



State Price Quote Specification
TYPE A—ELECTRIC
Use this document to bid both non-lift and lift buses.

Vendor: RWC Group

Mfr.: Collins

ITEM	STATE-SUPPORTED SPECIFICATIONS Vendor must meet or exceed these specifications. Item bid shall be specified in column to right.	VENDOR SPECIFICALLY IDENTIFY ITEM BID Price of items bid will establish the state cost.
Seating Capacity	Maximum passenger capacity based upon an average center-to-center seat spacing of at least 27.5" with a lap-shoulder belt for each seating position.	Capacity w/o lift <u>21</u> Capacity w/lift <u>18+1</u>
Axle—Front	Manufacturer's recommendation.	Mfr. <u>Ford Motor Company</u> Capacity <u>5,000</u>
Axle—Rear	Manufacturer's recommendation.	Mfr. <u>Ford Motor Company</u> Capacity <u>9,600</u>
Axle Ratio	Must comply with power and gradeability formula. Refer to Washington State School Bus Specifications Manual.	Mfr. <u>Ford Motor Company</u> Capacity <u>4.56:1</u>
Back-up Lights	All required backup lights to be LED (Light Emitting Diode). Refer to Washington State School Bus Specification's Manual.	Round: <input checked="" type="checkbox"/> Diameter <u>4 Inch</u> Other: <input type="checkbox"/> Square inches _____
Battery(ies) Low Voltage	535 CCA 12 volt minimum w/o lift. 1070 CCA 12 volt minimum w/lift.	Number of batteries <u>1</u> CCA <u>950</u>
Battery(ies) Propulsion	Battery propulsion must meet a minimum of 80 kWh.	Number of batteries <u>3</u> kWh <u>127</u>

		PART I (cont.)	
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Brakes	Hydraulic: Drum or Disc. Refer to Washington State School Bus Specifications Manual.	Disc Front <input checked="" type="checkbox"/> Rear <input checked="" type="checkbox"/> Drum Front <input type="checkbox"/> Rear <input type="checkbox"/> Size Front <u>13.58</u> Rear <u>13.58</u>
Doors, Service	Power operated.	<input type="checkbox"/> Air <input type="checkbox"/> Folding <input checked="" type="checkbox"/> Electric <input checked="" type="checkbox"/> Split, Outward Opening <input type="checkbox"/> Other _____
Heaters	Front—manufacturer's standard. Rear—40,000 B.T.U. minimum.	Front B.T.U. <u>22K</u> Rear B.T.U. <u>60K</u> Total B.T.U. <u>80K</u>
Lights	LED (Light Emitting Diode). Includes Clearance Lights, Stop Lights—7", Tail Lights, Turn Signals, Eight-Light System, and Dome-Light System.	Check if as specified <input checked="" type="checkbox"/> If not, explain _____
Motor	160 H.P. minimum.	Engine Mfr. <u>Parker Hannifin</u> Model <u>GVM310-250</u> Net torque <u>1190</u> @ <u>2200</u> R.P.M. Net H.P. <u>394</u> @ <u>3100</u> R.P.M.
P.A. System	AM/FM/PA radio with 2 interior and 1 exterior speakers.	Mfr. <u>Jensen</u> Model No. <u>JCV1640BT</u>
Seat Spacing	To permit specified passenger capacity based on an average center-to-center seat spacing of at least 27.5".	Inside measurement from rear of stepwell to appropriate point at rear of passenger seating area: w/o lift <u>184</u> w/lift <u>184</u> Mfg.'s C/C seat measurement of vehicle (inches): w/o lift <u>28</u> w/lift <u>26</u>

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Steering Wheel	Tilt.	Check if as specified <input checked="" type="checkbox"/>
Step Tread	Studded or pebbled top tread covering.	Mfr. <u>Koroseal</u>
Tires	6 first quality, radial ply.	Mfr. <u>Hankook</u> Size <u>LT225-75R16E</u> Load range <u>E</u>
Toolbox	Exterior, manufacturer standard.	Size (cubic feet) <u>N/A</u>
Two-way Communications	45-watt, VHF, mil. spec.	Mfr. <u>ICOM</u> Model No. <u>F-5011</u>
Wheels	6 to be compatible with tire size.	Size <u>16</u> Rim width <u>6.5</u>
SPECIAL NEEDS REQUIREMENTS—CHASSIS AND BODY		
Wheelchair Lift—Installed	Must meet state specification. Platform shall be a minimum of 32" x 52".	Mfr. <u>Braun</u> Model No. <u>NCL917IB</u>
Wheelchair/Occupant Tie-down System—Installed	Must meet state specification.	Mfr. <u>Q-Straint</u> Model No. <u>Q-8100-A1</u>

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ADDITIONAL REQUIREMENTS—CHASSIS AND BODY		
Line Setting Ticket	Legible copy of manufacturer's Line Setting Ticket will be delivered with each vendor's packet at the time of delivery.	Check if as specified <input checked="" type="checkbox"/>
Owner's/Operator's Handbook	One copy of the chassis manufacturer's owner's/operator's handbook or manual will be furnished with each bus at delivery.	Check if as specified <input checked="" type="checkbox"/>
Repair Manuals	A complete set of chassis, engine, transmission, and body repair manuals, including wiring diagram for all components, will be made available at time of delivery, with instructions available on accessing repair materials.	Check if as specified <input checked="" type="checkbox"/>
Service and Cleaning	Cleaning and service by vendor prior to delivery will include: <ul style="list-style-type: none"> • Chassis lubrication. • Check fluid levels: verify all are at recommended full levels. • Cooling system protected at -20°F. • Interior and exterior will be clean (including glass). • All systems (electric, air, hydraulic, mechanical and manual) be inspected to ensure proper operation at time of delivery. • All components and accessories will be installed and operational at time of delivery. 	Check if as specified <input checked="" type="checkbox"/>
Warranty	A complete copy of all warranty agreements will be furnished at time of delivery.	Check if as specified <input checked="" type="checkbox"/>



Washington Office of Superintendent of
PUBLIC INSTRUCTION
2022-2023

STUDENT TRANSPORTATION
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(360) 725-6120 TTY (360) 664-3631

**VEHICLE DATA SHEET AND OFFICIAL PRICE QUOTATION
TYPE A—ELECTRIC**

VENDOR'S COMPANY NAME RWC Group	REPRESENTATIVE'S NAME Tom Hartman	TELEPHONE NUMBER 602-377-4401
ADDRESS 600 North 75 th Avenue Phoenix, AZ 85043	Estimated delivery date to school district from time purchase order is received: 180 Days ARO _____	
	Firm where engine and chassis can be serviced or repaired and parts obtained: Any Ford Dealer _____	
	Firm where body can be serviced or repaired and parts obtained: RWC Group (4 locations in WA) _____	

BODY

MAKE Collins	Warranty: Years <u>5</u> Miles <u>100K</u>	Inside measurement from rear of stepwell to appropriate point at rear of passenger seating area: w/o lift <u>184</u> w/lift <u>184</u>	Equipped seating capacity: w/o lift <u>21</u> w/lift <u>18+1</u>
MODEL DE516	YEAR 2023	Seat color: <u>Gray</u> Floor color: <u>Black</u>	Overall vehicle length (inches): w/o lift <u>290</u> w/lift <u>290</u>

CHASSIS

MOTOR

MAKE Ford Motor Company	Warranty: Years <u>3</u> Miles <u>36K</u>	MANUFACTURER Parker Hannifin	Torque: <u>1190</u> @ <u>2200</u> RPM H.P.: <u>394</u> @ <u>3100</u> RPM
MODEL E-450	YEAR 2023	Wheel base: <u>158</u>	Fuel type: <u>Electric</u>
BATTERIES		Warranty: Years <u>5</u>	
<u>12 Volt</u>		<u>Propulsion</u>	
Battery type/grp: <u>AGM 65</u>	Number batteries: <u>3</u>	Miles <u>100K</u>	
Number batteries: <u>1</u>	Total KWH: <u>127</u>		
Total CCA: <u>900</u>			

QUOTED PRICE

Quoted price is based upon payment within 30 days after delivery to the school district (without sales tax).

Electric Bid—w/o lift \$ 316,743 Electric Bid—w/lift \$ 322,007

VENDOR REPRESENTATIVE'S SIGNATURE Tom Hartman	DATE 8-17-22
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State Price Quote Specification
DISTRICT-SUPPORTED OPTIONS
TYPE A

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Vendor: RWC GroupMfr.: Collins

CHASSIS		
ITEM	Vendor must meet or exceed these specifications. Item bid shall be specified in column to right.	VENDOR SPECIFICALLY IDENTIFY ITEM BID Price of items bid will establish the district cost.
Small A	Type A bus—10,000 lbs or under GVWR chassis.	Deduct <u>N/A</u> Mfr. <u>N/A</u> Capacity w/o lift <u>N/A</u> Dual Wheel <u>N/A</u> Single Wheel <u>N/A</u>
Air Conditioning	To cool passenger compartment as required in the Washington State School Bus Specifications manual.	Mfr. <u>American Cooling Tech</u> Cost \$ <u>12,722</u>
Back-up Alarm	Must meet state specification.	Mfr. <u>Superior Signals</u> Cost \$ <u>110</u>
Color	Exterior white roof.	Cost \$ <u>Standard</u>
Steering Wheel	Tilt and telescoping column.	Cost \$ <u>N/A</u>
Strobe Light	Exterior roof mounted white strobe light.	Mfr. <u>Opti-Luxx</u> Model No. <u>Beacon 4903</u> Cost \$ <u>194</u>
Student Protection System—Installed	Electronic system to insure driver post-trip inspection of passenger compartment.	Mfr. <u>Check Mate</u> Model No. <u>EP1</u> Cost \$ <u>538</u>
Toolbox	Interior, manufacturer standard.	Cost \$ <u>75</u> Deduct \$ <u>N/A</u>

		State Price Quote Specification DISTRICT-SUPPORTED OPTIONS TYPE A Use this document to bid both non-lift and lift buses.	PART II (cont.) Vendor: <u>RWC Group</u> Mfr.: <u>Collins</u>
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ITEM	Vendor must meet or exceed these specifications. Item bid shall be specified in column to right.	VENDOR SPECIFICALLY IDENTIFY ITEM BID Price of items bid will establish the district cost.	
Video Camera Systems—Installed	Digital audio/video system for monitoring the passenger compartment with more than two cameras.	Mfr. <u>Seon</u> Model No. <u>TH4</u> Cost \$ <u>3,644</u> How many cameras <u>3</u>	
Video Camera Systems—Stop Sign Camera—Installed	Must meet state specification.	Stand Alone System Mfr. <u>Seon</u> Model No. <u>TH4</u> Cost \$ <u>2,877</u> How many cameras <u>1</u>	Added to Interior System Mfr. <u>Seon</u> Model No. <u>TH4</u> Cost \$ <u>889</u> How many cameras <u>1</u>
Warning Light Monitor	16 light monitoring system.	Incandescent Cost \$ <u>239</u>	LED Lights Cost \$ <u>558</u>
Additional Wheelchair/Occupant Tie-down System—Installed	Must meet state specification.	Mfr. <u>Q-Straint</u> Model No. <u>Q-8100-A1</u> Cost per station \$ <u>1,063</u>	
Windows	Laminated passenger-compartment side or rear glass.	Side Cost \$ <u>350</u> Rear Cost \$ <u>72</u> Both Cost \$ <u>422</u>	
Windows	Tinted.	Cost \$ <u>375</u>	