



ADDENDUM #4

SUBJECT: CHARLOTTE TROLLEY CAR W/ OPTIONAL W2 TROLLEY CAR REHABILITATION

DATE: MAY 16, 2024

PROPOSAL NO.: 24-03

PROPOSAL DUE: JUNE 28, 2024 **TIME:** 11:00 a.m. C.T.

Please note the following changes for the above-referenced RFP:

The language in Part II Section 3.4.1 Liquidated Damages - is appended as follows:

Liquidated damages shall apply should Contractor fail to deliver completed trolley cars per the contract schedule. The liquidated damages shall be \$67 per day per trolley vehicle that Contractor is late in delivering rehabilitated trolley cars per the contract delivery schedule. MATA will cap the liquidated damages at 5% of the contract value.

The language in Part II Section 5.3 Trolley Car Upgrades Overview - is appended as follows:

2. Master Controller: Design, test, install, and replace the trolley's Master Controller with K-35 Master Controllers as specified in 5.8.6 Propulsion Controls.
3. HVAC System: Design, configure, test, and install HVAC system to provide effective trolley car heating, ventilation, and cooling for passengers and operator. The HVAC system design and installation should be identical to the extent practical on all MATA trolley cars (e.g. MATA trolley car numbers 234, 453, 455, 539, 540). The system should include reasonable and practical sealing/weather stripping improvements around doors and windows in an effort to maximize HVAC system efficiency.

The language in Part II Section 5.5.1 Roof - is appended as follows:

1. Contractor shall perform a water test at its facility. The test shall be performed to ensure the roof, windows, doors, door seals, and HVAC vents are sealed against all water leaks, including leaks as the car is traveling at speeds up to 35 MPH. The trolley car shall not leave Contractor's facility until all water leaks are eliminated to MATA's.
 - a. The spray test must be applied to all parts of the car body that would be exposed to a rain shower and associated underfloor wheel wash.

- b. All spray applications shall run for ten (10) minutes before the inspection for leaks begins and shall run continuously during the inspection. Interior panels shall be removed to aid in the determination of leakage.
- c. The test shall utilize a flow rate of approximately .08 gal/ ft 2/min.
- d. The pressure of the water during the test shall simulate the conditions existing at a car speed of 35 mph (simulating wind effect).
- e. Underfloor boxes shall receive a pressure water test similar to the water tightness test of the car body.

The language in Part II Section 5.6.8 Window Sash - will now read as follows:

All Window sashes shall be removed and cleaned. The sashes will be reused if possible. New glazing and seals are to be applied. Glazing will be safety glass and each window shall be marked by the manufacturer in the lower corner. A durable shatterproof film shall be applied to all windows. All windows seals shall pass the water test. Contractor shall propose ways to mitigate excessive glare while operating at night (reflection from interior lights).

The Language in Part II Section 5.9.2 Gearbox – will now read as follows:

. . . All Gearboxes shall be checked for leaks, cleaned, and repaired as needed. The hatch for checking lubrication shall be in good working order. Contractor shall install new hatch return springs. Gearbox housings shall have minimal leaking or seep gear lube. Contractor shall install all new seals to prevent spillage or leaks from occurring. Gear lube shall be Mobil SHC Synthetic Gear Lube or approved equal. Gear cases shall be painted red.

The language in Part II Section 6.2 Trolley Car History and Specifications, first paragraph - is appended as follows:

The Melbourne W2 Trolley Car No. 545 is an original W2 trolley car. In 2018, MATA acquired the trolley car for use in the MATA trolley system. The following car data is provided for reference:

The language in Part II Section 9 Spare Parts, 7. - is appended as follows:

- 7. New reverser handle with a spring clip (per TS 5.9.6.2), 12 each

The language in Part II Section 9 Spare Parts – is appended as follows:

9.1 Additional electrical equipment shall be provided and installed as follows:

Equans Part #	Description	Quantity per Unit
LBL0109.011.F	VLU- Ucineo66 Base 4Go	1
LBJ0046.008.B	MDT-Tacileo30	2
LBG0360.000.A	Driver Handset	2
LDC0597.000.A	Driver Speaker	2
LCD00446.000	Covert Microphone	2

HEE0120	GPS Antenna and Cable	1
LCDO0658.000.B	AGC Microphone	1
ICD2219	Handset Bracket	2
ICD2245	MDT Bracket	2
IDC2217.001	LED Sign Bracket	1
L057AMBN26	Hannover Interior Sign	1
LBC0189.000	External Speaker	1
ICD2221.000	External Speaker Bracket	1
HDG0051	Internal PA Speaker	8
ICD2222.001	Internal Speaker Bracket	8
N/A	Speaker Grille	8
HAA0027	EA Pushbutton	1
HAA0028	Button Body	1
HAA0030	NC Contact Switch	1
IDA0040	APC mount	2
HAD0016	Hella Passenger Counter	2
N/A	Trolley Harness	

Luminator/Apollo Camera Equipment		
Item	Item Description	Quantity per Unit
RR-HDR4K08-8000	RoadRunner 4K 8 Cam Mobile Recorder	1
RR-HDEH	RoadRunner HD Environmental Heater	1
RR-4KCF1115	4K Forward Facing Camera, 115deg FoV	2
RR-HDCTDIRA100	HD Camera - Interior, 100deg FoV	4
RR-HDC360IRA	RoadRunner HD 360 Degree Camera w/ IR an	1
RR-HDUPS-S	HD Uninterruptible Power Supply, SuperCap	1
511290121	DISPLAY, INFOTRANSIT, 18.5 INCH	1
509523005	BRACKET, DISPLAY CABINET WITH CABLE CUTO	1
mSET-SC-L	mSET SmartClip Single-Vehicle License	1
mSET-SV-L	mSET Streaming Single-Vehicle License	1
RR-HDR-INSTALL-H	RR-HDR Standard Installation Kit w/ Heat	1

Other Assorted ITS Equipment		
Item	Description	Quantity per Unit
MG90, NA, LTE-A PRO	MG90 Modem	1
6001363	MG90 Antennas	2
PT-0080	ProTrans Safe Turn Alert Kit	1
CDM1250	Motorolla UHF Radio	1
SV360	AMCO Ticket Validator	1 or 2 depending on Door configuration
76-1000-1156-0	GTE Opticom TSP	1
cents-a-bil	GFI Farebox	1 or 2 depending on Door configuration

For any questions concerning this change, you may contact Ashley Best, Senior Contract Administrator at 901-722-7182 or by email at abest@matatransit.com.