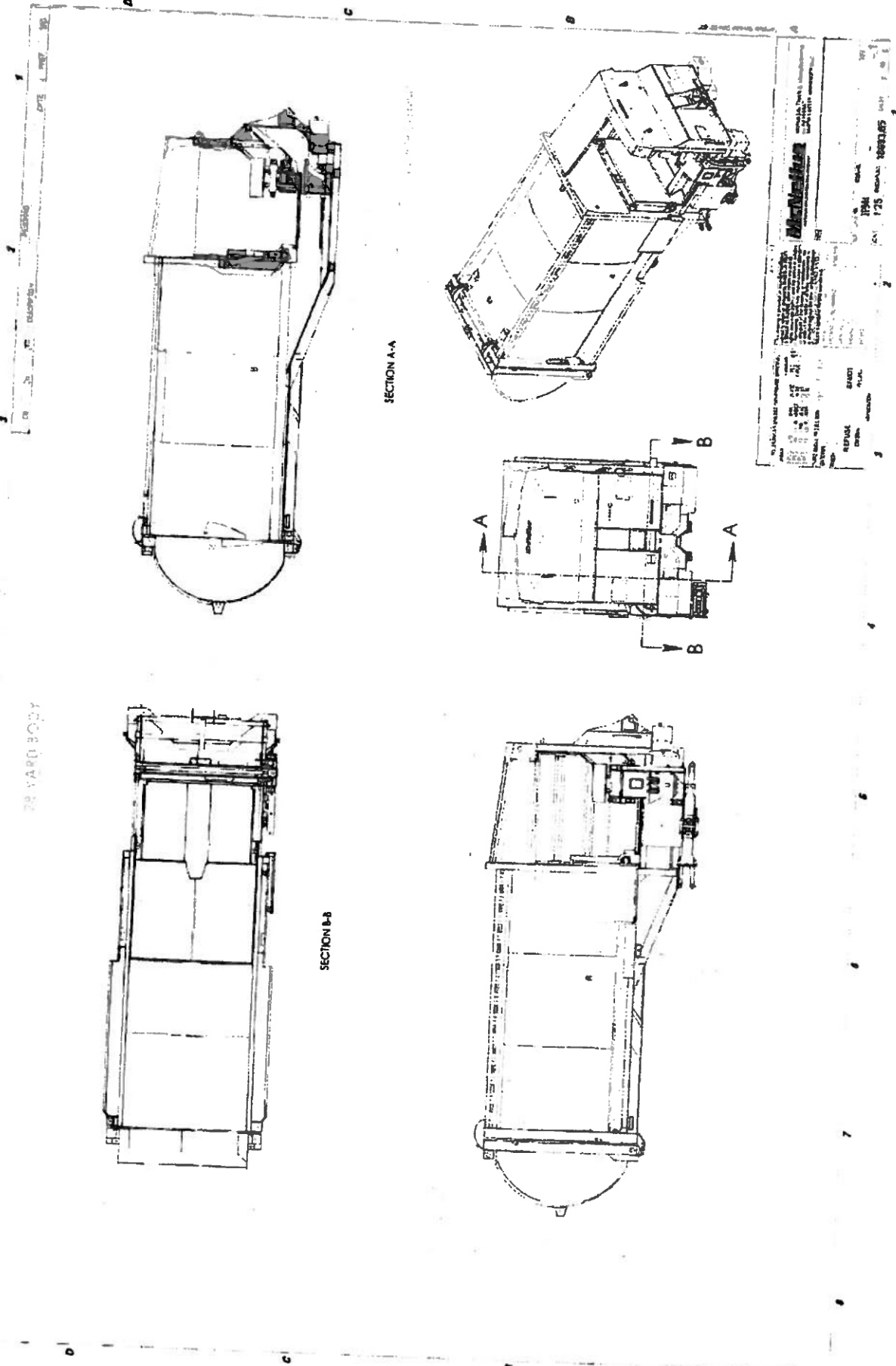


EXHIBIT B

BID SCHEDULE

1. Furnish two fully automated side loading refuse recycle trucks as specified:

Unit Cost: \$ 253,870<sup>00</sup>

Total Cost of Recycle Trucks: \$ 507,740<sup>00</sup>  
(Unit Cost X 2)

2. OPTIONAL Trade in Allowance for existing "City-owned" trucks

Credit Per Truck: \$ 38,000<sup>00</sup>

TOTAL Credit: \$ 76,000<sup>00</sup>  
(Truck Credit X 2)

3. Prompt Pay Terms: Net % 30 Days.

4. Make and Model Offered:

Mack LEU63 / McNeilus 2842 StreetForce

5. State Time of Normal Warranty:

See Attached warranty Schedule

6. State Where Warranty Work Will Be Performed:

Steele Truck Center, Inc - Fort Myers, FL

(COPIES OF WARRANTIES SHALL BE PROVIDED)

7. Time of Delivery: 150 calendar days after receipt of Purchase Order.

The City of Naples is not going to select the option of the trade-in allowance.