



Ocean County Board of Commissioners

OFFICE OF THE  
OCEAN COUNTY COMMISSIONERS

Director Barbara Jo Crea  
Deputy Director Gary Quinn  
Commissioner Virginia E. Haines  
Commissioner John P. Kelly  
Commissioner Frank Sadeghi

101 Hooper Avenue  
Toms River, New Jersey  
08754-2191  
(732)929-2005  
(732)505-1918

Board Meeting Agenda

Date: July 17, 2024 - 4:00 PM  
Location: Administration Building  
Room 119  
101 Hooper Avenue  
Toms River, NJ 08754

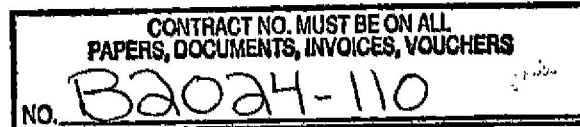
Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLE: TRUCK WITH ATTENUATOR PLATFORM to Gabrielli Kenilworth of NJ LLC, the lowest qualified bidder. (B2024-110)

Official Resolution#	2024001083						
Meeting Date	07/17/2024						
Introduced Date	07/17/2024						
Adopted Date	07/17/2024						
Agenda Item	m-7						
CAF #							
Purchase Req. #	B2024-110						
Result	Adopted						
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Crea	<				<		
Quinn	<		<		<		
Haines	<			<	<		
Kelly		<					
Sadeghi	<				<		

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board



## RESOLUTION

July 17, 2024

WHEREAS, on June 18, 2024, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLE: TRUCK WITH ATTENUATOR PLATFORM for the County of Ocean; and

WHEREAS, at the advertised time, responses were received from the following bidders:

Name and Address of Bidder

Gabrielli Kenworth of NJ LLC  
2306 US Highway 130 N  
Dayton, NJ 08810  
(210) 641-4440 Ext 6527

Name and Address of Bidder

Robert H. Hoover & Sons, Inc.  
149 Gold Mine Road  
Flanders, NJ 07836  
(973) 347-4210

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the lowest qualified bid, according to specifications, namely that of, GABRIELLI KENWORTH OF NJ LLC be accepted.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY, as follows:

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract for the furnishing and delivery of Motor Vehicle: Truck with Attenuator Platform for the County of Ocean, for the contract period from date of award through July 16, 2025, a period of one (1) year or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15.

A. GABRIELLI KENWORTH OF NJ LLC for eight (8) items, to wit:

ITEM NOS. 1, 1a, 1b, 1c, 1d, 1e, 1f and 1g.

For a Total Lump Sum Award (Item #'s 1 - 1g) of \$499,553.78.

This vendor has extended this contract to County Cooperative Contract System Participants.

2. Payments for the equipment and services to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. Funds for the equipment and services shall be available within the following funding Sources: Engineering Department O.E.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2024-110.

BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Engineering Department and Gabrielli Kenworth of NJ LLC, the successful bidder.

## [GABRIELLI KENWORTH OF NJ LLC] RESPONSE DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLE: TRUCK WITH ATTENUATOR PLATFORM

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Confirmed

## PRICE TABLES

## MOTOR VEHICLE: TRUCK WITH ATTENUATOR PLATFORM

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Year/Mfr./Make/Model:	Warranty:	Delivery, A.R.O.:	Comments:
✓ 1	Current Model Year, or Newer, Heavy Duty Truck Cab and Chassis with Attenuator Platform, As Specified, or Equal	2	EA	\$209,221.39	\$418,442.78	2025/ Kenworth	Includes as per specifications	270 upon recite of PO	
OPTIONS									
✓ 1a	TMA Upfit - Sign Shop Package, As Specified	2	EA	-\$7,226.00	-\$14,452.00				
✓ 1b	Upgraded LED Strobe Lighting, As Specified	2	EA	\$2,584.00	\$5,168.00				
✓ 1c	Road Department Color Scheme, As Specified	2	EA	\$2,280.00	\$4,560.00				



## [GABRIELLI KENWORTH OF NJ LLC] RESPONSE DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLE: TRUCK WITH ATTENUATOR PLATFORM

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Year/Mfr./Make/Model:	Warranty:	Delivery, A.R.O.:	Comments:
✓ 1d	Diagnostic Tools/Test Equipment, As Specified	3	SET	\$9,345.00	\$28,035.00				
✓ 1e	Two-Way Radio Power and Wiring Requirements for County Vehicles, As Specified	2	EA	\$0.00	\$0.00				
✓ 1f	Installation of County Supplied Two Way Radio Requirements, As Specified	2	EA	\$2,350.00	\$4,700.00				
✓ 1g	Technical Support, As Specified	180	EA	\$295.00	\$53,100.00				
TOTAL					\$499,553.78				

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Chassis</u></b>		
Freightliner M2-106, or Kenworth T280, as specified or equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>General</u></b>		
Set back axle truck package with a minimum bumper-to-back-of-cab measurement of 106"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab to Body Clearance: 3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front Axle Capacity: 10,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Axle Capacity: 16,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Expected GVWR Capacity: 26,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Engine</u></b>		
Cummins 6.7B, minimum 260 hp at 2300 rpm and 660 lb. - ft. torque at 1600 rpm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall be in line 6 cylinder of parent bore design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum displacement 6.7 liters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Must comply with latest Federal Mandate for Diesel Emission	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Must have latest Clean Idle Emissions certification label on left-hand door	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine mounted oil check/fill	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Side of hood air intake with firewall mounted Donaldson Air Cleaner Assembly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alternator: 160 Amp DR 28 SI with remote battery volt sense	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Batteries: Two (2) 12-Volt GNB Maintenance-Free 2250 CCA	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Positive load disconnect switch with control mounted next to driver's seat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery Box: Frame-Mounted left side under cab with jump start studs on frame next to starter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Compressor: 18.7 cfm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Discharge Line: Teflon	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Protection: Electronic engine-integral warning system with shut down function	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 17, 2024		
Adopted on: July 17, 2024		
Official Resolution#: 2024001083		

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b>COMPLIANCE</b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Engine (Cont'd)</u></b>		
Engine Brake: Cummins Exhaust brake with on/off dash switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exhaust: Single right-hand under cab ATD with bright finish 10' vertical pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exhaust Shield: Stainless Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fan Drive: Horton frontal air on/off type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fuel Filter: Omit primary in lieu of fuel/water separator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil Filter: Full Flow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiator: 700 in <sup>2</sup> minimum with drain valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Duty Coolant: -34 long life with coolant filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coolant Hoses: Gates Blue-Stripe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Constant Torque Clamps: Constant torque for coolant hoses 1-3" diameter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Heater: Phillips 750W/115V	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chrome Heater receptacle mounted under driver's door	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air intake warmer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Starter: Mitsubishi, or equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Transmission and Equipment</u></b>		
Allison World RDS 2,500 six-speed electronic automatic with PTO provision	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Six (6) forward gears and one (1) reverse gear	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Six-speed transmission programming	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vehicle interface wiring with body builder connector back of cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Magnetic transmission drain plug	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmission and rear axle fill and drain plugs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electronic transmission customer access connector firewall mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Transmission and Equipment (Cont'd)</u></b>		
Trans oil check and fill with electronic oil level check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PTO mounting left hand side of transmission	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Front Axle and Equipment</u></b>		
Detroit, Dana or Meritor minimum capacity of 10,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front Brakes: Meritor or equal cam 15" X 5" Q+ cast spider with dust shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front Brake Linings: Non-Asbestos	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front Brake Drums: Conmet outboard-mounted cast iron	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front oil seals with 75W-90 Synthetic Lube	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vented front hub caps with window and side plug	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front slack adjusters: Meritor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power steering pump: Shepherd. or equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power steering reservoir: 2 quart clear reservoir	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Suspension bushings: maintenance free rubber bushings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front Suspension: Taper-leaf springs rated at 12,000 lbs. minimum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front Shock Absorbers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Rear Axle and Equipment</u></b>		
Dana or Meritor, or equal; 16,000 lb. minimum capacity rating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Axle Ratio: 6.14	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Iron Rear Axle carrier housing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Main Driveline: Meritor 17T extended lube with half round yokes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lubrication: synthetic based lubricant TES-295 in transmission and 75W-90 in axles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Brakes: Meritor, or equal cam 16.5" X 7" Q+ cast spider heavy duty with dust shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 17, 2024		
Adopted on: July 17, 2024		
Official Resolution#: 2024001083		

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Rear Axle and Equipment (Cont'd)</u></b>		
Rear Axle Brake Linings: non-asbestos	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Brake Drums: Conmet outboard-mounted cast iron	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Axle Oil Seals with 75W-90 synthetic lube	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parking brake chambers: Wabco Tri-Stop D longstroke forward mounted on drive axle, or equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Axle Slack Adjusters: Meritor Automatic or Bendix	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Suspension: 16,000 lb. vari-rate multi leaf or taperleaf	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Brake System Equipment</u></b>		
Full Air Brake Package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Anti-Lock Brake System: Wabco, or equal, Four-Channel, 4-Sensor/4 Modulator, without traction control enhancement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chassis Airlines: Reinforced nylon, fabric braid and wire braid depending on location	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brake relay valve with 5-8 psi crack pressure	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wabco SS-1200 or Bendix heated air dryer mounted on frame or under hood	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aluminum Air Reservoir	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pull cables on all air tank drain valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quick disconnect fitting with 40' of 200 psi hose for tire inflation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Frame and Wheelbase</u></b>		
Wheelbase: 204"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab-to-Axle: 138"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frame: Single 2,592,000 RBM, 7/16" X 3 9/16" X 11 1/8" heat treated steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
120,000 psi yield strength minimum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear overhang: 90" or adequate amount to allow body installer to cut any excess back to a custom measurement for installation of body. No body installations requiring the addition of rear frame beyond factory standard shall be accepted. Bidder shall provide underframe from dock height and dock height with body mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 17, 2024  
Adopted on: July 17, 2024



**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Frame and Wheelbase (Cont'd)</u></b>		
Square-cut end of frame	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear suspension cross member: standard heavy-duty C-Channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Chassis Equipment</u></b>		
Fender and front of hood mounted front mud flaps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front two (2) hooks frame mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front license plate bracket included	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy duty steel bumper	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Grade 8 threaded hex chassis fasteners	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Fuel Tanks and Equipment</u></b>		
Left hand fuel tank, 50-gallon, short must be constructed of aluminum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rectangular Fuel Tank forward mounted under cab with standard, non-locking tank cap	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plain fuel tank and band finish	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fuel/Water Separator: 12 volt pre heater with heated bowl. Water in Fuel Sensor and primer pump	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equiflo inboard fuel supply and return system to maintain constant fuel temperature with fuel cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nylon fuel hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Front Tires, Hubs and Wheels</u></b>		
Michelin XZE 11R22.5 14 Ply	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conmet Iron Front Hubs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accuride 28828 2-hand 10-bolt hub-pilot 22.5" X 8.25" steel disc wheels in white	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front Wheel Nuts Metform 1.30" Hub-pilot	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Loose lug nut indicators; green high visibility	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Rear Tires, Hubs and Wheels</u></b>		
Michelin XDN2 11R22.5 14 Ply	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conmet Iron Front Hubs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accuride 28828 2-hand 10-bolt hub-pilot 22.5" X 8.25" steel disc wheels in white	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rear Wheel Nuts Metform 1.30" Hub-pilot with flat flange	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Cab Exterior</u></b>		
106" BBC conventional aluminum cab with one-piece 2,500 sq. in. windshield	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjustable doors with concealed hinges, flush paddle-type door handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fiberglass hood and split fenders with splash shields that lift away from the engine compartment when hood is tilted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Entry and egress shall be made via a 3-point system consisting of self-cleaning non-slip steps and a minimum of two (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	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steps shall be a minimum of 4" wide and the grab handles must be large enough to be safely grasped by someone wearing heavy-duty work gloves	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total cab dimensions shall not be less than 80.75" wide outside and 56.5" from floor to roof inside	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cabs with raised or bubble roofs are <b>not acceptable</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Left and right doors with 70° door stop	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Cab mounts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Left and right cab mounted grab handles with rubber insert	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stationary grille molded in color with non-removable bug screen	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fiberglass hood	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tunnel/Firewall liner	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exterior composite sun visor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single under deck air horn	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single horn shields	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Cab Exterior (Cont'd)</u></b>		
Dual electronic horns	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Six (6) sets of keys for all locks; all locks keyed the same	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Single halogen headlights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aerodynamic LED marker lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LED stop/tail/turn lamps at end of frame	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One set of turn signals mounted in headlight cluster	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Primary Mirrors: Dual west coast bright finish with left hand and right hand remote with heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mirror Mounting: mirrors mounted on doors with right hand lower door Fresnel lens	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mirror Width: 102"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auxiliary mirrors: 8" convex bright finish mounted under primary mirrors on both sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hood mounted left hand and right hand 8" tripod stainless steel auxiliary mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tinted 63" X 14" rear safety glass window	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tinted with lowered bottom beltline door windows for increased sideward visibility and operating wing windows on left hand and right hand side	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Left hand and right hand electric door window regulators	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tinted and heated windshield glass	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8 liter windshield washer reservoir with fluid level indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Cab Interior</u></b>		
Two (2) cup holders, left/right dash mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ash tray and lighter dash mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior convenience package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Upper door trim: Left and right molded door panels with lower aluminum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lower door trim: Left and right molded door panels with lower aluminum	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Cab Interior (Cont'd)</u></b>		
Map pockets: Forward roof mounted console with upper storage compartments, and center compartment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dash mounted 12 Volt power supply	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smart switch expansion module	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air conditioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Main heater/vent control: Main HVAC with recirculation switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HVAC ducting with snow shield for fresh air intake	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heater plumbing: standard without shut off valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A/C Compressor shall be compact HD	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A/C Condenser shall be radiator mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A/C Plumbing; binary control with R134A refrigerant	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Premium cab insulation package	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12 Volt negative ground electrical system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior lights: shall be center-mounted dome light and cab entry courtesy lamps mounted in door kick panels, forward roof mounted console	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cab door locks shall be electric and on both left hand and right hand sides	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Premium high back air-suspension driver's seat with three (3) chamber air lumbar support, integrated cushion extension, forward and rear cushion tilt adjustable shock absorber and dual arm rests	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) person passenger seat with tool box	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vinyl driver's seat cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Seat belts: 3-point adjustable d-ring retractor for outboard seating positions, 2-point center	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tilt and telescopic steering column	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18" four-spoke steering wheel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard driver's and passengers' interior sun visors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First aid kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 lb. Fire Extinguisher	<input checked="" type="checkbox"/>	<input type="checkbox"/>



**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Cab Interior (Cont'd)</u></b>		
Triangular Reflector Kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Instrument Panel and Controls</u></b>		
Electronic gauge package with gauges finished in black	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Woodgrain flat gauge insert area for the drive instrument panel and dash center panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low air pressure warning shall be light and buzzer type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2" primary and secondary air system pressure gauges	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air restriction indicator shall be intake mounted with graduations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cruise control shall be left-hand dash mounted switch panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Starter control shall be key controlled NO push button	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Driver information center shall include LCD odometer, trip odometer, hour meter, voltmeter, and diagnostic indicator in combination with 28 LED warning lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Diagnostic interface connector shall include 9-pin SAE J1587/1708/1939 located below dash	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fuel level gauge shall be electric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coolant temperature gauge shall be electric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine oil pressure gauge shall be electric	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmission temperature and engine oil temp gauges	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hour meter shall be integral with drive display	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radio shall be AM/FM WB CD Stereo Bluetooth enabled with microphone, USB and front and rear AUX inputs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radio shall have two (2) speakers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power and ground studs mounted on overhead console	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radio antenna shall be roof mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Speedometer shall be electronic, MPH scale	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tachometer shall be electronic 3,000 RPM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Digital voltage display shall be integral with drive display	<input checked="" type="checkbox"/>	<input type="checkbox"/>



**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

<b>COMPLIANCE</b>	
<b><u>YES</u></b>	<b><u>NO</u></b>

**Instrument Panel and Controls (Cont'd)**

Windshield wiper control shall be electric two-speed with variable intermittent settings, switch mounted on turn signal stalk with washer/wiper and hazard in handle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Marker light switch integral with headlight switch and terminals for customer furnished snow plow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Lights with control modules low beams off with high beams	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Minimum of five (5) extra switches on dash wire routed to back of cab with indicator lights 20 amps per circuit/1 at 30 amps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Parking brake system shall include 1-valve system with warning indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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<b>NO</b> trailer hand control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Turn signal switch shall be self-canceling with brake overriding stop lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Backup alarm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**Paint**

One color solid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Color: School Bus Yellow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Standard design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Black polyurethane chassis color	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Black bumper	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Front and rear wheel color shall be white	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Undercoat entire, truck, chassis and body	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**Extended Warranty**

5 Year/100,000 Mile Engine Warranty shall include turbo and injectors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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5 Year/100,000 Mile After-Treatment System Warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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7 Year Transmission Warranty	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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5 Year Towing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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7 Year/200,000 Mile Extended Truck Coverage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Accessories</u></b>		
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) spare front tire and white rim, mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) spare rear tire and white rim, mounted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Gallons of approved use hydraulic fluid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) complete sets of Chassis Manufacturers' mechanics' "shop", service and troubleshooting manuals for chassis, engine, transmission, optional equipment, mounted equipment, final drives and accessories, including hydraulics and wiring diagrams. Service manuals must be of softbound book type or CD ROM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) complete sets of Chassis Manufacturer's "shop" parts manuals for chassis and final drives, optional equipment, mounted equipment and accessories, including wiring diagrams. Parts manuals must be of softbound book type or CD ROM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) set of Manufacturer's Line Setting Sheets for Chassis, mounted equipment and optional equipment per vehicle ordered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Royal TMA3 Package Specifications, or Equal</u></b>		
All specifications listed below shall be considered "or equivalent". In any circumstance where the specification is not met and an equivalent is being offered, the bidder shall specify what is being offered and how it is equivalent or superior to these specifications. Failure to explain any variations from the bid specifications shall be cause for rejection of the bid as non-responsive. The brand of equipment specified for the intended application has been selected by Ocean County for standards of reliability, safety, and performance.		
<b><u>General</u></b>		
Custom built 18' steel flatbed with heavy duty bulkhead, LED marker lights and black non-skid deck	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) low profile amber LED strobes on bulkhead, two (2) rear mounted strobes, truck mounted attenuator that meets NCHRP350 at 100 KPH (62 MPH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fifteen (15) LED lamp arrow board hydraulically raised and lowered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Solar panel charging system with battery cab mounted remote (solar for arrow board only)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Back up camera with 7" LCD monitor with three (3) inputs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Introduced on: July 17, 2024 Adopted on: July 17, 2024 Warranty on both the camera and cables	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Introduced on: July 17, 2024  
Adopted on: July 17, 2024  
Warranty on both the camera and cables

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

	<b><u>COMPLIANCE</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>
<b><u>Royal TMA3 Package Specifications, or Equal (Cont'd)</u></b>		
<b><u>General (Cont'd)</u></b>		
Two (2) 33" wide man buckets with steps, heavy duty lids, swing gates, props and adjustable safety hoop	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Eight (8) additional LED work lights, six (6) under bed, two (2) on bulkhead	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custom fabricated 36" high removable racks, powder coated yellow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Body</u></b>		
Heavy duty custom built steel flatbed body 18' long with 54" high bulkhead	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LED marker lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Center compartment for addition of concrete ballast to weigh and balance axles based on NCHRP Report 350	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Painted black with non-skid on deck	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Weather tight electrical junction box and backup safety alarm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Strobe Lighting</u></b>		
Two (2) low-profile amber LED strobes mounted to corners of bulkhead and two (2) rear mounted amber LED strobe lights wired to OEM switch on dashboard	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Eight (8) LED adjustable work lights, Three (3) each evenly spaced on driver and passenger side of flatbed and two (2) mounted to top of bulkhead controlled by OEM switches on dash	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Man Buckets</u></b>		
Install two (2) 33" wide single man buckets. One (1) shall be on the driver's side and one (1) shall be on the passenger side of the body with steps, heavy duty lids, props, and sliding safety rails	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shall also come with swing gates in the body racks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b><u>Attenuator Specifications</u></b>		
Traffix Scorpion Model C, or equal shall be installed on chassis with control located in cab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TL-3 Device that is 100 KPH (62 MPH) Truck Mounted Attenuator with hydraulic motor cylinders and supports TMA unit, one (1) mounting plate, hard wired from battery with fuse and power switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Strut section in addition to TL-2 cartridge section	<input checked="" type="checkbox"/>	<input type="checkbox"/>



**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)****COMPLIANCE**  
**YES**      **NO****Attenuator Specifications (Cont'd)**

Rear cartridge section has hinged hydraulic coupling with fluid on both sides of the cylinders and solenoid valve lockouts

☒☐

Rear cartridge can be raised to 90° where a scissor lock engages to lock the cartridge in position

☒☐

Operator's switch has an up and down button where the down button releases the lockout and lowers the cartridge. Release of the button at any time will stop the cartridge at that angle

☒☐

Uses a 90° hydraulic tilt attached to the strut allowing the system to raise the strut to the vertical position with the cartridge in a horizontal position over the top of the truck for the normal transport mode

☒☐

A steel back-up is attached to the rear of the truck with an all steel support structure

☒☐

All aluminum tube frame extends out 13' from the back-up

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Inside the tube frame shall be a series of four (4) aluminum boxes filled with energy absorbing aluminum honeycomb

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Back-up support shall be comprised of all steel angles, plates and c-channels welded using wire feed mig welding

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Tube frame construction uses all aluminum tube and plate construction welded using wire feed mig welding on both sides of the tube/plate interface

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Aluminum boxes shall use closed end sealing rivets for joining the sheet metal

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Aluminum honeycomb shall be joined to the aluminum face sheets using oven cured epoxy resin

☒☐

Aluminum tubing shall be 6063 Aluminum T4

☒☐

Aluminum plate shall be 5052 Aluminum 0.250"

☒☐

Aluminum sheet shall be 5052 Aluminum 0.062"

☒☐

Aluminum honeycomb shall be commercial grade 1" and ½" cell size

☒☐

Aluminum rivets 3/16"

☒☐Introduced on: July 17, 2024  
Sealed back up bolts 1 1/2" and 3/4" bolts grade #5  
Official Resolution#: 2024001083☒☐

**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

<b><u>COMPLIANCE</u></b>	
<b><u>YES</u></b>	<b><u>NO</u></b>

**Arrow Board**

New 15-Lamp All LED Arrow Board on vertical telescopic mount, hydraulically raised and lowered, solar panel charging system with dedicated battery and cab mounted control

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Install telescoping arrow board at rear of body mounted to deck and install solar panel to bulkhead

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Arrow lift control shall be located in cab

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**Backup Camera System**

7" LCD Monitor with audio and 3 video inputs, 420TVL Sony camera with audio

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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18 IR illumination IP69K rated, 600TVL Hi-Res Sony camera with audio 28IR Illumination, with cables

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Install rear facing camera and monitor to TMA truck

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Shall have a 1 year warranty

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**Racks**

Custom fabricate 36" high removable racks, powder coated yellow with swing gates for access to man buckets

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**Over Cab Barrel Racks**

Custom fabricated steel tubing barrel rack capable of holding up to 60 standard barrels to free up valuable deck allowing easier transport of equipment

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Requires 10,000 lb front axle and heavy duty front bumper

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**Sign Cage**

4' X 8' sign cage to fit under folded attenuator at rear of body mounted just forward of arrow board cage to have two (2) yellow lockable doors on driver and passenger side to store signs, sign holder and equipment

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**OPTIONS:****1A. TMA Upfit - Sign Shop Package**

Standard TMA Upfit Package but shall not include the optional over-cab barrel rack and the optional rear deck-mounted sign cage. Additional Components for this package shall include:

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Two (2) storage cabinets (one (1) on each side), mounted aft of the bulkhead

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Compartment size: 24" D X 24" W X 72" H; shall have anti-rust coating applied to the bottom floor and top section to inhibit corrosion.

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Introduced on: July 17, 2024

Adopted on: July 17, 2024

Storage cabinets shall include Dry-Deck matting on the floor

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

<b><u>COMPLIANCE</u></b>	
<b><u>YES</u></b>	<b><u>NO</u></b>

**OPTIONS (Cont'd)****1B. Upgraded LED Strobe Lighting**

Sound Off, or equal:

7x3 Mpower Fascia Light, single color – Amber, front Grille (2)

ECE-R65, Certified 10-30v, 9 LED, single color, Amber, rear warning (6)

ECE-R65 Certified 10-30v, 9 LED, single Color, Amber, Side Warning (6)

SO gride Light Beacon with steel case (2)

☒☐**1C. Road Department Paint Color Scheme**

School Bus Yellow from the bottom of the windows down. Bahama Blue from the bottom of the windows up to and including cab roof and back, on hood from bottom of windshield to a point on the hood to make a "V" and match the Road Department fleet. Shall be base coat clear coat. (Note: Not all Vehicles will be painted this way)

☒☐**1D. Diagnostic Tools / Test Equipment**

1. Successful bidder may be required to supply between one (1) to three (3) complete sets of 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).
2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software.
3. Provide a list of all test/diagnostic/programming equipment and special tools being supplied at the time of bid.
4. All software installations and activations will be completed by the successful bidder at no cost to the County.
5. 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.
6. 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.
7. Training shall be provided on all items in this section at a County location.

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**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

<b>COMPLIANCE</b>	
<b>YES</b>	<b>NO</b>

**OPTIONS (Cont'd)****1E. 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:

- #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
- #12 AWG BLACK wire connected to chassis ground.
- #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.

☒☐**1F. 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:

- #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
- #12 AWG BLACK wire connected to chassis ground.
- #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.

☒☐**1G. 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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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.

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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

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**ITEM #1 – CURRENT MODEL YEAR OR NEWER, HEAVY DUTY TRUCK CAB AND CHASSIS WITH ATTENUATOR PLATFORM, AS SPECIFIED, OR EQUAL (CONT'D)**

**COMPLIANCE**  
**YES NO**

**OPTIONS (Cont'd)**

**1G. 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.

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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.

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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.

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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

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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.

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Training at the successful bidder's site, rather than the designated locations, will be by mutual consent only.

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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.

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