**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. [ ]  [ ]

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. [ ]  [ ]

**2I. 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. [ ]  [ ]

**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.

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. [ ]  [ ]

**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. [ ]  [ ]

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 [ ]  [ ]

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. [ ]  [ ]

**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:

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. [ ]  [ ]