



**RFP #20-02 Intelligent Transportation Systems  
Addendum #4  
04/27/20**

This addendum answers questions posed by potential offerors.

Please note that additional questions will be entertained through April 29, 2020.

Number	Source	Question	Answer
1	Round 2 Questions/ Clarifications	Section 2.2 identifies an Icomera Moovbox router. Can you please provide the model of this router (M220, M310, M340)? a. What is it currently used for? b. Can you identify what equipment is currently connected to the Moovbox router, and whether each uses WLAN, cellular or both? c. Can you please identify how the Moovbox router is configured: 1.How many Wi-Fi modems? 2.How many cellular modems? 3.Is it configured for Public Wi-Fi? 4.Does it have Cellular dedicated to ITS? 5.Does it have WLAN dedicated to ITS for bulk data transfer at the depot?	Please see Addendum 1 for a components list. There is WAN modem in each MoovBox that connects to the Verizon cellular network. Each is configured for public WiFi.  There is not currently bulk data transfer at the depot, but a WiFi network exists that could be used for this purpose. The access point is a UniFi nanoHD Wave 2 (802.11ac).  The Moovbox units are connected to the DR600s/700s (hardwired), and the APC units (private WiFi network).
2	Round 2 Questions/ Clarifications	Does MUTD have WLAN coverage at the depot that is used for bus to depot communications? a. If so, what technology (802.11 a, b/g, n, etc.)? b. How many access points are deployed at the depot?	We do not currently have this. However, there is WLAN coverage at the depot. The access point is a UniFi nanoHD Wave 2 (802.11ac).

3	Round 2 Questions/ Clarifications	<p>Page 9: Section 2.2 states that MUTD operates 31 buses. However, the breakdown of the bus types only totals 29 vehicles. Can MUTD please clarify the correct fleet count?</p> <p>a. Can the agency please provide a detailed vehicle inventory, broken down by bus type, for all vehicles to be involved in project? Please include information regarding make, model, year, number of doors, door widths/heights, external/internal speakers, existing equipment to be removed, and existing equipment with which to be integrated (i.e. routers).</p>	<p>There are 31 vehicles in this project - see Addendum 1.</p> <p>Here is the vehicle information by vehicle ID listed in Addendum 1:</p> <p>7 (1): Chance Trolley CCE AH28  211-213 series (2): Gillig Phantom, 2000, 35-ft  306-310 (5): Gillig Phantom, 2006, 35-ft  421-430 (10): Gillig Low Floor BRT, 2009, 29-ft  501-504 (4): Eldorado EZR 2 Max-32, 2010, 32-ft  505-507 (3): Gillig Low Floor BRT, 2010, 35-ft  19601-19606 (6): Proterra Catalyst E2, 2019, 35-ft</p> <p>Each vehicle has a front and rear door.</p>
4	Round 2 Questions/ Clarifications	<p>Section 2.6 states "The initial contract shall include a warranty of a minimum of one (1) year for all hardware and software beginning at final acceptance and pricing for the first five (5) years of maintenance and support. Additionally, the vendor shall provide service contract requirements and anticipated costs beyond the initial three (3) year contract."</p> <p>a. Can MUTD please clarify the contract period, the hardware warranty period, the software maintenance period?</p>	<p>The initial contract period will be five (5) years, including software maintenance and support. A minimum hardware warranty of one (1) year.</p>
5	Round 2 Questions/ Clarifications	<p>Section 1.12 states that "If an Offeror feels that any information is confidential or proprietary in nature, the Offeror must submit all such information in a separate sealed envelope". However, as specified in section 1.3 (Page 3), the proposals will be submitted electronically via email.</p> <p>a. Will MUTD accept a full redacted copy of the proposal submitted along with the unredacted copy wherein proprietary sections are noted for ease of readability?</p>	<p>Yes, a redacted copy of a submittal, or portions of a submittal, will be accepted for use in public information requests.</p>

6	Round 2 Questions/ Clarifications	Is MUTD tax exempt from state and federal taxes?	Yes.
7	Round 2 Questions/ Clarifications	During what days and hours can vehicle installations occur?	Standard operating hours are Monday - Friday, 7 am to 11 pm and Saturday, 8 am to 7 pm.
8	Round 2 Questions/ Clarifications	What is the mandatory stop time for pull-outs?	Last pullout on weekdays is 315 pm. Last pull-in on weekdays is at 1045 pm.
9	Round 2 Questions/ Clarifications	How many buses will MUTD make available per day? a. Once we finish installation on a bus, will another bus be made available during the same shift, assuming we have enough time to complete before pull-out?	MUTD can make up to 3 buses available per day. If an installation is completed to the point of being able to put the bus into service, it can be swapped out with another bus at the next pull-in.
10	Round 2 Questions/ Clarifications	Will agency supervision be present during the installation? We require resources for road tests, preinspection of vehicles and ATP signoff.	MUTD maintenance and operations staff will be on-site and available during standard operating hours.
11	Round 2 Questions/ Clarifications	Will the agency be able to provide secure storage for bus kits, which are required for installation and would be shipped prior to the start of installation?	Yes, storage will be accommodated as able.
12	Round 2 Questions/ Clarifications	Is it possible to provide fewer than 11 cameras per bus if full coverage of the bus can be provided?	Yes, fewer cameras is acceptable if coverage comparable to what's shown in Addendum 3 can be demonstrated.
13	Round 2 Questions/ Clarifications	MUTD states in the RFP a need for 30 days of recording and potential video saving for up to 3 years. How many hours a day are the 31 vehicles in service?	There are 220 platform hours for each weekday, and 68 platform hours each Saturday.
14	Round 2 Questions/ Clarifications	Would MUTD provide an inventory of the amount of cameras in each bus?	The 1900-series buses (6) each have eleven (11) cameras. All other buses (25) each have five (5) cameras.
15	Round 2 Questions/ Clarifications	Will you accept other MDVR vendors other than REI or Provision as long as we meet or exceed specifications (see attached)?	Yes.

16	Round 2 Questions/ Clarifications	Do you own and manage the cellular modems? Are there open ports for the MDVR?	Yes.
17	Round 2 Questions/ Clarifications	Do you have Wi-Fi in the bus yard and server infrastructure to download events and alarm video clips when the bus returns to the yard?	Yes, we have a UniFi nanoHD Wave 2 (802.11ac) access point.
18	Round 2 Questions/ Clarifications	What system currently does the bike rack data flow into?	It flows into the APC system and available to staff through the same portal used to access ridership data.
19	Round 2 Questions/ Clarifications	Is the Icomera router used for anything besides Wifi?	Yes. The Icomera routers is connected to the DR700/600 and APC units. Please see Addendum 4.
20	Round 2 Questions/ Clarifications	Can Mountainline provide serial numbers on the luminator Horizon, TwinVision Smart Series, and Sunrise Systems?	Model numbers for each unit are provided in Addendum 1. Serial numbers are physically challenging to obtain - if they are absolutely necessary, please contact Vince Caristo directly.
21	Round 2 Questions/ Clarifications	Is Mountainline able to provide the age of the signs onboard, as well as how long those sign have been onboard?	Age is unknown. All are in good working condition.
22	Round 2 Questions/ Clarifications	How long have the Icomera routers been in use?	Since 2014 or 2015.
23	Round 2 Questions/ Clarifications	Addendum 3 states that MUTD would like 11 cameras. However, the diagram shows a total of 17 cameras. Of these 17, 11 are for viewing the bus interior and 6 for viewing the exterior of the bus. Cameras are unique by location and mounting. As an example, an exterior camera is more expensive than an interior camera. Thus, we need to know exactly which cameras you desire. Can you please clarify how many cameras are required and identify the location and direction of each?	In Addendum 3, the 11 desired camera placements are indicated in the diagram by yellow circles.

24	Round 2 Questions/ Clarifications	Thank you for the inventory by bus number. Can MUTD please include the manufacturer, model, length, and quantity of doors for each bus?	Please see Question 3, above.
25	Round 2 Questions/ Clarifications	Are your existing wayside digital signs able to receive open API such as GTFS/GTFS RT?	We do not know the answer to this question. You'll have to verify with the manufacturer.
26	Round 2 Questions/ Clarifications	Can you specify what do you mean by integration with CCTV: real-time report of CCTV feed to dispatch in case of emergency / exchange of location data between both systems / others... ?	In an integration scenario, the existing on-board camera system should be unaffected by this project but its functionality cannot be impaired by any work done on the bus.
27	Round 2 Questions/ Clarifications	What is the current use of the Gooseneck in the bus and shall we provide that same feature it is used for?	The gooseneck is used for vehicle announcements.