**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL**

**CHASSIS**

**Year, Mfr., Model: Click or tap here to enter text.**

**Engine: Click or tap here to enter text.**

**Transmission: Click or tap here to enter text.**

**Delivery, A.R.O.: Click or tap here to enter text.**

**Warranty: Click or tap here to enter text.**

**REMARKS: Click or tap here to enter text.**

**CAR CARRIER BODY**

**Mfr., Model: Click or tap here to enter text.**

**Warranty: Click or tap here to enter text.**

**REMARKS: Click or tap here to enter text.**

**LIGHT BAR**

**Mfr., Model: Click or tap here to enter text.**

**Warranty: Click or tap here to enter text.**

**REMARKS: Click or tap here to enter text.**

**COMPLIANCE**

**YES NO**

# General

Freightliner M2 106 chassis designed for heavy-duty general municipal

use including the use of a roll back body with wheel lift truck and appurtenances

Set back axle truck package with a minimum bumper-to-back-of cab measurement of 106”

Axle setback to provide the best turning radius possible

Intended Service: Roll Back Truck

Cab to Body Clearance: 3 inches

Front Axle Capacity: 8,000 lbs.

Rear Axle Capacity: 18,000 lbs.

GVW Capacity: 26,000 lbs. Non-CDL No-Exception

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Engine

Cummins L9, minimum 300 hp @ 2000rpm and 860 lb.-ft. torque @ 1400rpm. Must be in-line 6 cylinder of wet sleeve design, and 50 State certification and electronics for simple service and diagnosis when needed. Minimum displacement is to be 8.9 liters. Engine MUST comply with Latest Federal Mandate for diesel emissions. Should an alternate power plant be offered the

bidder must provide all necessary technical data to show proof of equality

**Engine Equipment**

Engine must have latest diesel emission certification and OBD

Regen inhibit speed threshold-5 MPH

Oil check and fill: engine mounted

Alternator: 200 amp DR 28 SI with remote battery volt sense

Batteries: Two (2) 12-volt GNB Maintenance-Free 2000 CCA

Battery Box: frame-mounted left side under cab

Positive and negative posts for jumpstart located on frame next to starter

Positive load disconnect switch mounted outboard of driver seat.

Gates Blue stripe hoses

Compressor: 18.7 cfm

Discharge line: Teflon

Engine Protection: electronic engine-integral warning system with shut down function

Engine brake: Cummins exhaust brake

Exhaust: Single right-hand under step mounted horizontal after-treatment system

Fan Drive: Horton air on/off drive automatic fan control

Oil filter: Full-flow

Fuel filter: spin on

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**Engine Equipment (Cont’d)**

Six (6) gallon diesel exhaust fluid (DEF) tank to be full of fluid at delivery

Radiator: 900 square-inch

Heavy-duty coolant: -34 extended life with coolant filter

Coolant hoses: Gates blue-stripe

Constant-torque clamps: constant torque for coolant hoses 1-3” diameter

Engine Heater: Phillips 1000W/115V

Chrome heater receptacle: mounted under driver’s door

Air intake warmer

Starter: Delco 12V 39 MT HD with OCP and magnetic switch

# Transmission & Equipment

Transmission: Allison World RDS 3000 six-speed electronic automatic with PTO provision,

Six (6) forward gears and one (1) reverse gear. Six-speed transmission programming (223)

Vehicle interface wiring, Magnetic engine drain, transmission and rear axle fill and drain plugs

Vehicle interface wiring with body builder connector mounted back of cab

Electronic transmission customer access connector firewall mounted

Trans oil check and fill with electronic oil level check

Shift control: Dash mounted push button

Transmission cooler: heavy-duty water-to oil in radiator end tank

PTO mounting LH side of mail transmission

# Front Axle and Equipment

Detroit DA-F-10.3-KPI/3.74 drop, minimum capacity @ ground of 10,000 lbs.

Set Back Front Axle Design

Front brakes: Meritor cam 15 X 4” Q+ cast spider cam with dust shields

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Front Axle and Equipment (Cont’d)

Front brake linings: non-asbestos

Front brake drums: Conmet outboard-mounted cast-iron

Front oil seals: SKF Scotseal or equal

Synthetic 75W-90 front axle lube

Front hubcap: vented oil-type with window center and side plugs

Front slack adjusters: Meritor

Power steering pump: TRW TAS-60

Power steering reservoir: 2-quart

Suspension bushings: graphite bronze with seals

Front suspension: taper-leaf springs rated @ 10,000 lbs. minimum

Front shock absorbers

# Rear Axle and Equipment

Meritor MS-19-14X R series 19,000 lbs.

Rear axle ratio: 4.88

Rear axle carrier housing: iron

Main driveline: MXL176T Meritor extended lube with half-round yokes

Driver controlled traction differential with driver controlled differential lock rear valve with

dash-mounted switch and blinking indicator lamp, differential unlock with ignition off, active @

5 mph

Lubrication: Synthetic 75W-90 rear axle lube

Rear Brakes: Meritor cam 16.5X7” Q+ spider double anchor fabricated shoes

Rear axle brake linings: non-asbestos with dust shields

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Rear Axle and Equipment (Cont’d)

Rear brake drums: Conmet outboard-mounted cast iron

Brake cams and chambers on forward side of drive axle

Rear axle oil seals

Parking brake chambers: Haldex Goldseal Longstroke spring parking brake chambers

Rear axle Automatic slack adjusters: Meritor

Rear Suspension: 18,000-lb. airliner with manual dump valve

Transverse control rods and rear shock absorbers

Axle clamp: Standard U-bolt pad

# Brake System Equipment

Brake Package: Full air

Anti-lock brake system: Wabco four-channel, 4-sensor/4 modulator, with-out traction control

enhancement

Chassis air lines: reinforced nylon, fabric braid and wire braid depending on location

Brake relay valve with 5-8 psi crack pressure

Air dryer: Bendix AD9SI heated air dryer mounted inboard under hood

Air reservoirs: Aluminum

Air tank drain valves: pull cables on all air tanks

Quick disconnect fitting w/40’ of 200 PSI hose for tire inflation

# Frame and Wheelbase

Wheelbase: 216”

Cab-to-Axle: 150”

Frame: 1,479,600 RBM, 9/32” x 3-7/16” x 10-1/16” heat-treated steel, 120,000 ksi yield strength

single channel, double frame is not acceptable due to rust perforation of inner frame

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Frame and Wheelbase (Cont’d)

Rear overhang: 96” or adequate amount to allow body installer to cut any excess back to a custom measurement for installation of wheel lift. No body installations requiring the addition of rear frame beyond factory standard will be accepted. Bidder to provide unladen frame height

and dock height with body mounted

End of frame: Square-cut

Rear Suspension Cross Member: standard heavy-duty C-channel

# Chassis Equipment

Front bumper: Chrome steel

Front two hooks: two-frame mounted

Fender and front of hood mounted front mud flaps

Front license plate bracket: included

Chassis Fasteners: Grade 8 threaded Hex

# Fuel Tanks and Equipment

Left hand fuel tank: 50-gallon, must be constructed of aluminum to preclude exterior corrosion

and interior fuel contamination

Fuel tank: rectangular

Fuel tank and band finish: steel bands with polished aluminum tank and steps

Fuel tank orientation: Forward mounted under cab

Fuel tank cap: Standard, non-locking

Fuel/water separator: Detroit with heated bowl and primer pump

Fuel system: “Equiflo” inboard fuel supply and return system designed to maintain a constant

fuel temperature

Fuel hoses: Nylon high temperature reinforced

# Front Tires, Hubs and Wheels

Front Tires: Michelin XZE 255/70R x 22.5 16 Ply

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Front Tires, Hubs and Wheels (Cont’d)

Front Hubs: Conmet pre-set bearing iron (aluminum hubs are not acceptable)

Front Wheels: Alcoa model 88267X 10-bolt hub-pilot 22.5” x 8.25” aluminum

disc polished inside and outside with nylon wheel guards all interfaces

Front wheel nuts: hub-pilot with flat flange

# Rear Tires, Hubs and Wheels

Rear Tires: Michelin X Multi D 255/70R22.5 16-ply

Rear hubs: Conmet pre-set bearing iron (aluminum hubs are not acceptable)

Rear wheels: Alcoa model 88267X 10-bolt hub-pilot 22.5” x 8.25” aluminum disc

Wheel polished inside and outside with nylon wheel guards all interfaces

Rear wheel nuts: hub pilot with flat flange

# Spare Tire

Spare Front and Rear Tires w/Rim: Same as tire rims specified

# Cab Exterior

Cab: 106” BBC conventional aluminum cab, one-piece windshield, adjustable doors with concealed hinges, flush paddle-type door handles, fiberglass hood and split fenders with splash shields that lift away from the engine compartment when the hood is tilted. Entry and egress shall be made via a 3-point system consisting of self-cleaning non-slip steps and a minimum of (2) grab handles on each side for the operator and passengers to utilize, one on the inside of the door, and one on the cab exterior to the rear of the door. The steps are to be a minimum of 4” wide and the grab handles must be large enough to be safely grasped by one wearing heavy-duty work gloves. Total cab dimensions shall not be less than 80.75” wide outside and 56.5” from floor to roof inside. Cabs with raised or “bubble” roofs are not

acceptable

Cab mounts: air

Bug Screen: Non-removable mounted behind grille

Grab handles: Exterior LH/RH

Bright finish radiator shell/hood bezel

Grille: Chrome

Chrome hood mounted air intake grille

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Cab Exterior (Cont’d)

Hood: Fiberglass

Tunnel/firewall liner

Air Horn: single under deck with shield

Horn shields: single

Electronic horns: dual

Key and Lockset: All trucks and all locks keyed the same with 6 keys per unit

Headlights: single halogen composite with bright bezels, headlights on with wipers

Marker lights: aerodynamic LED

Stop/tail/turn lamps at end of frame LED integral

Turn signal: one set mounted in headlight cluster

Primary mirrors: Dual west coast bright finish with heater LH & RH remote

Mirror Mounting: Mirrors mounted on doors

Mirror Width: 102”

Auxiliary mirrors: 8” convex bright finish mounted under primary mirrors both sides

RH after-treatment cab access with polished aluminum diamond plate cover and steps

Rear window: tinted safety glass 63X14”

Door windows: tinted with lowered bottom beltline for increased sideward visibility and

Operating wing windows LH & RH

Composite Exterior Sun Visor

Door window regulators: electric

Windshield: 1 piece tinted and heated

8-liter windshield washer reservoir with fluid level indicator

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Cab Interior

Interior Level: Opal Gray vinyl interior. Minimum 75” shoulder room and 66.5” hip

room, side to side

Interior convenience package roof mounted console with additional center compartment with

CB provision

Lefthand upper door trim: molded door panel with aluminum kick plate

Righthand upper door trim: molded door panel with aluminum kick plate

Map pockets: Lefthand door, forward roof mounted console, and upper storage compartments

Dash mounted 12 Volt power supply

Cup Holder: 2 dash-mounted

Air conditioning

Main heater/vent control: Main HVAC with recirculation switch

HVAC ducting for fresh air intake with snow shield

Heater plumbing: standard without ball shut off valves

A/C compressor: heavy duty

A/C condenser: radiator mounted

A/C plumbing; binary control with R134A refrigerant

Cab Insulation package: standard

12V negative ground electrical system

Interior lights: dome door activated Left/Right hand dual reading lights forward cab roof

Cab door locks: electric

Driver seat: Elite heated high-back air suspension with 3 chamber air lumbar, integrated cushion

extension forward and rear cushion tilt, adjustable shock absorber with dual driver seat arm rest

Left and Right hand integral door panel arm rests

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Cab Interior (Cont’d)

Passenger seat: Two-Man mid back tool box seat

Driver seat cover: vinyl

Seat belts: 3-point adjustable d-ring retractor for outboard seating positions

Steering column: tilt and telescopic

Steering wheel: 18”

Interior sun visors: standard driver and passenger

One (1) First Aid Kit

One (1) 5lb. Fire Extinguisher, interior mounted

One (1) Triangular Reflector Kit

# Instrument Panel and Controls

Gauge package: electronic

Gauge finish: black bezels

Drive instrument panel: Wood grain with flat gauge insert area

Dash center panel: Wood grain with flat gauge insert area

Low air pressure warning: light and buzzer

Air system pressure gauge: 2” primary and secondary gauges

Air restriction indicator: dash mounted with graduations

Cruise control: mounted LH dash switch panel

Starter control: key-controlled, no push button

Driver Information center: LCD odometer, trip odometer, hour meter, voltmeter, and diagnostic

indicator in combination with 26 warning lamps data linked

Diagnostic Interface connector: located below dash

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Instrument Panel and Controls (Cont’d)

Fuel level gauge: electric

Coolant temperature gauge: electric

2” Transmission temperature gauge

Hour meter: integral with driver display

Engine oil pressure gauge: electric

Radio: AM/FM WB with front auxiliary input

Radio speakers: two (2)

Radio antenna: Lefthand Roof mounted

Power and ground wire provision in overhead console for CB radio

Speedometer: electronic, MPH scale

Tachometer: electronic 3000rpm

Digital voltage display: Integral with drive display

Windshield wiper control: Electric 2-speed with variable intermittent settings, switch mounted

on turn signal stalk with washer/wiper and hazard in handle

Factory Installed Dash mounted PTO switch with indicator lamp

Six (6) on/off rocker switches in the dash with indicator lights with wire routed to

back of cab

Parking brake system: 1-valve system with warning indicator

Turn signal switch: self-canceling with brake overriding stop lamps

Backup alarm 87 DB to 112 DB automatic self-adjusting

# Paint

Paint type: One color solid base/clear

Paint color A: Blue L0346EY Med Concord Blue Met

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

# Paint (Cont’d)

Paint design: Standard

Chassis color: Black Polyurethane

Bumper color: Chrome

Front Wheel color: polished aluminum

Rear Wheel color: polished aluminum

# Extended Warranty: Chassis

5-year 100,000 mile engine warranty to include turbo, injectors and ATS

5-year transmission warranty with unlimited mileage

5 year towing for warrantable repairs warranty

**Manuals/Warranty**

The end unit will be delivered with the following items:

One (1) Complete set of all fluid filters, air filters and belts for engine, transmission, final drives,

mounted equipment, optional equipment, and all accessories that have replaceable filters.

Service manuals must be in USB or online format

Two (2) Complete sets of “shop” and parts manuals chassis

Parts manuals must be in USB format

Two (2) sets of Manufacturers, Line Setting Sheets for chassis, mounted equipment, and optional

equipment

Undercoating – entire truck chassis, underside of cab and underside

of added body (dump, utility, platform) shall be coated with

Tectyl 2423 Haps Free Black, or Z Guard Product, a low VOC, High Solids,

Emulsion Corrosion preventing coating

Warranty samples to be included in the bid package

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**MILLER INDUSTRIES / CHEVRON SERIES 12 LCG ALUMINUM CARRIER SPECIFICATIONS**

The Miller / Chevron 12 carrier LCG Aluminum is to be 22 ft deck length.

Combo dock stabilizer and wheel lift

Deck working load capacity is 12,000 lbs. distributed.

One (1) Pair Wheel lift stabilizer spades

Platform Aluminum

Bed width to be 102” wide

Cross members 4” on center

Rails Aluminum Blade Style

Right and Left Chain trays

Eleven (11) Key Slot package

Subframe Length 230”

Slide Pads

Bed anti-tilt lockout

Roller Bed Positive Lock-Down

Left and Right side Illuminated Controls

Full Function Wheel lift System

Safety chains (two (2) Front, two (2) rear)

Adjustable Rear Stabilizer

Six (6) Spool Capable Control Station

Two (2) lift cylinders

One (1) Extension Cylinder

12000 lb. Hydraulic winch planetary with 50’ cable

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**MILLER INDUSTRIES / CHEVRON SERIES 12 LCG ALUMINUM**

**CARRIER SPECIFICATIONS (Cont’d)**

Cable tensioner

Cable Roller Guide

Federal standard # 108 LED lighting

Pre-wired electrical junction box six (6) Factory Dash Switches

Tow Light socket

Back up lights and alarm

Hydraulic Pump

Mud Flaps

Bed mount cab protector

Aluminum Removable Blade Rails

Air Shift Winch clutch release

Galvanized Subframe

Wireless Winch Remote

Work lights: One (1) Pair winch, One (1) pair lower for wheel lift

Additional Lighting Whelen16 Head 60” LED light bar

Combination Dock Stabilizer/Wheel Lift

Chevron Drop in Wheel Retainer

Aluminum Tool Compartments LH & RH 49” with shelves

Chain and Strap Assemblies

PTO Hot Shift Muncie or Chelsea

Switch Panel

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**MILLER INDUSTRIES / CHEVRON SERIES 12 LCG ALUMINUM**

**CARRIER SPECIFICATIONS (Cont’d)**

Deck height above truck frame steel is 6 ¾”

Deck Height above truck frame wood 7.75”

Platform length to be 22’

Platform Width outside 102”

Platform Width inside 96 ½ -101”

Platform Main beam 6” I beam

Platform Crossmembers 2 ¼” aluminum

Crossmember spacing 4” on center Aluminum

Subframe Rails 5”X3”X5/16” H.S Tube

Rear Pivot 1 Piece 1 1/2” Diameter

Cable 3/8”x50’

Bed Tilt Cylinder 3” bore

Bed Extension Cylinder 3 ½ X 120” Stroke

Wheel Lift Reach 66”

Wheel Lift Rating Extended 4000#

Tow Rating 10000#

Maximum Frame Height 38”

One (1) Steck lock out kit (Part #ST 32955)

One (1) BA Products snatch block 4 ton with chain (Part #6I-4TSW30)

One (1) BA Products car carrier tie down system (Part #38-200C)

One (1) Wreckmaster tire skates (wreck master green) (Part #48-701135)

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**MILLER INDUSTRIES / CHEVRON SERIES 12 LCG ALUMINUM**

**CARRIER SPECIFICATIONS (Cont’d)**

One (1) TOW MATE Tow light (Part #TM22G-4)

Three (3) pair-Miller Industries 1500 Lumens (EA) LED work light (Part #50003320)

-Two (2) mounted on rear taillight housing

-Two (2) mounted next to winch

-Two (2) mounted on the underside of pylon looking down to deck

Eight (8) stainless mounts (Part #MX M501)

Two (2) LED tool box lights (Part # MWL-34)

One (1) Milwaukee 18V impact ½ drive (Part # 286322)

One (1) Owatonna Tool Company 2ton aluminum floor jack (Part #OTC1532A)

One (1) Metal Works aluminum floor jack storage tray (Part # 1293EP)

One (1) Milton air chuck and gauge (Part #S506)

One (1) Miller Industries convert a ball kit (Part #174017093)

One (1) Streamlight LED rechargeable lite box mounted/wired in cab (Part #45851)

One (1) spare BA Products 3/8 x 75ft fiber core wire rope with swivel self-lock

(Part #4-38Ps75LH)

Three (3) Pairs of amber/clear strobe lights with six (6) LED’s (Part# 8891920)

Six (6) Strobe mounting brackets (part # 8891925)

Six (6) strobe bezels (part # 8891920)

All strobes to be programmable

Mounting for strobes two (2) side, two (2) front and, two (2) rear

**OPTIONS**

**1A. 5000 Series Go Jacks Miller # WTDGJ5000 with Covers**

**1B. Go Jack Holders with Locks Mounted on Deck Miller #ADG**

**1C. 10’ Long Tie Down Chains with 10” J Hooks with T Hooks**

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1D. Nylon Center Hookup Strap BA11#-8LPCLU36**

**1E. 5/16” Center Hook Up Chain BA # LP118LU**

**1F. Pair of 30’ Long Jumper Cables with Plug in Box Mounted**

**1G. 5/16” X10’ Grade 70 BA # 11-516G710 Chains**

**1H. 3/8” X 10’ Grade 70 BA # 11-3/8G710 Chains**

**1I. 5/16” Ratchet Load Binders BA # 11-RTLB-3**

**1J. 3/8” Ratchet Load Binders BA # 11-RTLB-4**

**1K. 3/8” X 20’ Grade 70 Chains BA # 11-38G720**

**1L. 5/16” X20’ Grade 70 Chains BA# 11-516G20**

**1M.** **Husky 815-Piece Mechanic’s Tool Set**

**Key Features:**

Alloy Steel Construction

SAE and Metric Sizes

Item Weight: 178 lbs.

**Tool Set**

Husky Mechanic Tool Set (815 pieces) Part # H815MTS

Includes:

433 sockets

230 accessories

145 various wrenches (standard combination, stubby, ratcheting,

stubby ratcheting, flex head ratcheting, reversible ratcheting and specialty)

7 ratchets,

72-tooth quick release ratchet

“No Questions/No Receipts” Lifetime warranty

**Impact Sockets**

Dewalt – DWMT 19242 1/2” Drive metric deep impact socket set (26 pieces)

Dewalt – DWMT 19239 ½” Drive SAE Deep impact socket set (19 pieces)

Limited Lifetime Warranty

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1M.** **Husky 815-Piece Mechanic’s Tool Set (Cont’d)**

**Impact Wrench**

Milwaukee M18 Fuel 18 Volt Litium Ion Brushless, Cordless ½” impact wrench

with friction ring kit

Two (2) 5.0 Ah batteries

5 Year Warranty/Tool

3 Year Warranty/Battery

**1N. Diagnostic Tools / Test Equipment**

Cummins Quickserv Unlimited Service plan, with renewals, shall be provided at no

cost to the county for a period of five (5) years from the acceptance of the equipment

1. Successful bidder may be required to supply between one (1) to three (3)

complete sets of OEM test/diagnostic/ programming equipment (i.e. laptop,

software, cabling, and adapters) and special tools required to perform the

full range of diagnostic and maintenance actions necessary to maintain

vehicle operability. This equipment will cover the vehicle chassis, engine,

transmission, brakes, hydraulics, and all additional equipment (if applicable).

1. All laptop computers will be of the newest available technology and have

sufficient storage and memory to operate all required software.

1. Provide a list of all test/diagnostic/programming equipment and special tools

being supplied at the time of bid.

1. All software installations and activations will be completed by the successful

bidder at no cost to the County.

1. All software updates and renewal will be provided at no cost to the County

for a period of five (5) years from the acceptance of the equipment.

1. All technical issues relating to test/diagnostic/programming equipment and

special tools shall be resolved by the successful bidder at no cost to the

County for a period of five (5) years from the acceptance of the equipment.

1. Training shall be provided on all items in this section at a County location.

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1O. Two-Way Radio Power and Wiring Requirements for New Vehicles**

For the purpose of installing two-way radios into new County vehicles and equipment,

the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.   
2. #12 AWG BLACK wire connected to chassis ground.  
3. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from

their source into the cab of the vehicle and secured in the vicinity of the operator.

The wiring harness shall be clearly labeled “TWO-WAY RADIO”. The wires shall

be unterminated. The 12VDC sources shall be protected from making contact with

grounded metal surfaces.

**1P. Installation of County Supplied Two Way Radio and Accessories**

Install is to include but not limited to antenna cable, mounts, speakers, brackets, etc.

For the purpose of installing two-way radios into new County vehicles and equipment,

the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.   
2. #12 AWG BLACK wire connected to chassis ground.  
3. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from their source into

the cab of the vehicle. The wiring harness shall be clearly labeled “TWO-WAY RADIO”.

The 12VDC sources shall be protected from making contact with grounded metal surfaces.

**1Q. Technical Support**

Technical Support is to be provided by factory authorized technical representatives and

is to be the original equipment Manufacturer’s industry standard technical presentation

in a classroom setting.

The support provided shall be at the journeyman/equipment technician level and should

address limited theory, fault diagnosis and repair pertaining specifically to the equipment

supplied under this specification.

Technical support may be requested in the following areas:

1. Engine (cooling, fuel, ignition, lubrication systems) – 1 day at each location.

2. Transmission – 1 day at each location

3. Electrical – 1 day at each location

4. Brakes – 1 day at each location

5. Hydraulic system (dump body, spreader, snow plow) – 1 day at each location

6. Upfitter (dump body, sweeper, etc.) – 1 day at each location

**ITEM #1 – MODEL YEAR 2022, OR NEWER FREIGHTLINER M2 106 CAB AND CHASSIS, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1Q. Technical Support (Cont’d)**

A technical representative(s) shall be made available for a total of 180 training/support

hours (anticipated to be scheduled in six (6) hour blocks). Shorter training days will be

allowed only with consent of Vehicle Services. The total training hours will be required

to be provided and no additional compensation will be considered. The actual time to be

spent on each area will be by mutual agreement of the Vehicle Services Department and

the successful bidder.

For the purposes of determining materials and other training costs, class size is

anticipated to be comprised of six (6) to ten (10) Vehicle Services Department personnel.

Actual class size will be determined by the Vehicle Services Department at the time the

classes are scheduled.

Before the training is scheduled, Vehicle Services and the contractor will agree on the

scope of the training, and the type and quantity of manuals, etc. that are necessary for

proper coverage.

Technical Support for Vehicle Services may be provided at the following fleet

maintenance facility location as scheduled by a Vehicle Services Department

representative:

a. Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (Two (2) sessions

will be provided at this location. One beginning at 7 am and another beginning

at 1:30 pm)

b. Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050

Technical Support for other Departments will be held at a location within

Ocean County. The requesting Department will notify the successful bidder of

the location.

Training at the successful bidder’s site, rather than the designated locations, will

be by mutual consent only.

Technical support will be requested and scheduled on an as needed basis up to

but not exceeding the 180 hours total during a period not to exceed twelve (12)

months from the date of placing the last unit in service.