Bcrta
Butler County Regional Transit Authority

ADDENDUM #2

Issued: February 1, 2021
#2020-012 Intelligent Transportation System

ADDENDUM 2

Changes to the Solicitation

All changes can be found in the revised solicitation, Version 2.0, available on the solicitation page at butlercountyrta.com. Changes issued via this addendum:

J.   Mobile Communications Solution (OPTIONAL)

BCRTA currently has BRICS mobile communication radios (800mghz). A vehicle-mounted communications system is wanted by BCRTA operations department to replace the BRICS solution. The coverage area should range from Hamilton County to Montgomery County which is roughly 2,000 square miles. A dispatch console at each location (3) is required if it is a hardware-based solution or if a cloud-based system will require licenses (between 6-10) to be acquired. If web/cloud based there will need to be an app downloadable for in the field supervision (10).

There is a need for 95 vehicle-mounted communication products. This will cover the entire fleet including revenue vehicles and non-revenue vehicles. Units in revenue vehicles will need to run off the on-board cradlepoint wireless (Verizon) and the non-revenue vehicles will require a SIM card or hotspot product since they do not have cradlepoints on-board.

Vehicle mounted communications solution should include a wired external microphone, external speaker, wiring harness, and antenna. Bluetooth wireless handheld microphone options are not an acceptable alternative.

The supervisor and dispatchers units need to operate on the Butler County BRICS system for communications with emergency personnel.

BCRTA Proposed Specifications and Requirements
The mobile communication solution must meet the following requirements:

1. Total System replacement of 95 handheld, vehicle mounted or other communication devices.

2. Three dispatching consoles. One for each location stated above. A dispatch console should be web based. This console allows the on-duty dispatcher to:

    a. Take and receive radio communication.
    b. Records all traffic incoming and outgoing.
    c. Create talk groups.
    d. Send out alerts.
    e. Listen to what is happening in live time if needed.

3. Features an emergency button. This should be one isolated button on the device that sends a response to the dispatcher informing them that the vehicle operator needs help.

4. Five Isolated channels or the ability to create a talk group and the ability for select devices to scan all channels. The scan feature will allow select devices to listen to all incoming and outgoing communications at one time. The ability to operate on the local fire and police channel. 1 encrypted channel required. Encryption is to prevent unauthorized access.

5. Take the floor feature. This feature will allow the Supervisor or Dispatcher to

immediately cancel all radio traffic and speak.

6. Missed radio calls to be recorded on the dispatch console. The dispatcher should be able to check an alert or notification on the console that will notify them of a missed radio call and who it was from.

7. Single button push-to-talk for vehicle operators to reach dispatch. In no scenario will it be acceptable for a vehicle operator to have to scan to reach dispatch.

8. Durable and rugged construction. Must be made of polycarbonate material or aluminum.

9. Warranty and cost of programming and installation, replacement parts (i.e.: clips, microphones, and batteries) included.

10. 8-year product guarantee. We are looking for a product that will not become obsolete and unusable for the network it is being utilized on.

Pricing for all equipment should be listed for the life of the contract. Purchases may be spread out over the life of the contract if option is exercised. Installation of units will be done by BCRTA maintenance staff after training by the vendor. Support will need to be included in the pricing for the duration of the contract.

A new price proposal form has been uploaded as well to the solicitation site to include OPTIONAL Section J. Mobile Communications Solution.

Answers to Questions

1. Will BCRTA please provide the manufacturer, and manufacturer part number of the dock currently used for the ZX70?
    A. StarTech ST7200USBM

2. Will BCRTA please further describe the Android Radio Solution and the desired integration?
    A. Removed from Section C and indicated clearly in new Section J.

3. Will BCRTA please further describe the "JRV Validator" and the desired integration?
    A. Ignore the integration with JRV Valdiator portion. It will be removed from the scope Section C due to the solution being reprioritized for on-demand services instead of fixed route.

4. Generally, historical recordings for camera systems are provided in the camera application. CAD/AVL integrations are generally limited to allowing "Live View" in real-time dispatching interfaces, not storing recordings. Will BCRTA accept this level of integration?
    A.   Yes, the proposer must explain in what detail the integrations possible with your product. In question 21 from Addendum #1 it states the emergency integration when the panic button is hit on the Seon Camera system to the CAD/AVL system

alerting the dispatchers as well as changing the headsigns to alert there is a public emergency happening on-board the vehicle.

5. Should proposers provide pricing for a "1" quantity for each Wayside Signage type? If not, what quantity of each would BCRTA prefer proposers price?

    A. BCRTA is looking for a per unit cost for clarity. Sign displays will not be purchased at the same time. Depending upon when new facilities come online throughout the contract will determine when certain sign products need to be exercised.

6. Installation costs for Wayside Signage can vary widely by site/mounting location due to permitting, power requirements and available mounting surfaces. How should proposers price installation for Wayside Signage if installation conditions are unknown? We recommend that BCRTA eliminate evaluation of installation costs for Wayside Signage or provide one example location and photo of a candidate location for each sign for proposers to price installation.

    A. Any outdoor signage will require a solar panel connection if it is at a bus stop. Indoor signage applications should be designed to be wired into the indoor electrical system. The scope does not call for installation costs for the units, just the equipment itself, any hardware needed for installation, and any software or support for the units. Please follow the pricing proposal sheet.