



May 28, 2021

Dear Sir/Madam:

Attached is Addendum No. 5 to SEPTA's *Two-Step Procurement Solicitation 20-00554-ATMM - Computer Aided Radio Dispatch System*

The deadline for receipt of technical proposals remains unchanged as **Tuesday, August 24, 2021, at 1:00 P.M.** Additional questions must be submitted in writing to tmoiani@septa.org no later than 1:00 P.M. on June 14, 2021, to guarantee an answer.

Any inquiries regarding this opportunity must be directed to Thomas Moiani of the Procurement, Supply Chain & DBE at tmoiani@septa.org.

Sincerely,

A handwritten signature in blue ink that reads "Thomas Moiani".

Thomas Moiani
Contract Administrator
Procurement, Supply Chain & DBE

Two-Step Procurement 20-00554-ATMM: Computer Aided Radio Dispatch System

To All Bidders:

The following constitutes Addendum No. 5 to SEPTA Solicitation **20-00554-ATMM, Computer Aided Radio Dispatch System.**

This Addendum must be acknowledged by inserting the date of this Addendum next to “No. 5” in the Response Form entitled “Addenda”. Failure to do so may render your bid as non-responsive.

Questions, Answers, and Clarifications issued with this Addendum are hereby incorporated by reference and made part of the Terms and Conditions of this project.

A. General

1. Exhibit 1 Sample Reports are provided in response to question 12.
2. Exhibits 2.1 to 2.8 are provided in response to question 18.
3. Step Two Instructions to Bidders and Contract is replaced with Step Two Instructions to Bidders and Contract Addendum 5. The following changes have been made to
 - a. Schedule A Part A,
 - i. Item 14, exclude spare part for vehicle equipment. Spare vehicle equipment is covered in Part B, Unit prices.
 - ii. Added Items 41 to 42, Computer Aided Radio Dispatch System Warrant items.
 - b. Schedule A. Part B
 - i. Item 10 quantity is changed from 34 to 36.
 - ii. Items 13 and 14 have been removed. Items 15 to 18 are now items 13 to 16.
4. Answers to questions submitted are hereby incorporated by reference and are made part of the requirements of this bid. Questions submitted which are not included will be answered in a future addendum.

B. Specifications

1. Volume 3, Page 13342-2, has been replaced with Volume 3, Page 13342-2 Rev 1. Section 1.2.A. has been changed.

C. Drawings

1. Drawing ES-1000 sheet 5 has been replaced with Drawing ES-1000 sheet Rev 1. The PCC Trolley APX 8500 Quantity is changed from 35 to 36.

1. Question

In order for all bidders to clearly understand SEPTA's service area and have a common benchmark for coverage design can SEPTA please provide a shape file(s) for SEPTA service areas outline in the bid document.

Response

No, the Radio Service Area Polygon shown in the drawing "700 MHz Simulcast Radio System Area Polygon" , Drawing No. ES-2001 included with the RFP bid package, defines the boundary of the Service Area for mobile radio on-street coverage referred to in Volume 3, Section 13704, 1.4 COVERAGE, B. Service area, 1. Bidders are reminded that they must provide coverage maps in accordance with Volume 3, Section 13704, 1.2 General Operational and Functional Requirements, C. 11 and include SEPTA GIS routes and specific SEPTA facilities identified.

2. Question

13352-1

Regarding the VMIS interface, will SEPTA please provide more details of the interface, such as API details or an Interface Control Document?

Response:

Details of the interface will be provided to the winning bidder during the design phase.

3. Question

13352-2

Regarding the VMIS interface Table 13352-2 "VMIS Problem Subcodes", is it the intention to provide the operator or supervisor a user interface to select the various codes?

Response

No, it is not the intention to provide the operator or supervisor a user interface to select the various codes.

4. Question

13342-32 section 1.19-1

Smartcards come in many forms such as contactless (125kHz, 13.56 MHz), contact and may use proprietary formats. Will SEPTA please provide additional requirements so proposers can select a reader that is compatible with your preferred smartcards?

Response

Readers shall support:

- Contactless card
- Standard card (86 x 54 x 0.8mm)
- Frequency: 125K and 13.56M (ISO/IEC 14443 - Type A cards and ISO/IEC 15693)

SEPTA will provide details after selecting to the winning bidder.

5. Question

Will SEPTA please reply with the supplier of their system to assign blocks, runs and duties?

Response

SEPTA uses Trapeze FX/block buster.

6. Question

13352-8 Section 1.3

Will SEPTA please provide more details about the Job_Id and Job_num# data fields?

Response

Details about the Job_Id and Job_num# data fields will be provided to the winning bidder during the design phase.

7. Question

13343-11 Reference Information Displays

Will SEPTA please provide the format of the source data for each of the six (6) Reference Information Displays so this proposer can estimate the effort required?

Response

Format of the source data for each of the six reference information displays will be provided to the winning bidder during the design phase. Please note that these displays are in addition to the standard CAD/AVL user displays as the AVL Map display, event queues, service performance display, Actual Versus Scheduled Headway, pull in and out displays and all other displays described in section 13343, subsection 1.3.

8. Question

Can SEPTA please clarify the number of railcar vehicles to be installed? It appears that the price sheet and the drawings for some vehicle types have the hardware quantities doubled for the number of associated vehicles. For example, our understanding from the site visit is that SEPTA has a total of 18 PCC Trolleys. However, the Schedule A - Schedule of Items and the ES-1000-5 Drawing requests a quantity of 35 hardware units.

a. Can you please update the Schedule A (Schedule of Items) and Drawings with the appropriate number of rail vehicles to be installed?

Response

Step Two Instructions to Bidders and Contract has been replaced with Step Two Instructions to Bidders and Contract Addendum 5 and Drawing ES-1000 sheet 5 has been replaced with ES-1000 sheet 5 Rev 1 with the accurate number of rail vehicles.

Proposal shall match the vehicle quantities listed in Table 5 in the Drawings.

SEPTA will pay for the actual number of vehicles requiring installation of equipment. If the actual quantity of any unit priced items varies more than fifteen percent (15%) above or below the estimated quantity an equitable adjustment (increase or decrease in the item unit price) would be considered if the following occurs. The contractor's unit cost is increased or decreased due to the increase or decrease in the actual quantity by more than 15% of the Schedule A quantity.

9. Question

Specification Volume 3/3 - Document 13342, Section 1.17.F2 - Rail Track Layouts

The RFP states that "For the trolley, MSHL, and NHSL separate AVL map layers showing the track layout, including switches and turnarounds, shall be provided. CAD/AVL System users shall be able to quickly enable or display the track layout layer on a route-by-route basis."

a. In which format will SEPTA provide the map layers for incorporation into the system?

Response

Track layouts will be provided in AutoCAD.

10. Question

Specification Volume 3/3 - Document 13342, Section 1.26.P - APC Interface

The RFP states that "The CAD/AVL System shall interface with existing InfoDev Automatic

Passenger and People Counting (APC) system to allow dispatchers to view the bus loading through the CAD/AVL system. This interface shall be on the backend. APC equipment on the bus shall not be connected to the CAD/AVL system."

- a. Is there an ICD or Interface document that can be provided for this backend interface? Or are vendors required to contact InfoDev to determine the details on this interface?

Response

Vendors to contact InfoDev.

11. Question

Step Two Instructions to Bidders and Contract - Schedule A - Part B, Line Items #11-14

Each of these line items in the price sheet request pricing for the Digi Router on CCT Vehicles. We assume that Line Items 11-12 would be provision and installation of CCT equipment without a router and that Line Items 13-14 would be provision and installation of the router for the CCT vehicles.

- a. Can SEPTA please clarify where proposers should include these costs?
- b. In light of the previous question, if SEPTA allows for an integrated cellular modem, please confirm that Line Item #13-14 can be left blank, as they will no longer be necessary.

Response

a. Step Two Instructions to Bidders and Contract has been replaced with Step Two Instructions to Bidders and Contract Addendum 5. Schedule A, Part B, Unit prices, row 13 and 14 have been removed.

b. ~~B.~~ CCT vehicles shall be provided with a Digi Router TX64 as stated in Volume 3, Section 13345, Subsection 1.15, item J.3.c.

12. Question

Specification Volume 3/3 - Document 13353, Section 1.1.A - Reports

The RFP states that "The Contractor shall provide all standard reports and standard report templates that are normally included with the Contractor's base CAD/AVL System product offering, as well as all reports specified in these specifications, including the reports identified below that are generated under SEPTA's existing CARD System."

- a. Can SEPTA provide samples of the current reports that need to be re-created by the new CARD system?

Response

Samples of current reports are **provided as Exhibit 1 Sample Reports** ~~included in this response.~~

Final report definitions will be provided during the design phase.

Report requirements are stated in Volume 3, Section 13353.

13. Question

Step Two Instructions to Bidders and Contract - Schedule A

Where should the pricing for warranty/maintenance be provided on the Schedule A (Schedule of Items)?

Response

Step Two Instructions to Bidders and Contract has been replaced with Step Two Instructions to Bidders and Contract Addendum 5. Schedule A Part A, ~~Bid prices, Added~~ Warrant items **have been added.**

Warranty requirements are stated in Volume 2, Section 01400.

14. Question

Step Two Instructions to Bidders and Contract - Schedule A - Part A, Line Item #14

It appears that Section A requests pricing for spare parts (Line Item #14). However, the quantities of several line items in Section B (Hardware Items) also appear to include 10% spare parts (for example, rows 1, 3, 5, etc.).

a. Can SEPTA please clarify where on the price sheet bidders should include spares (i.e., what spare pricing goes in Section A vs. Section B)?

Response

Step Two Instructions to Bidders and Contract has been replaced with Step Two Instructions to Bidders and Contract Addendum 5. Part A, ~~Bid prices, Row~~ **Item** 14, exclude spare **parts** for vehicle equipment. Spare vehicle equipment is covered in Part B, Unit prices.

15. Question

Given that some of the rail routes are underground is position information available from a train control system?

Response

Correct. SEPTA will provide details **to the winning bidder.** ~~after selecting the winning bidder~~

16. Question

1.2-4 CAD/AVL System Scalability - Item 1

In order to accurately size the system for expandability, where you refer to the ultimate number of vehicles and users, can you confirm our understanding that the expandability is 10%?

Response

Volume 3, Page 13342-2, has been replaced with Volume 3, Page 13342-2 Rev 1.

17. Question

Volume 3 13345-16 (PDF 90) 3.Q. Smart Card

Can SEPTA share the format they wish to use for the Smart Card and reader?

Response

~~(E) Answered in BRFI 12, question 4~~ **See the response to question 4.**

18. Question

Given that some of the rail routes are underground is position information available from a train control system?

Response

Correct. SEPTA will provide details **to the winning bidder.** ~~after selecting the winning bidder~~

19. Question

SECTION 13700 - 1.2.F.7

SEPTA's identified list of critical locations including yards and depots requiring both outdoor and in building mobile and portable coverage includes; Fern Rock, Bridge St, 69th Street Transportation Center complex including: Platforms & Boarding areas, 69th St, MFSE, 69th NHSL, 69th St MSHL, Midvale Bus Depot, Comly Bus Depot, Frankford Bus Depot, Allegheny Bus Depot, Frontier Bus Depot, Southern Bus Depot, Callowhill Bus Depot, Victory Ave. Bus Depot, Germantown Bus Depot, Wyoming Bus Garage, Elmwood Trolley garage, Woodland Trolley Garage. The Contractor shall be responsible for furnishing an In-Building Coverage Solution providing 95% reliability and 95% coverage for areas above grade where the outdoor signal penetration does not meet the requirements.

Can SEPTA provide floor plans for all the Critical buildings which are to be tested for Coverage?

Response

~~refer to attached documents. Are provided as Exhibit 2 Critical Building Floor Plans. Tom Use the blue highlighted attachments. 15th Sta.(MFL), 22nd Sta.(SSL), Erie Sta. (BSL), Berks Sta. (MFL El) 69th, Fern Rock, Germantown, Southern Depots.~~ Plan views of areas requiring in-building/platform radio coverage are provided as ~~examples~~ Exhibits 2.1 to 2.8 for 8 sample locations at SEPTA facilities in either .png or .pdf form. These are representative of the different types of critical buildings/areas throughout SEPTA that are to be tested for radio coverage. Additional drawings for the remaining critical buildings/area will be provided to the winning bidder ~~following award.~~

20. Question

Does SEPTA require prevailing wages? Can you provide a Pennsylvania PW

Response

The Pennsylvania Prevailing Wage Rates have been provided as Exhibit VII in the Step Two Instructions to Bidders and Contract. Per Contract section VIII.E.6 "As required under Commonwealth of Pennsylvania law, the Contractor shall pay, and report as required, to any person the prevailing wage rate of wages applicable to the labor performed by that person, other than maintenance work, that qualifies as construction, reconstruction, demolition, alteration or repair work."

****** *End Addendum* ******