

APPENDIX E

OPTIONAL ENGINE INFORMATION

BY BUS BIDDER/MANUFACTURER

BLUE BIRD OPTIONAL ENGINE PRICING

TYPE and SIZE	Optional Engine #1 & Price		Optional Engine #2 & Price		Optional Engine #3 & Price	
TYPE C BUS	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
47 Cap. Type C Bus	ISB07 220/520	\$995	Cat C7 210/520	\$2,373	Cat C7 230/660/2500 PTS SEM	\$3,829
65 Cap. Type C Bus	ISB07 220/520	\$995	Cat C7 210/520	\$2,373	Cat C7 230/660/2500 PTS SEM	\$3,829
71 Cap. Type C Bus	ISB07 220/520	\$995	Cat C7 210/520	\$2,373	Cat C7 230/660/2500 PTS SEM	\$3,829
77 Cap. Type C Bus	ISB07 220/520/2500 PTS SEM	-\$5,811	Cat C7 230/660/2500 PTS SEM	-\$3,046	Cat C7/230/660	\$1,492
TYPE D FE BUS	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
71 Cap. Type D FE Bus	ISB07 220/520	\$995	Cat C7 210/520	\$2,373	Cat C7 230/660/2500 PTS SEM	\$4,319
77 Cap. Type D FE Bus	ISB07 260/620	\$1,009	Cat C7 230/660	\$1,639	Cat C7 250/660	\$2,647
83 Cap. Type D FE Bus	ISB07 260/620	\$1,009	Cat C7 230/660	\$1,639	Cat C7 250/660	\$2,647
TYPE D RE BUS	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
72 Cap. Type D RE Bus	ISB07 200/520/2500 PTS	-\$11,968	ISB07 220/520/2500 PTS	-\$10,973	Cat C7 230/660/2500 PTS SEM	-\$7,833
78 Cap. Type D RE Bus	ISB07 240/620	-\$5,952	Cat C7 230/660	-\$3,925	Cat C7 250/660	-\$2,899
84 Cap. Type D RE Bus	ISB07 240/620	-\$5,952	Cat C7 230/660	-\$3,925	Cat C7 250/660	-\$2,899

Caterpillar Engines include a 6 Year/200,000 Mileage ESC Plus Warranty; 5 YR/Unlimited Minimum.

BLUE BIRD OPTIONAL ALTERNATIVE ENGINE PRICING		
TYPE and SIZE	CNG Engine & Price	
TYPE C BUS	Model/HP & Torque	Price
47 Cap. Type C Bus	GM 8.1L LPI (Propane) / 330HP/450 Allison 2300 PTS w/5.29 ratio	\$10,366
65 Cap. Type C Bus	GM 8.1L LPI (Propane) / 330HP/450 Allison 2300 PTS w/5.29 ratio	\$10,366
71 Cap. Type C Bus	GM 8.1L LPI (Propane) / 330HP/450 Allison 2300 PTS w/5.29 ratio	\$10,366

GM 8.1LPI Engine is not available with silicone engine hoses.

Blue Bird Vision with GM 8.1L LPI engine meets the requirements for the Qualified Alternative Fuel Motor Vehicle Credit. Please consult with FTS for more information.

5 Year/100,000 mile Warranty Standard with maintenance guidelines

IC OPTIONAL ENGINE PRICING

TYPE and SIZE	Optional Engine #1 & Price		Optional Engine #2 & Price		Optional Engine #3 & Price	
TYPE C BUS	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
29 Cap. Type C Bus	Maxx Force 7, 200HP, 560 lb-ft	-\$2,428	Maxx Force 7, 215HP, 560 lb-ft	-\$1,757	Maxx Force 7, 230HP, 620 lb-ft	-\$951
47 Cap. Type C Bus	Maxx Force 7, 200HP, 560 lb-ft	-\$2,428	Maxx Force 7, 215HP, 560 lb-ft	-\$1,757	Maxx Force 7, 230HP, 620 lb-ft	-\$951
65 Cap. Type C Bus	Maxx Force 7, 230HP, 620 lb-ft	-\$951	Maxx Force DT, 225HP, 620 lb-ft	\$271	Maxx Force DT, 245HP, 620 lb-ft	\$1,226
71 Cap. Type C Bus	Maxx Force 7, 230HP, 620 lb-ft	-\$951	Maxx Force DT, 225HP, 620 lb-ft	\$271	Maxx Force DT, 245HP, 620 lb-ft	\$1,226
77 Cap. Type C Bus	Maxx Force DT, 245HP, 620 lb-ft	\$1,226	Maxx Force DT, 255HP, 660 lb-ft	\$2,089		
TYPE and SIZE	Optional Engine #4 & Price		Optional Engine #5 & Price		Optional Engine #6 & Price	
TYPE C BUS (Continued)	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
29 Cap. Type C Bus	Maxx Force DT, 225HP, 620 lb-ft	\$271	Maxx Force DT, 245HP, 620 lb-ft	\$1,226		
47 Cap. Type C Bus	Maxx Force DT, 225HP, 620 lb-ft	\$271	Maxx Force DT, 245HP, 620 lb-ft	\$1,226		
TYPE D RE BUS	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
72 Cap. Type D RE Bus	Maxx Force DT, 230HP, 620 lb-ft	\$675	Maxx Force DT, 245HP, 620 lb-ft	\$1,574		
78 Cap. Type D RE Bus	Maxx Force DT, 285HP, 800 lb-ft	\$1,785				
84 Cap. Type D RE Bus	Maxx Force DT, 285HP, 800 lb-ft	\$1,785				

IC OPTIONAL ALTERNATIVE ENGINE PRICING				
TYPE and SIZE	CNG Engine & Price		Hybrid, Diesel/Electric Drive Train & Price*	
TYPE C BUS	Model/HP & Torque	Price	Model/HP & Torque	Price
65 Cap. Type C Bus			Maxx Force7, 200HP, 560 lb-ft	\$124,154
71 Cap. Type C Bus			Maxx Force7, 200HP, 560 lb-ft	\$124,154

THOMAS OPTIONAL ENGINE PRICING

TYPE C BUS	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
29 Cap. Type C Bus	MBE 926 - 210hp/520 lb.-ft.	\$400	Cummins ISB - 200hp/520 lb.-ft.	(\$290)		
47 Cap. Type C Bus	MBE 926 - 210hp/520 lb.-ft.	\$400	Cummins ISB - 200hp/520 lb.-ft.	(\$290)		
65 Cap. Type C Bus	MBE 926 - 210hp/520 lb.-ft.	\$400	Cummins ISB - 200hp/520 lb.-ft.	(\$290)	Cummins ISB - 220hp/520 lb.-ft.	(\$30)
65 Cap. Type C Bus	Cummins ISB - 240hp/620 lb.-ft.	\$310				
71 Cap. Type C Bus	MBE 926 - 230hp/620 lb.-ft.	\$500	Cummins ISB - 220hp/520 lb.-ft.	(\$580)	Cummins ISB - 240hp/620 lb.-ft.	\$310
77 Cap. Type C Bus	MBE 926 - 230hp/620 lb.-ft.	\$500	MBE 926 - 250hp/660 lb.-ft.	\$980	Cummins ISB - 240hp/ 620 lb.-ft.	\$310
TYPE D FE BUS	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
71 Cap. Type D FE Bus	Cummins ISB - 220hp/520 lb.-ft.	\$570	Cummins ISB - 240hp/620 lb.-ft.	\$1,240		
77 Cap. Type D FE Bus	Cummins ISB - 260hp/620 lb.-ft.	\$700				
83 Cap. Type D FE Bus	Cummins ISB - 260hp/620 lb.-ft.	\$700				
89 Cap. Type D FE Bus	Cummins ISB - 260hp/620 lb.-ft.	\$700				
TYPE D RE BUS	Model/HP & Torque	Price	Model/HP & Torque	Price	Model/HP & Torque	Price
72 Cap. Type D RE Bus	MBE 926 - 210hp/520 lb.-ft. (2500PTS)	(\$6,100)	MBE 926 - 230hp/620 lb.-ft. (2500PTS)	(\$5,392)	MBE 926 - 230hp/620 lb.-ft.	(\$1,870)
72 Cap. Type D RE Bus	MBE 926 - 250hp/660 lb.-ft.	(\$1,380)	Cummins ISB - 220hp/520 lb.-ft. (2500PTS)	(\$7,200)	Cummins ISB - 240hp/620 lb.-ft. (2500PTS)	(\$5,980)
72 Cap. Type D RE Bus	Cummins ISB - 240hp/620 lb.-ft.	(\$2,470)				
78 Cap. Type D RE Bus	MBE 926 - 230hp/620 lb.-ft.	(\$1,870)	MBE 926 - 250hp/660 lb.-ft.	(\$1,380)		
78 Cap. Type D RE Bus	Cummins ISB - 240hp/620 lb.-ft.	(\$2,470)	Cummins ISB - 260hp/620 lb.-ft.	(\$1,980)	Cummins ISB - 280hp/660 lb.-ft.	(\$1,310)
78 Cap. Type D RE Bus	Cummins ISB - 300hp/800 lb.-ft.	(\$540)				
84 Cap. Type D RE Bus	MBE 926 - 230hp/620 lb.-ft.	(\$1,870)	MBE 926 - 250hp/660 lb.-ft.	(\$1,380)		
84 Cap. Type D RE Bus	Cummins ISB - 240hp/620 lb.-ft.	(\$2,470)	Cummins ISB - 260hp/620 lb.-ft.	(\$1,980)	Cummins ISB - 280hp/660 lb.-ft.	(\$1,310)
84 Cap. Type D RE Bus	Cummins ISB - 300hp/800 lb.-ft.	(\$540)				

THOMAS OPTIONAL ALTERNATIVE ENGINE PRICING

TYPE and SIZE	CNG Engine & Price		Hybrid, Diesel/Electric Drive Train & Price*	
TYPE D RE BUS	Model/HP & Torque	Price	Model/HP & Torque	Price
72 Cap. Type D RE Bus	Cummins ISLG - 280hp/900 lb.-ft.	\$27,180		
78 Cap. Type D RE Bus	Cummins ISLG - 280hp/900 lb.-ft.	\$27,180		
84 Cap. Type D RE Bus	Cummins ISLG - 280hp/900 lb.-ft.	\$27,180		

APPENDIX H

ADDITIONAL OPTION INFORMATION

BY MANUFACTURER

APPENDIX I

VIDEO AND GPS

CONTRACT OPTION PRICES

BY BUS MANUFACTURER

BLUE BIRD VIDEO CAMERA SYSTEMS CONTRACT OPTIONS

Option Description	Manufacturer	Model #	Price
Zonar Evirnet Accessories			
Zonar Evirnet GPS GSM Annual Service	Zonar	SANN4	\$245
GSM Activation per unit	Zonar	ZACT1	\$25
Safety Vision Video Systems			
Digital 1-2 Channel, B/W, 1-2 Camera(s)	Safetyvision	SV-DVR2CRHD-B/W	\$1,625
Digital 1-2 Channel, Color, 1-2 Camera(s)	Safetyvision	SV-DVR2CRHD	\$1,725
Digital 1-2 Channel, Day/Night Recording, 1-2 Camera(s)	Safetyvision	SV-DVR2CRHD	\$1,850
Digital 4+ Channel, B/W, 1-2 Camera(s)	Safetyvision	SV-DVR4CRHD-B/W	\$1,825
Digital 4+ Channel, Color, 1-2 Camera(s)	Safetyvision	SV-DVR4CRHD	\$1,925
Digital 4+ Channel, Day/Night Recording, 1-2 Camera(s)	Safetyvision	SV-DVR4CRHD	\$2,050
Additional Safety Vision Accessories:			
Additional Camera	Safetyvision	SV-CD3.6	\$350
40 GB Hard Drive	Safetyvision	SV-40HD	\$215
80 GB Hard Drive	Safetyvision	SV-80HD	\$280
Hard Drive (Other GB Capacity)	Safetyvision	SV-120HD	\$365
Docking Bay	Safetyvision	SV-HDREADER	\$225
Software	Safetyvision		
Digital Viewing Station	Dell		\$3,000
Download Kit, Starter	Safetyvision		
Download Kit, Basic	Safetyvision		
Download Kit, Advanced	Safetyvision		
GPS Package	Safetyvision	SV-GPS-KIT	\$340
Everyday Wireless			
UHF Radio-based GPS Real-time School Bus Tracking Kit	Everyday Wireless	TX-4_BB	\$1,275
UHF Radio Communication Base Station	Everyday Wireless	RX-4_BB	\$3,850
Cellular-based GPS Real-time School Bus Tracking Kit	Everyday Wireless	EX-3_BB	\$1,275
Voice Module for the EX-3	Everyday Wireless	EX-3V_BB	\$700
Direct Dispatch™ Console	Everyday Wireless	iD-3_BB	\$3,295
Long Range RFID Rider Attendance System	Everyday Wireless	LR_RFID_BB	\$1,295
Proximity Range RFID Rider Attendance System	Everyday Wireless	SR_RFID_BB	\$495
RFID Duplexer (Required for dual RFID on same bus)	Everyday Wireless	DUP_BB	\$320
RFID Cards (Long-Range)	Everyday Wireless	LR_CARD_BB	\$3
RFID Cards (Proximity)	Everyday Wireless	PROX_CARD_BB	\$2
RFID Card Printing and Programming Service	Everyday Wireless	CARD_PREP_BB	\$2
Mobile Data Terminal	Everyday Wireless	MDT_BB	\$465
REI Video Systems			
DIG SYSTEMS - HARD DRIVES NOT INCLUDED - SOLD SEPARATELY	(Each system requires one hard drive)		
Digital 1 Channel, 1 Camera, Day/Night	REI BUS-WATCH®	R1001 - 769910	\$1,190
Digital 1 Channel, 2 Cameras, Day/Night w/710030 Switcher	REI BUS-WATCH®	R1001 - 769980	\$1,567
Digital 4 Channel, 1 Camera, Day/Night	REI BUS-WATCH®	R4001 - 769940D	\$1,530
Digital 4 Channel, 2 Cameras, Day/Night	REI BUS-WATCH®	R4001 - 769940H	\$1,740
Digital 4 Channel, 3 Cameras, Day/Night	REI BUS-WATCH®	R4001 - 769940L	\$1,900
Digital 4 Channel, 4 Cameras, Day/Night	REI BUS-WATCH®	R4001 - 769940P	\$2,110
Additional REI Accessories:			
Additional Camera - High-Res 2.8 mm Day/Night	REI BUS-WATCH®	710135	\$290
Additional Camera - High-Res 3.6 mm Day/Night	REI BUS-WATCH®	710136	\$290
Additional Camera - High-Res 4 mm Day/Night	REI BUS-WATCH®	710137	\$290
Additional Camera - High-Res 6 mm Day/Night	REI BUS-WATCH®	710138	\$290
Additional Camera - High-Res 8 mm Day/Night	REI BUS-WATCH®	710139	\$290
Additional Camera - High-Res 10 mm Day/Night	REI BUS-WATCH®	710140	\$290
Additional Camera - High-Res 12 mm Day/Night	REI BUS-WATCH®	710141	\$290

THOMAS GPS SYSTEMS CONTRACT OPTIONS

Option Description	Manufacturer	Model #	Price
Everyday Wireless GPS	Manufacturer	Model#	Price
UHF Radio-based GPS Real-time School Bus Tracking Kit	EW	TX-4_TBB	\$1,425
UHF Radio Communication Base Station	EW	RX-4_TBB	\$3,650
Cellular-based GPS Real-time School Bus Tracking Kit	EW	EX-3_TBB	\$1,425
Voice Module for the EX-3	EW	EX-3V_TBB	\$575
Direct Dispatch™ Console	EW	iD-3_TBB	\$3,200
Long Range RFID Rider Attendance System	EW	LR_RFID_TBB	\$1,095
Proximity Range RFID Rider Attendance System	EW	SR_RFID_TBB	\$495
RFID Duplexer (Required for dual RFID on same bus)	EW	DUP_TBB	\$345
RFID Cards (Long-Range)	EW	LR_CARD_TBB	\$3
RFID Cards (Proximity)	EW	PROX_CARD_TBB	\$2
RFID Card Printing and Programming Service	EW	CARD_PREP_TBB	\$2
Mobile Data Terminal	EW	MDT_TBB	\$495
Student Transportation Software Bundle (Site-license)	EW	SOFT_BUN_TBB	\$24,995
Student Transportation Software Module (Site-license)	EW	SOFT_MOD_TBB	\$9,995
Student Transportation Software Module (Per Bus)	EW	SOFT_MOD_PB_TBB	\$72
Student Transportation Software Bundle (Per Bus)	EW	SOFT_BUN_PB_TBB	\$140
Combo, GPS Kit and Student Transportation Software Module	EW	GPS_SOFT_TBB	\$1,055
Daily Rate (Per Person) (custom integration work, training, or project management, or consulting)	EW	DR_TBB	\$750
DL3 Tracker and CDMA Modem Hardware (Cellular version)	GeoSpatial		\$1,425
GST Tracker DL3C w/CDMA modem, GPS/Cellular Antenna and 1GB CF	GeoSpatial	HW-DL3C	incl.
Tracker Door Open Sensor Cable W/power protection	GeoSpatial	HW-CAB-DR6P	incl.
GST Tracker DL3C Mobil Unit software license	GeoSpatial	SW-TR-MU	incl.
GST Tracker with Smart ID System (Cellular version)	GeoSpatial		\$2,025
GST Tracker DL3C w/CDMA modem, GPS/Cellular Antenna and 1GB CF	GeoSpatial	HW-DL3C	incl.
Tracker Door Open Sensor Cable W/power protection	GeoSpatial	HW-CAB-DR6P	incl.
Mobile Data Terminal with mounting rack	GeoSpatial	HW-MDT-01	incl.
MDT - Tracker Cable Assembly	GeoSpatial	HW-CAS-MDTTRK	incl.
GST Tracker DL3C Mobil Unit software license (per vehicle)	GeoSpatial	SW-TR-MU	incl.
GST SmartID Input Device Processor software interface (per vehicle)	GeoSpatial	SW-SID-MU-SC	incl.
Student ID Input Device Option			
Numeric Keypad	GeoSpatial	HW-MDT-NP	\$145
Swipe Card Reader L12"	GeoSpatial	HW-MDT-SCR2	\$65
Swipe Card Reader with KeyPad	GeoSpatial	HW-MDT-SCRNP	\$190
Bard Code Reader with mounting plate	GeoSpatial	HW-BC-RDER	\$280
RFID Reader with cable	GeoSpatial	HW-RFID-RDER	\$260
RFID key chain tag (set of 30)	GeoSpatial	HW-RFID-TAG30	\$55

APPENDIX J

BIDDERS' NOTES (BY OPTION NUMBER)

Blue Bird (FTS), IC (Rivers), Thomas

B2: Powered Roof Vent

IC: Units ordered with a powered roof vent will not include an additional 6-inch fan.

B3: Motion Masters Shocks for Air Ride Driver's Seat

Thomas: This option includes change to Bostrum Routemaster driver seat from standard Thomas seat.

B7a: C.E. White Integrated Child Restraint Seats

Blue Bird: The addition of C.E. White seats may reduce capacity. Please consult with FTS for a floorplan.

IC: Districts ordering C.E. White seats are encouraged to contact Rivers Bus to confirm floor plan and emergency exit compliance prior to issuing a purchase order. Installation of C.E. White seats may reduce passenger capacity.

B8: Baggage Compartment

IC: Compatibility and availability of luggage boxes by body passenger size are determined by how the vehicle is equipped (A/C, 100 gal fuel tank, track seating, etc). Districts are strongly encouraged to contact Rivers Bus to confirm compatibility of these options prior to issuing a purchase order.

B15: Flip-up Seat Behind Driver's Seat

Thomas: Option will reduce seat capacity due to seat spacing requirements. Please consult your dealer.

B18: Under-seat Rear Heater Option

Blue Bird: Rear heaters may be 50,000K BTU. 40K BTU Wall heater-\$426, 80K BTU Wall heater - \$603

Type A: Under-seat heater is 50K, floor mounted. 40K BTU wall heater-\$426, 80K BTU wall heater-\$603

IC: Districts choosing the under-seat rear heater on lift equipped buses with rear mounted lifts will receive a rear wall mounted heater in lieu of the under-seat heater. Districts are encouraged to contact Rivers Bus to confirm compatibility of these options prior to issuing a purchase order.

Thomas: Customer should consult dealer as heater location may be affected.

B21: Zonar Electronic Vehicle Inspection Report

Blue Bird: Zonar GSM activation and service plans available in video section.

B25: Track Seating

Thomas: Track seating options include charge for track-mounted seating hardware.

B26: Track Seating Seat Option

Blue Bird: Standard track seating provides 1 track-mounted CE White Student Safety Seat, 45"; LATCH is not available on this seat.

IC: The addition of seats may require one or more sets of emergency windows to maintain FMVSS compliance at a cost of \$400 per set, one left and one right.

Orders for track seating seats beyond the capacity of the base bus will not be accepted.

Thomas: This option will impact capacity and seat plan. Please verify seat plan with dealer representative.

B27: Driver's Seat with Integrated Seat Belt

Thomas: May affect seating capacity. Customer should consult dealer for specific plans.

B28: Electric Powered Entrance Door (Type A)

Blue Bird: Electric entrance door includes lock.

APPENDIX J (Continued)

C2: Spare Yellow Disc Wheel

IC: The pricing is for one spare wheel per chassis ordered; more than one wheel per chassis ordered will not be provided. Additional spare wheels are available through local International Truck dealers.

C3: Auto Transmission Warranty/All other Warranties

Blue Bird: All Type C, Type DFE, and Type DRE complete buses manufactured by Blue Bird will be covered by a standard five (5)-year/unlimited mileage bumper-to-bumper limited warranty.

C4: 100 Gallon Fuel Tank

IC: 100 gallon fuel tank is not available on units with track seating. 100 gallon fuel tank may limit options for luggage compartments. Districts are encouraged to contact Rivers Bus to confirm compatibility of these options prior to issuing a purchase order.

Thomas: 100 Gallon tank requires option C-10 (Air Ride Rear Suspension) on Type C. 100 Gallon tank may affect availability of through luggage on some rear engine models.

C6b_AC: 270 AMP L/N 4864 Alternator with Air Conditioner

Blue Bird: 270 AMP Alternator standard with ACC TC96 air conditioner systems.

C10: Air Ride Rear Suspension

Thomas: Customer P.O. **MUST** specify preference of Spring or Air Ride rear suspension.

C11: Silicone Only Heater and Engine Coolant Hoses

Blue Bird: Not available with propane engine.

Thomas: Does not include track seating or floor track. (Order separately by option.)

C12: Straight Floor

Blue Bird: Straight floor option includes Air Ride rear suspension and low profile tires.

IC: Air Ride rear suspension is standard on all sizes of straight floor chassis. Tires are 255/70R 22.5 Range H Tires. These specifications provide a total rear GAWR of 20,280 lbs./ total GVWR of 30,280.

Thomas: Does not include track seating or floor track (order separately by option).

Optional Wheelchair Tie-down/Occupant Restraint System (WTORS)

Blue Bird: Quantity of WTORS available is limited to quantity of wheelchair positions ordered.

Emergency Windows

IC: Districts ordering additional seats on lift equipped units are encouraged to contact Rivers Bus to confirm floor plan and emergency exit compliance prior to issuing a purchase order. The addition of seats may require one or more sets of emergency windows to main FMVSS compliance.

Emergency windows, if needed, will be added to the price of the seat option at a cost of \$379 per set, one left and one right.

