

TRA22-01 - Supply and Delivery of School Buses - Quote Form - Bus Unit Price: Type C Electric

Item	Dynamic Specialty Vehicles Submission 1	Western Canada C Bus Inc. Submission 1	The Lion Electric Co. Submission 1	First Truck Centre Vancouver Submission 1
Unit Price	Unit Price	Unit Price	Unit Price	Unit Price
1 75 passenger Type C Electric. All units and components must meet Federal and Provincial regulations and requirements and current CSO.	\$436,160.00	\$386,000.00	\$349,000.00	\$431,840.00
2 70 passenger Type C Electric. All units and components must meet Federal and Provincial regulations and requirements and current CSO.	\$436,260.00	\$385,900.00	\$346,000.00	\$426,450.00

TRA22-01 - Supply and Delivery of School Buses - Specification - Base Bus Specifications: Body - Type C Electric

Item	Dynamic Specialty Vehicles Submission 1	Western Canada C Bus Inc. Submission 1	The Lion Electric Co. Submission 1	First Truck Centre Vancouver Submission 1
Unit Price	Unit Price	Unit Price	Unit Price	Unit Price
1 Four (4) additional power supply feeds at body power source.	Yes	Yes	Yes	Yes
2 Crossing arm deactivation switch	Yes	Yes	Yes	Yes
3 Full power steering - minimum 18" diameter steering wheel. Tilt steering column - telescopic	Yes	Yes	Yes	Yes
4 HORN: Dual electric	Yes	Yes	Yes	Yes
5 Instruments: Dash mounted hr meter. Battery Monitor. speedometer in km/h w/odometer in km. Range (2) air pressure gauges if air equipped	Yes	Yes	Yes	Yes
6 Low air warning - light and buzzer	Yes	Yes	Yes	Yes
7 School buses must be equipped with heating units and be able to sustain 15.5 degrees C (plus or minus 2 degrees) inside the vehicle when the outside temperature is 0 degrees C ambient. Heaters should not decrease vehicle range by more than one percent. Please describe achievable in vehicle temperature when outside temperature is -30C provide the expected impact of heating the interior cabin temperature on vehicle range especially when outside temperature conditions are very cold.	Yes	Yes	Yes	Yes
8 Vendors should describe their proposed heating systems - including fuel source and feasibility to accommodate different fuel types as requested by local school district. The use of electric heaters to pre-heat the vehicle cabin is not preferred, however using electric heat to keep the batteries warm is acceptable. Vendors should also describe their proposed system for pre-heating vehicle cabins.	Yes	Yes	Yes	Yes
9 LIGHTS: Front headlights; HD All exterior lights to be LED. Cluster lights: front and rear - six (6) in total. LED light system non-sequential with master switch.	Yes	Yes	Yes	Yes
10 Body insulation including walls, ceiling and roof bones - to be fiberglass or equivalent. Dust intrusion package on underside of bus up to floor pan. WINDSHIELD Laminated safety glass tinted. Please state what is offered.	Yes	Yes	Yes	Yes
11 WINDOWS: Passenger windows, split lath type tinted throughout. Thermal where required. Driver's window - sliding type thermal pane	Yes	Yes	Yes	Yes
12 1000mm Emergency window egress device. Exterior lettering 54 inch - (Purchaser name) both sides at belt line	Yes	Yes	Yes	Yes
13 Four inch - Bus Number front corners and opposite rear license plate	Yes	Yes	Yes	Yes
14 Two inch - Capacity GVW (Purchaser name) on side panel back of entrance door and side panel below driver.	Yes	Yes	Yes	Yes
15 Floor: 5/8 plywood subfloor or equivalent. Secured with screws only (no nails). Water proofed and sealed at joints with silicone sealer. including floor to wall seams; floor covering and entry steps	Yes	Yes	Yes	Yes
16 Heavy duty entrance door control - air or electric operated. Entrance door must be outward opening	Yes	Yes	Yes	Yes
17 (2) auxiliary 6" electric defroster fans. Separate switches on panel	Yes	Yes	Yes	Yes
18 Driver's dome light on separate switch. Rear dome lights on separate switches (with dimmers if available)	Yes	Yes	Yes	Yes
19 AM/FM CD RADIO W/PA. Flush mounted speakers to match bus	Yes	Yes	Yes	Yes
20 Driver's seat - to be deluxe high back air seat. Fully adjustable. 6-way with lumbar support and fold down arm rests. Air foam rubber filled with heavy duty covering cloth fabric	Yes	Yes	Yes	Yes

12	<p>12. AIR BRAKES 5 cam WABS. Min. 11.2 cfm compressor. Spring brakes for emergency and parking. Auto slack adjusters. long stroke. Air dryer 16-1/2" x 5 Front. 16-1/2" x 7 Rear. backing plates</p> <p>12. Regenerative braking to charge batteries must meet all Canadian Motor Vehicle Safety Standards in regards to braking systems</p>	Yes	<p>BlueBirds regenerative braking system to charge batteries meets all Canadian Motor Vehicle Safety Standards in regards to braking system.</p>	Yes	<p>The battery system consists of 2 strings of 8 battery packs each achieving a total capacity of 216kWh and a nominal voltage of 600V. Each pack has a IP653 cell configuration. The cells are prismatic and use LFP chemistry. Lithium-Ion batteries (6) 210kWh Level 2 Charge Time: 20kW x T = 60% x 210kWh = 378 Min. Usable capacity = 70% x 210kWh = 147 kWh Pack C Rate = 1 (continuous discharge) Pack C Rate = 0.7 (continuous charge) equipment</p>	Yes	<p>Lion LiFePO4 all electric school bus. 168 kWh battery pack for up to 200 mi – lower range available. 168kWh equates to 4 battery packs - Lion LiFePO4 lithium ion batteries. Scenario 1 with a 152 kW charger - 20% to 80% charge to be obtained in approximately 815 minutes (13.5h) Scenario 2 with a 192 kW charger - 20% to 100% charge to be obtained in approximately 420 minutes (7 h) * Battery capacity (amps per hour per cell) = Total is 120Ah cells for 1 battery, 96 cells in 12S 48 per cell * Battery charge capacity (kWh) 42 kw per battery * Total usable battery energy storage capacity (kWh) - 4 batteries - 142.8 kWh * Total battery pack C-Rate: Lion C - 1.46 * Battery Cycle Life in number of charge/discharge cycles at a specific depth of discharge (DOD) - Charging time (energy input into HVIS all HVIS sub components active and/or operational)- 10500h(charging from grid with 3.6kW) * Battery thermal management type - The HVIS (High Voltage Storage) can be operated in a cell temperature range of -40°C to +53°C measured at the hottest point of any cell surface. Power</p>	Yes	<p>2 battery packs - 120kW/200Wh Battery Capacity 147kWh vehicle efficiency total usable battery capacity - 198kW 20% to 80% Charge = 1.2hrs on 60kW charger - 2.75hrs on a 24kW charger 194kWh usable/available energy onboard at beginning of life (97kWh per pack 2 packs per vehicle) -1.02 peak charge rate -7.8C/CE peak discharge rate -70.5C/CE peak continuous charge rate -70.7C/CE continuous discharge rate.</p>
13	<p>13. BATTERY Vendors should describe their proposed energy storage/Battery system, including the number of battery packs and battery chemistry. *Battery efficiency (kilometers per kWh) *Time (in minutes) to charge batteries from 20% to 100% state of charge on a level 2 charger. *Time (in minutes) to charge batteries from 20% to 80% state of charge on a level 2 charger. *Battery capacity (amps per hour per cell) *Battery storage capacity (kWh) *Total usable battery energy storage capacity (kWh) *Best battery pack C rate. *Best battery pack E rate. *Battery Cycle Life in number of charge/discharge cycles at a specific depth of discharge (DOD) *Battery thermal management type (describe battery maintenance and operational requirements when vehicle is in use and not in use</p>	Yes	<p>Number of packs: 7 Batteries in two packs for a total of 14 batteries Chemistry: LFP/NC-C batteries which is Lithium-Ion Mangnese Cobalt-Graphite Battery efficiency: Will dependent on several factors including driving habits terrain and use of AC and heaters. Time to charge Level 2 (20%-80%): 390-380 minutes Time to charge Level 3 (20%-80%): 250-280 minutes Battery capacity: 126 Ah Battery storage: 155 kWh Total usable battery storage: 124 kWh C-Rate: The charge rate is 3C and the discharge rate is 3C *Rate: This is proprietary and will not be disclosed battery life cycle: 3000</p>	Yes	<p>The battery system consists of 2 strings of 8 battery packs each achieving a total capacity of 216kWh and a nominal voltage of 600V. Each pack has a IP653 cell configuration. The cells are prismatic and use LFP chemistry. Lithium-Ion batteries (6) 210kWh Level 2 Charge Time: 20kW x T = 60% x 210kWh = 378 Min. Usable capacity = 70% x 210kWh = 147 kWh Pack C Rate = 1 (continuous discharge) Pack C Rate = 0.7 (continuous charge) equipment</p>	Yes	<p>Lion Type C all electric school bus. 168 kWh battery pack for up to 200 mi – lower range available. 168kWh equates to 4 battery packs - Lion LiFePO4 lithium ion batteries. Scenario 1 with a 152 kW charger - 20% to 80% charge to be obtained in approximately 815 minutes (13.5h) Scenario 2 with a 192 kW charger - 20% to 100% charge to be obtained in approximately 420 minutes (7 h) * Battery capacity (amps per hour per cell) = Total is 120Ah cells for 1 battery, 96 cells in 12S 48 per cell * Battery charge capacity (kWh) 42 kw per battery * Total usable battery energy storage capacity (kWh) - 4 batteries - 142.8 kWh * Total battery pack C-Rate: Lion C - 1.46 * Battery Cycle Life in number of charge/discharge cycles at a specific depth of discharge (DOD) - Charging time (energy input into HVIS all HVIS sub components active and/or operational)- 10500h(charging from grid with 3.6kW) * Battery thermal management type - The HVIS (High Voltage Storage) can be operated in a cell temperature range of -40°C to +53°C measured at the hottest point of any cell surface. Power</p>	Yes	<p>2 battery packs - 120kW/200Wh Battery Capacity 147kWh vehicle efficiency total usable battery capacity - 198kW 20% to 80% Charge = 1.2hrs on 60kW charger - 2.75hrs on a 24kW charger 194kWh usable/available energy onboard at beginning of life (97kWh per pack 2 packs per vehicle) -1.02 peak charge rate -7.8C/CE peak discharge rate -70.5C/CE peak continuous charge rate -70.7C/CE continuous discharge rate.</p>
14	<p>14. Back-up alarm 97 dB minimum</p>	Yes	<p>Back up alarm 112dB</p>	Yes	<p>Not applicable on an all electric vehicle (all-electric engine)</p>	Yes	<p>There is no air restriction gauge on our EV</p>		
15	<p>15. High capacity dry type air cleaner r/w air restriction gauge to be mounted on dash or air intake</p>	No	<p>This vehicle uses an electric motor for its propulsion system and therefore an air cleaner is not required.</p>	Yes	<p>Not applicable on an all electric vehicle (all-electric engine)</p>	No	<p>There is no air restriction gauge on our EV</p>		
16	<p>16. Battery Management System</p>	Yes	<p>Blue Bird's Battery Management System (BMS) facilitates smart charging by monitoring battery State of Charge (SOC) and other parameters associated with State of Health (SOH) and communicates to the system control (SCM). The SCM then determine how much charge should be provided to the battery based on the current state of the battery and controls the on-board chargers appropriately. The SCM also communicates the desired charge rate through the CCS1 connector to the off-board charger to ensure proper charge rates are delivered. The BMS monitors SOC and SOH and reports it to SCM. This data is recorded every 10 milliseconds.</p>	Yes	<p>Each battery pack is equipped with a battery management system to monitor battery life state of charge and other proprietary variables.</p>	Yes	<p>The Lion proprietary BMS served its purpose earlier than expected when it introduced its new more energy dense modules whilst no longer being allowed to provide the matching LGBMS. The Lion proprietary BMS combined all the best controlling features. Its predecessor couldn't handle while making the battery monitoring overhead more cost effective. Constant efforts are currently focused to achieve ASL C compliance according to the ISO26262 standard for our proprietary BMS. Mastering and having full control over our own BMS enables Lion to adapt to any current and future chemistry or form factor from any potential supplier.</p>	Yes	<p>Battery thermal management includes battery coolant heater and chiller to manage battery temperature when charging and driving</p>
17	<p>17. On-board Charging Systems Vendors should describe their preferred charging/discharging systems including EVSE noting that the expectation is that vehicles will be fitted with non-based AC (15-30kW bidirectional charging/discharging systems that conform to the most recent SAE J1772 standards and/or other relevant standards for 208-240v 3 phase power flow. The vehicles should also be fitted with DC Level II charge/discharge coupler capable of a sustained maximum of 30kW of power transfer at a maximum of 200 Amps. The coupler should conform to all current SAE standards. All charging system components shall have CSA certification or provide acceptable documentation. Charging systems shall be capable of operating from 30C to 40C with no more than 10% degradation in performance</p>	Yes	<p>Blue Bird offers a standard CCS1 connector that allows for either Level 2 AC charging or Level 3 DC Fast Charging. For maximum 19.2kW charge rate each level 2 EVSE must be supplied with three phase 240v 80 amp at current with a 100 amp fuse. Our bus will fully charge with AC charging from 0-100% in about 8 hours. There are several Level 2 EVSE's available on the market today that meet these charging requirements including the Nuvve PowerPort. For maximum 60kW charge rate each level 3 DCFC station must be supplied with three phase 480VAC 80 amp. A bus will fully charge with DC Fast Charging from 0-100% in about 3 hours. There are several Level 3 EVSE's available on the</p>	See Attachment	Yes	<p>The Lion school buses are compliant to all EV Level 2 Level 3 AC/DC or V2G options on the market. Further Lion has created an entire division Lion Energy mentioned above at point 8 and a user response document that can help you determine the best charging solution depending on the vehicle battery pack and duty cycle.</p>	Yes	<p>Our EV has DC batteries and require DC charging charge coupler meets SAE we offer a 25kW wall charger or a 100 kW station charger with V2G capability.</p>	
18	<p>18. Heavy Duty hoses to meet current coolant standards.</p>	Yes	<p>On Command will be used and will be provided to purchaser and ASTSAC</p>	Yes	<p>On Command will be used and will be provided to purchaser and ASTSAC</p>	Yes	<p>On Command will be used and will be provided to purchaser and ASTSAC</p>		
19	<p>19. Data solutions for performance and analytical comparisons must be available on a regular basis for both ASTSAC and the purchaser. Training must be provided</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>		
20	<p>20. Oil lubed front wheel bearings or sealed bearings</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>		
21	<p>21. SERVICE MANUAL AND DIAGNOSTIC SOFTWARE. Service manual for engine and chassis. Frame and body diagnostics software or licensing. Funds based. Diagnostic Training must be provided to each purchaser</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>	Yes	<p>Body diagnostics software and training are included. Commis Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Bird's bus platform Commis is responsible for all repairs made to these systems.</p>		
22	<p>22. Supply Driver Training and Orientation to ASTSAC Trainers to supply</p>	Yes	<p>Please call Dynamic for services and warranty to facilitate and expedite services required.</p>	Yes	<p>Please call Dynamic for services and warranty to facilitate and expedite services required.</p>	Yes	<p>Please call Dynamic for services and warranty to facilitate and expedite services required.</p>		
23	<p>23. Training for drivers upon bus delivery.</p>	Yes	<p>Facilitate and expedite services required.</p>	Yes	<p>Facilitate and expedite services required.</p>	Yes	<p>Facilitate and expedite services required.</p>		
24	<p>24. Supply line setting heater</p>	Yes	<p>Facilitate and expedite services required.</p>	Yes	<p>Facilitate and expedite services required.</p>	Yes	<p>Facilitate and expedite services required.</p>		
25	<p>25. Heater cut off valve at source</p>	Yes	<p>Facilitate and expedite services required.</p>	Yes	<p>Facilitate and expedite services required.</p>	Yes	<p>Facilitate and expedite services required.</p>		

Battery location and weight - please describe	Yes	The high voltage batteries are located under the chassis frame rails between the front and rear axle. Approximate weight is 1400 kg.	Yes	Batteries are mounted in between the frame rails and rigidly attached using welded and bolt on brackets. Each battery pack weighs 450 lbs. Batteries are protected from the elements. Batteries are backed by international standards rating of IP68 and are deemed fit enough to withstand dust dirt and sand and are resistant to submersion up to a maximum depth of 1.5m underwater for up to 30 minutes and encased in an aluminum box.	Yes	Battery location under the chassis. For the battery pack included in the listed price weight is approximately 276 kg	Yes	Location is mid bus under frame rails approximate weight is 1600kg
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TRA22-01 - Supply and Delivery of School Buses - Quote Form - Option Pricing: Type C Electric

Line Item	Optional Pricing	Dynamic Specialty Vehicles		Western Canada FC Bus Inc.		The Lion Electric Co		First Truck Centre Vancouver					
		Charge Type	Unit Price	Additional Information	Charge Type	Unit Price	Additional Information	Charge Type	Unit Price	Additional Information			
1	One (1) additional spare tire mounted	Additional	\$995.00	Shipped loose	Additional	\$775.00		Additional	\$775.00	Shipped loose			
2	Air horn roof mounted	Additional	\$195.00	Option for floor mounted available at additional charge.	Additional	\$195.00		Additional	\$129.00				
3	Current Gatekeeper digital video system supplied and installed with 2 cameras.	Additional	\$2,100.00	5D Card Recorder with 2 interior cameras.	Additional	\$2,350.00		Additional	\$2,000.00	Pricing for local installs			
4	Current Seen digital video system supplied and installed with 2 cameras	Additional	\$2,270.00	4 Camera DVR with hard drive with 2 interior cameras.	Additional	\$2,340.00		Additional	\$2,000.00	Pricing for local installs			
5	Pre-wiring for 2-way radio and antenna power and ground thru noise suppression switch.	Additional	\$55.00	Please provide preferred location of radio. Radio & antenna installation also available upon request.	Additional	\$90.00 *		Additional	\$60.00	Included			
6	Driver's storage compartment overhead left side	Additional	\$30.00		Additional	\$30.00		No Charge		Standard option for TB8			
7	Installed Zonar current GPS Tracking and Vehicle Diagnostics System with EVH handheld device and all accessories. Include pricing for each handheld device available	Additional	\$820.00	Samsung tablet or Connect Kit extra if required.	Additional	\$850.00	Bid price is for V4 Tablet. Samsung Tablet with Locking Mount avail at 1725.00	Additional	\$1,014.00	We can install the Zonar GPS Tracking and Vehicle Diagnostics System however we would like to please recommend Lion's alternative option LionBus. The LionBus telematics software can be accessed via different electronic devices (i.e. a cellphone tablet computer). Refer to additional document uploaded with our proposal: LionBus Plan Pricing- 20220524-ENG. LionBus is offered free of charge for two (2) years. However we can work with ASTA and install Zonar as requested.	Additional	\$700.00	EVH CSA Inspection Kit 700 - Samsung Tablet's kit available for additional charge
8	Zonar current Fleet GPS Tracking and Vehicle Diagnostics System installed	Additional	\$615.00	Does not include device activation from Zonar.	Additional	\$525.00		Additional			No Charge		Standard option for TB8 - Free 60 day Zonar GPS. Prior Available at request
9	Driver's clipboard storage accessible from drivers seat	Additional	\$30.00	Includes Zonar hardware surcharge.	No Charge			No Charge			No Charge		
10	Traction control through ABS	No Charge			No Charge			No Charge			No Charge		Equipped with Wabco 45/AM ABS with Hill Start Ass
11	Limited Slip Rear Axle	Not Available			Not Available			Not Available			Not Available		\$650.00
12	Driver controlled differential lock	Not Available			Not Available			Not Available			Not Available		\$1,400.00
13	Automatic Greasers. Minimum 12 grease points	Additional	\$3,625.00		Additional			Additional			Additional		\$11,000.00
14	Recommended Level 2 charging system for your bus	Additional	\$2,799.00	Blue Bird EV compatible with Level 2 & Level 3 Charge stations. Price is subject to change and does not include software for reporting. Upon award Dynamic will provide consultation for charging solutions best suited for the School District. Level 2 SCHWID EV Charger made by Clipper Creek, wall mounted. No reporting capability. Optional Nuvee Smart Charger Wall mount - software 2990 Single-Mount Pedestal 5000 For more information please see file: SC_HQCA-000022.pdf	Additional	\$13,000.00	DC 240V 480V Charger.	No Charge		Level 2 or Level 3 ports are built in the LionC and are included in the base price listed. LionC buses are compatible with all Level 2 chargers. Upon award the LionEnergy team will contact the school district to define the best charging solution for their needs.	Additional	\$11,000.00	Delta 25 kW charger - 11000 Protera 60kW Charger - 48200
15	Acoustic ceiling panels throughout	Additional	\$830.00		No Charge			Additional	\$1,295.00		Additional	\$620.00	
16	10R22.5 Tires instead of base 12R22.5	Additional	\$75.00		Not Available			Additional	\$2,100.00		Additional		
17	Interior mirror - 10" x 30" Mirror - adjustable no windshield obstruction	Additional	\$55.00		Additional	\$60.00		No Charge			Additional		\$60.00
18	Interior exterior mirrors	Additional	\$20.00		Additional	\$30.00		Additional	\$450.00		Additional		\$275.00
19	Emergency roof hatch vent with exhaust fan	Additional	\$610.00		Additional	\$195.00		No Charge			Additional		
20	Tinted Windows throughout	No Charge			No Charge			No Charge			No Charge		
21	Laptop and connectors with applicable programming and software including training for each style of bus purchased. ABS software.	Additional	\$3,000.00	Vantage software and ABS software included.	Additional	\$2,300.00		No Charge			Additional		\$2,750.00
22	Wheelchair lift - specify OEM in attached documentation. Supply and install wheelchair lift with one chair position across from lift inclusive of tie down system - includes Ricon lift. Option tie down system and floor pockets for one chair	Additional	\$9,060.00	Ford/Rough software included at no charge for Gas & Propane buses. Cummins software additional charge (annual subscription) Training included.	Additional	\$7,180.00		Additional	\$11,995.00	Wheelchair lift OEM is Braun	Additional	\$6,500.00	
23	Track seating over wheelchair space	Additional	\$1,395.00		Additional	\$885.00		Additional	\$800.00	Included in base price	Additional	\$840.00	
24	Air operated disc brakes.	Additional	\$3,950.00		No Charge			No Charge			Additional	\$5,400.00	
25	Integrated Child Seat/Pin Seat - Attach information details	Additional	\$755.00	See File: Type C Blue Bird Vision Brochure.pdf	Additional	\$595.00		Additional	\$595.00		Additional	\$400.00	
26	Adjustable Foot Pedals	Additional	\$1,340.00		Not Available			No Charge			Additional	\$1,300.00	Included
27	Telescope Steering	No Charge		Standard on Blue Bird Bus	Additional	\$175.00		No Charge			No Charge		
28	Hydraulic brake school bus with air seat and air suspension	Not Available			Not Available			No Charge		Included in base price	Not Available		
29	Hydraulic brake school bus (no air components)	Not Available			Not Available			Additional	\$2,000.00	AS178C clients that choose Hydraulic Brakes will be given an additional 2,000 discount off the base price listed.	Additional		
30	In-service training for chassis and body maintenance procedures at Purchaser's facility	No Charge		Electric Bus training for technicians first responders and operators included.	Additional	\$800.00		No Charge			Additional		Zone training for technicians provided free of charge - individual on site training \$50
31	Interior mirror 8" x 30 inches - adjustable no windshield blockage	Additional	\$35.00	10" x 30 interior mirror available. included in the base bus price. Option: Ruggedized exterior entry door handle with lock available.	Not Available			No Charge			Additional	\$25.00	Included
32	Door handle on exterior of entry door	No Charge			Additional	\$700.00		No Charge		Same as base price listed	Additional	\$2,300.00	
33	Move to one body size larger with same seat count for increased knee room	Additional	\$500.00		Additional	\$700.00		No Charge			Additional	\$1,300.00	MobilityBuswise 500K 1100-
34	Pedestrian Detection System	Additional	\$2,450.00	Mobility Collision Avoidance System	Not Available			No Charge			Additional	\$1,300.00	Saf-TZone Pedestrian Detection is a radar-based pedestrian detection system that features front/side/rear detection/monitoring capabilities available for \$300.
35	Stop Arm Camera	Additional	\$1,000.00	Stop arm camera prices are based on recorder able to accommodate extra cameras. DVR may need to be upgraded as more camera inputs maybe are required. Price reflects License Plate Recognition cameras or 2 camera Stop Arm system.	Additional	\$300.00	Bid Price is for Seen Stop Arm Cam. Gatekeeper Stop Arm Cam with License Plate Reader is \$50.00	Additional	\$88.50		Additional	\$400.00	Gatekeeper - Stop arm camera with license plate reader 1200
36	Power and Range upgrade - Price for additional incremental ranges increased and decreased	Not Available			Not Available			Not Available		As mentioned Lion has quoted a battery pack adapted for a 40 mile cycle for up to 300 km. Higher range upgrades will be available soon and pricing will be confirmed once that option is available. Please note Lion will work with the school district to identify if a lower battery pack would suffice for their actual needs.	Not Available		Seen stop arm camera only 400