**ITEM #1 – MODEL YEAR 2021 OR NEWER, FORD E350 CUTAWAY WITH CARGO BODY AND LIFTGATE, AS SPECIFIED, OR EQUAL**

***Chassis Manufacturer/Model:*** Click or tap here to enter text.

***Liftgate Manufacturer/Model:*** Click or tap here to enter text.

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

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

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

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

**COMPLIANCE**

**YES NO**

**GENERAL**

Model year 2021 or newer, Ford E350 Cutaway with Cargo Body and Liftgate

Color: White

6 speed automatic transmission with overdrive

7.3 V8 premium engine

Maximum 176” wheelbase

Minimum 12,500 lb. GVWR

Transmission with auxiliary oil cooler

50-State emissions system

Alternator – 225 AMP heavy duty

40 gallon fuel tank

Dual heavy duty 78 AMP battery

Front axle – Twin I-beam

Rear axle – Full float

Tires: LT225-75Rx16E All season

Steel valve stem

16” x 6” Painted white steel wheels

Spare Tire and Wheel

Running Board – LH/RH door length

High capacity upfitter switches

Remote keyless entry

Front bucket seats vinyl with inner arm rests on driver and passenger seat

Radio Electronic AM/FM with clock and audio

Front A/C

Vinyl flooring

Front dome lamp

Heated – long extension mirrors

Bluetooth Radio

Power windows and locks group

Dual USB port

Rear view camera

**ITEM #1 – MODEL YEAR 2021 OR NEWER, FORD E350 CUTAWAY WITH CARGO BODY AND LIFTGATE, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**CARGO BODY DURACUBE PRO**

The Duracube Cargo Van aluminum design features .040” pre-painted aluminum sheet

with galvanized “Z” posts on 16” centers, 2” spacing on seams, and 4” on ribs.

3” I-Beam cross member construction, spaced 16”

4” I-Beam or channel longsills

12 ga. galvanneal rear frame construction

4” rear post width

Complete underbody undercoat

Grab handles passenger and driver side

5 5/8” rear header depth

Marker light eyebrow

Premium Grade door with 2” nylon rollers

10” aluminum diamond plate front radius

5” radius aluminum corner castings

One piece aluminum roof panels

Anti-snag roof bows on 24” centers

ICC Bumper

Exterior lights meet FMVSS

Dome light with switch in body

10” deep ¾ drop step

LED Dome light up by bulkhead

Two (2) LED Lights one each side of the body towards rear just under the door height

when up

Two (2) rows of e-track all around body 18” and 48” off floor

Ten (10) sets of straps to be included 2” x 16’

Body length: 15’5” Exterior; 14’4” Interior usable space

Body height and width:

103.25” Outside height;

96.25” Inside height;

96” Outside width;

92.25” Inside width

Rear door opening: 88” Width; 91 3/8” Height

**LIFTGATE**

Maxon DMD 22

Two-piece platform with 12” Ramp: 54” (36+18) +12”

All-Aluminum platform with single cart stops

Platform Width: 90”

2,200 lb weight capacity

Twin cylinder lifting design, cables and chain liftgate operations not acceptable

Fully sealed switches and harnesses to help protect against corrosion

Hydraulic System: Two direct-acting lifting cylinders. The master cylinder drives

the second cylinder.

**ITEM #1 – MODEL YEAR 2021 OR NEWER, FORD E350 CUTAWAY WITH CARGO BODY AND LIFTGATE, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**LIFTGATE (Cont’d)**

The pump and motor assembly is housed within the liftgate’s main structural enclosure

Stop Tail Turn Reverse Light Set

Cab Cut Off Switch

Handheld Control

Street Side Control

Above Bed Travel

Platform Hydraulic Power Closure

**OPTIONS**

**1A. Diagnostic Tools / Test 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 2021 OR NEWER, FORD E350 CUTAWAY WITH CARGO BODY AND LIFTGATE, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1B. 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.

**1C. 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.

**1D. 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 2021 OR NEWER, FORD E350 CUTAWAY WITH CARGO BODY AND LIFTGATE, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1D. 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.

**ITEM #2 – MODEL YEAR 2022, OR NEWER, FORD TRANSIT CARGO VAN 250, AS SPECIFIED, OR EQUAL**

***Chassis Manufacturer/Model:*** Click or tap here to enter text.

***Liftgate Manufacturer/Model:*** Click or tap here to enter text.

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

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

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

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

**COMPLIANCE**

**YES NO**

**GENERAL**

Model year 2022, or newer, Ford Transit Cargo Van 250, 130” Wheelbase, Medium

Roof (100.8”) Height, Rear Wheel Drive

3.5L PFDI V6

10-speed Automatic Overdrive with Select Shift

Alternator – Heavy Duty 250 Amp

Single Battery 70 Amp Hours

Brakes – 4-wheel anti-lock disc brakes

Horn – Single note

Steering – Power Rack and Pinion, Tilt & Telescoping

Suspension, Front – Independent MacPherson-strut, stabilizer bar

Suspension, Rear – Leaf Springs, heavy duty gas shock absorbers

235/65R16C Steel Wheel with black hubcaps

Full Size Spare Tire & Wheel

Sliding Passenger side-door

Halogen Head lamps

Center High Mount Stop Light

Short-Arm, Power Adjusting Mirror, Manual Folding

Windshield Wipers – Automatic Rain Sensing

Air Conditioning – Front only

Radio – AM/FM stereo, Bluetooth, 4.0” Multifunction display and fender mounted

antenna

Cargo area tie down hooks (17P)

Medium Center Console with integrated shifter

Autolocking Drive Away with Crash Unlocking

Instrumentation – Tachometer, fuel level and coolant temperature

Front dome lamp with map lights and theater dimming

Partial Rear Compartment Lighting

Dark Palazzo Grey – Vinyl – 2 Passenger

Driver and Passenger side A-Pillar Grab Handle

Headliner – Cloth, Front only

Driver and Passenger air bags

**ITEM #2 – MODEL YEAR 2022, OR NEWER, FORD TRANSIT CARGO VAN 250, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**GENERAL (Cont’d)**

Safety Belts – 3 point all positions

Rearview camera with trailer hitch assist

Daytime Running Lights (942)

50/50 Hinged Rear Door, 180 degree opening

Power Point 12V

Fixed Rear-Door glass with fixed passenger-side cargo-door glass (17B)

Vinyl Floor Covering – Front

Front License Plate Bracket

Cruise Control (60C)

Back-up Alarm (43B)

**LIFTGATE**

Tommy Gate CVL-AF-1330 EF52, or equal

Application: Cargo Van

Capacity: 1330 lbs.

Platform Detail:

Aluminum, Two Piece, Laterally Folding,

Extruded Aluminum with 40” loading space

**Drive System:**

Direct Lift Hydraulic Cylinder

Direct Platform folding hydraulic cylinder

**Hydraulic System: Enclosed Unit:**

All critical components are factory enclosed in pump box of gate.

Easy access for servicing.

Pressure relief valve – prevents operator from overloading the platform.

Cylinder mounted flow control.

Valves – Prevents uncontrolled descent on platform.

**ELECTRICAL SYSTEM**

**Control Unit**

Moisture resistant toggle switch deactivates 90 seconds after last operation,

helps prevent unauthorized use, timer reset and on-off button permanently

and conveniently located on control unit and positioned under logo and

bullseye respectively.

**Circuit Breaker**

150 Amp continuous

3000 Amp interrupt

30 VDC

Watertight

Manual reset

Mounted in-line with 4 AWG positive battery cable, protects vehicle in the

event of an electrical short

**ITEM #2 – MODEL YEAR 2022, OR NEWER, FORD TRANSIT CARGO VAN 250, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**Power Ground Cable**

Factory supplies 4 AWG ground cable molded with power cable

Providing a direct connection from the liftgate to the truck battery

Insulation rated for -40 degrees C to 105°C

**Drive Train**

Parallel Arm Pins: ¾” OD and 1 ¼” OD hard chrome plated steel  
 Parallel Arm Pin Bushings: Self-lubricating composite

**Paint**

Color to be specified from standard color chart on purchase order at time of order

**Undercoating**

Entire Chassis and underside of cab to be coated with Tectyl 2423 or

Z Guard Product, or equal. This is a low VOC, high solids, emulsion corrosion

preventative coating.

**Warranty**

Bumper to Bumper: 3 years/36,000 miles

Vehicle equipment must be rustproofed and warrantied by the manufacturer

against rust for five (5)years or 50,000 miles, whichever comes last.

This equipment must also meet or exceed all applicable state, federal and

PEOSHA laws and regulations.

**OPTIONS:**

**2A:** **All Wheel Drive**

**2B:** **Audio Pack 28**

AM/FM Stereo, Bluetooth, audio input jack, Dual USB ports, Sync 3, and 8.0”

colored multifunction touch screen with navigation (584)

**2C.** **Running boards – Factory Installed (68H)**

**2D:** **Paint Color Not Found On Vehicle Special Order Paint Options (i.e.: W3029N)**

**2E:** **Metallic Paint Colors**

**2F:** **High Capacity Upfitter Switches (67C)**

Includes large center console (67E) and auxiliary fuse panel with high spec interface

connector ((87E) Package 87E is an auxiliary fuse panel with high spec interface

connector. Includes dual AGM batteries (63E) and modified vehicle wiring system (53K)

**2G. Vinyl Floor Covering, Front and Rear (16E)**

**ITEM #2 – MODEL YEAR 2022, OR NEWER, FORD TRANSIT CARGO VAN 250, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**2H. Diagnostic Tools / Test 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.

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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.

**2I. Two-Way Radio Power and Wiring Requirements for New Vehicles**

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the following power and wiring components shall be included:

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

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

grounded metal surfaces.

**ITEM #2 – MODEL YEAR 2022, OR NEWER, FORD TRANSIT CARGO VAN 250, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**2J. Installation of County Supplied Two Way Radio and Accessories**

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

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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.

**2K. 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.

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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:

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4. Brakes – 1 day at each location

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

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

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

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classes are scheduled.

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

proper coverage.

**ITEM #2 – MODEL YEAR 2022, OR NEWER, FORD TRANSIT CARGO VAN 250, AS SPECIFIED, OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**2K. Technical Support (Cont’d)**

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

maintenance facility location as scheduled by a Vehicle Services Department

representative:

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

at 1:30 pm)

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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.