City of Bristol, Connecticut
Invitation to Bid 2027-027
Attachment A
Chassis Specifications

General Requirements

Item	*Description*	*Yes*	*No*	*Execption*
Refuse truck cab:	single right-hand drive, AutoCar ACX64			
Automated refuse body:	33-yard, Labrie			
Front GAWR:	20,000 LBS			
Rear GAWR:	46,000 LBS			
Overall GVWR:	66,000 LBS			
Rear suspension:	standard, beam type			
Cab color:	School Bus Yellow 4320			
Chassis color:	black			
Rust protection:	frame, under cab, Zee Bart			

Engine

Item	*Description*	*Yes*	*No*	*Execption*
Engine:	X12, 350HP 2000 RPM / 1,350 LB-FT, Cummins			
Certification:	complying with current US emissions, MY 2026 ENGINE			
Fuel type:	ultra-low sulfur diesel fuel, alternates will not be considered			
PTO Adapter:	front engine			
C Brake:	two(2) position for X12 engine, Jacobs			
Fuel Filter:	w/o 12V heat, w/H2O probe, chassis mounted, Davco 386			
Engine block heater:	120V, 1500W			
Heater receptacle:	located at the cab steps, right-hand side			
Engine fan:	two-speed			
Radiator surge tank:	standard			
Muffler system:	left hand, w DPF & SCR exhaust shields			
Exhaust stack:	w/turn out, stainless steel			
Turbo/exhaust pipe debris shield:	aluminum			
Compressor:	25.9 CFM , Cummins Wabco			
Starter:	12V 39 MT w/OCP, Delco Remy			
Alternator:	36SI 12V 160-Amp, Delco Remy			

Front Axle

Item	*Description*	*Yes*	*No*	*Execption*
Front axle:	20,000 Lb. capacity, Hendrickson			
Suspension:	20,000 spring clamp group (requires validation timing), Hendrickson			
Aux. suspension:	Front aux load cushion			
Shock absorbers:	heavy duty, double-acting single			
Refuse Brake:	16.5X7" QP with automatic slack adjusters, Meritor			

Rear Axle

Item	*Description*	*Yes*	*No*	*Execption*
Rear axle:	26,000 LB capacity, Meritor RT46-160			
Rear drive axle ratio:	5:38			
Suspension:	at 54"AS, steel rubber-bushed suspension beams, Hendrickson HMX-EX-460			
Refuse brake:	16.5X8.62" QP, automatic tandem axle slack adjusters, Meritor			

Transmission

Item	*Description*	*Yes*	*No*	*Execption*
6-Speed for RDS refuse:	pushbutton controls, Allison 4500 series			
Control Module:	refuse w/auto-neutral, service brake, VP170			
Driveshaft:	1810HD half-round, Spicer			

Brakes

Item	*Description*	*Yes*	*No*	*Execption*
ABS:	4S/4M w/PLC, Meritor Wabco			

Chassis

Item	*Description*	*Yes*	*No*	*Execption*
Wheel base:	222 inch			
Step-cab access:	cab mounted			
Side mirrors:	dual, heated, west coast			
Auxiliary convex mirror:	8", high mount			
Cab tilt mechanism:	hydraulic			
Air horn:	twin mounted under cab			
Electric horn:	single, electric			
Bug screen:	mounted behind grille			

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Cab

Item	*Description*	*Yes*	*No*	*Execption*
Configuration:	cab-over. **Low entry cab height confg. will not be considered.**			
Seats (both driver and passenger):	air ride, air lumbar, Sears C-2 Plus			
Seat belts:	standard 3-point retractable w/o comfort latch			
Steering wheel:	16" diameter, two-spoke on tilt, telescopic steering column			
Center console:	standard			
Rear console:	w/wire frame storage container			
Cab doors:	two(2) solid steel doors. **Foldable confg. will not be considered.**			
Climate control:	Heat/AC with heater/defroster, std. AC condenser, radiator mounted			
Gauges & instrumentation:	standard, incl tachometer, hour meter, fuel level			
Headlamps:	LED			
Front turn signals:	LED			
Roof marker lamps:	amber, LED			
Daytime running lamps:	standard			
Radio:	AM/FM/USB/Bluetooth with roof-mounted antenna			
Speakers:	two (2) dual-cone			
Storage compartment:	empty, under seat			
Keys:	Two (2) set, door & ignition same			

Tires, Front

Item	*Description*	*Yes*	*No*	*Execption*
Tires:	M870 315/80R 22.5L, Bridgestone			
Wheels:	steel, 22.5X9.0", 5.25" inset, Hayes			

Tires, Rear

Item	*Description*	*Yes*	*No*	*Execption*
Tires:	M853 11R22.5H, Bridgestone			
Wheels:	steel, 22.5X8.25", 6.2" inset, Hayes			

Warranty

Item	*Description*	*Yes*	*No*	*Execption*
Chassis warranty:	All components of the chassis, including engine, engine equipment, transmission, drive train, rear end, etc. shall have a **five-year unconditional warranty** including all parts and labor; and the awarded bidder shall be able to provide **local warranty service**, within a 50-mile radius of the City for the duration of the warranty.			

Manuals, Diagrams, and Diagnostic Software

Item	*Description*	*Yes*	*No*	*Execption*
Parts manual:	full set, supplied in digital format			
Service manual:	full set, supplied in digital format			
Repair manual:	full set, supplied in digital format			
Operator's manual:	full set, supplied in digital format			
Wiring diagrams:	full set, supplied in printed format			
Hydraulic diagrams:	full set, supplied in printed format			
Chassis diagnostic software:	full set, supplied on CD.			
Body diagnostic software:	full set, supplied on CD.			
Tranmission diagnostic software:	full set, supplied on CD.			
Engine diagnostic software:	full set, supplied on CD, Cummins Insight Light			
Manufacturer updates:	to be supplied when made available by said mfr., free of charge			
Engine monitoring diagnostic service:	w/real-time code analysis and email notifications, Smart LINQ			

Radio Equipment

Item	*Description*	*Yes*	*No*	*Execption*
Radio:	APX4500 7/800 M22URS9PW1 N - **including all features listed below**			
Trunking baud:	QA02756 3600 or 9600			
Advanced system key hardware	AQ01648			
Operation:	GA00580 TDMA			
Control head:	Grey, GA00804 APX 02			
Control head software:	G444 APX			
Remote mount:	G67, 02 WWM			
Palm microphone:	W22			
Service plan:	three year service plan, G24			

Please Note: Radio equipment defined above is as specified and included in new radio system deployment by Motorola and its subcontractor Northeastern Communications; radio equipment provided with this vehicle shall match equipment as currently scheduled for deployment in City vehicles.