




		Instructions:						
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Division of Purchasing		To prevent disqualification do not alter the formatting on the worksheet.						
1915 Prospect Road Suite 1200 Des Moines, IA 50310		Email the completed spreadsheet to: joanne.khounlophilavanh@dmschools.org						
			Hoglund Bus Co Marshalltown, IA		School Bus Sales Co. Waterloo, IA		Thomas Bus Sales Des Moines, IA	
ITEM# 1	DESCRIPTION	NEW EIGHTY-THREE PASSENGER TRANSIT STYLE SCHOOL BUS		Notes		Notes		Notes
	1 YEAR			NO BID ON 83 PASS, ONLY 65 PASS AND LIFT			2016	
	1 MAKE						Thomas	
	1 MODEL						1418 MVP-EFX	
	1 UNIT	Each						
	1 UNIT PRICE		\$0.00		\$97,416.00		\$97,812.00	
	1 ESTIMATED QUANTITY	2						
REQUIREMENT#	1	Air Brakes: 18.7 CFM min compressor; Q drum brakes; AD-9 dryer; auto slack adjusters; ABS			Yes		Yes	
	2	Air Filter: single stage dry element w/ restriction indicator			Yes		Yes	
	3	Air Intake, engine: high mount fresh air intake			Yes		Yes	
	4	Alternator: Delco Remy 200 amp min			No	240 amp Leece Neville	No	240 amp Leece Neville
	5	Back Up Lights: two 7" & two 4" LED backup lights			No	5" LED	Yes	
	6	Battery: 12 volt, two (2) group 31, 1900 CCA total			No	3 group 31, 2100 CCA total	Yes	
	7	Battery Compartment: skirt mounted with slide out ball bearing tray			Yes		Yes	
	8	Bumpers				1/4"	Modulus Factor.8080	
	9	Capacity, Rated Student: 83 passengers			No	84 passengers	Yes	
	10	Cooling System: heavy duty w/ thermostatically controlled electric fans			Yes		Yes	
	11	Daytime Running Lights: activated when parking brake released			Yes		Yes	
	12	Digital Camera System: 247 Security Inc one digital camera system, Zeus DHD 4 channel, Installed.			Yes		Yes	
	13	Dome Lights: double row dome lights plus driver dome			Yes		Yes	
	14	Driver Seat: air ride pedestal; high backed, 6-way adj. cloth seat, w/ lumbar adjustment; left and right armrests			Yes		Yes	


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ITEM# 1 REQUIREMENT#	DESCRIPTION	NEW EIGHTY-THREE PASSENGER TRANSIT STYLE SCHOOL BUS	Notes		Notes		Notes	
14	Driver Seat Make			National		National		
	Driver Seat Model			2000		Air		
15	Emergency Equipment: 5 lb. fire extinguisher; 24 unit FAK; reflective triangle kit; body fluid kit			Yes		Yes		
16	Emergency Exits: two low-profile Transpec roof escape hatch/vents, three push-out windows per side			Yes		Yes		
17	Engine: I-6 diesel engine; 250 HP, 660 lb/ft torque minimum			Yes		Yes		
	Engine Make			Cummins		Cummins		
	Engine Model			ISB13 6.7L		6.7 liter ISB		
18	Engine Block Heater: 750 watt min electric with remote receptacle in front body panel			Yes		Yes		
19	Entrance Door: outward opening; air operated; panic free with vandal locks, exterior handle			Yes		Yes		
	Door Opening Width (Inches)			32		30		
20	Exhaust System: single 4" exhaust			Yes		Yes		
21	Exterior Colors: National School Bus Yellow with black trim and bumpers, heat cured polyurethane paint. White roof.			Yes		Yes		
22	Fenderettes: rubber fender extensions on each wheelhouse			Yes		Yes		
23	Floor: 5/8" marine grade plywood over galvalume steel floor structure. Blue colored floor covering			No	Grey covered floor	Yes		
24	Front Axle: 13,200# capacity; oil hubs, CR seals			Yes		Yes	Synthetic lube 5 year warranty	
25	Fuel Inspection Plate: fuel inspection plate to allow access to top of fuel tank			Yes		Yes		
26	Fuel System: 100 gallon min., mounted between framerails behind rear axle, right side fill, latched fuel filler door			Yes		Yes		
27	Gauges, Driver Info Package: speedometer, odometer, tachometer; volts, fuel, water temp, oil pressure gauges, hour meter, high water temp, low oil pressure lights & buzzers			Yes		Yes		
28	Header Pads: header pads over all doors			Yes		Yes		
29	Headroom: 73" interior headroom minimum			No	77" headroom	No	78"	
30	Heater Valves: cutoff valves for heater lines			Yes		Yes		


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ITEM# 1	DESCRIPTION	NEW EIGHTY-THREE PASSENGER TRANSIT STYLE SCHOOL BUS		Notes		Notes		Notes
REQUIREMENT#	31	Heaters: front, driver, midship, rear; all heaters must include aluminum filters; heater booster pump			Yes		Yes	
		BTU's at all positions			Yes		Yes	Defrost-90,000 Driver- 15,000 Mid-84,000 Rear- 84,000
	32	Horn: dual electric horns			Yes		Yes	
	33	Ignition Keys: all units keyed identically			Yes		Yes	
	34	Insulation: 2" fire resistant thermal bonded polyester fiber			Yes		Yes	
	35	Interior Colors: interior ceiling: light gray; seat frames, heaters, trim: black;			No	Astro White interior	Yes	
	36	Interior Side Panels: aluminized interior side panels			Yes		Yes	
	37	Lettering: 8" school bus front/rear; bus # front, rear, both sides; 6" school name both sides			No	5" school name both sides	Yes	
	38	Marker Lights: per Iowa code; LED			Yes		Yes	
	39	Mirrors: 6" x 30" interior; heated exterior			Yes		No	Heated and Remoter Per Chapter 44 Iowa Code
	40	Passenger Seating: 52 oz. gray leatherette upholstery, seat belt ready-no belts required			Yes		No	No need for SBR Frames. Lap belts not allowed per Chapter 44 Iowa Code
	41	Radios: must include AM/FM/PA radio w/ electronic tuning and clock. Electronic Engineering's Motorola model MOTOTRBO 2-way radio with Tallysman GPS Spritebox on DMPS' frequency, installed.			Yes		Yes	
	42	Rear Axle: 23,000# capacity; synthetic lube			Yes		Yes	Synthetic lube 5 year warranty
	43	Service Access: front access panels for engine, wiper motors and radiator. lockable electrical panel below driver's window			Yes		Yes	
	44	Shock Absorbers: heavy duty			Yes		Yes	
	45	Side Windows: tinted except storm glass			Yes		Yes	


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ITEM# 1 REQUIREMENT#	DESCRIPTION	NEW EIGHTY-THREE PASSENGER TRANSIT STYLE SCHOOL BUS	Notes	Notes	Notes			
	46	Sound Insulation Package: full length acoustic panels preferred		Yes	Yes			
	47	Steering: power steering with tilt & telescoping wheel		Yes	Yes			
	48	Stepwell: three step stepwell with white tread nosings		Yes	Yes			
	49	Stop and Tail Lights: two 7" and two 4" LED stop & tail lights		Yes	Yes			
	50	Stop Arm: electric w/ red LED strobing lamps, heated mechanism		Yes	Yes			
		Stop Arm Brand		Specialty	Specialty #7980			
	51	Storm Glass: driver's window, entrance door		Yes	Yes			
	52	Sun Visor: 6" x 30" tinted		Yes	Yes			
	53	Suspension: 13,200# front parabolic, 23,000# AIR RIDE rear		Yes	Yes			
		Switches: switch panel left of driver with backlit function coded rocker switches		Yes	Yes			
	54	Throttle: electronic with cruise control		Yes	Yes			
	55	Tires and Rims: 11R22.5 M&S tires; 22.5" X 8.25" steel disc pilot wheels		Yes	Yes			
		Tire Make		Hankook	Goodyear			
		Tire Model		AH12/Z35A	Front 661 Rear G182RSD			
		Tire Rating		LRH	14 ply			
	57	Tow Hooks: two front and two rear		Yes	Yes			
	58	Transmission, Automatic: Allison 3000 PTS 5 speed AOD. synthetic fluid.		Yes	Yes	5 year warranty		
	59	Turn Signal Lights: amber front and rear, amber side mount		Yes	Yes			
	60	Undercoating: underbody incl fuel tank to be completely undercoated		Yes	Yes			
	61	Vandal Locks: locking system for all doors		Yes	Yes			
	62	Warning Lights: 8 light warning system with hoods, or per IA code		Yes	Yes			
	63	Wheelbase: 231"		No	232"	Yes		
	64	Windshield Wipers: wet arm parallelogram with intermittent control		Yes	Yes			
	65	Wiring: color coded & numbered wiring; manual circuit breakers only, no fuses		Yes	Yes			

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ITEM# 2	DESCRIPTION	NEW SIXTY-FIVE CONVENTIONAL PASSENGER SCHOOL BUS		Notes		Notes		Notes
	2 YEAR		2016				2016	3 year/50,000 miles bumper to bumper warranty
	2 MAKE		IC				Thomas	
	2 MODEL		CE				C2	
	2 UNIT	Each						
	2 UNIT PRICE		\$82,657.00		\$86,315.00		\$82,903.00	
	2 ESTIMATED QUANTITY	2						
REQUIREMENT#	1	Air Filter: single stage dry element w/ restriction indicator	Yes		Yes		Yes	
	2	Air Intake, engine: high mount fresh air intake	Yes		Yes		Yes	
	3	Alternator: Delco Remy, 200 amp min	Yes		No	240 amp Leece	Yes	
	4	Back Up Lights: two 7" & two 4" LED backup lights	Yes		No	5" LED	Yes	
	5	Battery: 12 volt, two (2) group 31, 1900 CCA total	No	3 12volt 1950cca	No	3 group 31 2100 CCA total	Yes	
	6	Battery Compartment: skirt mounted with slide out ball bearing tray	Yes		Yes		Yes	
	7	Brakes: air brake system; Q drum brakes; AD-9 dryer; auto slack adjusters; ABS	Yes		Yes		Yes	
	8	Bumpers	7			1/4"	Modulus Factor	
	9	Capacity, Student Rated: 65 passengers	Yes		Yes		Yes	
	10	Cooling System: heavy duty w/ thermostatically controlled electric fans; winterfront	Yes		Yes		Yes	
	11	Cross Gate: electric front mounted cross gate with interrupt switch, heated motor/mechanism	Yes		Yes		Yes	
		Cross Gate Brand	SMI		Specialty		Specialty	
	12	Daytime Running Lights: activated when parking brake released	Yes		Yes		Yes	
	13	Digital Camera System: 247 Security Inc one digital camera system, Zeus DHD 4 channel, installed.	Yes		Yes		Yes	
	14	Dome Lights: double row dome lights plus driver dome	Yes		Yes		Yes	
	15	Driver Seat: air ride pedestal; high backed, 6-way adj. cloth seat, w/ lumbar adjustment; left and right armrests	Yes	Rt arm rest only	Yes		Yes	
		Driver Seat Make	National 2000		National		National	
		Driver Seat Model	National 2000		2000		Air	

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ITEM# 2	DESCRIPTION	NEW SIXTY-FIVE CONVENTIONAL PASSENGER SCHOOL BUS		Notes		Notes		Notes
REQUIREMENT#	16	Emergency Equipment: 5 lb. fire extinguisher; 24 unit FAK; reflective triangle kit; body fluid kit	Yes		Yes		Yes	
	17	Emergency Exits: two low-profile Transpec roof escape hatch/vents; two push-out windows per side	Yes		Yes		Yes	
	18	Engine: diesel engine; 220 HP, 520 lb/ft torque minimum. Inline 6 cylinder REQ'D.	Yes	ISB Cummins 220/520lb	Yes		No	Cummins ISB 220HP 600lb/ft torque
	19	Engine Block Heater: 750 watt min electric with remote receptacle in front body panel	Yes		Yes		Yes	
		Engine Make	Cummins		Cummins		Cummins	
		Engine Model	ISB		ISB13 6.7L		6.7 liter ISB	
	20	Entrance Door: outward opening; air operated; panic free with vandal locks, exterior handle	Yes		Yes		Yes	
		Door Opening Width (Inches)	34		27		30	
	21	Exhaust System	Left side		left side		Rear	
	22	Exterior Colors: National School Bus Yellow with black trim and bumpers, heat cured polyurethane paint. White roof.	Yes		Yes		Yes	
	23	Fenderettes: rubber fender extensions on each wheelhouse	Yes	Rear only	Yes		Yes	
	24	Floor: 5/8" marine grade plywood over galvalume steel floor structure. Blue colored floor covering	Yes		No	Grey colored floor	Yes	
	25	Front Axle: 10,000# capacity; oil hubs, CR seals	Yes	International seals	No	12,000#	Yes	Synthetic oil 5 year warranty
	26	Fuel Inspection Plate: fuel inspection plate to allow access to top of fuel tank	Yes		Yes		Yes	
	27	Fuel System: 60 gallon min. tank, mounted between framereails; right side fill; latched fuel filler door; heated fuel separator	Yes		Yes		Yes	
	28	Gauges, Driver Info Package: speedometer, odometer, tachometer; volts, fuel, water temp, oil pressure gauges, hour meter, high water temp, low oil pressure lights & buzzers	Yes		Yes		Yes	
	29	Header Pads: header pads over all doors	Yes		Yes		Yes	
	30	Headroom: 73" interior headroom minimum	No	78"	No	77"	No	78
	31	Heater Valves: cutoff valves for heater lines	Yes		Yes		Yes	
	32	Heaters: front, driver, midship, rear; all heaters must include aluminum filters; heater booster pump	Yes		Yes		Yes	
		BTU's at all positions	Yes	Driver 90,000 Step 50,000 Mid 50,000 Rear 84,500		Yes		Defrost-High output Step-30,600 Mid-50,000 Rear-84,000

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ITEM# 2 REQUIREMENT#	DESCRIPTION	NEW SIXTY-FIVE CONVENTIONAL PASSENGER SCHOOL BUS		Notes		Notes		Notes
33	Horn: dual electric horns		Yes		Yes		Yes	
34	Ignition Keys: all units keyed identically		Yes		Yes		Yes	
35	Insulation: 2" fire resistant thermal bonded polyester fiber		No	1.5"	Yes		Yes	
36	Interior Colors: interior ceiling: light gray; seat frames, heaters, trim: black;		Yes		No	Astro white	Yes	
37	Interior Side Panels: aluminized interior side panels		No	Embossed Steel	Yes		Yes	
38	Lettering: 8" school bus front/rear; bus # front, rear, both sides; 6" school name both sides		Yes		No	5" school name both sides	Yes	
39	Marker Lights: per Iowa code; LED		Yes		Yes		Yes	
40	Mirrors: 6" x 30" interior; heated exterior		Yes		Yes		Yes	
41	Passenger Seating: 52 oz. gray leatherette upholstery, seat belt ready-no belts required		Yes	Prevail 52oz.	Yes		No	No need for SBR Frames. Lap belts not allowed per Chapter 44 Iowa Code. Fire Block gray upholstery.
42	Radios: must include AM/FM/PA radio w/ electronic tuning and clock. Electronic Engineering's Motorola model MOTOTRBO 2-way radio with Tallysman GPS Spritebox on DMPS' frequency, installed.		Yes		Yes		Yes	
43	Rear Axle: 21,000# capacity; synthetic lube		Yes		Yes		Yes	5 year warranty
44	Rear Suspension: air ride		Yes		Yes		Yes	
45	Service Access: lockable electrical panel below driver's window		Yes		Yes		No	
46	Shock Absorbers: heavy duty		Yes		Yes		Yes	
47	Side Windows: tinted except storm glass		Yes		Yes		Yes	
48	Sound Insulation Package: full length acoustic panels preferred		Yes		Yes		Yes	
49	Steering: power steering with tilt & telescoping wheel		Yes		Yes		Yes	
50	Stepwell: three step stepwell with white tread nosings		Yes		Yes		Yes	
51	Stop and Tail Lights: two 7" and two 4" LED stop & tail lights		Yes		Yes		Yes	
52	Stop Arm: electric w/ red LED strobing lamps, heated mechanism		Yes		Yes		Yes	
	Stop Arm Brand		Yes	Specialty	Yes		Yes	Specialty
53	Storage, Interior: Front bulkhead overhead storage compartment		Yes		Yes		Yes	
54	Storm Glass: driver's window, entrance door		Yes		Yes		Yes	
55	Sun Visor: 6" x 30" tinted		Yes		Yes		Yes	
56	Switches: switch panel left of driver with backlit function coded rocker switches		Yes		Yes		Yes	
57	Throttle: electronic with cruise control		Yes		Yes		Yes	

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ITEM# 2	DESCRIPTION	NEW SIXTY-FIVE CONVENTIONAL PASSENGER SCHOOL BUS	Notes	Notes	Notes			
REQUIREMENT#	58	Tires and Rims: 11R22.5 tires; 22.5" X 7.25" steel disc pilot wheels	Yes		Yes	Yes		
		Tire Make	Hankook		Hankook	Goodyear		
		Tire Model	AH12 and Z35A		AH12/Z35A	Front G661 Rear G622 RSD		
		Tire Rating	14		LRH	14 ply		
	59	Tow Hooks: two front and two rear	Yes		Yes	Yes		
	60	Transmission, Automatic: Allison 2500 PTS 5 speed AOD. synthetic fluid.	Yes		Yes	Yes	5 year warranty	
	61	Turn Signal Lights: LED amber front and rear, amber side mount	Yes		Yes	Yes		
	62	Undercoating: underbody and fuel tank to be completely undercoated	No	Undercoating on underbody only	Yes	Yes		
	63	Vandal Locks: locking system for all doors	Yes		Yes	Yes		
	64	Warning Lights: 8 light warning system with hoods, or per IA code	Yes		Yes	Yes		
	65	Wheelbase: 252"	No	254"	Yes	No	259"	
	66	Windshield Wipers: wet arm parallelogram with intermittent control	Yes		Yes	Yes		
	67	Wiring: color coded & numbered wiring; manual circuit breakers only, no fuses	Yes		Yes	No	Not available with multiplex wiring	

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ITEM#	DESCRIPTION	NEW SIXTY-FIVE PASSENGER WHEEL CHAIR EQUIPPED SCHOOL BUS. Must meet Requirements above in #2 in addition to the		Notes		Notes		Notes
3	YEAR		2016				2016	3 year/50,000 mile bumper to bumper warranty
3	MAKE		IC				Thomas	
3	MODEL		CE				C2	
3	UNIT	Each						
3	UNIT PRICE		\$87,952.00		\$91,345.00		\$88,901.00	
3	ESTIMATED QUANTITY	3						
REQUIREMENT#	1	Lift : Braun Lift "Millenium"	Yes		Yes		Yes	
	2	Lift Door: RHS, immediately behind service door	Yes		Yes		Yes	
	3	Non-W/C Seating : recessed track mounted 39" and 30" seats and barriers; fixed seats rearward of wheelwells	Yes		Yes		Yes	
	4	Railings: left and right side service door step railings	Yes		Yes		Yes	
	5	W/C Positions: five; recessed floor tracks from behind driver position to rear wheel wells	No	4 chairs (see floorplan)	Yes		Yes	
	6	W/C Securement: Q-Straint retractable; lap & shoulder belts	Yes		Yes		Yes	
		To be delivered between July 1, 2015 and August 7, 2015. Can you comply with these dates?	Yes		Yes		Yes	
		Unit Price:	\$170,609.00		\$275,076.00		\$269,616.00	
		Total Price:	\$429,170.00		\$641,497.00		\$628,133.00	