



### Regional Transit Authority Solicitation Request Routing Sheet

INSTRUCTION: The user department is responsible for providing all information requested below and securing the requisite signatures.

Attachments (*Indicates Required Items)	
* Scope of Work	Project Schedule/Delivery Date *
Technical Specifications	Selection Criteria (RFQ/RFP Only)
DBE/SBE Goal Calculation	

A. I have reviewed this form and the attachments provided and by signing below I give authority to the below stated Department Representative to proceed as lead in the procurement process.

Raymundo Delgadillo Director of Bus Maintenance 8359  
 Name Title Ext.

B. Name of Project, Service or Product: Mid-sized Box Truck/Vault Truck

C. Justification of Procurement:

The Federal Transit Administration's (FTA's) service-life policy for support vehicles establishes the minimum number of years (or miles) that transit support vehicles purchased with federal funds must be in service before they can be retired without financial penalty. The *clear goal of this policy is to ensure that vehicles procured using federal funds remain in service* for a substantial portion of their service life, thus ensuring that federal taxpayers obtain an adequate return on their investment. As a result, our Mid-sized Box Truck/Vault truck 2008 International Vin # (1HTJTSM58H667797) has reached the useful life and it must be replaced.

D. Certification of Authorized Grant:

Is this item/specification consistent with the Authorized Grant? Yes No  
Raymundo Delgadillo 7/27/2021  
 Director of Grants/ Federal Compliance Date

E. Safety: Include Standard Safety Provisions Only

Additional Safety Requirements Attached  
Michael J. Smith 7/27/21  
 Safety Director Date

Risk Management: Include Standard Insurance Provisions Only? Yes No  
 Include Additional Insurance Requirements Attached N/A  
[Signature] 7/27/2021  
 Risk Management Analyst Date



F. Funding Source: Federal State Local Other: \_\_\_\_\_

Funds are specifically allocated in the Department's current fiscal year budget or in a grant to cover this expenditure as follows:

Total Available Funding: \$ 1,574,889.00  
Estimated Cost: \$ 119,178  
FTA Grant No.(s) LA2021-024.1113.114211F

Line Item(s) \_\_\_\_\_  
Operations/Department Code \_\_\_\_\_  
Budget Code(s) NA \_\_\_\_\_

Budget Analyst \_\_\_\_\_ Date \_\_\_\_\_


G. DBE/SBE Goal: 0 % DBE 0 % Small Business  
Adri G. Byrd Director of Small Business Development Date 7/27/2021  
Adri G. Byrd DBE/EO Compliance Manager Date 7/27/2021

H. Authorizations: I have reviewed and approved the final solicitation document.  
Raylene Delgado Department Head Date 7-27-2021  
[Signature] Division Manager Date 7-27-2021  
[Signature] Director of Procurement Date 7/28/21

**FOR PROCUREMENT USE ONLY**  
Type of Procurement Requested: (circle one) IFB RFQ RFP SS TWO-STEP  
**Invitation for Bid (IFB)** This competitive method of awarding contracts is used for procurements of more than \$25,000 in value. The agency knows exactly what and how many of everything it needs in the contract, as well as when and how the products and services are to be delivered. The award is generally based on price.  
**Request for Quote (RFQ)** This type of solicitation is often used to determine current market pricing.  
**Request for Proposal (RFP)** This approach to contracting occurs when the agency isn't certain about what it wants and is looking to you to develop a solution and cost estimate.  
**Sole Source (SS)** this procurement can be defined as any contract entered into without a competitive process, based on a justification that only one known source exists or that only one single supplier can fulfill the requirements.  
**Two-step Procurement - request for qualifications** step-one used in the formal process of procuring a product or service, It is typically used as a screening step to establish a pool of vendors that are then qualified, and thus eligible to submit responses to a request for price proposal (RFP). In this two-step process, the response to the RFQ will describe the



company or individual's general qualifications to perform a service or supply a product, and RFP will describe specific details or price proposals.

  
\_\_\_\_\_  
Chief Financial Officer

8/3/21  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Chief Executive Officer

8/4/21  
\_\_\_\_\_  
Date



## Scope of work for Midsized Box Truck-Vault Truck

(1) 2022 14' Aluminum Van Body. \$ 119,177.25 ea.

### Vehicle Configuration

M2 106 CONVENTIONAL CHASSIS  
2022 MODEL YEAR SPECIFIED  
SET BACK AXLE - TRUCK  
STRAIGHT TRUCK PROVISION  
LH PRIMARY STEERING LOCATION

### General Service

TRUCK CONFIGURATION  
DOMICILED, USA 50 STATES (INCLUDING  
CALIFORNIA AND CARB OPT-IN STATES)  
UTILITY/REPAIR/MAINTENANCE SERVICE  
FIXED LOAD COMMODITY  
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN  
TRANSIT, IS SPENT ON PAVED ROADS  
MAXIMUM 8% EXPECTED GRADE  
SMOOTH CONCRETE OR ASPHALT PAVEMENT -  
MOST SEVERE IN-TRANSIT (BETWEEN SITES)  
ROAD SURFACE  
MEDIUM TRUCK WARRANTY  
EXPECTED FRONT AXLE(S) LOAD : 8000.0 lbs  
EXPECTED REAR DRIVE AXLE(S) LOAD :  
17500.0 lbs  
EXPECTED GROSS VEHICLE WEIGHT CAPACITY  
: 25500.0 lbs

### Truck Service

END DUMP BODY  
EXPECTED EMPTY BODY WEIGHT : 4300.0 lbs

### Engine

6 CYL SINGLE STAGE 260 HP @ 2200  
RPM, 2600 GOV RPM, 720 LB-FT @ 1200 RPM



### **Electronic Parameters**

70 MPH ROAD SPEED LIMIT  
CRUISE CONTROL SPEED LIMIT SAME AS ROAD  
SPEED LIMIT  
PTO MODE ENGINE RPM LIMIT - 1100 RPM  
PTO MODE BRAKE OVERRIDE - SERVICE  
BRAKE APPLIED  
PTO RPM WITH CRUISE SET SWITCH - 700 RPM  
PTO RPM WITH CRUISE RESUME SWITCH - 800  
RPM  
PTO MODE CANCEL VEHICLE SPEED - 5 MPH  
PTO GOVERNOR RAMP RATE - 250 RPM PER  
SECOND  
ONE REMOTE PTO SPEED  
PTO SPEED 1 SETTING - 900 RPM  
NO FLEET SPEC FOR PARAMETERIZATION  
PTO MINIMUM RPM - 600  
ENABLE AUTO ENGINE RPM ELEVATE FOR  
EXTENDED IDLE

### **Engine Equipment**

2016-2019 ONBOARD DIAGNOSTICS/2010  
EPA/CARB/FINAL  
2008 CARB EMISSION CERTIFICATION - CLEAN  
IDLE (INCLUDES 6X4 INCH LABEL ON LOWER  
FORWARD CORNER OF DRIVER DOOR)  
STANDARD OIL PAN  
ENGINE MOUNTED OIL CHECK AND FILL  
SIDE OF HOOD AIR INTAKE WITH FIREWALL  
MOUNTED AIR CLEANER  
DR 12V 180 AMP 28-SI  
ALTERNATOR WITH REMOTE BATTERY VOLT  
SENSE  
(2) DTNA GENUINE, FLOODED STARTING, MIN  
2000CCA, 370RC, THREADED STUD BATTERIES  
BATTERY BOX FRAME MOUNTED  
STANDARD BATTERY JUMPERS  
SINGLE BATTERY BOX FRAME MOUNTED LH  
SIDE UNDER CAB  
WIRE GROUND RETURN FOR BATTERY CABLES  
WITH ADDITIONAL FRAME GROUND RETURN  
NON-POLISHED BATTERY BOX COVER  
CAB AUXILIARY POWER CABLE



POSITIVE LOAD DISCONNECT WITH CAB  
MOUNTED CONTROL SWITCH MOUNTED  
OUTBOARD DRIVER SEAT  
POSITIVE AND NEGATIVE POSTS FOR  
JUMPSTART LOCATED ON FRAME NEXT TO  
STARTER  
20.0 CFM SINGLE CYLINDER AIR  
COMPRESSOR  
STANDARD MECHANICAL AIR COMPRESSOR  
GOVERNOR  
AIR COMPRESSOR DISCHARGE LINE  
ELECTRONIC ENGINE INTEGRAL SHUTDOWN  
PROTECTION SYSTEM  
COMPRESSION BRAKE WITH  
ON/OFF SWITCH  
RH OUTBOARD UNDER STEP MOUNTED  
HORIZONTAL AFTERTREATMENT SYSTEM  
ASSEMBLY WITH RH HORIZONTAL TAILPIPE  
ENGINE AFTERTREATMENT DEVICE,  
AUTOMATIC OVER THE ROAD REGENERATION  
AND DASH MOUNTED REGENERATION  
REQUEST SWITCH  
STANDARD EXHAUST SYSTEM LENGTH  
RH STANDARD HORIZONTAL TAILPIPE  
13 GALLON DIESEL EXHAUST FLUID TANK  
100 PERCENT DIESEL EXHAUST FLUID FILL  
LH MEDIUM DUTY STANDARD DIESEL EXHAUST  
FLUID TANK LOCATION  
STANDARD DIESEL EXHAUST FLUID PUMP  
MOUNTING  
STANDARD DIESEL EXHAUST FLUID TANK CAP  
ELECTRONICALLY CONTROLLED VARIABLE  
SPEED VISCOUS FAN DRIVE  
AUTOMATIC FAN CONTROL WITHOUT DASH  
SWITCH, NON ENGINE MOUNTED  
ENGINE MOUNTED FUEL/WATER  
SEPARATOR WITH WATER-IN-FUEL SENSOR  
AND ESOC  
FULL FLOW OIL FILTER  
700 SQUARE INCH ALUMINUM RADIATOR  
ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRECHARGED  
SCA HEAVY DUTY COOLANT  
GATES BLUE STRIPE COOLANT HOSES OR



EQUIVALENT  
CONSTANT TENSION HOSE CLAMPS FOR  
COOLANT HOSES  
RADIATOR DRAIN VALVE  
LOWER RADIATOR GUARD  
750 WATT/115 VOLT BLOCK  
HEATER  
BLACK PLASTIC ENGINE HEATER RECEPTACLE  
MOUNTED UNDER LH DOOR  
ALUMINUM FLYWHEEL HOUSING  
12V 35MT STARTER WITH INTEGRATED  
MAGNETIC SWITCH AND SOLENOID

**Transmission**

AUTOMATIC TRANSMISSION  
WITH PTO PROVISION

**Transmission Equipment**

RATING FOR ON/OFF  
HIGHWAY APPLICATIONS AVAILABLE WITH ALL  
PRODUCT FAMILIES  
PRIMARY MODE GEARS, LOWEST GEAR 1,  
START GEAR 1, HIGHEST GEAR 6, AVAILABLE  
FOR 3000/4000 PRODUCT FAMILIES ONLY  
SECONDARY MODE GEARS, LOWEST GEAR 1,  
START GEAR 1, HIGHEST GEAR 6, AVAILABLE  
PRIMARY SHIFT SCHEDULE RECOMMENDED BY the transmission manufacture  
THIS DEFINED BY ENGINE  
AND VOCATIONAL USAGE  
SECONDARY SHIFT  
VEHICLE INTERFACE WIRING CONNECTOR  
WITH PDM AND NO BLUNT CUTS, AT END OF  
FRAME  
ELECTRONIC TRANSMISSION CUSTOMER  
ACCESS CONNECTOR FIREWALL MOUNTED  
CUSTOMER INSTALLED PTO  
PTO MOUNTING, LH SIDE OF MAIN  
TRANSMISSION  
MAGNETIC PLUGS, ENGINE DRAIN,  
TRANSMISSION DRAIN, AXLE(S) FILL AND  
DRAIN  
PUSH BUTTON ELECTRONIC SHIFT CONTROL,  
DASH MOUNTED  
TRANSMISSION PROGNOSTICS - ENABLED 2013  
WATER TO OIL TRANSMISSION COOLER, IN



RADIATOR END TANK  
TRANSMISSION OIL CHECK AND FILL WITH  
ELECTRONIC OIL LEVEL CHECK  
SYNTHETIC TRANSMISSION FLUID (TES-295  
COMPLIANT)

**Front Axle and Equipment**

DROP SINGLE FRONT AXLE  
Q+ CAM FRONT BRAKES  
NON-ASBESTOS FRONT BRAKE LINING  
CAST IRON FRONT BRAKE DRUMS  
FRONT OIL SEALS  
VENTED FRONT HUB CAPS WITH WINDOW,  
CENTER AND SIDE PLUGS - OIL  
STANDARD SPINDLE NUTS FOR ALL AXLES  
AUTOMATIC FRONT SLACK  
ADJUSTERS  
POWER STEERING  
POWER STEERING PUMP  
2 QUART SEE THROUGH POWER STEERING  
RESERVOIR  
MINERAL SAE 80/90 FRONT AXLE LUBE

**Front Suspension**

8,000# TAPERLEAF FRONT SUSPENSION  
MAINTENANCE FREE RUBBER BUSHINGS -  
FRONT SUSPENSION  
FRONT SHOCK ABSORBERS

**Rear Axle and Equipment**

MS-17-14X 17,500# R-SERIES SINGLE REAR  
AXLE  
6.14 REAR AXLE RATIO  
IRON REAR AXLE CARRIER WITH STANDARD  
AXLE HOUSING  
EXTENDED LUBE MAIN  
DRIVELINE WITH HALF ROUND YOKES  
16.5X7 Q+ CAST SPIDER HEAVY DUTY  
CAM REAR BRAKES, DOUBLE ANCHOR,  
FABRICATED SHOES  
NON-ASBESTOS REAR BRAKE LINING  
BRAKE CAMS AND CHAMBERS ON FORWARD  
SIDE OF DRIVE AXLE(S)  
CONMET CAST IRON REAR BRAKE DRUMS  
REAR OIL SEALS





D LONGSTROKE 1-DRIVE  
AXLE SPRING PARKING CHAMBERS  
AUTOMATIC REAR SLACK  
ADJUSTERS  
MINERAL SAE 80/90 REAR AXLE LUBE

**Rear Suspension**

20,000# FLAT LEAF SPRING REAR SUSPENSION  
WITH HELPER, WITH RADIUS ROD  
SPRING SUSPENSION - NO AXLE SPACERS  
STANDARD AXLE SEATS IN AXLE CLAMP  
GROUP  
FORE/AFT CONTROL RODS

**Brake System**

AIR BRAKE PACKAGE  
ABS WITH TRACTION CONTROL,  
WITH ATC OFF-ROAD SWITCH  
REINFORCED NYLON, FABRIC BRAID AND WIRE  
BRAID CHASSIS AIR LINES  
FIBER BRAID PARKING BRAKE HOSE  
STANDARD BRAKE SYSTEM VALVES  
STANDARD AIR SYSTEM PRESSURE  
PROTECTION SYSTEM  
STD U.S. FRONT BRAKE VALVE  
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE,  
NO REAR PROPORTIONING VALVE  
SYSTEM SAVER HP WITH INTEGRAL  
AIR GOVERNOR AND HEATER  
AIR DRYER MOUNTED UNDER HOOD  
STEEL AIR BRAKE RESERVOIRS  
CLEAR FRAME RAILS FROM BACK OF CAB TO  
FRONT REAR SUSPENSION BRACKET BOTH  
RAILS OUTBOARD  
PULL CABLES ON ALL AIR RESERVOIR(S)

**Trailer Connections**

UPGRADED CHASSIS MULTIPLEXING UNIT  
UPGRADED BULKHEAD MULTIPLEXING UNIT

**Wheelbase & Frame**

4425MM (174 INCH) WHEELBASE  
11/32X3-1/2X10-15/16 INCH STEEL FRAME  
(8.73MMX277.8MM/0.344X10.94 INCH) 120KSI  
2450MM (96 INCH) REAR FRAME OVERHANG  
FRAME OVERHANG RANGE: 91 INCH TO 100  
INCH



CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :

108.66 in

CALCULATED EFFECTIVE BACK OF CAB TO

REAR SUSPENSION C/L (CA) : 105.66 in

CALC'D FRAME LENGTH - OVERALL : 309.69

CALCULATED FRAME SPACE LH SIDE : 60.72 in

CALCULATED FRAME SPACE RH SIDE :

10152.26 in

CALC'D SPACE AVAILABLE FOR DECKPLATE :

108.45 in

SQUARE END OF FRAME

FRONT CLOSING CROSSMEMBER

STANDARD WEIGHT ENGINE CROSSMEMBER

STANDARD CROSSMEMBER BACK OF

TRANSMISSION

STANDARD MIDSHIP #1 CROSSMEMBER(S)

STANDARD REARMOST CROSSMEMBER

STANDARD SUSPENSION CROSSMEMBER

### **Chassis Equipment**

THREE-PIECE 14 INCH STEEL CENTER BUMPER  
WITH FLEXIBLE PLASTIC ENDS

FRONT TOW HOOKS - FRAME MOUNTED

BUMPER MOUNTING FOR SINGLE LICENSE  
PLATE

FENDER AND FRONT OF HOOD MOUNTED

FRONT MUDFLAPS

GRADE 8 THREADED HEX HEADED FRAME

FASTENERS

CENTER PUNCH TO MARK

CENTERLINE OF REAR SUSPENSION ON

FRAME WEB

### **Fuel Tanks**

50 GALLON/189 LITER RECTANGULAR

ALUMINUM FUEL TANK - LH

RECTANGULAR FUEL TANK(S)

PLAIN ALUMINUM/PAINTED STEEL

FUEL/HYDRAULIC TANK(S) WITH PAINTED  
BANDS

FUEL TANK(S) FORWARD

PLAIN STEP FINISH

FUEL TANK CAP(S)

FUEL/WATER SEPARATOR WITH



BYPASS  
INBOARD FUEL SYSTEM  
HIGH TEMPERATURE REINFORCED NYLON  
FUEL LINE

**Tires**

11R22.5 14 PLY RADIAL FRONT  
TIRES

11R22.5 14 PLY RADIAL REAR  
TIRES

**Hubs**

PRESET PLUS PREMIUM IRON FRONT  
HUBS

Description

PRESET PLUS PREMIUM IRON REAR  
HUBS

**Wheels**

22.5X8.25 10-HUB PILOT 6.18  
INSET 2-HAND HD STEEL DISC FRONT WHEELS  
22.5X8.25 10-HUB PILOT 2-  
HAND HD STEEL DISC REAR WHEELS  
FRONT WHEEL MOUNTING NUTS  
REAR WHEEL MOUNTING NUTS

**Cab Exterior**

106 INCH BBC FLAT ROOF ALUMINUM  
CONVENTIONAL CAB  
AIR CAB MOUNTING  
NONREMOVABLE BUGSCREEN MOUNTED  
BEHIND GRILLE  
LH AND RH GRAB HANDLES  
HOOD MOUNTED CHROMED PLASTIC GRILLE  
CHROME HOOD MOUNTED AIR INTAKE GRILLE  
FIBERGLASS HOOD  
SINGLE 14 INCH ROUND POLISHED AIR HORN  
ROOF MOUNTED  
SINGLE ELECTRIC HORN  
SINGLE HORN SHIELD  
DOOR LOCKS AND IGNITION SWITCH KEYED  
THE SAME  
KEY QUANTITY OF 2  
REAR LICENSE PLATE MOUNT END OF FRAME  
INTEGRAL HEADLIGHT/MARKER ASSEMBLY



WITH CHROME BEZEL  
(5) AMBER MARKER LIGHTS  
INTEGRAL STOP/TAIL/BACKUP LIGHTS WITH 7  
EXTRA FEET OF WIRE MOUNTED AT END OF  
FRAME  
STANDARD FRONT TURN SIGNAL LAMPS  
DUAL WEST COAST MOLDED-IN COLOR  
MIRRORS  
DOOR MOUNTED MIRRORS  
102 INCH EQUIPMENT WIDTH  
LH AND RH 8 INCH MOLDED-IN COLOR CONVEX  
MIRRORS MOUNTED UNDER PRIMARY  
MIRRORS  
STANDARD SIDE/REAR REFLECTORS  
63X14 INCH TINTED REAR WINDOW  
TINTED DOOR GLASS LH AND RH WITH TINTED  
NON-OPERATING WING WINDOWS  
MANUAL DOOR WINDOW REGULATORS  
1-PIECE SOLAR GREEN GLASS WINDSHIELD  
2 GALLON WINDSHIELD WASHER RESERVOIR  
WITHOUT FLUID LEVEL INDICATOR, FRAME  
MOUNTED

**Cab Interior**

OPAL GRAY VINYL INTERIOR  
MOLDED PLASTIC DOOR PANEL  
MOLDED PLASTIC DOOR PANEL  
BLACK MATS WITH SINGLE INSULATION  
DASH MOUNTED ASH TRAYS AND LIGHTER  
FORWARD ROOF MOUNTED CONSOLE WITH  
UPPER STORAGE COMPARTMENTS WITHOUT  
NETTING  
IN DASH STORAGE BIN  
(2) CUP HOLDERS LH AND RH DASH  
GRAY/CHARCOAL FLAT DASH  
2-1/2 LB. FIRE EXTINGUISHER  
HEATER, DEFROSTER AND AIR CONDITIONER  
STANDARD HVAC DUCTING  
MAIN HVAC CONTROLS WITH RECIRCULATION  
SWITCH  
STANDARD HEATER PLUMBING  
HEAVY DUTY A/C REFRIGERANT  
COMPRESSOR  
BINARY CONTROL, R-134A



STANDARD INSULATION  
SOLID-STATE CIRCUIT PROTECTION AND  
FUSES  
12V NEGATIVE GROUND ELECTRICAL SYSTEM  
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED  
BY LH AND RH DOORS  
CAB DOOR LATCHES WITH MANUAL DOOR  
LOCKS  
TRIANGULAR REFLECTORS WITHOUT FLARES  
BASIC HIGH BACK AIR SUSPENSION DRIVER  
SEAT WITH MECHANICAL LUMBAR AND  
INTEGRATED CUSHION EXTENSION

2 MAN TOOL BOX MID BACK NON SUSPENSION  
PASSENGER SEAT  
LH AND RH INTEGRAL DOOR PANEL ARMRESTS  
BLACK CORDURA PLUS CLOTH DRIVER SEAT  
COVER  
BLACK CORDURA PLUS CLOTH PASSENGER  
SEAT COVER  
BLACK SEAT BELTS  
FIXED STEERING COLUMN  
4-SPOKE 18 INCH (450MM) STEERING WHEEL  
DRIVER AND PASSENGER INTERIOR SUN  
VISORS

**Instruments & Controls**

GRAY DRIVER INSTRUMENT PANEL  
GRAY CENTER INSTRUMENT PANEL  
ENGINE REMOTE INTERFACE WITH PARK  
BRAKE AND NEUTRAL INTERLOCKS  
BLACK GAUGE BEZELS  
LOW AIR PRESSURE INDICATOR LIGHT AND  
AUDIBLE ALARM  
2 INCH PRIMARY AND SECONDARY AIR  
PRESSURE GAUGES  
INTAKE MOUNTED AIR RESTRICTION  
INDICATOR WITH GRADUATIONS  
ELECTRONIC CRUISE CONTROL WITH  
SWITCHES IN LH SWITCH PANEL  
KEY OPERATED IGNITION SWITCH AND  
INTEGRAL START POSITION; 4 POSITION  
OFF/RUN/START/ACCESSORY WITH ECM  
STARTER LOCKOUT



ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28  
LED WARNING LAMPS AND DATA LINKED  
HEAVY DUTY ONBOARD DIAGNOSTICS  
INTERFACE CONNECTOR LOCATED BELOW LH  
DASH  
2 INCH ELECTRIC FUEL GAUGE  
ENGINE REMOTE INTERFACE WITH PRESET  
FAST IDLE  
ENGINE REMOTE INTERFACE CONNECTOR AT  
BACK OF CAB  
ELECTRICAL ENGINE COOLANT TEMPERATURE  
GAUGE  
TRANSMISSION OIL TEMPERATURE INDICATOR light  
ENGINE AND TRIP HOUR METERS INTEGRAL  
WITHIN DRIVER DISPLAY  
(1) DASH MOUNTED PTO SWITCH WITH  
INDICATOR LAMP - PARK BRAKE AND NEUTRAL  
INTERLOCK  
ELECTRIC ENGINE OIL PRESSURE GAUGE  
AM/FM/WB WORLD TUNER RADIO WITH  
BLUETOOTH AND USB AND AUXILIARY INPUTS,  
J1939  
DASH MOUNTED RADIO  
(2) RADIO SPEAKERS IN CAB  
AM/FM ANTENNA MOUNTED ON FORWARD LH  
ROOF  
POWER AND GROUND STUDS IN/UNDER DASH  
ELECTRONIC MPH SPEEDOMETER WITH  
SECONDARY KPH SCALE, WITHOUT  
ODOMETER  
STANDARD VEHICLE SPEED SENSOR  
ELECTRONIC 3000 RPM TACHOMETER  
VT-HU CONNECTIVITY PLATFORM HARDWARE  
3 YEARS CONNECT BASE PACKAGE  
(VIRTUAL TECHNICIAN, DETROIT CONNECT  
PORTAL ACCESS) FOR VT-HU CONNECTIVITY  
PLATFORM  
IGNITION SWITCH CONTROLLED ENGINE STOP  
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH  
DRIVER DISPLAY  
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR  
WITH DELAY  
MARKER LIGHT SWITCH INTEGRAL WITH



HEADLIGHT SWITCH  
ONE VALVE PARKING BRAKE SYSTEM WITH  
WARNING INDICATOR  
SELF CANCELING TURN SIGNAL SWITCH WITH  
DIMMER, WASHER/WIPER AND HAZARD IN  
HANDLE  
INTEGRAL ELECTRONIC TURN SIGNAL  
FLASHER WITH HAZARD LAMPS OVERRIDING  
STOP LAMPS

**Design**

PAINT: ONE SOLID COLOR

**Color**

CAB COLOR A: N0006EA WHITE ELITE SS

BLACK, HIGH SOLIDS POLYURETHANE CHASSIS  
PAINT

POWDER WHITE (N0006EA) FRONT  
WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

POWDER WHITE (N0006EA) REAR  
WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

BUMPER PAINT: FP24812 ARGENT SILVER  
DUPONT FLEX

STANDARD E COAT/UNDERCOATING

**Certification / Compliance**

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

**Raw Performance Data**

CALCULATED EFFECTIVE BACK OF CAB TO  
REAR SUSPENSION C/L (CA) : 105.66 in  
CALC'D SPACE AVAILABLE FOR DECKPLATE :  
108.45 in

Supply and fully install on Truck Chassis with a (108" C/A) the following  
equipment:

Item 1

One (1) Heavy Duty 14' Aluminum Dry Freight Van Body

Dimensions: Length: 13'11" interior Exterior: 16'5"

Height: 84 3/4" interior Exterior: 91-3/8"

Width: 92" interior Exterior: 96"

Front: Radius design with stainless steel corner  
posts.

Exterior: Pre-painted white .040 aluminum.

Roof: .032 aluminum, one piece, pretensioned with



roof bows on 24" centers.

Wall Posts: Heavy duty steel hat sections post on 16' centers with Two (2) extra hat posts on the front wall.

Rear Door: Whiting plastic covered, twin cable, overhead roll-up door. Door opening: 88"w x 79-1/4"H

Interior Lining: Total of Six (6) 2" X 6" Oak boardson the side wall and the front wall. Secured to the wall posts withbolts that are mounted in the oak. 1" X 3" heavy Duty Dense Rubber installed on the first slat board to prevent carts from damaging wall.

Scuff Liner:

2" X 12" Oak Wood installed 3" off the floor. Secured to the wall posts with bolts that are flush mounted in the oak. Installed on the sides and front wall.

E-Track: Two (2) Rows of E-Track installed between the slat boards, protected from the carts hitting them.

Floor: 1 3/8" laminated hard wood floor.

Understructure: 6" structural channel steel longsills, 3" crossmembers on 12" centers.

Lights: Lights and reflectors per FMVSS #108 specifications. Interior dome light with switch.

Bumper: ICC structural channel steel bumper to meet FMVSS Regulations.

Mud Flaps: One pair of anti-sail mud flaps.

Back Up Alarm: One (1) electronic back up alarm.

Undercoating: Entire Underbody.

Installation: Fully installed on your truck chassis with5/8" diameter U-Bolts and 20 yr. celcure wood frame cushions.

Special Shelving: Fabricate and install Four (4) shelf racks for storing cash boxes.

flat steel located in the middle to lock the cash boxes in. The bottom of the rack will have plywood for the machines to sit on.





Liftgate: One (1) 4000lb Railgate  
welded to the sides to keep carts from coming off.  
Electric operated pump, Painted Black.  
Item 4 Ratchet Straps: Six (6) 10,000lb capacity ratchet straps with

*Raymundo Delgadillo*  
**Director of Bus/Paratransit Maintenance**  
504-827-8359  
rdelgadillo@rtaforward.org

Independent Cost Estimate (ICE)

INDEPENDENT COST ESTIMATE SUMMARY FORM

Project Name/Number:

Date of Estimate:

Description of Goods/Services:

**Mid-sized Box Truck-Vault Truck**

- New Procurement
- Contract Modification (Change Order)
- Exercise of Option

Method of Obtaining Estimate:

Attach additional documentation such as previous pricing, documentation, emails, internet screen shots, estimates on letterhead, etc.

- Published Price List (attach source and date)
- Historical Pricing (attach copy of documentation from previous PO/Contract)
- Comparable Purchases by Other Agencies (attach email correspondence)
- Engineering or Technical Estimate (attach)
- Independent Third-Party Estimate (attach)
  - Other (specify) \_\_\_\_\_ attach documentation
  - Pre-established pricing resulting from competition (Contract Modification only)

Through the method(s) stated above, it has been determined the estimated

total cost of the goods/services is \$ 119,117.25

The preceding independent cost estimate was prepared by:

Raymundo Delgadillo

Name

 7.27.2021

Signature



*October 13, 2020*

Regional Transit Authority  
Attn: Ryan Moser

Dear: Mr. Moser

We, *Empire Truck Sales, LLC*, appreciate the opportunity to quote you on your new truck equipment needs. We are pleased to present you with the following quote and specifications.

**(1) 2022 Freightliner M2106 w/ 14' Aluminum Van Body..... \$ 119,177.25 ea.**

PRICES DO NOT INCLUDE F.E.T., OR ANY STATE AND LOCAL TAXES IF APPLICABLE.

Once again, we sincerely appreciate your interest in Freightliner trucks and Empire Truck Sales, LLC., and we look forward to assisting you with all aspects of your new truck equipment needs. If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,  
Empire Truck Sales, LLC.

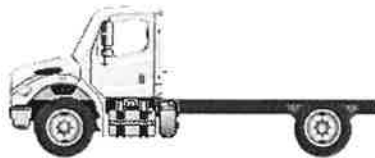
Brian Jackson  
Sales Manager

*A proposal for*  
**Regional Transit Authority**

*Prepared by*  
**EMPIRE TRUCK SALES, LLC**  
*Brian Jackson*

*Oct 13, 2020*

**Freightliner M2 106**  
**Vault Truck**



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



# SPECIFICATION PROPOSAL

	Description
<b>Price Level</b>	M2 PRL-23M (EFF:01/21/20)
<b>Data Version</b>	SPECPRO21 DATA RELEASE VER 037
<b>Vehicle Configuration</b>	M2 106 CONVENTIONAL CHASSIS 2022 MODEL YEAR SPECIFIED SET BACK AXLE - TRUCK STRAIGHT TRUCK PROVISION LH PRIMARY STEERING LOCATION
<b>General Service</b>	TRUCK CONFIGURATION DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES) UTILITY/REPAIR/MAINTENANCE SERVICE LEASE/FINANCE BUSINESS SEGMENT FIXED LOAD COMMODITY TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS MAXIMUM 8% EXPECTED GRADE SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE MEDIUM TRUCK WARRANTY EXPECTED FRONT AXLE(S) LOAD : 8000.0 lbs EXPECTED REAR DRIVE AXLE(S) LOAD : 17500.0 lbs EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 25500.0 lbs
<b>Truck Service</b>	END DUMP BODY EXPECTED EMPTY BODY WEIGHT : 4300.0 lbs



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**Description**

EXPECTED TRUCK BODY LENGTH : 0.0 ft  
HOL MAC CORPORATION  
EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE  
FRAME "XX" INCHES : 32.0 in

**Engine**

DD8 7.7L 6 CYL SINGLE STAGE 260 HP @ 2200  
RPM, 2600 GOV RPM, 720 LB-FT @ 1200 RPM

**Electronic Parameters**

70 MPH ROAD SPEED LIMIT  
CRUISE CONTROL SPEED LIMIT SAME AS ROAD  
SPEED LIMIT  
PTO MODE ENGINE RPM LIMIT - 1100 RPM  
PTO MODE BRAKE OVERRIDE - SERVICE  
BRAKE APPLIED  
PTO RPM WITH CRUISE SET SWITCH - 700 RPM  
PTO RPM WITH CRUISE RESUME SWITCH - 800  
RPM  
PTO MODE CANCEL VEHICLE SPEED - 5 MPH  
PTO GOVERNOR RAMP RATE - 250 RPM PER  
SECOND  
ONE REMOTE PTO SPEED  
PTO SPEED 1 SETTING - 900 RPM  
NO FLEET SPEC FOR PARAMETERIZATION  
PTO MINIMUM RPM - 600  
ENABLE AUTO ENGINE RPM ELEVATE FOR  
EXTENDED IDLE

**Engine Equipment**

2016-2019 ONBOARD DIAGNOSTICS/2010  
EPA/CARB/FINAL GHG17 CONFIGURATION  
2008 CARB EMISSION CERTIFICATION - CLEAN  
IDLE (INCLUDES 6X4 INCH LABEL ON LOWER  
FORWARD CORNER OF DRIVER DOOR)  
STANDARD OIL PAN  
ENGINE MOUNTED OIL CHECK AND FILL  
SIDE OF HOOD AIR INTAKE WITH FIREWALL  
MOUNTED DONALDSON AIR CLEANER  
DR 12V 180 AMP 28-SI QUADRAMOUNT PAD  
ALTERNATOR WITH REMOTE BATTERY VOLT  
SENSE  
(2) DTNA GENUINE, FLOODED STARTING, MIN  
2000CCA, 370RC, THREADED STUD BATTERIES  
BATTERY BOX FRAME MOUNTED



**Description**

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STANDARD BATTERY JUMPERS  
SINGLE BATTERY BOX FRAME MOUNTED LH  
SIDE UNDER CAB  
WIRE GROUND RETURN FOR BATTERY CABLES  
WITH ADDITIONAL FRAME GROUND RETURN  
NON-POLISHED BATTERY BOX COVER  
CAB AUXILIARY POWER CABLE  
POSITIVE LOAD DISCONNECT WITH CAB  
MOUNTED CONTROL SWITCH MOUNTED  
OUTBOARD DRIVER SEAT  
POSITIVE AND NEGATIVE POSTS FOR  
JUMPSTART LOCATED ON FRAME NEXT TO  
STARTER  
WABCO 20.0 CFM SINGLE CYLINDER AIR  
COMPRESSOR  
STANDARD MECHANICAL AIR COMPRESSOR  
GOVERNOR  
AIR COMPRESSOR DISCHARGE LINE  
ELECTRONIC ENGINE INTEGRAL SHUTDOWN  
PROTECTION SYSTEM  
DETROIT MD COMPRESSION BRAKE WITH  
ON/OFF SWITCH  
RH OUTBOARD UNDER STEP MOUNTED  
HORIZONTAL AFTERTREATMENT SYSTEM  
ASSEMBLY WITH RH HORIZONTAL TAILPIPE  
ENGINE AFTERTREATMENT DEVICE,  
AUTOMATIC OVER THE ROAD REGENERATION  
AND DASH MOUNTED REGENERATION  
REQUEST SWITCH  
STANDARD EXHAUST SYSTEM LENGTH  
RH STANDARD HORIZONTAL TAILPIPE  
13 GALLON DIESEL EXHAUST FLUID TANK  
100 PERCENT DIESEL EXHAUST FLUID FILL  
LH MEDIUM DUTY STANDARD DIESEL EXHAUST  
FLUID TANK LOCATION  
STANDARD DIESEL EXHAUST FLUID PUMP  
MOUNTING  
STANDARD DIESEL EXHAUST FLUID TANK CAP  
ELECTRONICALLY CONTROLLED VARIABLE  
SPEED VISCOUS FAN DRIVE  
AUTOMATIC FAN CONTROL WITHOUT DASH  
SWITCH, NON ENGINE MOUNTED  
DETROIT ENGINE MOUNTED FUEL/WATER  
SEPARATOR WITH WATER-IN-FUEL SENSOR  
AND ESOC



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**Description**

FULL FLOW OIL FILTER  
700 SQUARE INCH ALUMINUM RADIATOR  
ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-  
CHARGED SCA HEAVY DUTY COOLANT  
GATES BLUE STRIPE COOLANT HOSES OR  
EQUIVALENT  
CONSTANT TENSION HOSE CLAMPS FOR  
COOLANT HOSES  
RADIATOR DRAIN VALVE  
LOWER RADIATOR GUARD  
PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK  
HEATER  
BLACK PLASTIC ENGINE HEATER RECEPTACLE  
MOUNTED UNDER LH DOOR  
ALUMINUM FLYWHEEL HOUSING  
DELCO 12V 35MT STARTER WITH INTEGRATED  
MAGNETIC SWITCH AND SOLENOID

**Transmission**

ALLISON 3000 RDS AUTOMATIC TRANSMISSION  
WITH PTO PROVISION

**Transmission Equipment**

ALLISON VOCATIONAL PACKAGE 223 -  
AVAILABLE ON 3000/4000 PRODUCT FAMILIES  
WITH VOCATIONAL MODELS RDS, HS, MH AND  
TRV  
ALLISON VOCATIONAL RATING FOR ON/OFF  
HIGHWAY APPLICATIONS AVAILABLE WITH ALL  
PRODUCT FAMILIES  
PRIMARY MODE GEARS, LOWEST GEAR 1,  
START GEAR 1, HIGHEST GEAR 6, AVAILABLE  
FOR 3000/4000 PRODUCT FAMILIES ONLY  
SECONDARY MODE GEARS, LOWEST GEAR 1,  
START GEAR 1, HIGHEST GEAR 6, AVAILABLE  
FOR 3000/4000 PRODUCT FAMILIES ONLY  
PRIMARY SHIFT SCHEDULE RECOMMENDED BY  
DTNA AND ALLISON, THIS DEFINED BY ENGINE  
AND VOCATIONAL USAGE  
SECONDARY SHIFT SCHEDULE  
RECOMMENDED BY DTNA AND ALLISON, THIS  
DEFINED BY ENGINE AND VOCATIONAL USAGE  
PRIMARY SHIFT SPEED RECOMMENDED BY  
DTNA AND ALLISON, THIS DEFINED BY ENGINE  
AND VOCATIONAL USAGE





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**Description**

SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED

DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES

VEHICLE INTERFACE WIRING CONNECTOR WITH PDM AND NO BLUNT CUTS, AT END OF FRAME

ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED

CUSTOMER INSTALLED CHELSEA 280 SERIES PTO

PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION

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

PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED

TRANSMISSION PROGNOSTICS - ENABLED 2013

WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK

TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK

SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

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**Front Axle and Equipment**

DETROIT DA-F-8.0-3 8,000# FF1 71.5 KPI/3.74  
DROP SINGLE FRONT AXLE

MERITOR 15X4 Q+ CAM FRONT BRAKES

NON-ASBESTOS FRONT BRAKE LINING

CONMET CAST IRON FRONT BRAKE DRUMS

FRONT OIL SEALS

VENTED FRONT HUB CAPS WITH WINDOW,  
CENTER AND SIDE PLUGS - OIL

STANDARD SPINDLE NUTS FOR ALL AXLES



**Description**

MERITOR AUTOMATIC FRONT SLACK  
ADJUSTERS  
TRW THP-60 POWER STEERING  
POWER STEERING PUMP  
2 QUART SEE THROUGH POWER STEERING  
RESERVOIR  
MINERAL SAE 80/90 FRONT AXLE LUBE

**Front Suspension**

8,000# TAPERLEAF FRONT SUSPENSION  
MAINTENANCE FREE RUBBER BUSHINGS -  
FRONT SUSPENSION  
FRONT SHOCK ABSORBERS

**Rear Axle and Equipment**

MS-17-14X 17,500# R-SERIES SINGLE REAR  
AXLE  
6.14 REAR AXLE RATIO  
IRON REAR AXLE CARRIER WITH STANDARD  
AXLE HOUSING  
MXL 17T MERITOR EXTENDED LUBE MAIN  
DRIVELINE WITH HALF ROUND YOKES  
MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY  
CAM REAR BRAKES, DOUBLE ANCHOR,  
FABRICATED SHOES  
NON-ASBESTOS REAR BRAKE LINING  
BRAKE CAMS AND CHAMBERS ON FORWARD  
SIDE OF DRIVE AXLE(S)  
CONMET CAST IRON REAR BRAKE DRUMS  
REAR OIL SEALS  
WABCO TRISTOP D LONGSTROKE 1-DRIVE  
AXLE SPRING PARKING CHAMBERS  
MERITOR AUTOMATIC REAR SLACK  
ADJUSTERS  
MINERAL SAE 80/90 REAR AXLE LUBE

**Rear Suspension**

20,000# FLAT LEAF SPRING REAR SUSPENSION  
WITH HELPER, WITH RADIUS ROD  
SPRING SUSPENSION - NO AXLE SPACERS  
STANDARD AXLE SEATS IN AXLE CLAMP  
GROUP  
FORE/AFT CONTROL RODS

**Brake System**



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**Description**

AIR BRAKE PACKAGE  
WABCO 4S/4M ABS WITH TRACTION CONTROL,  
WIH ATC OFF-ROAD SWITCH  
REINFORCED NYLON, FABRIC BRAID AND WIRE  
BRAID CHASSIS AIR LINES  
FIBER BRAID PARKING BRAKE HOSE  
STANDARD BRAKE SYSTEM VALVES  
STANDARD AIR SYSTEM PRESSURE  
PROTECTION SYSTEM  
STD U.S. FRONT BRAKE VALVE  
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE,  
NO REAR PROPORTIONING VALVE  
WABCO SYSTEM SAVER HP WITH INTEGRAL  
AIR GOVERNOR AND HEATER  
AIR DRYER MOUNTED UNDER HOOD  
STEEL AIR BRAKE RESERVOIRS  
CLEAR FRAME RAILS FROM BACK OF CAB TO  
FRONT REAR SUSPENSION BRACKET BOTH  
RAILS OUTBOARD  
PULL CABLES ON ALL AIR RESERVOIR(S)

**Trailer Connections**

UPGRADED CHASSIS MULTIPLEXING UNIT  
UPGRADED BULKHEAD MULTIPLEXING UNIT

**Wheelbase & Frame**

4425MM (174 INCH) WHEELBASE  
11/32X3-1/2X10-15/16 INCH STEEL FRAME  
(8.73MMX277.8MM/0.344X10.94 INCH) 120KSI  
2450MM (96 INCH) REAR FRAME OVERHANG  
FRAME OVERHANG RANGE: 91 INCH TO 100  
INCH  
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :  
108.66 in  
CALCULATED EFFECTIVE BACK OF CAB TO  
REAR SUSPENSION C/L (CA) : 105.66 in  
CALC'D FRAME LENGTH - OVERALL : 309.69  
CALCULATED FRAME SPACE LH SIDE : 60.72 in  
CALCULATED FRAME SPACE RH SIDE :  
10152.26 in  
CALC'D SPACE AVAILABLE FOR DECKPLATE :  
108.45 in  
SQUARE END OF FRAME  
FRONT CLOSING-CROSSMEMBER



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**Description**

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STANDARD WEIGHT ENGINE CROSSMEMBER  
STANDARD CROSSMEMBER BACK OF  
TRANSMISSION  
STANDARD MIDSHIP #1 CROSSMEMBER(S)  
STANDARD REARMOST CROSSMEMBER  
STANDARD SUSPENSION CROSSMEMBER

**Chassis Equipment**

THREE-PIECE 14 INCH STEEL CENTER BUMPER  
WITH FLEXIBLE PLASTIC ENDS  
FRONT TOW HOOKS - FRAME MOUNTED  
BUMPER MOUNTING FOR SINGLE LICENSE  
PLATE  
FENDER AND FRONT OF HOOD MOUNTED  
FRONT MUDFLAPS  
GRADE 8 THREADED HEX HEADED FRAME  
FASTENERS  
D15-16004-000 CENTER PUNCH TO MARK  
CENTERLINE OF REAR SUSPENSION ON  
FRAME WEB

**Fuel Tanks**

50 GALLON/189 LITER RECTANGULAR  
ALUMINUM FUEL TANK - LH  
RECTANGULAR FUEL TANK(S)  
PLAIN ALUMINUM/PAINTED STEEL  
FUEL/HYDRAULIC TANK(S) WITH PAINTED  
BANDS  
FUEL TANK(S) FORWARD  
PLAIN STEP FINISH  
FUEL TANK CAP(S)  
DETROIT FUEL/WATER SEPARATOR WITH  
BYPASS  
EQUIFLO INBOARD FUEL SYSTEM  
HIGH TEMPERATURE REINFORCED NYLON  
FUEL LINE

**Tires**

HANKOOK AL21 11R22.5 14 PLY RADIAL FRONT  
TIRES  
HANKOOK DL11 11R22.5 14 PLY RADIAL REAR  
TIRES

**Hubs**

CONMET PRESET PLUS PREMIUM IRON FRONT  
HUBS



**Description**

CONMET PRESET PLUS PREMIUM IRON REAR  
HUBS

**Wheels**

ACCURIDE 28828 22.5X8.25 10-HUB PILOT 6.18  
INSET 2-HAND HD STEEL DISC FRONT WHEELS  
ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-  
HAND HD STEEL DISC REAR WHEELS  
FRONT WHEEL MOUNTING NUTS  
REAR WHEEL MOUNTING NUTS

**Cab Exterior**

106 INCH BBC FLAT ROOF ALUMINUM  
CONVENTIONAL CAB  
AIR CAB MOUNTING  
NONREMOVABLE BUGSCREEN MOUNTED  
BEHIND GRILLE  
LH AND RH GRAB HANDLES  
HOOD MOUNTED CHROMED PLASTIC GRILLE  
CHROME HOOD MOUNTED AIR INTAKE GRILLE  
FIBERGLASS HOOD  
SINGLE 14 INCH ROUND POLISHED AIR HORN  
ROOF MOUNTED  
SINGLE ELECTRIC HORN  
SINGLE HORN SHIELD  
DOOR LOCKS AND IGNITION SWITCH KEYED  
THE SAME  
KEY QUANTITY OF 2  
REAR LICENSE PLATE MOUNT END OF FRAME  
INTEGRAL HEADLIGHT/MARKER ASSEMBLY  
WITH CHROME BEZEL  
(5) AMBER MARKER LIGHTS  
INTEGRAL STOP/TAIL/BACKUP LIGHTS WITH 7  
EXTRA FEET OF WIRE MOUNTED AT END OF  
FRAME  
STANDARD FRONT TURN SIGNAL LAMPS  
DUAL WEST COAST MOLDED-IN COLOR  
MIRRORS  
DOOR MOUNTED MIRRORS  
102 INCH EQUIPMENT WIDTH  
LH AND RH 8 INCH MOLDED-IN COLOR CONVEX  
MIRRORS MOUNTED UNDER PRIMARY  
MIRRORS  
STANDARD SIDE/REAR REFLECTORS



**Description**

63X14 INCH TINTED REAR WINDOW  
TINTED DOOR GLASS LH AND RH WITH TINTED  
NON-OPERATING WING WINDOWS  
MANUAL DOOR WINDOW REGULATORS  
1-PIECE SOLAR GREEN GLASS WINDSHIELD  
2 GALLON WINDSHIELD WASHER RESERVOIR  
WITHOUT FLUID LEVEL INDICATOR, FRAME  
MOUNTED

**Cab Interior**

OPAL GRAY VINYL INTERIOR  
MOLDED PLASTIC DOOR PANEL  
MOLDED PLASTIC DOOR PANEL  
BLACK MATS WITH SINGLE INSULATION  
DASH MOUNTED ASH TRAYS AND LIGHTER  
FORWARD ROOF MOUNTED CONSOLE WITH  
UPPER STORAGE COMPARTMENTS WITHOUT  
NETTING  
IN DASH STORAGE BIN  
(2) CUP HOLDERS LH AND RH DASH  
GRAY/CHARCOAL FLAT DASH  
2-1/2 LB. FIRE EXTINGUISHER  
HEATER, DEFROSTER AND AIR CONDITIONER  
STANDARD HVAC DUCTING  
MAIN HVAC CONTROLS WITH RECIRCULATION  
SWITCH  
STANDARD HEATER PLUMBING  
VALEO HEAVY DUTY A/C REFRIGERANT  
COMPRESSOR  
BINARY CONTROL, R-134A  
STANDARD INSULATION  
SOLID-STATE CIRCUIT PROTECTION AND  
FUSES  
12V NEGATIVE GROUND ELECTRICAL SYSTEM  
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED  
BY LH AND RH DOORS  
CAB DOOR LATCHES WITH MANUAL DOOR  
LOCKS  
TRIANGULAR REFLECTORS WITHOUT FLARES  
BASIC HIGH BACK AIR SUSPENSION DRIVER  
SEAT WITH MECHANICAL LUMBAR AND  
INTEGRATED CUSHION EXTENSION



---

**Description**

2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT  
LH AND RH INTEGRAL DOOR PANEL ARMRESTS  
BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER  
BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER  
BLACK SEAT BELTS  
FIXED STEERING COLUMN  
4-SPOKE 18 INCH (450MM) STEERING WHEEL  
DRIVER AND PASSENGER INTERIOR SUN VISORS

**Instruments & Controls**

GRAY DRIVER INSTRUMENT PANEL  
GRAY CENTER INSTRUMENT PANEL  
ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS  
BLACK GAUGE BEZELS  
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM  
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES  
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS  
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL  
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY WITH ECM STARTER LOCKOUT  
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED  
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH  
2 INCH ELECTRIC FUEL GAUGE  
ENGINE REMOTE INTERFACE WITH PRESET FAST IDLE  
ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB  
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE  
TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT



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**Description**

ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY

(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP - PARK BRAKE AND NEUTRAL INTERLOCK

ELECTRIC ENGINE OIL PRESSURE GAUGE

AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939

DASH MOUNTED RADIO

(2) RADIO SPEAKERS IN CAB

AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF

POWER AND GROUND STUDS IN/UNDER DASH

ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER

STANDARD VEHICLE SPEED SENSOR

ELECTRONIC 3000 RPM TACHOMETER

VT-HU CONNECTIVITY PLATFORM HARDWARE

3 YEARS DETROIT CONNECT BASE PACKAGE (VIRTUAL TECHNICIAN, DETROIT CONNECT PORTAL ACCESS) FOR VT-HU CONNECTIVITY PLATFORM

IGNITION SWITCH CONTROLLED ENGINE STOP

DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY

SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY

MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH

ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR

SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE

INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

**Design**

PAINT: ONE SOLID COLOR

**Color**

CAB COLOR A: N0006EA WHITE ELITE SS





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**Description**

BLACK, HIGH SOLIDS POLYURETHANE CHASSIS  
PAINT

POWDER WHITE (N0006EA) FRONT  
WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

POWDER WHITE (N0006EA) REAR  
WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

BUMPER PAINT: FP24812 ARGENT SILVER  
DUPONT FLEX

STANDARD E COAT/UNDERCOATING

**Certification / Compliance**

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

**Raw Performance Data**

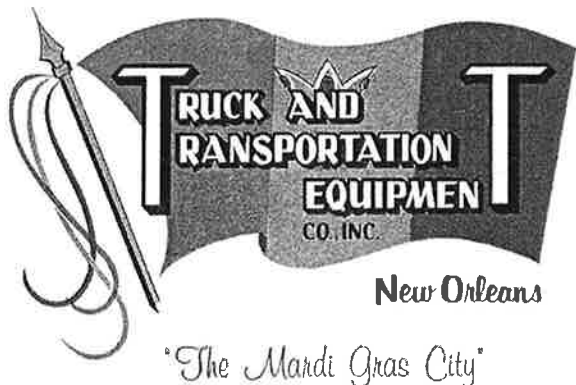
CALCULATED EFFECTIVE BACK OF CAB TO  
REAR SUSPENSION C/L (CA) : 105.66 in

CALC'D SPACE AVAILABLE FOR DECKPLATE :  
108.45 in

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



PO BOX 10455  
 NEW ORLEANS, LA, 70181  
 260 INDUSTRIAL AVE.  
 JEFFERSON, LA, 70121



TOLL FREE: 800-299-8065  
 DIRECT: 504-834-8065  
 FAX: 504-834-8485  
 PARTS FAX: 504-834-8404

Attention: Mr. Brian Jackson  
 Empire Trucks  
 210 Frontage Rd.  
 Slidell, LA, 70458

10/13/20

Dear Mr. Brian Jackson,

RE: RTA Vault Truck

Supply and fully install on your Freightliner Model M2-106 Truck Chassis with a (108" C/A) the following equipment:

**Item 1**

One (1) Heavy Duty Morgan GVSD 85 14' Aluminum Dry Freight Van Body

Dimensions:                    Length: 13'11" interior          Exterior: 16'5"  
    Height: 84 3/4" interior        Exterior: 91-3/8"  
    Width: 92" interior              Exterior: 96"

Front:                              Radius design with stainless steel corner posts.

Exterior:                           Pre-painted white .040 aluminum.

Roof:                                .032 aluminum, one piece, pretensioned with roof bows on 24" centers.

Wall Posts:                        Heavy duty steel hat section posts on 16" centers with Two (2) extra hat posts on the front wall.

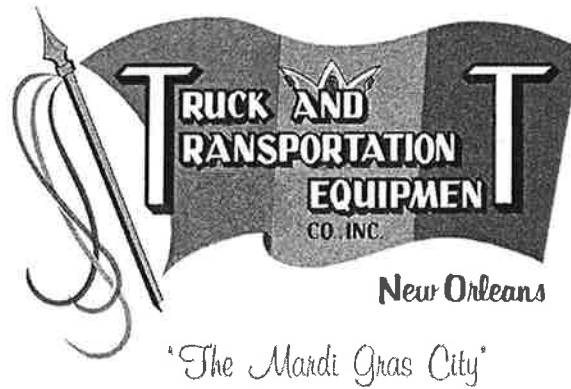
Rear Door:                         Whiting plastic covered, twin cable, overhead roll-up door. Door opening: 88" w x 79-1/4" H

**DISTRIBUTORS  
 FOR:**

- |                   |                 |                 |                     |               |                   |
|-------------------|-----------------|-----------------|---------------------|---------------|-------------------|
| AERIAL BASKETS    | DUMP HOISTS     | LIFT GATES      | PTO'S               | STAKE BODIES  | TRUCK WINCHES     |
| BOTTLE GAS BODIES | FIFTH WHEELS    | LOWBOYS         | PUMPS               | TAG AXLES     | UTILITY BODIES    |
| BRICK UNLOADERS   | FUEL TANKS      | LUBE SYSTEMS    | REFRIGERATOR BODIES | TOOL BOXES    | UTILITY EQUIPMENT |
| CUSTOM BODIES     | HITCHES         | OILFIELD BODIES | ROLLOFF BODIES      | TRAILER PARTS | VAN BODIES        |
| DUMP BODIES       | HYD. COMPONENTS | PLATFORM BODIES | SEMI TRAILERS       | TRUCK CRANES  | VAN SHELVING      |

**VISIT US AT: TRUCKANDTRANSPORTATION.COM**

PO BOX 10455  
NEW ORLEANS, LA. 70181  
260 INDUSTRIAL AVE.  
JEFFERSON, LA. 70121



TOLL FREE: 800-299-8065  
DIRECT: 504-834-8065  
FAX: 504-834-8485  
PARTS FAX: 504-834-8404

Empire Trucks  
Page 2 of 3

Quote # 13531

- Interior Lining:** Total of Six (6) 2" x 6" Oak Boards installed on the side wall and the front wall. Secured to the wall posts with bolts that are flush mounted in the oak. 1" x 3" Heavy Duty Dense Rubber installed on the first slat board to prevent carts from damaging wall.
- Scuff Liner:** 2" x 12" Oak Wood installed 3" off the floor. Secured to the wall posts with bolts that are flush mounted in the oak. Installed on the sides and front wall.
- E-Track:** Two (2) Rows of E-Track installed between the slat boards, protected from the carts hitting them.
- Floor:** 1 3/8" laminated hard wood floor.
- Understructure:** 6" structural channel steel longsills, 3" crossmembers on 12" centers.
- Lights:** Lights and reflectors per FMVSS #108 specifications. Interior dome light with switch.
- Bumper:** ICC structural channel steel bumper to meet FMVSS Regulations.
- Mud Flaps:** One pair of anti-sail mud flaps.
- Back Up Alarm:** One (1) electronic back up alarm.
- Undercoating:** Entire Underbody.

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BRICK UNLOADERS	FUEL TANKS	LUBE SYSTEMS	REFRIGERATOR BODIES	TOOL BOXES	UTILITY EQUIPMENT
CUSTOM BODIES	HITCHES	OILFIELD BODIES	ROLLOFF BODIES	TRAILER PARTS	VAN BODIES
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Empire Trucks  
Page 3 of 3

Quote # 13531

**Installation:** Fully installed on your truck chassis with 5/8" diameter U-Bolts and 20 yr. celcure wood frame cushions.

**Item 2**

**Special Shelving:** Fabricate and install Four (4) shelf racks for storing cash boxes. Brackets constructed of 1 1/4" angle iron, 58" long by 20 1/2" tall by 10 1/2" deep. Each rack shall have five sections approximately 10" wide. There is a 1 1/2" piece of flat steel located in the middle to lock the cash boxes in. The bottom of the rack will have plywood for the machines to sit on.

**Item 3**

**Liftgate:** One (1) 4000lb Thieman Railgate Model VL40 90" x 60" + 12" with automatic cart stop, angle iron welded to the sides to keep carts from coming off. Electric operated pump, Painted Black.

**Item 4**

**Ratchet Straps:** Six (6) 10,000lb capacity ratchet straps with 12' straps with locks on the ends to fit into the E-Track.

Delivery would be approximately 4 weeks. Price is good for 45 days. Price does not include any applicable taxes. Please call if you have any questions.

Sincerely,

Truck and Transportation  
Equipment Company

George Wilson  
Manager

**DISTRIBUTORS**

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