



IFB# 554-2023-0054

Electric Transit Buses, Charging Stations, and Design and Construction Services

ADDENDUM #5

Date: February 7, 2024

The purpose of **Addendum #5** is to:

1. Officially reduce the bid validity.
2. Officially remove pilot lead from IFB
3. Respond to questions
4. Attach Forms K (part1) and G

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- RDUAA wishes to reduce the bid validity from one hundred and eighty (180) days to one hundred and twenty (120) days. Page 180 Form A- Bid Form.
 - Page 70 Technical Specifications, 1.5 Overall Requirements: RDUAA wishes to remove the words ***pilot or lead bus*** from paragraph.

(1) QUESTION: Will RDU extend the response to questions due date?

AUTHORITY RESPONSE: The deadline to submit questions was extended. RDU will make provisions to respond to questions as soon as possible.

(2) QUESTION: Will the IFB due date be extended?

AUTHORITY RESPONSE: The IFB due date will not be extended.

(3) QUESTION: Will RDU consider accepting an electronic submission?

AUTHORITY RESPONSE: Electronic submissions will not be accepted.

(4) QUESTION: When is RDU expecting to announce the successful contractor by email?

AUTHORITY RESPONSE: The successful bidder will be notified upon Board approval and copy of the Bid Tab will be posted on RDU website and on DemanStar.

- (5) QUESTION: After announcement of successful contractor when does RDU expect to start delivery of buses?
AUTHORITY RESPONSE: RDU would like to have buses delivered as soon as possible. Bidder shall submit lead times.
- (6) QUESTION: What is the amount of the performance/payment bond required?
AUTHORITY RESPONSE: N/A
- (7) QUESTION: Can RDU provide the bonding language?
AUTHORITY RESPONSE: N/A
- (8) QUESTION: How long will RDU require the bond?
AUTHORITY RESPONSE: N/A
- (9) QUESTION: Can RDU please provide details on how bonds will be released?
AUTHORITY RESPONSE: N/A
- (10) QUESTION: Is RDU only requesting the response to be in the order of the response listed in this section, i.e., Tab A: Client Reference, Tab B: Warranty, etc.?
AUTHORITY RESPONSE: Yes
- (11) QUESTION: Is RDU focused on using the vendors listed in the IFB [TransLoc-Hella Aglaia, Max Transit-PepLink PepWave], if so, will the bidder be required to obtain quotes from these vendors?
AUTHORITY RESPONSE: RDU would like these vehicles spec'd similar to our existing buses. Bus OEM will be responsible for requesting quotes from other system providers and adding prices into their quote.
- (12) QUESTION: Per Addendum 3 is the Compiled Form H - DBE Required Forms not required, is this completely removed from the RFP requirements?
AUTHORITY RESPONSE: RDU will accept the Federal Transit Administration Transit Vehicle Manufacturers DBE certification or documentation in lieu of the DBE forms.
- (13) QUESTION: Is RDU asking the bidder to provide a W-9
AUTHORITY RESPONSE: Each vendor should have their own W-9
- (14) QUESTION: Can RDU provide assistance on how to obtain the Two (2) separate downloadable documents Form K (Part 1) and Form K (part 2)?
AUTHORITY RESPONSE: Form K Part 1 and 2 attached.
- (15) QUESTION: Can the bidder obtain this Form in Excel format in order to fit the information in the cells of the form?
AUTHORITY RESPONSE: No, it is not available in excel format, the information can be provided in a separate document.
- (16) QUESTION: Can the bidder obtain this form in Excel format in order to fit the information in the cells and accurate calculation on the form?
AUTHORITY RESPONSE: No, it is not available in excel format, the information can be provided in a separate document.

- (17) QUESTION: Can an updated Form G be provided?
AUTHORITY RESPONSE: Yes, please see attached FORM G.
- (18) QUESTION: Is this Equipment Purchase Agreement required to be signed and submitted with IFB response?
AUTHORITY RESPONSE: It is not required to be signed, but revisions and changes must be included in your bid.
- (19) QUESTION: Will RDU require redlines (deviations) on the Equipment Purchase Agreement? If so, before submission or with the submission?
AUTHORITY RESPONSE: Yes, and must be submitted with your bid.
- (20) QUESTION: Will RDU modify the Equipment Purchase Agreement with regard to the DBE requirement in page 2- letter (b) and section XIII DBE Program?
AUTHORITY RESPONSE: Yes
- (21) QUESTION: Is this project federally funded or will private funds be used for the purchase of equipment?
AUTHORITY RESPONSE: Federal funds will be used for this purchase.
- (22) QUESTION: Will the agency require the bidder to complete the wrap/design of the exterior of the bus with the name of the Airport as indicated on the photo?
AUTHORITY RESPONSE: Buses shall be painted and decal by bus OEM.
- (23) QUESTION: Will RDU set up a site-visit with the bidders in order to evaluate the site and determine with RDU what is expected from the bidder.
AUTHORITY RESPONSE: A site visit was already conducted; however, a second one can be arranged.
- (24) QUESTION: What are the warranty requirements for RDU?
AUTHORITY RESPONSE: Bidder shall include all standard warranty in base bus pricing, system warranty. Provide optional pricing for extended warranty.
- (25) QUESTION: Will there be insurance required?
AUTHORITY RESPONSE: Yes and will be included in the equipment contract.
- (26) QUESTION: Will the agency accept an accord certificate in lieu of an insurance letter to satisfy the RFP requirement?
AUTHORITY RESPONSE: Yes
- (27) QUESTION: What document is required to establish financial stability?
AUTHORITY RESPONSE: Those documents will be requested from the apparent low bidder.
- (20) QUESTION: What is the evaluation criteria /scoring for this RFP?
AUTHORITY RESPONSE: This is an IFB, award will be made to the lowest responsive and responsible bidder.
- (29) QUESTION: What is the estimated delivery date required by the agency?
AUTHORITY RESPONSE: RDU would like buses delivered as soon as possible. Bidder shall provide bus lead times.

(30) QUESTION: Does RDU want 8 chargers, or 8 ports?

AUTHORITY RESPONSE: 8 standalone chargers as per scope. Bidder can also provide other solutions to see if RDU accept.

(31) QUESTION: Do we need to get waiver by North Carolina FAA in order to submit a bid?

AUTHORITY RESPONSE: No, Bidders may submit a Buy American List Certificate.

(32) QUESTION: Is RDU currently working or have a specific charger vendor, that they are using or wish to use, if so, who is that vendor?

AUTHORITY RESPONSE: No. Bus OEM will need to find a subcontractor for installing charging stations and infrastructure.

FORM K Part 1

FORM K (part 1): Specification Verification Form

Contractor:

RDUAA required specifications for each bus are provided. Confirm that each item is included in bid. Deviations from or Exceptions to the specifications may cause RDUAA to reject bid.

Item Designation	Description	Included in Bid (Circle Yes or No)
1	Air	
1	a Shop Air Connection	Yes / No
1	b Integral Purge Air Dryer and Reservoir System	Yes / No
1	c Air/Oil Separator	Yes / No
1	d Auto Drain Valve At Ping Tank	Yes / No
1	e Terminate Kneeling Operation Sensor	Yes / No
2	Body - Bus Length Electric	
2	a 40 foot Plug-in Low Floor Electric Transit Bus	Yes / No
3	Body Height	
3	a Does not exceed 130" overall height per specification	Yes / No
4	Body - Operator Seat	
4	a Fabric Seat and Back w/Gray Fabric Boxing	Yes / No
4	b Headrest	Yes / No
4	c Armrests (Left and Right Side)	Yes / No
4	d Contrasting Color Shoulder Belt	Yes / No
5	Body - Paint & Decal	
5	b (2) Colors, with and without Black Mask At Windows	Yes / No
5	e Paint/Decal Design (to match existing fleet per included drawing)	Yes / No
6	Body - Stanchions/Grab Rails	
6	a Stainless Steel Stanchions and Grab Rails and Modesty Panel Tubes	Yes / No
6	b Grab Rail Forward Wheel Housing	Yes / No
6	c Luggage Racks, Two -Tier with Fixed Shelf's to Match Existing Fleet	Yes / No
7	Body - Exit Door	
7	a Standard Melamine Panels on Lower Section	Yes / No
8	Body Exterior Mirror	
8	a 8" x 15", 2 Piece (Flat Upper/Convex Lower), Heated, Remote Upper Mirror Driver Side	Yes / No
8	b 8" x 15", 2 Piece (Flat Upper/Convex Lower), Heated, Both Remote Curbside	Yes / No
8	c Backup Camera System W/LCD Screen in Driver Area	Yes / No
9	Body Floor Covering	
9	a Non-slip Rubber flooring	Yes / No
9	b Composite Sub Floor	Yes / No
10	Body Interior Mirror	
10	a Mirror - 8 1/2 " X 16"	Yes / No
10	b Mirror - Front Door 6" Round on Header Door	Yes / No
10	c Mirror - Rear Exit Door/Step Well 12" Convex	Yes / No
11	Body- Passenger Signal	
11	a Pullcords - Above Windows (Neutral Or Yellow) w/Touch Pad At W/C Positions	Yes / No
12	Body- Rear Door	
12	a 48" Wide Rear Door w/Full Driver Control (Air Open/Spring Close)	Yes / No
12	b Exterior Air Release (Front Door Control Valve)	Yes / No
12	c Driver Push Button Door Controls	Yes / No
13	Body -Roof Hatch	
13	a Manual Hatch At Front and Rear Positions	Yes / No
14	Cooling System	
14	a Electric Fan Cooling System	Yes / No
14	b Constant Torque Clamps	Yes / No
15	Electrical	
15	a Battery Voltage Equalizer	Yes / No
15	b Detailed analysis of expected battery performance in the Design Operating Profile	Yes / No
15	c Charge cycle and cycle life should be stated in the bid and a life cycle cost analysis of the proposed battery system	Yes / No
16	Elect - Automatic Passenger Counter	
16	a Bridge Technologies AVL/GPS/APC/OBDAO System Per Specification	Yes / No
17	Elect - Accessories	
17	a 12 V Cigarette Light Adaptor for PC Auxiliary Power - Drivers Area	Yes / No
18	Elect - Equip Storage Box	
18	a None	Yes / No
19	Elect - Exterior Lights	

19	a	All Exterior Lights LED - Type Lamps	Yes / No
20		Elect - Multiplexing	
20	a	I/O Controls System	Yes / No
21		Elect- Auxiliary Lights	
21	a	Four (4) 4" Diameter LED Auxiliary Brake Lights	Yes / No
21	b	Exterior Curb Lamps, Front & Rear - Dialight	Yes / No
21	c	Rear Electrical Compartment Lights	Yes / No
22		Elect - Battery & Battery Chargers	
22	a	(2) AGM Group 31 qty 2	Yes / No
22	b	Depot Battery Charging system	Yes / No
23		Elect- Communication/Radio	
23	a	Mobile 35W, 764-870 MHz	Yes / No
23	b	DC Power Filter for Radio Wiring	Yes / No
23	c	Hand - Held Microphone	Yes / No
24		Elect - Destination Signs	
24	a	Front & Side & Rear	Yes / No
26		Elect - Pleasure Radio	
26	a	None	Yes / No
27		Elect - Public Announcement	
27	a	Drivers Speaker W/Separate Volume Control	Yes / No
27	b	PA W/Boom Mic, Handheld Mic and and (8) Flush Mount Speakers Per Specification	Yes / No
28		HVAC	
28	a	Electric HVAC System	Yes / No
28	b	Pressure and Return Gauges Mounted to Unit	Yes / No
28	c	Drivers Heater W/Brushless Motors	Yes / No
28	d	Software and Diagnostics Cable for HVAC system (2 sets per Bus Order)	Yes / No
29		Manuals	
29	a	Drivers Handbook (1 Manual/1 CD per Bus Order)	Yes / No
29	b	Service Manual (1 Manual/1 CD per Bus Order)	Yes / No
29	c	Parts Manual (1 Manual/1CD per Bus Order)	Yes / No
29	d	Electrical Schematics (1 Manual/1CD per Bus Order)	Yes / No
29	e	Vender Manuals (1 Manual/1 CD per Bus Order)	Yes / No
30		Safety	
30	a	25lb ABC System	Yes / No
30	b	Fire Extinguisher and Safety Triangle Kit	Yes / No
30	c	Twenty - Four Unit First Aid Kit	Yes / No
30	d	Bio - Hazard Disposal Kit	Yes / No
30	e	High Temperature Protective Sleeves for Component Lines	Yes / No
30	f	Wheel Chocks (Per Set)	Yes / No
31		Steering	
31	a	Electric Assisted Steering	Yes / No
32		Training	
32	a	Operator Orientation - As Specified	Yes / No
32	b	Maintenance Orientation - As Specified	Yes / No
32	c	OEM Training - 2 Slots for "Train the Trainers" Technical Instruction As Specified	Yes / No
32	h	First Responder and Mutual Aid Training - As Specified	Yes / No
33		Training Equip/Modules	
33	a	None	Yes / No
34		W/C Restraints	
34	a	2 Wheelchair Securements	Yes / No
35		Warranty (Provide details of all warranties with bid including any/all exclusions and exceptions)	
35	a	Complete Bus - 1 Year/Unlimited Miles	Yes / No
35	b	Chassis Structure - 12 Year/500,000 Miles	Yes / No
35	c	Electric Hub Motor - 5 Year/300,000 Miles	Yes / No
35	d	Inverters - 5 years	Yes / No
35	e	Batteries - 5 years	Yes / No
35	f	HVAC - 3 Year Unlimited Miles	Yes / No
35	g	Basic Body Structure - 3 Years/Unlimited Miles	Yes / No
35	h	Wheelchair Ramp - 2 Year/Unlimited	Yes / No
35	i	Exterior Paint - 3 Year/Unlimited Miles	Yes / No
35	j	Structure/Body Integrity Against Corrosion - 7year/Unlimited Miles	Yes / No
35	k	Sub Floor - 12 Years/Unlimited Miles	Yes / No
35	l	Rubber Floor Material - 12 Year/Unlimited Miles	Yes / No
35	m	Body and Window Frames Against Leakage - 7Year Unlimited Miles	Yes / No
35	n	Provide comprehensive statement of the warranty items relating to the battery, including explanation of all disclaimers within the warranty	Yes / No
36		WC Ramp	

36	a	6:1 Self-Leveling Ramp	Yes / No
37		Wheel Brakes	
37	a	All Wheel Disc Brakes	Yes / No
38		Wheel Hubs	
38	a	Hub Piloted Wheels and Axles W/Grease Seals	Yes / No
39		Wheels	
39	a	(7) Aluminum - Low maintenance surface finish and shall resist rim flange wear.	Yes / No
40		Wheel- Tires	
40	a	Standard Tires (7)	Yes / No
41		Windows	
41	a	Laminated Safety Glass (1/4") - Framed Transom	Yes / No
42		Passenger Seat Options	
42	a	Perimeter Seating with Level V Fabric to Match Existing Layout	Yes / No
43		Towing & Hoisting	
43	a	Set Towing Adapters/Tow Bar	Yes / No
43	b	Set of Hoist Adapters (Includes the 4 Following Items)	Yes / No
43	c	Incl w/set - Front Saddle	Yes / No
43	d	Incl w/set - Front Adapters	Yes / No
43	e	Incl w/set - Rear Saddle	Yes / No
43	f	Incl w/set - Rear Adapters	Yes / No
44		Other Items	
44	a	Cup Holder	Yes / No
44	b	Auxiliary Drivers Fan	Yes / No
44	c	LED Interior Lights	Yes / No
44	d	5 Sets	
44	d	Provide List of Special Tools and Pricing Required to Maintain Equipment	Yes / No
46		Technical Specifications	
46	a	All other items as specified in the technical specifications not noted above	Yes / No

RDUA required specifications for each bus are provided. Deviations or Exceptions from specifications may cause RDUA to reject bid. Please note and Deviations or Exceptions Below:

FORM G



INVITATION FOR BID (IFB NO. 554-2023-0054)

7. Form G – Tax Delinquency and Felony Convictions Certifications

CERTIFICATION OF OFFERER/BIDDER REGARDING TAX DELINQUENCY AND FELONY CONVICTIONS

The applicant must complete the following two certification statements. The applicant must indicate its current status as it relates to tax delinquency and felony conviction by inserting a checkmark (✓) in the space following the applicable response. The applicant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification in all lower tier subcontracts.

Certifications

- 1) The applicant represents that it is () is not () a corporation (or other business entity or individual) that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an contract with the authority responsible for collecting the tax liability.
- 1) The applicant represents that it is () is not () is not a corporation (or other business entity or individual) that was convicted of a criminal violation under any Federal law within the preceding 24 months.

Note

If an applicant responds in the affirmative to either of the above representations, the applicant is ineligible to receive an award unless the Authority has received notification from the agency suspension and debarment official (SDO) that the SDO has considered suspension or debarment and determined that further action is not required to protect the Government's interests. The applicant therefore must provide information about its tax liability or conviction to the Authority, who will then notify the FAA Airports District Office, which will then notify the agency's SDO to facilitate completion of the required considerations before award decisions are made.

Term Definitions

Felony conviction: Felony conviction means a conviction within the preceding twenty-four (24) months of a felony criminal violation under any Federal law and includes conviction of an offense defined in a section of the U.S. code that specifically classifies the offense as a felony and conviction of an offense that is classified as a felony under 18 U.S.C. § 3559.

Tax Delinquency: A tax delinquency is any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an contract with the authority responsible for collecting the tax liability.

END OF FORM G

Thank you for your interest in doing business with our Agency and we look forward to receiving a bid submittal from your firm.

Paul Brown

Procurement and Contracts Specialist II

END OF ADDENDUM #5