

**REQUEST FOR PROPOSAL
FOR
DESIGN AND MANUFACTURE OF RAIL CARS AND
RELATED SERVICES
SOLICITATION # 20CTRAIL-1**

ADDENDUM #3

1. The following are included in this Addendum #3.
 - a) CTDOT's response to an RFP question received from a Proposer;
 - b) Revisions to RFP documents;
 - c) PART 6: PRICE PROPOSAL FORM (rev Sep 25, 2020).
2. Except for Revisions set forth in this Addendum #3, all other terms and conditions of the RFP remain the same.

Design and Manufacture of Rail Cars and Related Services
Solicitation # 20CTRAIL-1
Response to RFP Questions

- Part Key:
G - General Questions
1 - Instructions
2 - Definitions
3 - Scope of Work
4 - Technical Specification
5 - Draft Contract
6 - Price Proposal Form

<u>Question No.</u>	<u>Part No.</u>	<u>Section Reference</u>	<u>Question</u>	<u>Answer</u>
Addendum 1, Question 67	5	9.1	<p>Correction of Deficiencies</p> <p>This section describes a right of CTDOT and an obligation of Contractor to correct deficiencies and the associated process.</p> <p>It is unclear how this section is implemented as opposed to the Warranty obligations.</p> <p>Can CTDOT please explain how this obligation is different from the Warranty obligations?</p>	<p>This section is primarily intended to address any redesigns that may be required as a result of a deficiency existing in the rail cars or any of the spare parts or other materials and deliverables accepted by CTDOT under this Contract. At time of Contract finalization, CTDOT is willing to consider clarifying revisions as may be necessary.</p>

Part 4, Paragraph 10.11 is replaced by the following:

10.11 Provision for Air Treatment System

A provision for a future air treatment system yet to be developed shall be provided on each car. Provisions for such a future air treatment system will include providing supply and control voltages (120VAC or 74VDC) and an equipment space allocation of at least 20 in. x 20 in. x 30 in. near the HVAC air supply stream. Provisions for equipment location shall include a secured lockable cabinet that is within easy access for maintenance personnel and crew.

10.12 Air Treatment System (ADD-ON)

- A. Prior to Contract execution, CTDOT will determine if this feature will be included in the Contract.
- B. Contractor shall provide an air treatment system capable of disinfecting air in the complete vehicle. The proposed solution shall work in concert with the HVAC system and provide an anti-virus air treatment to the discharge air supply provided to the ceiling supply duct. The air treatment system shall provide a safe and effective means of disinfecting air as it circulates throughout the vehicles and is drawn through the HVAC system.
- C. System shall operate on a power supply of 120VAC or 74VDC voltage and interface with the HVAC system air supply to the car ducting to evenly disperse the air treatment solution throughout the passenger compartment. The system shall include a method of monitoring and controlling the air treatment system to maintain proper levels of protection throughout the entire vehicle. Equipment shall be sized to provide a minimal intrusion to the vehicle interior and shall be readily accessible for maintenance personnel. The air treatment system may be provided as an integral part of the HVAC system design or as a stand-alone solution. As it is anticipated that the air treatment equipment may require frequent access or maintenance, it shall be readily accessible to maintenance personnel and crew behind a locked panel.
- D. The air treatment method must be proven to be safe for all maintenance personnel, crew, and passengers. A complete safety and hazard analysis shall be submitted for review and approval in addition to being compliant with all other Technical Specification requirements. Additionally, the air treatment system shall be fully tested and verified by an independent third party with documented efficacy against common viruses including H1N1 Influenza and SARS-Cov2/Covid-19. Testing shall identify the efficacy levels achieved and the timeframe for accomplishing such results. Contractor is responsible for submission of a complete documentation package for review and approval that will demonstrate to the Engineer that the proposed air treatment solution is safe and effective. [CDRL 10-006]

10.13 Contract Deliverable Requirements List

CDRL #	Title	Car Type
10-001	System Functional Description	All
10-002	HVAC System Performance Evaluation	All
10-003	Heating and Cooling Load Analysis	All
10-004	HVAC Lifting Provisions	All
10-005	Refrigerant Control Box Design	All
10-006	Air Treatment System	All

Part 4, Paragraph 12.01.A.7 is added:

full integration all functionality of the existing CTDOT Train Information System

Part 4, Paragraph 12.01.G, is replaced by the following:

CTDOT utilizes Clever Devices ***Train Information System (TIS)*** as their existing Automatic Vehicle Location technology provider to facilitate train tracking, ***onboard announcements (audio and visual), communications from central office to onboard***, station platform announcements, ***data management***, and other intelligent transportation system features. The Contractor shall supply, install, and test all equipment and software necessary to successfully integrate ***the onboard system for the new railcar*** with the existing CTDOT Train Information System (TIS), supplied by Clever Devices.

Part 4, Paragraph 12.05.03.E is added:

At the Contractor's option, OTIS/PIS system components and functionality, including the Car Control Unit and Passenger Information System Control Unit, may be integrated within the Clever Devices hardware identified in section 12.01 required to be supplied by the Contractor.

Part 4, Paragraph 12.05.04 E.9 is added:

The Contractor shall designate a single entity responsible for the maintenance of all subscriptions required to support all wayside components of this specification, including but not limited to OTIS/PIS updates, vehicle monitoring and status information, automatic passenger counting reports, video surveillance system downloads, and dynamic advertising system updates. The Contractor's designee shall be Clever Devices or alternate as approved by the Engineer.

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PART 6: PRICE PROPOSAL FORM

Base Order Pricing

ITEM #	QTY	DESCRIPTION	DELIVERED UNIT PRICE	TOTAL BASE PROPOSAL PRICE
1	41	SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT, WARRANTY, AND ALL DELIVERABLES, PER TECHNICAL SPECIFICATION (TRAILER CAR VERSION) AT: _____ Dollars each (<i>unit price written in words</i>)	\$ _____	\$ _____
2	19	SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT, WARRANTY, AND ALL DELIVERABLES, PER TECHNICAL SPECIFICATION (CAB CAR VERSION) AT: _____ Dollars each (<i>unit price written in words</i>)	\$ _____	\$ _____
		GRAND TOTAL	\$ _____	\$ _____

Add-On Pricing

ITEM #	QTY	DESCRIPTION	DELIVERED UNIT PRICE	TOTAL ADD-ON PROPOSAL PRICE FOR BASE ORDER
1	60	ADD-ON INSTALLED SIDE DOOR STATUS INDICATORS PER TECHNICAL SPECIFICATION SECTION 8.12 (ONE CARSET) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
2	60	ADD-ON INSTALLED FORBO FLOTEX FLOORING PER TECHNICAL SPECIFICATION SECTION 9.06.03 (ONE CARSET) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
3	60	ADD-ON INSTALLED AUTOMATIC PASSENGER COUNTING SYSTEM PER TECHNICAL SPECIFICATION SECTION 12.05.09 (ONE CARSET) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
4	60	ADD-ON INSTALLED AIR TREATMENT SYSTEM PER TECHNICAL SPECIFICATION SECTION 10.12 (ONE CARSET) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____

Option Pricing

ITEM #	QTY	DESCRIPTION	DELIVERED UNIT PRICE	TOTAL OPTION PROPOSAL PRICE
1A	8	ADDITIONAL SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT AND WARRANTY, PER TECHNICAL SPECIFICATION (TRAILER CAR VERSION) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
1B	4	ADDITIONAL SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT AND WARRANTY, PER TECHNICAL SPECIFICATION (CAB CAR VERSION) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
2A	12	ADDITIONAL SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT AND WARRANTY, PER TECHNICAL SPECIFICATION (TRAILER CAR VERSION) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
2B	3	ADDITIONAL SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT AND WARRANTY, PER TECHNICAL SPECIFICATION (CAB CAR VERSION) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
3A	13	ADDITIONAL SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT AND WARRANTY, PER TECHNICAL SPECIFICATION (TRAILER CAR VERSION) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
3B	2	ADDITIONAL SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT AND WARRANTY, PER TECHNICAL SPECIFICATION (CAB CAR VERSION) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
4A	26	ADDITIONAL SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT AND WARRANTY, PER TECHNICAL SPECIFICATION (TRAILER CAR VERSION) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
4B	4	ADDITIONAL SINGLE-LEVEL PUSH-PULL RAIL CAR, INCLUDING SITE SUPPORT AND WARRANTY, PER TECHNICAL SPECIFICATION (CAB CAR VERSION) AT: _____ Dollars each <i>(unit price written in words)</i>	\$ _____	\$ _____
5A	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE BASE ORDER RAIL CARS PER SCOPE OF WORK (INITIAL 10-YEAR PERIOD) AT: _____ Dollars each <i>(unit price written in words)</i>	N/A	\$ _____

ITEM #	QTY	DESCRIPTION	DELIVERED UNIT PRICE	TOTAL OPTION PROPOSAL PRICE
5B	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE OPTION 1 RAIL CARS PER SCOPE OF WORK (INITIAL 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____
5C	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE OPTION 2 RAIL CARS PER SCOPE OF WORK (INITIAL 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____
5D	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE OPTION 3 RAIL CARS PER SCOPE OF WORK (INITIAL 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____
5E	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE OPTION 4 RAIL CARS PER SCOPE OF WORK (INITIAL 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____
6A	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE BASE ORDER RAIL CARS PER SCOPE OF WORK (SECOND 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____
6B	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE OPTION 1 RAIL CARS PER SCOPE OF WORK (SECOND 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____
6C	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE OPTION 2 RAIL CARS PER SCOPE OF WORK (SECOND 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____
6D	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE OPTION 3 RAIL CARS PER SCOPE OF WORK (SECOND 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____
6E	Lot	POST-WARRANTY SERVICE AND SUPPORT FOR THE OPTION 4 RAIL CARS PER SCOPE OF WORK (SECOND 10-YEAR PERIOD) AT: _____ Dollars each (<i>unit price written in words</i>)	N/A	\$ _____

Average Vehicle Price

ITEM #	QTY	DESCRIPTION	DELIVERED UNIT PRICE	TOTAL OPTION PROPOSAL PRICE
1	132	Average Vehicle Price = (Total Base Proposal Price Line 1 + Total Base Proposal Price Line 2 + Total Option Proposal Price Line 1A + Total Option Proposal Price Line 1B + Total Option Proposal Price Line 2A + Total Option Proposal Price Line 2B + Total Option Proposal Price Line 3A + Total Option Proposal Price Line 3B + Total Option Proposal Price Line 4A + Total Option Proposal Price Line 4B) ÷ 132 At: _____ Dollars (average price written in words)	N/A	N/A