

Iowa Department of Transportation
 DOT Responsee to Bidder Requests for Clarifications, Changes, and Approved Equals
 for Bid No. PTS2021LDB
 ADA Accessible Vehicles for Public Transit

Item Number	Group	Group Description	Section	RFP Description	Action Requested	Proponent Response/Inquiry
26	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Dimensons	The minimum interior height will be 61 inches at the center of the interior roof.	Will you accept 60" inches at the Center of the van as well as at the driver and passenger position?	Accepted as Approved Equal
27	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	Engine will be gasoline - 3.3L-3.7L V-6, FFV engine with electronic fuel injection (or approved equal); drive train will be adequate for GVWR and will maintain 70 mph, except when a lesser speed is recommended by the manufacturer	The 2022 Chrysler Voyager LX comes standard with a 3.6L V-6 DOHC SMPI 24 valve engine with VVT variable valve control, cylinder deactivation. The bid lists an old spec for a caravan that does not exist anymore.	Accepted as Approved Equal
28	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	OEM Engine block heater (accessible from front preferred)	The 2022 Chrysler Voyager LX does NOT have an available option for Engine Block Heater.	OEM Engine Block Heater Requirement removed for Group 1
29	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	Automatic transmission - 4 speed, with electronically controlled overdrive	The 2022 Chrysler Voyager LX comes standard with a 9-speed electronic automatic transmission with overdrive. The 4 speed was for the discontinued Caravan.	Accepted as Approved Equal
30	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	Stereo shall be OEM AM/FM/CD stereo with front and rear factory speakers	The 2022 Chrysler Voyager LX comes standard with SiriusXM AM/FM/Satellite, clock, seek-scan, Uconnect 5 external memory control, 6 speakers but no CD.	Accepted as Approved Equal
31	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Exhaust	Exhaust system shall be OEM factory.	The exhaust system cannot remain OEM due to the lowered floor conversion process. We do re-use the OEM muffler and all stainless steel materials.	Accepted as Approved Equal
32	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Flooring	Floor Covering Material: Minimum 2 mm thick commercial grade vinyl transit floor covering shall cover the entire floor surface; seams shall be filled with color matching material so as to be tight against any influx or seepage of moisture; the floor covering shall be thoroughly secured into position throughout the entire floor area; the flooring should possess anti-skid properties (Altro Transflor Meta, Chroma, or equivalent).	The conversion utilizes Gerflor Tarabus Sirius transit floor covering meet all the requirements of the specification.	Accepted as Approved Equal

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33	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Doors and Exits	Right side door (mobility aid user accessible entry door) shall be OEM and extended from floor level up to provide a minimum entry height of 56 inches; usable ramp width shall be a minimum of 30 inches, and floor-to-ground height shall be no more than 12 inches; if required, door extensions shall be constructed of aluminized steel or stainless steel.	The floor to ground height of the conversion is 12.5" inches.	Accepted as Approved Equal
34	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Ramp and Related Access Features	Ramp shall be curb side mounted (also can be folding) with a width minimum of 30 inches and hinged at rear of sliding passenger entry door to swing outward using manual actuation from a stowed vertical position parallel to the curbside, sliding passenger door entry; ramp incline shall comply with ADA slope maximum with vehicle kneeling actuated and using a flat parking surface with a curb.	I just want to clarify that the conversion does NOT have a suspension kneeling system. The conversion and ramp slope is ADA compliant without the use of a suspension kneeling system.	Accepted as Approved Equal
35	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Seating for Ambulatory Passengers and Restraint Features	Passenger Restraint: restraints shall be furnished for all passengers (including ambulatory passengers, driver, and mobility aid users) consisting of shoulder seatbelts and/or lap belts; each belt or any restraining system shall be equipped with an automatic retractor; securement devices, both for ambulatory and mobility aid passengers shall meet all state and federal standards.		Accepted as Approved Equal
36	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Wheels & Tires	The full-size spare tire shall mount underneath the vehicle and be secured with an easily accessible carrier; tire changing equipment, as provided by the OEM, shall include a jack of sufficient strength/capacity and other tools necessary for changing the mounted tires, stored in OEM compartment.	The conversion does NOT offer a mounting location underneath the vehicle. The full size spare tire can be mounted on a rack in the rear hatch area or the OEM inflatable spare tire can be provided in the OEM location. The OEM location is tucked behind a panel in the hatch area completely out of the way of rear hatch storage. Please note the inflatable spare tire is part of the OEM standard equipment for a 2022 Chrysler Voyager.	Accepted as Approved Equal

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37	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Floor Modification	The lowered floor skin shall be constructed of 16 gauge or thicker aluminized steel; the frame rails shall be made of 14 gauge formed channels; the floor shall be reinforced with 16 gauge or thicker formed channel cross ribs or 1.5 inch tubular frame members; the floor shall be lowered from the front firewall to just before the rear axle; the width of the floor shall extend from side doorsill to side doorsill; mobility aid restraint tracks and seat locks shall be beveled, with no sharp edges and will protrude no more than 1/4 inch above the floor surface.	The minivan conversion utilizes 20 gauge Aluminized steel to construct the lowered floor skin.	Accepted as Approved Equal
80	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	Stereo shall be OEM AM/FM/CD stereo with front and rear factory speakers	O.E.M Radio don't have CD option. Is Bluetooth acceptable equal?	Accepted as Approved Equal. Also see Item Number 13.
81	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Wheels & Tires	The full-size spare tire shall mount underneath the vehicle and be secured with an easily accessible carrier; tire changing equipment, as provided by the OEM, shall include a jack of sufficient strength/capacity and other tools necessary for changing the mounted tires, stored in OEM compartment.	Conversion will not allow full size spare mounted under vehicle.	Accept option provided of smaller spare tire mounted behind third seat or Inflatable Compact Spare Tire
90	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Dimensions	The minimum interior height will be 61 inches at the center of the interior roof.	Please accept a minimum interior height of 59.75".	Accepted as Approved Equal

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91	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Ramp and Related Access Features	The vehicle shall be equipped with a manually operated mobility access ramp that is operated through the right-side door. Ramp shall be curb side mounted (also can be folding) with a width minimum of 30 inches and hinged at rear of sliding passenger entry door to swing outward using manual actuation from a stowed vertical position parallel to the curbside, sliding passenger door entry; ramp incline shall comply with ADA slope maximum with vehicle kneeling actuated and using a flat parking surface with a curb.	We ask that this swing out requirement be waived and request approval for a Manual, 30" wide, Bi-Fold Out Ramp with 1,000# rating.	Accepted as Approved Equal
92	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Ramp and Related Access Features	Ramp shall be curb side mounted (also can be folding) with a width minimum of 30 inches and hinged at rear of sliding passenger entry door to swing outward using manual actuation from a stowed vertical position parallel to the curbside, sliding passenger door entry; ramp incline shall comply with ADA slope maximum with vehicle kneeling actuated and using a flat parking surface with a curb.	We request that the kneeling feature be waived/eliminated as a requirement for ADA compliance. We meet the ADA requirement for the ramp angle without the kneeling feature.	Accepted as Approved Equal
93	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Doors and Exits	Minivan shall have OEM driver and passenger front doors; rear side doors may be modified (extended to floor level) with the right side being the mobility aid ramp door.	We request approval of Aluminum Door Extensions that are mechanically fastened to OEM doors as approved equal.	Accepted as Approved Equal
94	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Doors and Exits	If side doors slide, they must be equipped with an interlock system so that the door cannot be opened from the inside or outside when the fuel door is open.	If side doors slide, they must be equipped with an interlock system so that the STREETSIDE door cannot be opened from the inside or outside when the fuel door is open. Please acknowledge and insert the word Streetside, for the fuel door operation.	Accepted as Approved Equal

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95	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Doors and Exits	Rear door shall be provided with a quick release, manual override for opening the door from inside the vehicle, capable of opening the door even if the door is locked; the vehicle override device shall be spring loaded and mounted on the inside of the rear door to prevent accidental release; a decal shall be provided showing operating instructions.	Why does this device have to be spring loaded?	Quick release manual override for opening door accepted as approved equal
96	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Exhaust	Exhaust system shall be OEM factory.	Please accept modified Exhaust pipe from FSM as the requested is not possible due to the lowered floor.	Accepted as Approved Equal
97	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	There must be a minimum of five (5) inches clearance between the break-over angle position of the vehicle exhaust pipe and level ground when loaded with 1,100 lbs. maximum.	Please accept 4.75" for minimum clearance for this requirement.	Accepted as Approved Equal
98	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	OEM Engine block heater (accessible from front preferred)	Requesst Removal	Approved; See also Iten Number 28
99	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	Automatic transmission - 4 speed, with electronically controlled overdrive	Please accept 9 speed OEM transmission as a 4 speed is not available from OEM.	Accepted as Approved Equal
100	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Chassis Components	Stereo shall be OEM AM/FM/CD stereo with front and rear factory speakers	This Stereo is not available from the OEM, please accept OEM MEDIA HUB-2 USB, FULL FUNCTION, AUX (RSF) AM/FM/SXM/6 SPEAKERS.	Accepted as Approved Equal. Also see Item Number 13.
101	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Seating for Ambulatory Passengers and Restraint Features	Rear Seat: the rearmost passenger seat shall be the OEM rear bench seat, capable of comfortably accommodating two adult passengers, and is to be covered with OEM upholstery to match the driver and front passenger seats; if modified, the OEM seat base is to be at a height that will permit seated passengers to have nearly the same knee to floor distance as with OEM standard body and seat.	Please accept a "Fold Down Footrest" to accomplish knee to floor distance as OEM.	Accepted as Approved Equal

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102	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Body Modifications	OEM minivan can be modified to permit ramp accessibility compliant with ADA requirements through alterations to the existing sidewalls and floor in a manner that maintains OEM structural equivalence; all metal components that are added shall be welded by certified technicians and made corrosion resistant through a commercial primer application or the use of stainless steel material.	Please accept complete Powder Coating Process to satisfy this requirement, please accept.	Accepted as Approved Equal
103	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Sealing, Rust proofing, and Undercoating	All exposed floor seams shall be sealed with an industrial grade butyl sealant or equivalent which conforms to ASTM C920; the entire surface of exterior floor shall have a rust inhibiting coating, such as an epoxy primer base, applied to cover all welded areas (if any), and a fresh application of undercoating over the entire surface; undercoating material will be non-hardening and non-chipping and shall comply with current Federal and State flammability standards; no warranties will be reduced or limited by the application of undercoating.	Please accept complete Powder Coating Process to satisfy this requirement, please accept.	Accepted as Approved Equal
104	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Floor Modification	The lowered floor skin shall be constructed of 16 gauge or thicker aluminized steel; the frame rails shall be made of 14 gauge formed channels; the floor shall be reinforced with 16 gauge or thicker formed channel cross ribs or 1.5 inch tubular frame members; the floor shall be lowered from the front firewall to just before the rear axle; the width of the floor shall extend from side doorsill to side doorsill; mobility aid restraint tracks and seat locks shall be beveled, with no sharp edges and will protrude no more than 1/4 inch above the floor surface.	Please accept complete Powder Coating Process to satisfy this requirement, please accept.	Accepted as Approved Equal

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105	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Wheels & Tires	The full-size spare tire shall mount underneath the vehicle and be secured with an easily accessible carrier; tire changing equipment, as provided by the OEM, shall include a jack of sufficient strength/capacity and other tools necessary for changing the mounted tires, stored in OEM compartment.	A Full-Size Spare Tire is not available from OEM. Please accept an Inflatable Compact Spare Tire included and stowed inside the rear interior quarter panel, streetside.	Accepted as Approved Equal
106	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Warranty	Bumper-to-bumper warranty shall apply for three years or 36,000 miles after delivery, whichever comes first.	To clarify, this does not include wearable parts, please accept.	Warranty is bumper to bumper
107	1	ADA Transit Minivan with Lift/Ramp Minimum Required Specifications (Model Year 2021 or newer)	Floor Modification	The FSM modification to the unibody shall be OEM approved and suitably reinforced to prevent undue body flexing throughout the vehicle life; a copy of this approval and details about the modifications entailed in the ADA conversion process shall be provided prior to award of contract and preferably with the bid.	We will submit complete Altoona Test Certification and MGA Crash Test Data with Bid, please accept.	Accepted as Approved Equal
1	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Body/Body Modifications:	Van shall have a full frame (not a unibody), which has been unaltered.	Request changing spec to include a Unibody van	Accepted as Approved Equal
2	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Chassis Components:	Fuel system will have largest available fuel tank by OEM.	Please clarify Do you want the largest standard OEM fuel tank on the Ford Transit which is 25 gallons. Or is the state requesting the optional 31 gallon tank which is available as an option from Ford at an additional cost?	The largest available fuel tank by OEM. In the example that is a 31 gallon tank.
3	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Chassis Components:	Stereo shall be OEM AM/FM/CD stereo with front and rear factory speakers.	Please delete the CD on the radio. This is longer available from Ford	Noted. Also See Item Number 13.
4	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Chassis Components:	Power driver's seat.	When ordering the power driver seat Ford now includes a power front passenger seat. Is this acceptable	Accepted as Approved Equal
5	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Chassis Components:	Operable passenger side windows.	Please clarify, the specs are asking for Operable passenger side windows. Is the state referring to the side window on the front passenger seat? Ford Transit OEM windows in the rear passenger area are not operable.	Yes
6	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Electrical	Battery will be minimum 600 CCA (cold cranking amperes.)	We are requesting the state change the specs to include dual batteries.	Accepted but not required

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11	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Body/Body Modifications	Van shall have a full frame (not a unibody), which has been unaltered.	In the solicitation, it requests the van to have a full frame (not unibody). The new model full size Transit vans are now built as a unibody frame unlike the older E-series vans. Please accept the OEM unibody frame.	Refer to Item Number 1
12	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Body/Body Modifications	All interior panels shall be OEM or OEM equivalent; the interior shall be without any unprotected sharp edges; all interior panels shall meet FMVSS 302; all interior panels shall provide sound absorption and provide a thermal barrier.	In the solicitation, it requires the interior & exterior panels to meet FMVSS 302. Please accept the OEM panels instead of aftermarket fiberglass panels.	Accepted as Approved Equal
13	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Chasis Components	Stereo shall be OEM AM/FM/CD stereo with front and rear factory speakers.	In the solicitation, it requires the OEM AM/FM/CD stereo, whereas most OEM stereos no longer come with a CD player and now have an auxiliary input. Please accept the OEM AM/FM/AUX stereo.	Accepted as Approved Equal. Also see Item Number 3.
14	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Flooring	In the cargo/wheelchair position area, pressure treated 3/4" marine grade plywood (or equivalent) shall be installed over the OEM metal floor.	In the solicitation, it requires 3/4" marine grade plywood or equivalent. Please accept the equivalent of a floor base material as a minimal thickness of 3/4" thick composite, water resistant substrate fully encapsulated with an FMVSS 302 compliant polyuria finish to provide a slip resistant surface while creating a barrier which is impervious to environmental elements.	Accepted as Approved Equal
15	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Securements and Restraint Systems for Mobility Aid Users (MAU)		In the solicitation, it requests recessed anchor points installed length-wise. Please accept the same recessed track that allows for 4 securement points, 2 in front of the wheelchair and 2 behind the wheelchair, installed side to side meeting the requirement for 2 wheelchair positions and exceeding the minimum ADA spacing requirements.	Accepted as Approved Equal

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16	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Delivery	Vehicles may be driven up to 750 miles (not to exceed 750 miles on the new vehicle's odometer) from the factory or dealership to the final delivery point detailed in the purchase order.	In the solicitation, it requires that vehicle driven for delivery must have the warranty start at the mileage (under 750) at the time of delivery when submitting the delay warranty form. With full size vans, the vehicle does not have a delay warranty as they are considered a completed vehicle and the warranty expires at 36000 miles. Please accept the OEM warranty requirements of 36000 vehicle miles and 3 years from the delivery date.	Accepted as Approved Equal; See also Item Number 17
17	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Warranty	Bumper-to-bumper warranty shall apply for three (3) years or 36,000 miles after delivery, whichever comes first.	In the solicitation, it requires that vehicle driven for delivery must have the warranty start at the mileage (under 750) at the time of delivery when submitting the delay warranty form. With full size vans, the vehicle does not have a delay warranty as they are considered a completed vehicle and the warranty expires at 36000 miles. Please accept the OEM warranty requirements of 36000 vehicle miles and 3 years from the delivery date.	Accepted as Approved Equal; See also Item Number 16
18	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Bus Testing	Manufacturer and Model Offered - Responders must include detailed information on the manufacturer's make and model that is being offered to the State. The manufacturer of the vehicle identified in response to these specifications will submit with the proposal document a certification issued by the Altoona testing facility, unless an exception is granted in writing prior to the proposal opening based on previously submitted documents.	Our conversion will be on an OEM Ford Transit. Ford Transit vans are exempt from testing per the FTA. We classify as 4year/ 100,000 mile. Since the conversion is not Body on chassis, and is a Ford OEM design with minimal changes, Altoona testing is not required. Request to remove this requirement from this group.	Accepted as Approved Equal; See also Item Number 10

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19	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Body / Body Modifications	Federal and State requirements including FMVSS #220 Rollover Protection and FMVSS #221 Joint Strength must be met; the body shall be designed to standards, as required by Federal and State standards for shear static load on the roof and side panel impact protection.	We will be doing our conversion on the Ford OEM Transit Wagon with a complete interior from the Ford factory, as well as to body structure. Since we do not modify the original structural design and or interior and these being school bus requirements, we do not test or certify for FMVSS 220 or 221. While these requirements are common on Cutaways, and Buses, they are not typical in a conversion that does not modify body structure or interior paneling. Request to remove this requirement from this group.	Accepted as Approved Equal
108	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Dimensions	Flat wall design on side walls.	Please accept OEM Ford Interior sidewalls.	Accepted as Approved Equal
109	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Body / Body Modifications	Van shall have a full frame (not a unibody), which has been unaltered.	Please allow a Ford Transit Unibody in addition to the full frame specification. Unibody was approved in 2018 bid.	Accepted as Approved Equal
110	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Body / Body Modifications	Federal and State requirements including FMVSS #220 Rollover Protection and FMVSS #221 Joint Strength must be met; the body shall be designed to standards, as required by Federal and State standards for shear static load on the roof and side panel impact protection.	Request that Group 2 be exempt from FMVSS 220 & 221 Testing if bidding a Transit Unibody. NHTSA does not regulate these tests on transit unibodies. This was approved in the 2018 bid.	Accepted as Approved Equal
111	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Body / Body Modifications	[Full Section]	Please accept OEM Ford interior and exterior components.	Accepted as Approved Equal
112	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Glass	Windshield shall be OEM deep tinted from the upper frame to minimum four (4) inches down as measured from the outside of the vehicle.	Please accept Ford OEM Standard Windshield.	Accepted as Approved Equal
113	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Heating & Cooling	The OEM dual front and rear heating/defrosting and air conditioning system shall be provided.	Please accept Ford OEM standard front and rear AC/Heat or, provide clarification if an auxiliary system needs to be installed in the rear of the van. This was approved in 2018 bid.	Accepted as Approved Equal
114	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Lighting	Rear lift entrance shall have outside illumination.	Please accept the standard platform lights that come on the lift for the rear lift outside illumination. Lift brochure attached.	Accepted as Approved Equal

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115	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Support Bid Documentation	Wheelchair placement and seating arrangements (to scale and labeled); provide floor plan for both	Please accept unscaled floor plans that have measurements added for reference.	Denied
119	2	ADA Transit Conversion Van per specification, M.Y. 2021 or newer (must indicate)	Flooring	Non-skid (R.C.A Rubber, Altro Commercial Flooring, or equivalent) shall be installed over the plywood sub-floor.	Please accept Gerflor as an AE. It is an upgrade from RCA rubber and equivalent to Altro.	Accepted as Approved Equal
20	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Dimensions	Powered passenger entrance door controlled by driver with switch on dash.	Request to have the switch for the passenger door to be located on the engine cover / lower dash	Switch must be easily accessible to driver while in driver seat.
21	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Electrical	Alternator will be largest O.E.M. available - minimum of 130 amps rating.	The Ford chassis comes with a 210-amp alternator. Do we need to upgrade to the Ford 240-amp alternator?	The largest available alternator by OEM is required.
22	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Body Construction	Floor - The floor will be marine grade plywood, 3/4" thick minimum or equivalent performance composite. Floor Covering Material: Minimum 2 mm thick commercial grade vinyl transit floor covering shall cover the entire floor surface; seams shall be filled with color matching material so as to be tight against any influx or seepage of moisture; the floor covering shall be thoroughly secured into position throughout the entire floor area; the flooring should possess anti-skid properties (Altro Transflor Meta, Chroma, or equivalent). Floor covering must meet FMVSS 302 and ADA requirements.	Request 2.25mm Gerflor Tarabus floor as an equal to Altro	Accepted as Approved Equal
23	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Vehicle Features	Stereo shall be OEM AM/FM/CD stereo with front and rear factory speakers.	Ford OEM radio is now AM/FM/Bluetooth and is not offered with a CD player. Request approval.	Noted. Also See Item Number 13.
38	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Chassis Components	Engine will be gasoline - 3.3L-3.7L V-6, FFV engine with electronic fuel injection (or approved equal); drive train will be adequate for GVWR and will maintain 70 mph, except when a lesser speed is recommended by the manufacturer.	Request engine to be 7.3L Gas (E series) or 3.6L Gas (Transit). 6.8L no longer available	Accepted as Approved Equal

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39	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Flooring	In the cargo/wheelchair position area, pressure treated 3/4" marine grade plywood (or equivalent) shall be installed over the OEM metal floor.	Will you accept Coosa composite floor Panels BW20 3/4" in lieu of 3/4 Marine Plywood. This long lasting composite non- wood Flooring is an upgrade for most manufactures and will not rot like even marine plywood eventually does.	Accepted as Approved Equal
40	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Flooring	Non-skid (R.C.A Rubber, Altro Commercial Flooring, or equivalent) shall be installed over the plywood sub-floor.	Please accept standard Gerflor in lieu of Altro. I will have Altro available as an option. Gerflor and Altro are direct competitors for the bus market offering similar no skid transit flooring with multiple styles and colors	Accepted as Approved Equal
82	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Vehicle Features	O.E.M. or equivalent, AM/FM/CD Digital Clock Radio with 4 speakers mounted in the passenger compartment.	FORD O.E.M RADIO DON'T HAVE CD OPTION. IS BLUETOOTH ACCEPTALBE EQUAL?	Accepted as Approved Equal. Also see Item Number 13.
116	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Chassis Components	Engine will be gasoline – 6.0-6.8L (or approved equal). Drive train will be adequate for GVWR and will maintain 70 mph, except when a lesser speed is recommended by the manufacturer. Will be equipped with fast (high) idle.	Please accept the 7.3L gasoline engine.	Accepted as Approved Equal
117	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Vehicle Features	O.E.M. or equivalent, AM/FM/CD Digital Clock Radio with 4 speakers mounted in the passenger compartment.	Please accept aftermarket Jensen JBR550 AM/FM/CD W/built-in clock.	Accepted as Approved Equal
120	3	Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases, with lift (Model Year 2021 or Newer)	Body Construction	Floor - The floor will be marine grade plywood, 3/4" thick minimum or equivalent performance composite. Floor Covering Material: Minimum 2 mm thick commercial grade vinyl transit floor covering shall cover the entire floor surface; seams shall be filled with color matching material so as to be tight against any influx or seepage of moisture; the floor covering shall be thoroughly secured into position throughout the entire floor area; the flooring should possess anti-skid properties (Altro Transflor Meta, Chroma, or equivalent). Floor covering must meet FMVSS 302 and ADA requirements.	Please accept Gerflor as an AE. It is an upgrade from RCA rubber and equalate to Altro.	Accepted as Approved Equal

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41	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	-	Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	We request approval of a wheel base of 179.8". We do not utilize the OEM chassis frame rails. We remove them and utilize our own, purpose-built, low-floor chassis frame using high alloy, high strength steel. We also push the location of the tires out 6" on each side so that our turning radius is the tightest in its class at only 22' 5". Please see video "Frontrunner in the Snow" on our website: https://www.newenglandwheels.com/useful-videos	Accepted as Approved Equal
42	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chassis Components	Rear suspension - The chassis O.E.M. rear leaf spring type suspension system of each vehicle shall be modified by the addition of a supplemental rubber suspension system, i.e. MOR/ryde RL, E-Z Ride or approved equal	Because we make our own purpose-built, low-floor chassis frame we do not utilize the OEM suspension system. We request approval of our rear air suspension which incorporates an automated air management system with electronic height sensor (EHS) mounted to the vehicle frame. When load is added to the vehicle, the magnet will rise above the EHS centerline and after 15-20 seconds will add air to the air bags to maintain the programmed height. When weight load is removed from the vehicle, the magnet will fall below the EHS centerline and will energize the exhaust solenoid after 15-20 seconds allow air to escape the air bags until the magnet is re-centered restoring the vehicle to its programmed height. Rear air suspension incorporates a kneeling feature which accomplishes a maximum first step entry height of 10.75" when kneeled.	Accepted as Approved Equal
43	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chassis Components	Power steering, tilt steering wheel and cruise (speed) control.	We request approval of power steering with telescoping wheel and cruise control. Ram Promaster 3500 does not offer tilt.	Accepted as Approved Equal

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44	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chassis Components	12 Volt system minimum, dual batteries with minimum 1100 CCA's total at 0 degrees (F).	We request approval of a single, AGM battery with a total of 800 CCA. Due to advancements in technology including the use of LED lighting and more efficient climate systems that dramatically reduce amperage draw and our vision of developing the Frontrunner with the latest, most efficient components, it is not necessary to utilize two batteries. Additionally, being a lowered-floor design, there is no space in the skirt where a second battery has historically been installed. The battery is located in an easily-accessible, weather-tight compartment on the floor in front of the driver's seat. We will provide as part of our technical package the amperage draw report of the Frontrunner per Iowa DOT specifications showing that the battery provided is more than adequate in running all vehicle equipment.	Accepted as Approved Equal
45	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	The floor will be marine grade plywood, 1/2" thick minimum. The floor covering will be slip-resistant transit-floor rubber (minimum 20% SBR), color other than black, with ribbed step treads and ribbed section in aisle and a two (2) inch wide band of contrasting color on step edges and aisle threshold directly behind driver. Floor covering must meet FMVSS 302 and ADA requirements.	Please accept that the flooring used in the bus will be a composite flooring. Coosa composite structural floor panels. It is a non-absorbent closed cell, lightweight composite. It is rated for extreme durability and dimensionally stable, with sound and thermal insulation, resistant to contamination and extreme temperature range. It is guaranteed for life to never swell, rot or mildew.	Accepted as Approved Equal
46	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	The floor will be marine grade plywood, 1/2" thick minimum. The floor covering will be slip-resistant transit-floor rubber (minimum 20% SBR), color other than black, with ribbed step treads and ribbed section in aisle and a two (2) inch wide band of contrasting color on step edges and aisle threshold directly behind driver. Floor covering must meet FMVSS 302 and ADA requirements.	We request approval of slip-resistant, industry standard Altro floor rubber. The description here is indicative of RCA rubber flooring which used to be widely used but has become increasingly scarce. Being a low floor vehicle, there are no step edges but there is a yellow band of Altro rubber at the passenger entry.	Accepted as Approved Equal

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47	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Windows will be transit type passenger windows on each side.	We request approval of our solid pane, polycarbonate windows offering superior impact resistance over tempered glass. The large windows feature the technology from "Optic Armour" and offer 200X the impact resistance over tempered glass. Windows will be I35 Dark Grey @ .118" thickness. Light transmission for the passenger windows is 18%. Two (2) egress windows measure 54" x 34". Three (3) solid-pane windows measure 41" x 46". Rear window is 19" x 62"	Accepted as Approved Equal
48	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Undercoating - Entire body will be undercoated with a non-hardening and non-chipping material. Chassis will be rust-proofed to O.E.M standard. No warranties will be reduced or limited by the application of undercoating.	The Frontrunner is the only vehicle on the market whose complete purpose-built lowered-floor chassis undergoes a "hot dip galvanization" process. This is the most superior form of corrosion resistance available for protecting steel from potential corrosion. The hot bath alters the molecular structure of the steel creating self-healing properties. When the surface of the frame is nicked, zinc interacts with oxygen in the air to heal the damaged area. Undercoating is not only unnecessary but is detrimental to the protection provided by our hot-dip process. Please see attached.	Accepted as Approved Equal
49	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Mud flaps will be installed on front and rear (large enough to cover duals).	FCA OEM mud flaps are contained on the front wheels while the rear wheel construction and design serves the purpose of a traditional mud flap while being integrated into the wheel well.	Accepted as Approved Equal
50	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Passenger Seats - Forward facing medium-back (21-26" from top of seat cushion to top of seat back) double seats secured to the vehicle floor in accordance with FMVSS #207. Single seats may be used on narrow bodied vehicles and where dictated by standard floor plans. Seats will have a minimum of 17-inch cushion width and depth per person. All buses to have track type seat anchorages, to allow users to easily rearrange seating configurations.	We request approval of the seats being bolted to the floor frame for added durability and safety. Seat tracks are not available on our vehicle.	Accepted as Approved Equal

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51	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Seat Belts - Must meet FMVSS #209 and #210. The driver's seat will be equipped with a retracting seat belt. All standard passenger seats will be equipped with under seat mounted retracting adult seat belts, except seats against rear of bus, which will have non-retracting seat belts.	The seats utilized in the Frontrunner are the Freedman Go-ES passenger, 3 point passenger seat with 3-point seat belts incorporated into the seat itself.	Accepted as Approved Equal
52	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	All flip seats and fold-away seats are to be double (two-passenger) forward facing seats unless otherwise specified.	We request approval of the side-facing Freedman Wall Seat in lieu of forward-facing folding seats. Our vehicle will not accommodate the forward-facing seat. Please see attached. All Wall Seats are equipped with retractable seatbelts and arm rests on each side of seat.	Accepted as Approved Equal
53	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Heating Systems - Dual; one (1) in front which will be the standard heater supplied in the chassis and one (1) rear heater. Rear heater will be rated at 65,000 BTU's minimum, controlled at driver's console. Each heater will be fused and switched separately. Air Conditioning System - will have chassis factory air conditioning plus a rear air conditioner unit to obtain 52,000 BTU minimum, with a minimum of three (3) blower speed settings, controlled at driver's console. Air Conditioning System will use non-corrosive, positive seal hose system to avoid leakage. If skirt mounted, condenser will have a cover for winter protection.	Vehicle equipped with OEM front AC and Heat. HEAT/ AC Prep Package: RT6595 Roof Mounted Evaporator / Combo Cool 65K BTUs/ Heat 95K BTUs Max Dual Compressor Ducted A/C System. Both A/C and Heating systems are controllable by switches in the driver's dash and overhead control panel. Pro Air RT6595 roof mounted evaporator/condenser dual A/C and Heat Max Dual A/C compressor system. High pressure protection 'O' ring connection. Two sealed high capacity 11" fans. Two 78" interior ducts with 5 adjustable louvers per side. Air flow rate of 1150 CFM (cubic feet per minute) minimum.	Accepted as Approved Equal
54	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Defroster fan - mounted on right side of dashboard or above windshield and controlled at driver's console.	We request removal of this requirement on our vehicle. The OEM defrosting capabilities are more than efficient to defrost the area unlike larger, less efficient vehicles.	Accepted as Approved Equal
55	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Other	Extra vision window(s) in transition panel between chassis fender and front right-side passenger loading area.	This is a spec for a larger sized cutaway bus. Our vehicle is designed differently, so there is not a large transition panel that would require extra glass for visibility - visibility is not impeded by our design.	Accepted as Approved Equal

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56	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Other	Vertical stanchion and cross rail, with modesty panel, between entry door and front row of seats.	Please accept our design of two vertical stanchions and full height panel behind driver. Please see attached.	Accepted as Approved Equal
57	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Other	O.E.M. or equivalent, AM/FM/CD Digital Clock Radio with 4 speakers mounted in the passenger compartment.	We request approval of the two (2) OEM speakers with two (2) additional speakers in the passenger compartment. Due to the size, design and quiet ride of our vehicle, two (2) speakers is all that is necessary.	Accepted as Approved Equal
58	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chassis Components	Engine block heater, minimum 600 watts, installed with a cord and electric plug accessible from the front of the vehicle with the hood closed.	not available and not needed on smaller Promaster chassis.	Accepted as Approved Equal
59	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chassis Components	Gauges - full gauge package including fuel, oil pressure, water temperature, amp meter, or voltmeter.	No OEM volt meter available on the OEM Promaster dash gauges	Accepted as Approved Equal
60	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chassis Components	12 Volt system minimum, dual batteries with minimum 1100 CCA's total at 0 degrees (F).	The MT-1 does not have dual batteries, a Promaster with a manual Ramp only has one starting battery because that is all that is needed.	Accepted as Approved Equal
61	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chassis Components	Batteries will be in a skirt-mounted battery box with access door.	Skirt Mounted battery box- with only one battery needed it will be left in the OEM location.	Accepted as Approved Equal
62	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chassis Components	Redundant ground between chassis and power unit at two locations.	Manufacture will utilize OEM ground on this Unibody chassis and not try and create their own such as would be required on a cutaway body on frame chassis.	Accepted as Approved Equal
63	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Floor - The floor will be marine grade plywood, 3/4" thick minimum. The floor covering will be slip- resistant transit-floor rubber (minimum 20% SBR), color other than black, with ribbed step treads and ribbed section in aisle and a two (2) inch wide band of contrasting color on step edges and aisle threshold directly behind driver. Floor covering must meet FMVSS 302 and ADA requirements.	Would you accept the standard MT-1 floor composed of 5/8 marine plywood in lieu of 3/4 Marine. The 5/8 is used to not exceed weight limits of the smaller chassis.	Accepted as Approved Equal
64	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Windows will be transit type passenger windows on each side.	Would you accept OEM Promaster passenger windows in lieu of "transit Type"	Accepted as Approved Equal

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65	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Storage compartments, with door and latch, totaling 3 cubic feet minimum.	Large 3cu/ft storage above driver is not possible on the smaller slant roof Ram Promaster.	Accepted as Approved Equal
66	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Mud flaps will be installed on front and rear (large enough to cover duals).	No mud flaps are available or required on the OEM Promaster. They are equipped with wheel wells and fenders.	Accepted as Approved Equal
67	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Passenger Seats - Forward facing medium-back (21-26" from top of seat cushion to top of seat back) double seats secured to the vehicle floor in accordance with FMVSS #207. Single seats may be used on narrow bodied vehicles and where dictated by standard floor plans. Seats will have a minimum of 17-inch cushion width and depth per person. All buses to have track type seat anchorages, to allow users to easily rearrange seating configurations.	The spec asks for double seats and the MT-1 does not have double seats available only single seats that are fixed not moveable due to the low floor wheel chair layout. Please see attached floor plan.	Accepted as Approved Equal
68	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Seat materials - All seat materials must meet FMVSS #302. Cloth upholstery is standard with color to be selected by purchaser from several available colors or patterns.	The bid asks for Cloth seats but the Promaster OEM driver seat comes in Vinyl. The passenger seats can be cloth.	Accepted as Approved Equal
69	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Seat Belts - Must meet FMVSS #209 and #210. The driver's seat will be equipped with a retracting seat belt. All standard passenger seats will be equipped with under seat mounted retracting adult seat belts, except seats against rear of bus, which will have non-retracting seat belts.	Please accept the MT-1 upgraded 3 point seat belts in lieu of the 2 point under seat retractable.	Accepted as Approved Equal
70	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Heating Systems - Dual; one (1) in front which will be the standard heater supplied in the chassis and one (1) rear heater. Rear heater will be rated at 65,000 BTU's minimum, controlled at driver's console. Each heater will be fused and switched separately.	The Mt-1 will come with a 35K BTU rear heater in lieu of the 65K BTU heater in the spec. The 35K is an upgrade from the standard MT-1 heater and will be more than enough for this small unit.	Accepted as Approved Equal

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71	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Air Conditioning System - will have chassis factory air conditioning plus a rear air conditioner unit to obtain 52,000 BTU minimum, with a minimum of three (3) blower speed settings, controlled at driver's console. Air Conditioning System will use non-corrosive, positive seal hose system to avoid leakage. If skirt mounted, condenser will have a cover for winter protection.	In lieu of a 52K BTU A/C that was intended for a full size cutaway bus please accept the 35K BTU rear A/C on the MT-1. This is an upgrade in capacity from the standard A/C that is usually provided and should be more than enough on this smaller Promaster body.	Accepted as Approved Equal
72	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Defroster fan - mounted on right side of dashboard or above windshield and controlled at driver's console.	Standard dash defrost is more than enough on this smaller Promaster and there really is not a need or a location for a stand alone defrost fan. The rear windows will also have their own OEM defrost.	Accepted as Approved Equal
73	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Daytime Running Lights - module to hook up must be relay type (transistor type not allowed).	These are not available on the MT-1 Promaster.	Accepted as Approved Equal
74	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Fresnel (fish-eye) lens will be provided for the back of the bus to permit the driver to view behind the rear bumper area.	The manufacture recommends against this as the rear window has defrost and will cause the lens/sticker to fall off.	Denied
75	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Extra vision window(s) in transition panel between chassis fender and front right-side passenger loading area (not applicable to flat-front design bus).	This feature is for a cutaway bus not a unibody dual door Promaster.	Accepted as Approved Equal
76	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Vertical stanchion and cross rail, with modesty panel, between entry door and front row of seats; modesty panel not needed if front wheel housing serves the same purpose.	we can add it if needed but due to limited space within the Promaster body it is not something that is added. It will only take up leg room.	Accepted as Approved Equal
77	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Backup alarm will be electric alarm, activated by reverse transmission setting, with 107 minimum decibels.	The standard on the Mt-1 is a 96 decibel back up alarm in lieu of the 107 in the spec due to its smaller size.	Accepted as Approved Equal
78	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	OEM or equivalent, AM/FM/CD Digital Clock Radio with 4 speakers mounted in the passenger compartment.	OEM or equivalent AM/FM/CD/digital clock radio - OEM no longer incudes CD	Accepted as Approved Equal. Also see Item Number 13.
84	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Schedule of Prices	Low Floor Light Duty ADA Accessible Bus w/138" wheel base with ramp per specification, M.Y. 2021 or newer (must indicate)	Please accept a 189" WB in place of the 138" WB on the low floor.	Denied

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85	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Schedule of Prices	Low Floor Light Duty ADA Accessible Bus w/158" wheel base with ramp per specification, M.Y. 2021 or newer (must indicate)	Please accept a 195" WB in place of the 158" WB on the low floor.	Denied
86	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Schedule of Prices	Low Floor Light Duty ADA Accessible Bus w/176" wheel base with ramp per specification, M.Y. 2021 or newer (must indicate)	Please accept a 208" WB in place of the 176" WB on the low floor.	Denied
118	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	O.E.M. or equivalent, AM/FM/CD Digital Clock Radio with 4 speakers mounted in the passenger compartment.	Please accept aftermarket Jensen JBR550 AM/FM/CD W/built-in clock.	Accepted as Approved Equal
122	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Dimensions	The overall length of vehicles, bumper to bumper, will be up to approximate maximum of 24 feet.	Please accept overall length up to 27 feet.	Accepted as Approved Equal
123	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Dimensions	Maximum height from ground to top surface of first step of 12 inches.	Please accept overall length up to 27 feet.	Accepted as Approved Equal
125	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chasis Components	Rear suspension - The chassis O.E.M. rear leaf spring type suspension system of each vehicle shall be modified by the addition of a supplemental rubber suspension system, i.e. MOR/ryde RL, E-Z Ride or approved equal	Please accept the suspension outlined within the provided brochure labeled "Suspension BRSC" as equal.	Accepted as Approved Equal
126	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chasis Components	Power steering, tilt steering wheel and cruise (speed) control.	Tilt Steering wheel-Please accept telescoping steering column as equal.	Accepted as Approved Equal
127	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Vehicle Features	Seat Belts - Must meet FMVSS #209 and #210. The driver's seat will be equipped with a retracting seat belt. All standard passenger seats will be equipped with under seat mounted retracting adult seat belts, except seats against rear of bus, which will have non-retracting seat belts.	Underseat retractable seat belts-Please accept retractable 3 point shoulder and lap belts as equal.	Accepted as Approved Equal
128	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	-	Group 4 Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Please accept a wheelbase of 178"	Accepted as Approved Equal
129	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Dimensions	Maximum height from ground to top surface of first step of 12 inches.	Ground to first step 12" max-Please accept a ground to first step measurement of 13.75"	Accepted as Approved Equal

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130	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chasis Components	Rear suspension - The chassis O.E.M. rear leaf spring type suspension system of each vehicle shall be modified by the addition of a supplemental rubber suspension system, i.e. MOR/ryde RL, E-Z Ride or approved equal	Please accept Summo Springs suspension, see provided brochure labeled "Summo Spring"	Accepted as Approved Equal
131	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chasis Components	12 Volt system minimum, dual batteries with minimum 1100 CCA's total at 0 degrees (F).	Please accept dual OEM batteries that total 1000 CCA's	Accepted as Approved Equal
132	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chasis Components	Batteries will be in a skirt-mounted battery box with access door. Box must not extend below entrance door step and will have a sliding tray capable of supporting 2 batteries. Battery compartments shall be constructed to prevent entrance of debris (if metal, all seams to be continuously welded) and allow adequate ventilation of vapors. Battery cables to be run full length with no splices.	Please accept both batteries located under the driver's seat in the OEM location. See provided photo labeled "OEM battery SOI"	Accepted as Approved Equal
133	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Chasis Components	Batteries will be in a skirt-mounted battery box with access door. Box must not extend below entrance door step and will have a sliding tray capable of supporting 2 batteries. Battery compartments shall be constructed to prevent entrance of debris (if metal, all seams to be continuously welded) and allow adequate ventilation of vapors. Battery cables to be run full length with no splices.	Please accept our standard battery locations, which are under the hood and in a sliding tray in front of the entry door. Due to the low floor design, there is no room for a battery box in the skirt. See photos below. . See provided photos labeled "Battery location SOF"and "Battery location SOF 2"	Accepted as Approved Equal
134	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	The floor will be marine grade plywood, %" thick minimum. The floor covering will be slip- resistant transit-floor rubber (minimum 20% SBR), color other than black, with ribbed step treads and ribbed section in aisle and a two (2) inch wide band of contrasting color on step edges and aisle threshold directly behind driver. Floor covering must meet FMVSS 302 and ADA requirements.	Please accept our standard engineered wood subfloor in lieu of marine grade plywood. See provided brochure labeled "PerformMax 500"	Accepted as Approved Equal

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135	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Floor - The floor will be marine grade plywood, 3/4" thick minimum. The floor covering will be slip- resistant transit-floor rubber (minimum 20% SBR), color other than black, with ribbed step treads and ribbed section in aisle and a two (2) inch wide band of contrasting color on step edges and aisle threshold directly behind driver. Floor covering must meet FMVSS 302 and ADA requirements.	Please accept Gerflor Anthracite as an approved equal. It is grey and slip resistant.	Accepted as Approved Equal
136	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Body Construction	Mud flaps will be installed on front and rear (large enough to cover duals).	Please accept rear mud flaps only on the Ford Transit cutaway chassis. See the provided photos labeled "Ford Transit Mud Flap 1" and "Ford Transit Mud Flap 2"	Accepted as Approved Equal
137	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Service, Warranty, and Delivery	Backup alarm will be electric alarm, activated by reverse transmission setting, with 107 minimum decibels.	Please accept our back up alarm which is 97 dba	Accepted as Approved Equal
138	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)		Tires will be covered by O.E.M. warranty.	Please clarify that it is expected that the Ford OEM warranty coverage that applies to tires is what is expected, not the Body Manufacturers warranty.	Accepted as Approved Equal
139	4	ADA Low Floor type Light Duty ADA Accessible Bus (138", 158"-170", and 176" wheel bases)	Dimensions	Suspension must be matched to GVWR.	Would you consider receiving proposals for a bus that includes air suspension and a kneeling function? This would help the ride comfort and allow for 3" less ground to first step.	Accepted but not required

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79	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Vehicle Features	Heating Systems - Dual; front and rear heating system able to maintain a range of 65 to 70 degrees; measured about 12 inches off the floor with ambient temperature of 90 degrees; performance evaluation data confirming the specification will be supplied with the proposal; each heater will be fused and switched separately. Air Conditioning System - Front and rear air conditioning system able to maintain a range of 65 to 70 degrees, measured about 12 inches off the floor with an ambient temperature of 0 degrees; performance evaluation data confirming the specification will be supplied with the proposal; air conditioning system will use non-corrosive positive seal hose system to avoid leakage; include winter protection cover for skirt mounted condenser.	The Heat and A/C spec look like they are reversed on temperatures. Looking to clarify.	Noted, Ambient temperature requirements reversed for heating system/air condition system requirements
121	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Body Construction	Floor - The floor will be marine grade plywood, 3/4" thick minimum; the floor covering will be slip- resistant transit-floor rubber (minimum 20% SBR), color other than black, with ribbed step treads and ribbed section in aisle and a two (2) inch wide band of contrasting color on step edges and aisle threshold directly behind driver; floor covering must meet FMVSS 302 and ADA requirements.	Please accept Gerflor as an AE. It is an upgrade from RCA rubber and equivalent to Altro.	Accepted as Approved Equal
140	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Dimensions	Powered passenger entrance door controlled by driver with switch on dash; passenger door shall have a minimum height of 77 inches.	Please accept an entry door with dimensions of 39" x 75" as approved equal.	Accepted as Approved Equal

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141	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Electrical	Batteries will be in a skirt-mounted battery box with access door; battery box must allow maximum ground clearance possible; battery compartments shall be constructed to prevent entrance of debris (if metal, all seams to be continuously welded) and allow adequate ventilation of vapors; battery cables to be run full length with no splices.	Please accept that the rear engine design doesn't provide a drivers door, therefore no step in required.	Accepted as Approved Equal
142	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Electrical	Batteries will be in a skirt-mounted battery box with access door. Box must not extend below entrance door step and will have a sliding tray capable of supporting 2 batteries. Battery compartments shall be constructed to prevent entrance of debris (if metal, all seams to be continuously welded) and allow adequate ventilation of vapors. Battery cables to be run full length with no splices.	Please accept a slide-out tray that is installed in the rear of the vehicle as approved equal. See provided photo labeled "Battery tray SOE"	Accepted as Approved Equal
143	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Body Construction	Floor - The floor will be marine grade plywood, 3/4" thick minimum or equivalent performance composite. Floor Covering Material: Minimum 2 mm thick commercial grade vinyl transit floor covering shall cover the entire floor surface; seams shall be filled with color matching material so as to be tight against any influx or seepage of moisture; the floor covering shall be thoroughly secured into position throughout the entire floor area; the flooring should possess anti-skid properties (Altro Transflor Meta, Chroma, or equivalent). Floor covering must meet FMVSS 302 and ADA requirements.	Please accept our standard engineered wood subfloor in lieu of marine grade plywood. See provided brochure labeled "PerformMax 500"	Accepted as Approved Equal

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144	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Body Construction	Floor - The floor will be marine grade plywood, 3/4" thick minimum; the floor covering will be slip- resistant transit-floor rubber (minimum 20% SBR), color other than black, with ribbed step treads and ribbed section in aisle and a two (2) inch wide band of contrasting color on step edges and aisle threshold directly behind driver; floor covering must meet FMVSS 302 and ADA requirements.	Please accept Gerflor Anthracite as an approved equal. It is grey and slip resistant.	Accepted as Approved Equal
145	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Vehicle Features	Seat materials - All seat materials must meet FMVSS #302; cloth upholstery is standard with color to be selected by purchaser from several available colors or patterns.	Please specify fabric level for pricing purposes.	Included as part of Bidder Submittal
146	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Vehicle Features	Backup alarm will be electric alarm, activated by reverse transmission setting, with 107 minimum decibels.	Please accept our back up alarm which is 97 dba	Accepted as Approved Equal
147	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Service, Warranty, and Delivery	Tires will be covered by O.E.M. warranty.	Please accept that tires will not be covered under the Body Manufacturers warranty.	Accepted as Approved Equal
148	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Body Construction	Body Structure - Frame and body structures must meet FMVSS #220 standards. Certification of Completion with FMVSS #220 rollover protection shall be furnished with the proposal, along with a diagram of proposed structure, including floor members.	Please see the attached documents labeled "FMVSS 220 SOE 1" and "FMVSS 220 SEO 2", indicating that our offering for this Group has not undergone a physical 220 rollover protection test, but we have run an FEA analysis on the offered bus and have performed a rollover test on a structurally similar product, which indicates that the Equest will meet or exceed the requirements. We plan to run the physical test within the next 12 months and can provide the results at that time.	Denied

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149	5	Medium Duty ADA Accessible Bus (to 28', 29-32', 33-36', 37-42' wheel bases and or low floor with lift (Model Year 2021 or Newer	Vehicle Features	Lift/Ramp - ADA approved, will meet or exceed requirements identified in APPENDIX section, and all State, Federal, ICC, and ADA; fluid used will be Aircraft Hydraulic Fluid to meet U.S. Mil Spec H5606G (Texaco #15 or Mobil Aero HFA or equivalent); minimum clear dimensions for platform are 30" wide X 48" length (Specify Ramp/Lift Mfg/Model) (Lo-Floor Specify Ramp/Lift Mfg/Model).	Our offering for this group has a ramp that meets ADA requirements. Please accept Duraguard hydraulic fluid. Additionally, our ramp supplier, Braun, has indicated that H5606G is an inactive standard so we would respectfully ask that this is removed from the specifications.	Accepted as Approved Equal
7-	-		Section A. Bid Opportunity, 4.	In the solicitation, it states, "Unless otherwise indicated, prices shall be firm for the duration of the contract or purchase order"	The contract has the 1-year term with options to renew for the next 2 years. On the next 2 years of the contract, if renewed by a bidder, is there a standard pricing increase such as PPI or must the pricing remain the same as originally bid regardless of renewal?	Price Adjustments: Vehicle type replacement values are adjusted annually based upon a 3-year average of the Producer Price Index, with the discretion of the Public Transit Bureau to make adjustments as deemed necessary [Producers Price Index (PPI) category #WPU1413, Transportation Equipment, Truck and Bus Bodies]. This applies to each of any subsequent renewals, extensions, amendments issued under the contract for the duration of the contract. This shall be used in place of Section B. Award, #4. referring to CPI-U.
8-	-		Section B. Award, 7.	7. Default (Supplier): Failure of the Supplier to adhere to specified delivery schedules or to promptly replace rejected materials shall render the Supplier liable for all costs more than the Response price when alternate procurement is necessary. This shall not be the exclusive remedy and the Iowa DOT reserves the right to pursue other remedies available to it by law or under the terms of the binding agreement.	In the solicitation, it requires bidders to adhere to the specified delivery schedules or be liable for all costs more than the response price. Can you clearly define the specified delivery schedules and what is considered out of compliance that would require a bidder to be liable for additional cost?	The specific delivery schedule is determined between the transit system and the vendor. See Section 6.4 Equipment Delivery Schedule.

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9	-	-	Section 2 – Administrative Information, 2.4 .	"(NOTE: If your entity sent in requests for approved equals/clarifications regarding the same specification on the same vehicle class on the previous bus bid, and that was approved, consider that pre-approved. This will in no way impact awards to those bidders that did not bid on previous procurement)"	In the solicitation, it states previous bid clarifications regarding the specifications are considered pre-approved. Can you provide the previous approved equals/clarification results?	https://iowadot.gov/transit/pdf/Requests%20for%20AE-Exceptions-Clarifications.pdf
10	-	-	Section 3 – Altoona Test Requirements, 3.9.1 .	Manufacturer and Model Offered - Responders must include detailed information on the manufacturer's make and model that is being offered to the State. The manufacturer of the vehicle identified in response to these specifications will submit with the proposal document a certification issued by the Altoona testing facility, unless an exception is granted in writing prior to the proposal opening based on previously submitted documents.	In the solicitation, it requires the full Altoona test report on all vehicles proposed. According to the FTA website, Group 2 (ADA Transit Conversion Van) would not qualify for Altoona Testing requirements as the vehicle is mass produced, complete and fully assembled. Website provided for the information below.	Approved. "Mass-produced vans are thoroughly tested by the manufacturer. Therefore, unmodified mass-produced vans are exempted from FTA Bus Testing, but only in the 4-year, 100,000-mile service life category. Unmodified mass-produced vans offered in the 5-year, 150,000-mile (or higher) service life category are subject to FTA Bus Testing. The FTA only requires a Bus Testing Report for buses that are acquired with FTA grant funding. https://www.transit.dot.gov/research-innovation/partial-testing
24	-	-	Section A. Bid Opportunity	Please outline how options pricing and Base model prices may or may not be adjusted through use of CPI-U after year two of the contract expires. Please provide a link if possible to find that CPI-U that will be utilized.		See Item Number 7
83	-	-	Instructions	Certification Letter (Attachment 1) The Bidder shall sign and submit with the Bid Proposal the document included as Attachment (Certification Letter) in which the Bidder shall make the certifications included in Attachment 1.	What folder do the signed certifications go? Do they go in 4.2.4 with the certification letter?	Yes

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87			Technical Specifications	<p>Responders must include detailed information on the manufacturer's make and model that is being offered to the State. The manufacturer of the vehicle identified in response to these specifications will submit with the proposal document a certification issued by the Altoona testing facility, unless an exception is granted in writing prior to the proposal opening based on previously submitted documents. A complete copy of the Altoona Test results must be sent to the Public Transit Section procurement administrator. A floor plan is to be submitted for each seating configuration being offered. Floor plans must show only permanent seats (no foldaway or flip seats as those are "options") and W/C positions and must match the wheelbase and capacity of vehicles being offered. Each floor plan is to be labeled as Group 3.1, 3.2, 4.4, etc. and the seating capacity (8 + 1, 8 + 2, etc.) to match the appropriate seating configuration and the wheelbase must be shown. Vehicles being offered by a body manufacturer but on multiple chassis</p>	<p>Please clarify if removable and foldup seats need to be shown on the floorplans. This section states "Floor plans must show only permanent seats (no foldaway or flip seats as those are "options") and W/C positions and must match the wheelbase and capacity of vehicles being offered." And on page 44 under support bid Documentation, it says removable and fold up seats need to be shown.</p>	<p>Need to be shown on Floor plans</p>

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88	-	-	Technical Specifications	3.9.2.4 As this IFB covers two years, it is assumed that a model year may change during the contract term. If the "model year" does change during the term of the Contract, price adjustments will not be accepted except in the rare instances stated above and below. Prices offered on the "model year" submitted with this IFB must remain firm for the term of the Contract. The exception would be if the chassis manufacturers should have a "built out date" for the current "model year" prior to producing an adequate number of chassis to fulfill orders under this Contract. Should this be the case, the procurement administrator would consider a price adjustment for the chassis built for the following "model year." Documentation from the chassis manufacturer would be required showing actual costs and must impact multiple vendors. Any price increase allowed would be the same for each Contract Bidder affected by the change in model year chassis.	Ford will hold pricing throughout the model year but will not guarantee the price will hold into the following model year. Historically Ford has been able to hold pricing but, in this climate, they are not going to commit to it. Please confirm this is acceptable.	This is acceptable. 3.9.2.4 is affected by Addendum 1 changing initial contract length to one year.
89	-	-	B. Award	Default (Contractor): Failure of a Contractor other than a Supplier to meet any specified project completion deadline shall render the Contractor liable for all costs incurred by the Iowa DOT that were: a) necessary to meet said deadline; or b) necessary to complete said project after said deadline. This shall not be the exclusive remedy and the Iowa DOT reserves the right to pursue other remedies available to it by law or under the terms of the agreement.	Default Contractor - project completion deadline. Due to current supply chain issues, we are unable to guarantee completion deadlines.	Noted
124	-	-	Floorplan	-	Please provide preferred floorplans and max capacity.	Included as part of Bidder Submittal

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25	-		-	Procurement Timetable	I have had manufactures ask for an extension until Dec 7 th or later in order to complete the bid. All of my manufactures are currently attending CTAA or APTA right now and many will be closed the entire week of Thanksgiving before the bid is due.	Bid Opening/Proposal Due Date is 12/06/2021 per Addendum 2