

APPENDIX D-4
Beneficiary Eligible Mitigation Action Certification

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary _____

Lead Agency Authorized to Act on Behalf of the Beneficiary _____
(Any authorized person with delegation of such authority to direct the Trustee delivered to the Trustee pursuant to a Delegation of Authority and Certificate of Incumbency)

Action Title:	
Beneficiary's Project ID:	
Funding Request No.	<i>(sequential)</i>
Request Type: (select one or more)	<input type="checkbox"/> Reimbursement <input type="checkbox"/> Advance <input type="checkbox"/> Other (specify): _____
Payment to be made to: (select one or more)	<input type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
Funding Request & Direction (Attachment A)	<input type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

SUMMARY

Eligible Mitigation Action <input type="checkbox"/> Appendix D-2 item (specify): _____ Action Type <input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal): _____
Explanation of how funding request fits into Beneficiary's Mitigation Plan (5.2.1):
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):
Estimate of Anticipated NOx Reductions (5.2.3):
Identification of Governmental Entity Responsible for Reviewing and Auditing Expenditures of Eligible Mitigation Action Funds to Ensure Compliance with Applicable Law (5.2.7.1):
Describe how the Beneficiary will make documentation publicly available (5.2.7.2).
Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).
Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).

If applicable, describe how the mitigation action will mitigate the impacts of NOx emissions on communities that have historically borne a disproportionate share of the adverse impacts of such emissions (5.2.10).

ATTACHMENTS
(CHECK BOX IF ATTACHED)

- Attachment A Funding Request and Direction.
- Attachment B Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4).
- Attachment C Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11).
- Attachment D Detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000 (5.2.6). [Attach only if project involves vendor expenditures exceeding \$25,000.]
- Attachment E DERA Option (5.2.12). [Attach only if using DERA option.]
- Attachment F Attachment specifying amount of requested funding to be debited against each beneficiary's allocation (5.2.13). [Attach only if this is a joint application involving multiple beneficiaries.]


CERTIFICATIONS

By submitting this application, the Lead Agency makes the following certifications:

1. This application is submitted on behalf of Beneficiary _____, and the person executing this certification has authority to make this certification on behalf of the Lead Agency and Beneficiary, pursuant to the Certification for Beneficiary Status filed with the Court.
2. Beneficiary requests and directs that the Trustee make the payments described in this application and Attachment A to this Form.
3. This application contains all information and certifications required by Paragraph 5.2 of the Trust Agreement, and the Trustee may rely on this application, Attachment A, and related certifications in making disbursements of trust funds for the aforementioned Project ID.
4. Any vendors were or will be selected in accordance with a jurisdiction's public contracting law as applicable. (5.2.5)
5. Beneficiary will maintain and make publicly available all documentation submitted in

support of this funding request and all records supporting all expenditures of eligible mitigation action funds subject to applicable laws governing the publication of confidential business information and personally identifiable information. (5.2.7.2)

DATED: 07/31/23



Gehan M. Elsayed, PhD, PE
Chief Engineer of Planning and Programs

WVDOT Division of Highways

[LEAD AGENCY]

for

State of West Virginia

[BENEFICIARY]

ATTACHMENT B

**ELIGIBLE MITIGATION ACTION MANAGEMENT PLAN
INCLUDING DETAILED BUDGET AND IMPLEMENTATION AND EXPENDITURES TIMELINE**

ACTION TITLE: West Virginia University (WVU) Coach Bus Replacement

BENEFICIARY PROJECT ID: VW007

FUNDING REQUEST NUMBER: 7

This action is proposed as a simple one-time reimbursement payment for one (1) Category 2: Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses) in the total amount of \$597,076.32, which will complete West Virginia's "Priority 1: Public Transit Fleet" as set forth in the State Beneficiary Mitigation Plan (see go.wv.gov/volkswagen for Plan details).

Beneficiary intends to submit Attachment A upon (1) execution of agreement between Beneficiary and WVU for this action, and (2) invoicing/proof of compliance from the University.

Approximate date of Attachment A requesting direct payment to named Transit Agency: SEP-OCT 2023

DETAILED PLAN FOR REPORTING ON ELIGIBLE MITIGATION ACTION IMPLEMENTATION

ACTION TITLE: West Virginia University (WVU) Coach Bus Replacement

BENEFICIARY PROJECT ID: VW007

FUNDING REQUEST NUMBER: 7

Beneficiary intends to provide actual implementation reporting to satisfy Subparagraph 5.3 of the Trust Agreement, which states:

5.3 Beneficiary Reporting Obligations: *For each Eligible Mitigation Action, no later than six months after receiving its first disbursement of Trust Assets, and thereafter no later than January 30 (for the preceding six-month period of July 1 to December 31) and July 30 (for the preceding six-month period of January 1 to June 30) of each year, each Beneficiary shall submit to the Trustee a semiannual report describing the progress implementing each Eligible Mitigation Action during the six-month period leading up to the reporting date (including a summary of all costs expended on the Eligible Mitigation Action through the reporting date). Such reports shall include a complete description of the status (including actual or projected termination date), development, implementation, and any modification of each approved Eligible Mitigation Action. Beneficiaries may group multiple Eligible Mitigation Actions and multiple sub-beneficiaries into a single report. These reports shall be signed by an official with the authority to submit the report for the Beneficiary and must contain an attestation that the information is true and correct and that the submission is made under penalty of perjury. To the extent a Beneficiary avails itself of the DERA Option described in Appendix D-2, that Beneficiary may submit its DERA Quarterly Programmatic Reports in satisfaction of its obligations under this Paragraph as to those Eligible Mitigation Actions funded through the DERA Option. The Trustee shall post each semiannual report on the State Trust's public-facing website upon receipt.*



McCutcheon, Perry J <perry.j.mccutcheon@wv.gov>

Replacement Bus for WVU

Jeremy Evans <jeremy.evans@mail.wvu.edu>
To: "McCutcheon, Perry J" <perry.j.mccutcheon@wv.gov>

Mon, Jul 17, 2023 at 11:48 AM

Great! Thanks, Perry. Details on the Gillig are below. No issues with scrapping it.

15GGB271491176973	SA003399	Gillig	Transit	2009	623364
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[Quoted text hidden]



Motor Coach Industries, Inc.
 200 E. Oakton Street
 Des Plaines, IL 60018

Invoice No: **70452**
 Invoice Date: **07/14/23**

SOLD TO
 West Virginia University
 1528 Mileground Road
 Morgantown, WV 26506

SHIP TO
 SAME AS SOLD TO UNLESS OTHERWISE INDICATED BELOW.

DEAL NUMBER		ORDER DATE		FOB	SALESMAN	TERMS
				Morgantown, Wv	Thomas Vik	
QUANTITY ORDERED	QTY BACK ORDERED	PART NO.	DESCRIPTION			AMOUNT
			<p>Coach Info: 2024 MCI J4500 S/N 2MGD1W913RW108023</p> <p>Sale Price: \$615,000.00 Deposit: <u>-\$5,000.00</u> Balance Due \$610,000.00</p> <p>Wire Transfer Info Account Name: Motor Coach Industries, Inc. Wells Fargo Bank 420 Montgomery Street San Francisco, CA 94104 ABA: 121-000-248 Account # 4122158389</p>			\$615,000.00
DATE SHIPPED	SHIPPED VIA	SHIPPING WT.	NO OF PIECES		Balance Due	\$615,000.00



AGREEMENT TO PURCHASE

Date : July 14, 2023

BUYER INFORMATION	
Complete Legal Name	West Virginia University
Street Address	1528 Mileground Road
City, State, Zip Code	Morgantown, WV 26506
Telephone	
Legal Entity Form & Formation State	
Buyer's Garaging Location (if different than above)	

The buyer listed above ("Buyer") agrees to purchase from Motor Coach Industries, Inc. ("Seller") the new motor coach(es) listed below ("Coach" or "Coaches"), in accordance with the terms and conditions of this Agreement to Purchase ("ATP"). Seller agrees to deliver the Coach(es) to Buyer FOB Morgantown, WV ("Delivery Location").

MY	MAKE	MODEL	VIN	ADDITIONAL DESCRIPTION (SEE ALSO SCHEDULE A)	PRICE (EXCLUDES TAXES)
2024	MCI	J4500	2MGD1W913RW108023	Spec # C-17960 Dated 2/23/2023	\$615,000.00
TOTAL CASH PRICE (EXCLUDING TAXES)					\$615,000.00
CASH DEPOSIT					\$5,000.00
NET TRADE-IN VALUE (IF ANY) (IF APPLICABLE, SCHEDULE D MUST BE COMPLETED AND ATTACHED)					\$0.00
SALES TAX (ENTER STATE _____ AND RATE _____%)					\$0.00
CASH BALANCE DUE AT DELIVERY					\$610,000.00

SUBJECT TO THE ATTACHED TERMS, CONDITIONS, AND SCHEDULES MADE A PART HEREOF.

Offered by:
WEST VIRGINIA UNIVERSITY
 (Buyer's Name)

Accepted by:
MOTOR COACH INDUSTRIES, INC.

By: _____

By: _____

Print Name: _____

Officer Name: _____

Print Title: _____

Officer Title: _____

Date of Offer: _____, 2023

Date of Acceptance: _____, 2023

Name of Salesperson: Thomas Vik

NOTE: BUYER'S SIGNATURE ON THIS DOCUMENT CONSTITUTES AN OFFER TO PURCHASE UPON THE TERMS STATED. IN NO EVENT WILL THIS OFFER BE BINDING UNTIL SELLER HAS ACCEPTED THIS OFFER AS EVIDENCED BY ITS OFFICER'S SIGNATURE ABOVE AND INITIALS BELOW. THE SALESPERSON IS NOT AUTHORIZED TO ACCEPT THIS OFFER.

Buyer initials _____

Seller initials _____

AGREEMENT TO PURCHASE
Terms & Conditions

1. This ATP is not terminable by either Buyer or Seller, except as permitted by paragraphs 2, 4, or 5.

2. Subject to paragraph 3, Buyer shall pay for and take possession of the Coach(es) on or before the Delivery Date. "Delivery Date" shall mean (a) the date, if any, designated on the first page of this ATP, or (b) the delivery date designated by Seller pursuant to written notification sent to Buyer no fewer than seven (7) days prior to the delivery date in such notice. Seller reserves the right to change the Delivery Date in accordance with the preceding sentence as deemed necessary by Seller. If Buyer fails to take delivery of the Coach(es) within fifteen (15) days after the applicable Delivery Date, Seller reserves the right to terminate this ATP as to such Coach(es) and to retain the deposit as liquidated damages and not as a penalty.

3. Payment in full for the Coach(es) is due in immediately available U.S. funds on or before the applicable Delivery Date, unless Buyer and Seller have agreed in writing to different payment terms. If payment of any part of the purchase price is deferred until after delivery, Buyer hereby grants to Seller a security interest in the Coach(es) and its (their) proceeds, and authorizes Seller to file a financing statement with respect thereto. Buyer shall execute all other documents deemed necessary by Seller or its assignee ("Security Documents") to grant Seller or its assignee a perfected, first priority security interest in the Coach(es) and its (their) proceeds. The Security Documents will include requirements that Buyer maintain certain minimum insurance coverages to protect Seller's or its assignee's security interest in the Coach(es) and its (their) proceeds. Seller and/or its assignee reserves all remedies available to it under the Uniform Commercial Code as a secured party even though these remedies are not specifically set forth in this ATP.

4. Seller is in default if it becomes bankrupt, insolvent, or unable to meet its financial obligations as the same become due at any time prior to Seller completing performance of its obligations under this ATP, or is unable to tender delivery of the Coach(es) in accordance with this ATP (for reasons other than Force Majeure). Buyer is in default if it becomes bankrupt, insolvent, or unable to meet its financial obligations as the same become due at any time prior to paying Seller the full purchase price of the Coach(es), or if Buyer fails to pay Seller in full the purchase price for the Coach(es) in accordance with this ATP, or fails to comply with any other obligation in this ATP. In the event of a default and the defaulting party fails to cure its default(s) within ten (10) days after receiving written notice of the default(s), the non-defaulting party may terminate this ATP, in addition to all other legal rights and remedies the non-defaulting party may have, whether under the ATP or applicable law. If Seller terminates this ATP pursuant to this paragraph 4, Seller may retain the deposit as

liquidated damages and not as a penalty, the Buyer acknowledging and agreeing that it would be difficult or impossible for Seller to ascertain the full amount of Seller's losses in the event of Buyer default.

5. Neither party will be liable for any non-performance that is caused by or otherwise results from any act of God, fire, flood, windstorm, tornado, war, riot, insurrection, strike, lockout, or other event beyond the control of the non-performing party ("Force Majeure"). In the event the period of non-performance will exceed sixty (60) days, the other party may terminate this ATP, without any penalty or liability as a result of such termination. In such event, Seller will refund any deposit provided by Buyer within fourteen (14) days after the ATP termination.

6. Risk of loss to each Coach shall pass from Seller to Buyer at the Delivery Location and as of the Delivery Date. Except as and to the extent the parties may otherwise agree in writing, title to each Coach shall pass from Seller to Buyer at the time that Buyer has paid Seller in full for the Coach. Buyer agrees to execute Seller's form of receipt evidencing Buyer's receipt of each Coach and its mileage and condition.

7. Buyer agrees to promptly pay (or if paid by Seller, to promptly reimburse) Seller for any tax, charge, fee, or other imposition that Seller is or may be required to pay in respect of the transfer or sale of the Coach(es), now or hereafter imposed by any law, ordinance, or decree of any federal, state, or local governmental authority, unless the same has already been paid by Buyer to Seller.

8. BUYER AGREES THAT SELLER'S SOLE AND EXCLUSIVE WARRANTY WITH RESPECT TO THE COACH(ES) IS SET FORTH IN SCHEDULE B ATTACHED HERETO AND INCORPORATED HEREIN. BUYER FURTHER AGREES THAT SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES WHATSOEVER WITH RESPECT TO THE COACH(ES) INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BUYER ACKNOWLEDGES THAT NO EMPLOYEE OR OTHER REPRESENTATIVE OF SELLER HAS AUTHORITY TO MAKE ANY ORAL OR WRITTEN WARRANTIES, PROMISES, OR REPRESENTATIONS WITH RESPECT TO THE COACH(ES), OTHER THAN IN A WRITTEN AMENDMENT TO THIS ATP SIGNED BY SELLER'S PRESIDENT.

9. BUYER AGREES THAT ENFORCEMENT OF SELLER'S LIMITED WARRANTY SET FORTH IN SCHEDULE B IS BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST SELLER WITH RESPECT TO THE COACH(ES). BUYER AGREES THAT IN NO EVENT WILL SELLER BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE, ENHANCED, RELIANCE, OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER (INCLUDING, BUT NOT LIMITED

Buyer initials _____

Seller initials _____

TO, LOSS OF PROFITS AND LOSS OF USE), WHETHER IN CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY, OTHER TORT THEORIES, SUBROGATION, ASSIGNMENT, OR BAILMENT, OR WHETHER STATUTORY, AT EQUITY, COMMON LAW, OR OTHERWISE.

10. TO THE FULLEST EXTENT PERMITTED BY LAW, BUYER SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS SELLER, ITS AFFILIATES, AND THEIR RESPECTIVE PRESENT AND FORMER OFFICERS, DIRECTORS, EMPLOYEES, AGENTS, INSURERS, SUCCESSORS, AND ASSIGNS (COLLECTIVELY, "SELLER INDEMNITEES") FROM AND AGAINST ANY AND ALL CLAIMS, DEMANDS, ACTIONS, CAUSES OF ACTION, DAMAGES, LOSSES, COSTS, AND EXPENSES (INCLUDING ATTORNEYS' FEES, EXPERT WITNESS FEES, AND OTHER LITIGATION EXPENSES) RESULTING FROM, ARISING OUT OF, OR IN CONNECTION WITH ANY ACTUAL OR ALLEGED NEGLIGENCE, GROSS NEGLIGENCE, RECKLESSNESS, WILLFUL AND WANTON MISCONDUCT, OR INTENTIONAL MISCONDUCT BY BUYER OR ANY OF BUYER'S EMPLOYEES, AGENTS, OR CONTRACTORS. FOR THE AVOIDANCE OF DOUBT, BUYER'S OBLIGATIONS SET FORTH IN THE PRECEDING SENTENCE ARE INTENDED TO BE CONSTRUED AS BROADLY AS POSSIBLE AND TO INCLUDE, BUT NOT BE LIMITED TO, ANY CLAIMS OF NEGLIGENCE, GROSS NEGLIGENCE, RECKLESSNESS, WILLFUL AND WANTON MISCONDUCT, INTENTIONAL MISCONDUCT, STRICT PRODUCTS LIABILITY, OR BREACH OF WARRANTY ON THE PART OF ANY OF THE SELLER INDEMNITEES.

11. TO THE FULLEST EXTENT PERMITTED BY LAW, EACH OF THE PARTIES HERETO IRREVOCABLY WAIVES TRIAL BY JURY AND CONSENTS TO THE GRANTING OF SUCH LEGAL OR EQUITABLE RELIEF AS IS DEEMED APPROPRIATE BY A JUDGE OF A COURT OF COMPETENT JURISDICTION.

12. ANY SUIT, ACTION, OR PROCEEDING FOR THE RECOVERY OF ANY CLAIM UNDER THIS ATP, OR OTHERWISE RELATING TO, ARISING OUT OF, OR INVOLVING ANY COACH OR ITS USE, MUST BE BROUGHT, IF AT ALL, WITHIN ONE (1) YEAR AFTER THE DATE THAT THE CLAIM OR CAUSE OF ACTION ACCRUED.

13. IN THE EVENT OF ANY LITIGATION RESULTING FROM OR ARISING OUT OF THIS ATP, THE SUBSTANTIALLY PREVAILING PARTY SHALL BE ENTITLED TO RECEIVE FROM THE OTHER PARTY THE SUBSTANTIALLY PREVAILING PARTY'S

ATTORNEYS' FEES AND OTHER LITIGATION-RELATED COSTS, FEES, AND EXPENSES.

14. This ATP shall be construed and interpreted in accordance with the laws of the State of Illinois, United States of America, without giving effect to that state's conflict of laws principles.

15. Buyer shall at all times comply with all applicable laws, rules, and regulations of the United States including, but not limited to, those pertaining to the export of goods.

16. For all past due amounts owed by Buyer under this ATP, Buyer agrees to pay to Seller interest at an annual rate equal to the lesser of (a) twelve percent (12%) per annum, and (b) the maximum rate permitted by law.

17. Buyer grants to Seller an irrevocable, non-exclusive, and royalty-free license to inspect, examine, download, and otherwise obtain any information or data that are gathered, compiled, collected, or otherwise recorded in, on, or by the Coach or any part or component thereof, including, but not limited to, any electronic control modules or other data-collection devices.

18. This ATP is personal as to Buyer and is not assignable or transferable by Buyer, in whole or in part, without Seller's prior written consent, which may be withheld in Seller's sole discretion.

19. If any provision of this ATP is held to be illegal, invalid, or unenforceable under any applicable present or future law, such provision shall be fully severable; this ATP shall be construed and enforced as if such illegal, invalid, or unenforceable provision had never been a part of this ATP, and the remaining provisions of this ATP shall remain in full force and effect and shall not be affected by the illegal, invalid or unenforceable provision or by its severance from this ATP. Furthermore, in lieu of such illegal, invalid, or unenforceable provision, there shall be added automatically as part of this ATP a provision as similar in terms to such illegal, invalid or unenforceable provision as may be possible and be legal, valid or enforceable.

20. BUYER AND SELLER AGREE THAT THIS ATP, INCLUDING THE SCHEDULE(S), CONTAINS THE COMPLETE, FINAL, AND EXCLUSIVE AGREEMENT OF THE PARTIES RELATING TO THE TERMS AND CONDITIONS OF THE PURCHASE, SALE, AND CONDITION OF THE COACH(ES), AND THAT THERE ARE NO PROMISES, REPRESENTATIONS, OR UNDERSTANDINGS OTHER THAN THOSE EXPRESSLY SET FORTH HEREIN. THIS AGREEMENT MAY BE CHANGED ONLY BY A WRITING SIGNED BY AN AUTHORIZED OFFICER OF SELLER AND BY BUYER.

Buyer initials _____

Seller initials _____



**SCHEDULE A TO AGREEMENT TO PURCHASE
(COACH SPECIFICATIONS)**

This Schedule A is incorporated as part of that certain Agreement to Purchase dated July 14, 2023 ("ATP"), by and between the buyer listed below ("Buyer") and Motor Coach Industries, Inc. ("Seller"), with respect to the Coach or Coaches listed in the ATP.

BUYER INFORMATION	
Complete Legal Name	West Virginia University

(COACH SPECIFICATIONS ATTACHED)

Buyer initials _____

Seller initials _____



Exhibit B

Date: 2/23/2023

Spec #: C-17960

Quantity: 1

J24-FT-10

Customer Order #

Customer #

MCI J4500 (MY2024)

Feature/Option #	Feature/Option Title	Qty
<u>Standard Features</u>		
Standard	Semi-monocoque low-corrosion stainless steel frame	1
Standard	Composite exterior body panels	1
Standard	Sedan style entrance door	1
Standard	Front & rear energy absorbing bumpers	1
Standard	Double glaze side sash for driver's & entrance doors	1
Standard	MCI exclusive spiral entrance stairway with aluminum step nosing	1
Standard	ISRI 6832 3-point driver seat	1
Standard	Scissor style powered windshield blinds	1
Standard	Keyed alike exterior door locks	1
Standard	First aid kit	1
Standard	Chemical lavatory with Granicote interior finish	1
Standard	Heavy duty SST ball lavatory dump valve	1
Standard	Additional air vent in LH front parcel rack for driver	1
Standard	Additional conditioned air vent into lavatory	1
Standard	Electric baggage door locks	1
Standard	Flat composite baggage bay floors	1
Standard	Provisions for destination sign	1
Standard	Bendix ADB22X disc brakes	1
Standard	Unitized Wheel End (UWE) bearings on all axles	1
Standard	ZF independent front and tag axle suspension system with premium Sachs shocks and wide stance drive axle suspension system	1
Standard	MCI Dynamic Suspension System (MDSS), includes full high/low rise & kneeling features	1
Standard	Variable assistance power steering	1
Standard	Steerable tag axle (passive)	1
Standard	Tag unload feature (electric)	1
Standard	Tag dump feature (manual)	1
Standard	Maintenance air supply located at the front and rear of coach	1
Standard	Doga electric windshield wipers	1
Standard	191 gallon diesel tank	1
Standard	15 gallon DEF tank	1
Standard	Bitzer A/C compressor	1
Standard	R134a refrigerant	1
Standard	Brushless evaporator and condenser motors	1
Standard	Standard Electronic manuals only (Thumb Drive)	1
Standard	Automatic Traction Control System (ATC)	1
Standard	SmarTire Tire Monitoring System	1
Standard	Electronic Stability Program (ESP)	1
Standard	Amerex Fire Suppression System	1

Customer Initials: _____ Date: _____

Spec #: C-17960

Printed by Lynn Marzullo on: 2/23/2023



Standard	6-channel Antilock Braking System (ABS)	1
Standard	Digital Wheel End Sensing system (DWES)	1
Standard	Parcel Rack Tether System	1
Standard	3-Point Passenger Seat Belts (FMVSS210)	1
Standard	Parker-Vansco Multiplexing System	1
Standard	Continental Multi-Function Instrument Panel	1
Standard	REI Entertainment system including DVD and six 15" wide screen HD monitors	1
Standard	12V power supplies in driver's area & parcel rack	1
Standard	LED interior spot lights	1
Standard	Swing-out cooling package with E-Fan system	1
Standard	Dual Delco 55SI 250 Amp brushless alternators	1
Standard	Exterior LED lighting includes; turning indicator, marker/clearance, brake, reverse, and daytime running lights (DRL)	1
Standard	LED baggage bay lights	1
Standard	Electronic cruise control	1
Standard	Progressive engine brakes (2/4/6 cylinder)	1
Standard	Fog lamps	1
Standard	Back-up alarm	1

Coach Dimensions

Overall length:	45.58 ft/13.80 m
Wheelbase:	315 in/8.00 m
Overall width:	102 in/2.59 m
Height to roof hatches:	140.75 in/3.58 m
Front overhang:	78.25 in/1.98 m
Rear overhang:	101.25 in/2.57 m
Turning radius:	41 ft/12.5 m
GVWR:	54,000 lbs/24,494 kg
Front GAWR:	17,000 lbs/7,711 kg
Drive GAWR:	23,000 lbs/10,433 kg
Tag GAWR:	16,500 lbs/7,484 kg

Certifications / Compliances

1.00.102	ENGINE CERTIFICATION – EPA & CARB CERTIFIED W/ EPA ONLY EMISSION WARRANTY	1
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Engine & Engine Accessories

1.01.309	CUMMINS X12 11.8 L, 410 HP, 1450 FT- LB ENGINE	1
1.02.503.5	CUMMINS EXTENDED COVERAGE PROTECTION PLAN - X 12 ENGINES TERMS - [5 YEARS / 500,000 MILES IS PROVIDED SOLELY BY CUMMINS INC. AND SUBJECT TO TERMS AND CONDITIONS, PROVISIONS, AND LIMITATIONS SET FORTH IN THE CUMMINS EXTENDED COVERAGE PLAN. THE DIESEL PARTICULATE FILTER IS NOT INCLUDED IN THE CUMMINS EXTENDED COVERAGE PLAN. MCI'S OBLIGATION IS LIMITED TO PURCHASING THE COVERAGE FROM CUMMINS, INC. ON BEHALF OF BUYER. SEE CUMMINS EXTENDED COVERAGE PLAN (PLAN 1 BULLETIN 5600686)	



1.02.508.3	CUMMINS EXTENDED COVERAGE: AFTERTREATMENT COVERAGE FOR X 12 ENGINES 5 YEARS / 1 500,000 MILES IS PROVIDED SOLELY BY CUMMINS INC. AND SUBJECT TO TERMS AND CONDITIONS, PROVISIONS, AND LIMITATIONS SET FORTH IN THE CUMMINS EXTENDED COVERAGE PLAN. MCT'S OBLIGATION IS LIMITED TO PURCHASING THE COVERAGE FROM CUMMINS, INC. ON BEHALF OF BUYER. SEE CUMMINS EXTENDED COVERAGE PLAN (BULLETIN 3381454)	
1.02.608	ENGINE BLOCK HEATER	1
1.02.804	EBERSPAECHER HYDRONIC M12 - 42,000 BTU AUXILIARY HEATER (CARB CERTIFIED)	1
STANDARD	ALUMINUM FUEL TANK	1
GOVERNOR	GOVERN SPEED - 72 MPH	1

Transmission & Transmission Accessories

2.01.101	ALLISON B500 AUTOMATIC WORLD TRANSMISSION - W/O RETARDER	1
2.03.101	ALLISON TRANSMISSION B500 INTERCITY/TOUR EDGE LEVEL I EXTENDED COVERAGE 1 PROVIDING A TOTAL OF FIVE (5) YEARS PROVIDED SOLELY BY ALLISON TRANSMISSION AND SUBJECT TO TERMS AND CONDITIONS, PROVISIONS, AND LIMITATIONS SET FORTH IN THE ALLISON TRANSMISSION EDGE EXTENDED COVERAGE PLAN. MCI'S OBLIGATION LIMITED TO PURCHASING THE COVERAGE FROM ALLISON TRANSMISSION ON BEHALF OF BUYER. REFERENCE ALLISON TRANSMISSION PUBLICATION NUMBER SE5410EN (2006/07). WITHOUT RETARDER	1
2.03.302.1	TES-668 SYNTHETIC TRANSMISSION OIL FOR B500	1

Axle Ratios & Axle Accessories

3.01.110	REAR AXLE - RATIO 3.54:1	1
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Wheels, Wheel Accessories & Tires

3.03.106	ALCOA HUB PILOTED WHEEL POLISHED BOTH SIDES FINISHED IN 22.5 X 9.00 WITH A9 DURABRITE FINISH	
3.04.403	FACTORY SUPPLIED TIRES - MICHELIN XZA-2 ENERGY, SIZE: 315/80 R22.5,"L" - RATED, MAX 75 9 MPH	

Seating & Trim

4.01.2703	56 PASS - AMAYA ALPHA MODEL PASSENGER SEATS W/3 POINT BELTS	1
4.02.99.10	ALPHA MCI UPHOLSTERY	1
4.02.112	SELF-RETRACTING FOOTRESTS	44
4.02.127.1	SEAT AISLE LIGHTS TO BE BLUE LED	1

Passenger Accessories

4.03.103	HOSTESS TABLE - ROAD SIDE	1
4.03.104	HOSTESS TABLE - CURB SIDE	1

Driver Seat & Driver Seat Options

4.04.702	USSC 9100 ALX3 AIR RIDE DRIVER'S SEAT WITH 3 POINT SEAT BELT WITH ARMRESTS - W/O 1 SEAT CUSHION ALARM	
4.05.202	FABRIC ARMRESTS ON USSC 9100 ALX/ALX-3 DRIVER'S SEAT	1

Interior Colors & Patterns



Please refer to section "Selected Upholstery / Fabrics" for details regarding upholstery.

Upholstery Options - Rear Interior

4.06.500 REAR INTERIOR FABRIC 1

Interior Flooring

4.07.202 WHITE STANDEE AREA 1

4.07.213 BLACK STEP NOSING 1

4.07.422 ALTRO FLOORING 1

4.07.422.004 FLOORING COLOR - ALTRO VINTAGE CHERRY TFWSA2202F 1

Lavatory & Lavatory Accessories

5.01.202 CHEMICAL TYPE LAVATORY WITHOUT WASH BASIN 1

5.02.106 AUXILIARY LAVATORY RETENTION TANK 1

Audio / Video Options

5.03.114 AM/FM/CD/DVD TUNER, REI 1

5.03.224 BACK-UP CAMERA 1

5.03.236 SIX 15" 16:9 ASPECT RATIO HD LCD MONITORS, REI 1

5.03.237 MEDIA PANEL, REI 1

Parcel Rack Options

5.04.101 PARCEL RACK DOORS 1

Miscellaneous Interior

5.05.101 PASSENGER SIDE WINDOW BLINDS 1

Wheelchair Lift

6.01.201 BRAUN WHEELCHAIR LIFT 1

Sash & Glass

6.02.102 DOUBLE GLAZED SIDE PASSENGER SASH 1

Miscellaneous Exterior Accessories

6.05.101 MIRRORS, BLACK 1

Paint & Lettering

6.07.107 ALL WHITE PAINT SCHEME 1

STANDARD EXTERIOR PAINT - WITHOUT CLEAR COAT 1

Decals - Interior & Exterior

STANDARD SEAT RESERVATION MARKERS - ENGLISH/SPANISH/FRENCH - SHIPPED LOOSE 1

6.08.109 EMERGENCY EXIT DECALS - ENGLISH/SPANISH 1

6.08.112 LAVATORY DECALS - ENGLISH/SPANISH 1

6.08.203 VIN PLATE - US 1



6.08.209 WITHOUT EXTERIOR FLEET NUMBER(S) & LEGAL LETTERING 1

Instrumentation

7.02.102 IMPERIAL GAUGES - USA 1

Interior Lighting

7.03.109 LED HANDRAIL LIGHTING 1

7.03.110 LED STEPWELL LIGHTING 1

Exterior Lighting

7.04.104 CONVERSION STYLE DOCKING LAMPS IN REAR FENDERS 1

STANDARD CONVERSION STYLE FRONT CORNERING LAMPS 1

7.04.106 LED HEADLIGHTS 1

7.04.108 DRIP RAIL MOUNTED LED OVERHEAD LIGHTING 1

Electrical & Miscellaneous Electrical Accessories

7.05.112 SECURITY START FEATURE W/ROCKER IGNITION (STEPWELL LIGHT) 1

7.05.128 POWER OUTLETS W/110 VOLT DUPLEX PLUGS AND TWO USB PORTS AT ALL SEATS LOCATIONS, 1
W/4000 WATT INVERTER/BATTERY CHARGER INSTALLED IN BATTERY COMPARTMENT

Air Recirculation

8.02.103 AUXILIARY PARCEL RACK A/C 1

Additional Standard Features & Equipment

9.01.101 AMEREX FIRE SUPPRESSION IN ENGINE COMPARTMENT 1

9.01.202 SMARTIRE TIRE PRESSURE MONITORING SYSTEM 1

Delivery Location

10.01.101 DELIVERY TO DES PLAINES, IL 1

STANDARD MANUFACTURING SITE - FTG ONLY BUILD 1

Vehicle Key Code

Key Code:

User Defined Specials

ES1.02.104 TRANSMISSION TO SHIFT INTO 5TH GEAR INSTEAD OF 4TH GEAR UPON ACTIVATION OF THE 1
JAKE BRAKE

ES4.01.3015 PASSENGER SEATS - J4500, J4500E, J3500 COACHES 1



ES4.04.411	DRIVERS SEAT - J4500, J4500E, J3500 COACHES	1
ES4.06.108	FABRIC ON INTERIOR PANELS OF COACH	1
ES7.05.194.2	PARKER MUX COACH PROGRAMMING	1
Special-1	PSA - Delete passenger seat window side armrests.	1
Special-2	ES7.03.122 - PROVISION TO CHANGE THE COLOUR OF INDIRECT CEILING LIGHTS AFTER THE 1 FACTORY DELIVERY. NOTE: THIS INSTALLATION WILL INCLUDE THE REQUIRED B-POST HARNESS ONLY. NOTE: DOES NOT INCLUDE STEPWELL,GRAB HANDLES AND UNDER SEAT LIGHTS.	1
Special-3	ES7.05.216 - MCI Connect telemetry system.	1
Special-4	ES7.04.116 - LED fog lamps (NFI Parts kit #6488997).	1
Special-5	ES7.04.113.4 - Additional drip rail style lights (2) to be mounted on drip rails as close as possible to entrance door and front J-box door, to activate when entrance door is open.	1
Special-6	ES6.05.206 - ADD SPARE CONVEX MIRRORS BELOW THE EXISTING EXTERIOR MIRRORS (MCI SERVICE PART KIT #T03-2785).	1



Selected Upholstery / Fabrics

Upholstery Locations

Selected Upholstery

Passenger Seats

Headrest Face:
Headrest Side Boxing:
Cushion and Back Center:
Cushion and Back Outside:
Side Boxing:
Back Panel:
Seat Piping:
Double Stitching:
Diamond Stitching:

Bustextil Bravia Verona Azul Oscuro 1434966
Bustextil Bravia Verona Azul Oscuro 1434966
Bustextil Sticks Blue Ink 85/15 60201
Bustextil Bravia Verona Azul Oscuro 1434966
Bustextil Bravia Verona Azul Oscuro 1434966
Bustextil Lux Blue 57101
No Seat Piping
No Double Stitching
No Diamond Stitching

Driver's Seat

Headrest:
Cushion & Back - Center:
Cushion & Back - Outside:
Side Boxing:
Back Panel:

Bustextil Bravia Verona Azul Oscuro 1434966
Bustextil Sticks Blue Ink 85/15 60201
Bustextil Bravia Verona Azul Oscuro 1434966
Bustextil Bravia Verona Azul Oscuro 1434966
Bustextil Bravia Verona Azul Oscuro 1434966

General Interior

Entrance Door:
Front Dash Insert:
Front Side Modesty Panels:
Passenger Side Modesty Panels:
Parcel Rack Fabric (Underside):
Sidewall:
Ceiling:

Bustextil Sticks Blue Ink 85/15 60201
Bustextil Sticks Blue Ink 85/15 60201
Bustextil Sticks Blue Ink 85/15 60201
Bustextil Companion Pes Blue KDK/Navy Lite 50501
Bustextil Companion Pes Blue KDK/Navy Lite 50501
Bustextil Companion Pes Blue KDK/Navy Lite 50501
Morbern Vinyl Wave WV-209

General Interior - Rear

Lavatory Door:
Curb Side Lavatory Wall:
Rear Enclosure Panel:

Bustextil Companion Pes Blue KDK/Navy Lite 50501
Bustextil Companion Pes Blue KDK/Navy Lite 50501
Bustextil Companion Pes Blue KDK/Navy Lite 50501

Flooring

Interior Flooring:

Altro Flooring
Vintage Cherry TFWSA2202F



**SCHEDULE B TO AGREEMENT TO PURCHASE
(WARRANTY) (J SERIES)**

This Schedule B is incorporated as part of that certain Agreement to Purchase dated July 14, 2023 ("ATP"), by and between the buyer listed below ("Buyer") and Motor Coach Industries, Inc. ("Seller"), with respect to the Coach or Coaches listed in the ATP.

BUYER INFORMATION	
Complete Legal Name	West Virginia University

SELLER'S LIMITED WARRANTY

Seller's Limited Warranty applies only to new coaches manufactured and sold by Seller for use in the territorial limits of Canada and the United States, including Hawaii and Alaska, excluding Puerto Rico, Guam and the Virgin Islands. This Limited Warranty is not assignable or otherwise transferable to subsequent owners of the Coach unless MCI receives either a properly completed Sale Notification form (a copy of which is in the Owner Limited Warranty Manual), or other documentation acceptable to MCI.

Seller agrees for the Warranty Term herein specified that, subject to certain exceptions, exclusions, and conditions noted below, Seller will repair or replace any defects in material and workmanship (not design) in the Coach. This Limited Warranty applies only to defects discovered during the Warranty Term set forth on Exhibit A.

Buyer must give Seller written notice of any defect occurring during the Warranty Term to which Buyer claims this Limited Warranty applies within thirty (30) days from the date the defect becomes apparent, specifying the nature of the claimed defect and the date it became apparent.

Seller's obligation under this Limited Warranty is limited to (A) repairing or, at Seller's option, replacing free of charge any parts that, in Seller's reasonable opinion, have failed as a result of a defect in material or workmanship (not design) occurring during the Warranty Term under normal service conditions, provided that Buyer (i) has given Seller timely written notice of the defect; and (ii) upon Seller's request, has returned the defective part(s) to Seller, transportation charges collect; and (B) crediting Buyer for the labor cost incurred in the removal and replacement of the defective part(s) based on (i) the number of hours designated by Seller to be required for such work, multiplied by (ii) 125% of the base rate for mechanical labor prevailing at Buyer's garage locale at the time of replacement, such base rate to have been previously approved by Seller.

THIS LIMITED WARRANTY IS FURTHER SUBJECT TO CERTAIN ADDITIONAL TERMS, CONDITIONS, AND EXCLUSIONS THAT ARE ATTACHED HERETO AND HEREBY INCORPORATED BY REFERENCE AS EXHIBIT A.

Buyer acknowledges that this Limited Warranty does not apply to (A) any parts, components, materials, goods or services furnished or provided after Seller has completed its manufacturing processes with respect to the Coach; or (B) any routine maintenance repairs or replacements; or (C) normal wear and tear of the Coach; or (D) any other repairs or replacements that, in Seller's reasonable opinion, are required because the Coach or any accessories, parts, or other equipment comprising the Coach:

(i) has been altered, modified, changed, reworked, or replaced in a manner either not recommended by Seller or that would likely affect serviceability in any respect; or

(ii) has been subject to abuse, neglect, or damage from an accident, or from intentional acts; or

Buyer initials _____

Seller initials _____

(iii) has not been serviced and maintained at reasonable intervals according to Seller's recommendations;
or

(iv) has been operated at speeds in excess of Seller's and/or any component supplier's recommended maximum speed.

Seller reserves the right to audit Buyer's Coach warranty related records, including, but not limited to those regarding claims filed, maintenance records, and parts returned. Seller also reserves the right, in its sole discretion, to suspend its Limited Warranty obligations, including, but not limited to, putting Buyer's warranty account "on hold", and/or suspending or revoking Buyer's access to Seller's CCS system, during any period in which Buyer is not in compliance with its obligations under this Limited Warranty.

ENFORCEMENT OF THE FOREGOING OBLIGATIONS OF SELLER SHALL BE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST SELLER WITH RESPECT TO THE COACH. THIS LIMITED WARRANTY AND SELLER'S OBLIGATIONS HEREUNDER ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL SELLER BE LIABLE FOR ANY OTHER OBLIGATIONS OR LIABILITIES, INCLUDING LIABILITY FOR ANY GENERAL, SPECIAL, DIRECT, INDIRECT, INCIDENTAL, PUNITIVE, ENHANCED, RELIANCE, OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER (INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS AND LOSS OF USE) WITH RESPECT TO THE SALE OR USE OF THE COACH. NO PERSON IS AUTHORIZED TO CHANGE OR OTHERWISE MODIFY THIS LIMITED WARRANTY OR ASSUME ANY OTHER LIABILITY ON BEHALF OF SELLER UNLESS SUCH CHANGE, MODIFICATION OR ASSUMPTION IS MADE IN WRITING AND SIGNED BY AN OFFICER OF SELLER.

MCI Emission-related Warranty

- (a) General. MCI warrants to Buyer and each subsequent purchaser that the Coach, including all parts of its emission control system, meets two conditions:
- (1) It is designed, built, and equipped so it conforms at the time of sale to Buyer with the requirements of 40 CFR Part 1037.
 - (2) It is free from defects in materials and workmanship that cause the Coach to fail to conform to the requirements of 40 CFR Part 1037 during the applicable warranty period.
- The above warranty will be referred to as the "MCI Emission Warranty" in this document.
- (b) The warranty period of the MCI Emission Warranty is as follows:
- (1) Five (5) years from the date the Coach is first placed into service or 100,000 miles, whichever first occurs; and
 - (2) For tires, two (2) years from the date the Coach is first placed into service or 24,000 miles, whichever first occurs.
- (c) Components covered. The MCI Emission Warranty covers emission-related components that are included in the certified emission controls. The MCI Emission Warranty covers the Coach's tires. The MCI Emission Warranty does not cover components whose failure would not increase the Coach's emissions of any regulated pollutant, nor does it cover tire tread wear.
- (d) Warranty Exclusions. The MCI Emission Warranty does not cover any failures resulting from any improper maintenance or use, as described in 40 CFR §1068.115.

Buyer initials _____

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EXHIBIT A
Agreement To Purchase Terms and Conditions

WARRANTY TERM: J4500 COACH: Thirty (30) months, unlimited mileage, from the warranty start date.

WARRANTY START DATE:

ADDITIONAL EXCLUSIONS/LIMITATIONS OF SELLER'S LIMITED WARRANTY

3 rd party vehicle telemetry system	Covered only by system supplier
A/C Compressor	5 years or 500,000 miles (804,672 km) (whichever comes first), coverage of compressor only; excludes external mounted components.
Air Bellows	3 years or 300,000 miles (482,803 km) (whichever comes first)
Antennae	Not covered for breakage
Batteries	1 year coverage with requirement of photograph of battery serial number.
Belts	6 months or 50,000 miles (80,467 km) (whichever comes first)
Brake Rotors & Pads	Not covered as a primary failure
Brushless Main Evaporator Motor	54 months or 500,000 miles (804,672 km) (whichever comes first)
Bumpers	5 years or 500,000 miles (804,672 km) (whichever comes first), excludes paint and consequential damage.
Coach Conversion	Parts, components, and services by third party not covered
Decals	Covers only decals furnished and applied by MCI. Coverage is subject to MCI's prior written approval based on photographic evidence of claimed defect and repair quotation to be submitted by Buyer.
Electrical Harness and Connectors	5 years or 500,000 miles (804,672 km) (whichever comes first) (excludes labor for diagnostic tests)(excludes engine harness)
Emission Controls and Emission System-related Parts	Covered by Seller's Limited Warranty as and only to the extent they are required to be covered by a vehicle manufacturer pursuant to the laws pertaining to the warranties applicable to emissions controls or emission system-related parts in effect at the date of manufacture, including the MCI Emission Warranty.
Engine	Covered only by engine manufacturer
Engine Aftertreatment	Covered only by engine manufacturer (see also Emission Controls and Emission System-related Parts above)
Engine Accessories	30 months or 250,000 miles (402,336) (whichever comes first), covers alternator, starter, transmission oil cooler, engine isolator, crank pulley, diesel exhaust fluid (DEF) tank and heated lines, power steering pump and exhaust pipe bellows.
Entrance Door Control	5 years or 500,000 miles (804,672 km) (whichever comes first), covers pneumatic cylinders and control module
Exterior Mirrors	Covered for loss of function only, not breakage
Goods and/or Services	Not covered

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HVAC Condenser, Heater & Evaporator Coil	5 years or 500,000 miles (804,672 km) (whichever comes first)
Incandescent Light Bulbs	Not covered
Interior theme LED window, aisle and step well lighting	5 years or 500,000 miles (804,672 km) (whichever comes first) liquid or physical damage not covered.
Instrument Panel	5 years or 500,000 miles (804,672 km) (whichever comes first), software tampering, liquid or physical damage not covered
King Pins	Bushings and seals not covered
LED Forward lighting	5 years or 500,000 miles (804,672 km) (whichever comes first), High, Low Beams and DRL/Turn Signal
Paint	Coverage subject to MCI prior approval; pictures and quote maybe required
Passenger Seats	Mechanical and fabric manufacturing defects covered. Pictures and quote are
Pinion Seals	3 years or 300,000 miles (482,802 km) (whichever comes first)
Radius Rod Bushings	2 years or 100,000 miles (160,934 km) (whichever comes first)
Refrigerant	Not covered as a primary failure
Roof Leaks	5 years or 500,000 miles (whichever comes first); coverage is subject to Seller's prior written approval based on photographic evidence of claimed defect and repair quotation to be submitted by Buyer.
Shocks & Bushings	1 year or 50,000 miles (80,467 km) (whichever comes first)
Tires	Covered only by tire manufacturer, except for the MCI Emission warranty.
Towing/Roadside Service Calls*	6 months or 50,000 miles (80,467 km) (whichever comes first), reimbursement limited to \$750.00/per occurrence and subject to additional conditions further explained below
Transmission	Covered only by transmission manufacturer
Wheel Alignment	Covered only during the first 25,000 miles (40,234 km); thereafter not covered as a primary failure, i.e., covered only if alignment is necessary due to another covered warranty repair
Wheel Bearings and Seals	3 years or 300,000 miles (482,802 km) (whichever comes first)
Wheel Studs	Not covered
Windows/ Sash Assembly	Not covered for breakage due to stone chips or other road hazards. Any coverage is subject to Seller's prior written approval based on part return and/or photographic evidence of claimed defect, as requested by Seller. Buyer must also provide date code (located at bottom of window frame assembly, visible when opened or removed), window location (roadside or curbside of vehicle) and window position on Coach.
Wiper Blades	Not covered

*Towing/Roadside Service Calls. The towing/roadside service call must have been necessary due to a failure covered by the MCI Limited Warranty, and Buyer must have used good faith efforts to return the coach to service without using a towing service before requesting that the coach be towed. The costs of any towing/roadside repairs and road service calls are not included within the scope of the Limited Warranty unless the failure requiring the roadside service/towing is covered by the Limited Warranty.

Please consult the manufacturer of the engine, transmission, or other component not covered by MCI's Limited Warranty for any towing/roadside reimbursement such manufacturer may provide.

Buyer initials _____

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4/27/21

McCutcheon, Perry J

From: Egnor, Michael <michael.egnor@wv.gov>
Sent: Tuesday, July 25, 2023 3:26 PM
To: Perry J McCutcheon; Renu M Chakrabarty; Matt A Kemper
Subject: 2024 MCI Coach Bus Replacement
Attachments: 2024 MCI Bus emissions analysis.xlsx

Perry,

Your Coach Bus replacement emissions analysis is attached.

Thanks!
Mike

Assumptions:

Gillig Transit bus 2009 Mileage 623,364 miles
In service through 2023
Internet search - Class 6-7
Internet search - 4.5 mpg
Idling Hours - EPA default value is 340
Remaining Life - 3 years

MCI Bus
2024 Cummins X12 Engine
Internet search 9mpg
Class 6-7
No change in annual mileage

Calculations

623,364 miles divided by 14 years divided by 4.5 mpg is 9,895 gallons per year for current bus

44,526 at 9mpg is 4,947 gallons/year

Let me know if you need anything else.
Mike

Michael Egnor	07/25/2023	Detailed Report from the Diesel
WV DEP DAQ		
Michael	Egnor	
michael.egnor@		
000-000-0000		

Type	Sector	Target Fleet	Class	Vocation	Number of Vehicles/Engines	Tier	Tier 4 Standards	Tier 4 After-treatments	Model Year	Retrofit Year	Horsepower	Displacement (liters per cylinder)	Fuel Type	Fuel Volume	Calculated Fuel Volume	Vehicle Miles Traveled/Year (VMT)	Annual Usage Hours	Idling Hours/Year	Hoteling Hours/Year	Remaining Life	Technology Description	
Onroad	Transit	Transit Bus	Class 6-7	Transit Bus	1				2009	2024			ULSD (diesel)	9895	9895	44526		340			3	
Onroad	Transit	Transit Bus	Class 6-7	Transit Bus	1				2024	2024			ULSD (diesel)	4947	4947	44526		340			15	

New Tier	New Tier 4 Standards	New Tier 4 After-treatments	New Model Year	New Horsepower	New Displacement (liters per	Diesel Fuel Reduced (gallons)	Reduced Idling (hours)	Reduced Hoteling (hours)	Installation Cost	Unit Cost	Annual Baseline of Vehicles (NOx, short	Lifetime Baseline of Vehicles (NOx,	Percent Reduced (NOx, %)	Baseline of Vehicles Retrofitted per	Amount Reduced per Year(NOx, short	Lifetime Baseline of Vehicles	Lifetime Amount Reduced (NOx,	Lifetime Amount Emitted After Retrofit,	Capital Cost Effectiveness (\$/short ton),	Annual Baseline of Vehicles (PM2.5, short	Lifetime Baseline of Vehicles (PM2.5,
											0.215952427	0.647857281								0.000906868	0.002720605
											0.053319922	0.799798829								0.000509877	0.007648158

Percent Reduced (PM2.5, %)	Baseline of Vehicles Retrofitted per	Amount Reduced per Year(PM2.5,	Lifetime Baseline of Vehicles	Lifetime Amount Reduced	Lifetime Amount Emitted After Retrofit,	Capital Cost Effectiveness (\$/short ton),	Annual Baseline of Vehicles (HC, short tons)	Lifetime Baseline of Vehicles (HC,	Percent Reduced (HC, %)	Baseline of Vehicles Retrofitted per	Amount Reduced per Year(HC, short	Lifetime Baseline of Vehicles	Lifetime Amount Reduced (HC,	Lifetime Amount Emitted After Retrofit,	Capital Cost Effectiveness (\$/short ton),	Annual Baseline of Vehicles (CO, short tons)	Lifetime Baseline of Vehicles (CO,	Percent Reduced (CO, %)	Baseline of Vehicles Retrofitted per	Amount Reduced per Year(CO, short	Lifetime Baseline of Vehicles
							0.012000936	0.036002807								0.053313514	0.159940541				
							0.001343996	0.020159934								0.033538365	0.503075475				

Lifetime Amount Reduced (CO ₂)	Lifetime Amount Emitted After Retrofit,	Capital Cost Effectiveness (\$/short ton),	Annual Baseline of Vehicles (CO ₂ , short	Lifetime Baseline of Vehicles (CO ₂ ,	Percent Reduced (CO ₂ , %)	Baseline of Vehicles Retrofitted per	Amount Reduced per Year(CO ₂ , short	Lifetime Baseline of Vehicles	Lifetime Amount Reduced (CO ₂ ,	Lifetime Amount Emitted After Retrofit,	Capital Cost Effectiveness (\$/short ton),	Annual Baseline of Vehicles (Fuel,	Lifetime Baseline of Vehicles (Fuel,	Percent Reduced (Fuel, %)	Baseline of Vehicles Retrofitted per	Amount Reduced per Year (Fuel,	Lifetime Baseline of Vehicles	Lifetime Amount Reduced (Fuel,	Lifetime Amount After Retrofit,
			111.31875	333.95625								9895	29685						
			55.65375	834.80625								4947	74205						