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March 24, 2023

Addendum Number 2
Request for Proposals No. 23-15-210626
ARRC Transit Asset Management System

This Addendum is being issued to provide information as follows:

1. Updated Dropbox Links.

Some users may experience difficulties accessing the Dropbox links when using Chrome, if you experience difficulties opening links, please try a different browser.

A. The following items may be downloaded from the following DropBox Link:

<https://www.dropbox.com/scl/fo/56pc4uum5t1bi18pi90ko/h?dl=0&rlkey=so1ht1hskubnmzi915q8aa70a>

1. Data Sample Set

Revised Asset Requirements Worksheets

2. 2a Facilities - Requirements Worksheet
3. 2b Guideway Assets - Requirements Worksheet
4. 2c Rolling Stock and Equipment - Requirements Worksheet
5. 2d System Assets - Requirements Worksheet

B. One electronic copy of your firm's Proposal must be submitted using Dropbox.

Proposals shall be submitted to the following Dropbox links by proposal due date/time.

23-15 TAMS 2a Facilities Proposals

<https://www.dropbox.com/request/nxLSOAmBUsi4TPbAvkOE>

23-15 TAMS 2b Guideway Assets Proposals

<https://www.dropbox.com/request/b5cpeOwDJwNltq0kcneh>

23-15 TAMS 2c Rolling Stock & Equipment Proposals

<https://www.dropbox.com/request/K4t1hvGBEmFppJ2F4ygr>

23-15 TAMS 2d System Assets Proposals

<https://www.dropbox.com/request/pSQSOglKNVSarLVeNsHU>

File naming convention shall be: Firm Name-RFP#-TAMS[Asset Group]
Such as AcmeCompany-23-15-TAMS-RollingStock

2. Reference Section H Federal Terms & Conditions. Remove and replace with Attachment 5 Federal Terms and Conditions dated 3-21-2023.

General Questions

Besides the General questions and answers in this document, additional Asset specific questions are answered in the four attachments.

3. Q: Is it possible to get an extension of the deadline? The required responses for those of us addressing all four asset categories are quite extensive.
A: The due date was extended with Addendum #1.
4. Q: It's mentioned the proposed funding for this project will use FTA CARES Act Funds.
 - o What's the budget / Has the budget been approved / When will FTA CARES be confirmed as the source of funding?A: The budget is approved and the FTA CARES funding has been allocated. ARRC will not be sharing estimated budgets for this solicitation.
5. Q: The RFP states the electronic Dropbox submittal date/time will be used for the official receipt, but the original (hard) copy of our proposal also must be delivered to your address by the due date.
A: The Dropbox submittal will be used for the official date/time of receipt of proposal. The hard copy of your proposal must only be mailed by the official date, it does not have to be received by ARRC on that day.
6. When Does AKRR plan on releasing final Addenda with answers to all questions? Would AKRR consider a Deadline Extension to allow vendors time to incorporate final responses into our proposals?
A: Refer to items number 2 and 3 above.
7. Would AKRR consider removing the need for a printed copy of the proposal?
A: No, the hard copy with original signatures must be mailed or hand delivered to ARRC.
8. Did AKRR see any demonstrations of potential solutions prior to release of the RFPs?
A: Yes, however, those demonstrations are not being used as selection criteria for the solutions. We will be using the competitive RFP process to select a solution. ARRC does not keep records about every software solution or technology we investigate or research. There are many ways we identify and investigate solutions: dropping by vendor booths at trade shows, visiting with a partner organization and seeing their implementation, doing internet research and speaking to vendors directly about their offerings. All of these activities are used to help ARRC staff understand the kind of functionality that is available to us and how it can be utilized to transform our business.

9. Did AKRR work with a consultant or another party to create the RFP specs and requirements?

A: Yes, ARRC used multiple consultants to define the functional requirements. We also research specs and requirements through internet research and consult with other rail and transportation agencies that share asset management best practices. All of these activities are used to help ARRC staff understand the kind of functionality that is available to us and how it can be best used to continuously improve our asset management capabilities.

10. What research did AKRR conduct about potential vendors prior to the RFP?

A: ARRC has been researching options and solutions for several years with the understanding that we have a competitive process for award and aligning our requirements to ensure we get the best solution to meet those requirements. There are many ways we identify and investigate solutions: dropping by vendor booths at trade shows, visiting with a partner organization and seeing their implementation, doing internet research and speaking to vendors directly about their offerings. All of these activities are used to help ARRC staff understand the kind of functionality that is available to us and how it can be utilized to transform our business, however we do not maintain records of this research.

11. The provided DropBox link appears to be broken, could AKRR please send an updated link for digital submission?

A: Updated DropBox links are provided in item #1.

12. Would AARC allow for one proposal, cost sheet and Requirements checklist for all 4 asset classes if the vendor can meet all asset class requirements?

A: No, since each Asset Group will need to be evaluated with other contractor proposals, a response to each Asset Group must be submitted separately.

13. Certain requirements are marked as N/A. If the proposal meets the N/A requirements, should they be responded to and will this contribute to the scoring?

A: N/A from our perspective means that the requirement isn't something the asset group would utilize; therefore, scoring N/A requirements is not part of the evaluation.

14. Can appendices be added to the response that are not included in the maximum page count, i.e. Statement of Work?

A: No, all pages will count towards the maximum page count except for those items requested and specifically noted.

15. Section notes that cost estimates should include the cost broken down by phases and deliverables and must be submitted on the provided workbook. The cost sheet doesn't appear to be structured to meet providing the break down by phase and deliverables. How should the break down by phase and deliverable be shown on the cost sheet provided?

A: The project schedule and budget is in addition to the information provided in the cost sheet. Looking to understand your projected schedule of implementation. This information is to assist in allocating our internal resources and plan for project delivery.

16. If separate cost proposals are submitted for the different asset groups, can a cover sheet also be submitted to identify cost savings if multiple asset groups are selected?

A: Yes, if there is a cost savings for award of multiple Asset Groups that information should be provided with the cost proposals.

17. Page 6 of the RFP document states “separate proposals are required to be submitted for each asset category.” Can you clarify exactly what “separate proposals” means? Does every document (20 page maximum written response, resumes, Service Bid Form, Section F, Cost Proposal etc.) need to be a separate document per asset type? Our solution supports more than one of the asset types specified so I want to ensure that we don’t inundate you with exact duplicate information, and that we can incorporate economies of scale into our pricing by covering multiple asset types with one solution.

A: As these proposals will be separated by Asset Category for evaluation and award, all required documents shall be submitted for each Asset Category.

18. Each of the excel requirements document appear to be the same questions verbatim repeated on four documents. Can vendors assume the use cases are the same, or is there a difference between the requirements listed on each document that we need to be aware of?

A: They are separated by asset category to allow for respondents to apply for all or some of the asset groups. The use cases are the same.

19. Please provide more detailed clarity and insight on each RFP excel requirements document use case aside from what is available in the header or outlined in section 2 of the RFP document, I.E more detail between Guideway Assets, Rolling Stock, System Assets and Facilities

Headers were updated on the Asset Requirements Spreadsheets to provide better clarity as to what asset classes make up each of our four asset categories.

20. If we are submitting a proposal for each asset category, can we submit one proposal with different sections (tabs) for each requested asset category? Or would ARRC prefer a separate proposal for each category totaling to four separate proposals?

A: No, since each Asset Group will need to be evaluated with other contractor proposals, a response to each Asset Group must be submitted separately.

21. Does AARC utilize predictive models for assessing Asset health? If so, is there a preference for ML environment?

A: ARRC does not utilize predictive models for assessing asset health at this time.

22. A lot of data that you currently manage resides in EXCEL. Could you speak to your perception of the data quality of these data sources? How much reliance can we place on them from a migration Point of View?

A: These files are clean and well maintained in most cases and are our current solution for our TAM FRA requirements. However, there exists room for improvement and review of our data.

23. Is a future landscape document that outlines which applications/modules are in play to be replaced as part of this selection?

A: Please refer to Table 2. Data Migration and Interface on pages 11 and 12 of the solicitation.

24. Does AARC utilize a risk assessment methodology with asset criticality and probability of failure for asset investment planning, including repair vs replace decisioning?

A: ARRC does not have advanced modeling around this process at this time.

25. Should multiple proposals for the different asset categories be submitted in 1 file? If separate files, how should the separate proposals for each category be labeled?

A: Proposals shall be submitted as separate files. Refer to item #1 above.

26. The system assets section of your current landscape maps out requirements for IT Assets. Is ARRC looking for an ITAM/ITSM solution as part of this selection? Ivanti appears to be what ARRC is currently using.

A: ARRC is not looking for an ITAM/ITSM solution as part of this selection at this time.

27. Could you expand on how you envisage the relationship between ArcGIS and the solution you are searching for once the new system is operational

A: This depends entirely on the solution. Some solutions are GIS based and some are not. We are open to any or all integrations as is required by the system we select based on the RFP scoring matrix.

28. Data quality, particularly for track and right of way data, particularly at an attribute level. For example is track a center line digitization for locational use, or is it at an engineering level with separate representation of switches, signals and individual track data?

A: We have both track data that is geolocated and an engineering level. We will use the data that is most appropriate for the purpose.

29. Multiple Estimated End of Life measures. Are you looking at the system to calculate these values or merely record them? Specifically what are you looking for in terms of the functionality associated with estimated end of life?

A: Record them and have limited estimated life functionality. We are not expecting analytics around end of life to be calculated by the system.

30. At what level does JD Edwards record your asset purchases? You request that new assets are automatically created within the new solution, however quite often when procuring assets via JDE they are lumped together as a single item – for example you may buy six signal boxes that are recorded as a single fixed asset, but for an operational system these would need to be six separate assets.

A: We have determined that ARRC will need to develop a crosswalk middleware solution that will convert JDE Financial Assets to TAM Assets. Some of our assets will need to be one-to-many, JDE to Asset Management. ARRC will be responsible for writing this with the guidance of the vendor about their data and how to interface from the middleware to their solution.

31. You request service status to be maintained in the new system. Will the calculations you will provide to the system make this system the arbiter of the system status for track data? I.e. Will the legal responsibility for a track being in/out of service lie with the solution in the event of a derailment?

A: We do not expect the system to be the decision maker around track status, or any legal responsibility to fall on the vendor for managing track being in or out of service from a train movement perspective. That functionality is handled elsewhere.

32. Will covers/tabs/dividers count toward the page limit?

A: Use of covers, tabs, and dividers are discouraged and may be used towards the total page count.

33. Does the proposed work schedule / timeline count toward the page limit?

A: Refer to the Section B, Item #8 for items not included in the page count. The schedule/timeline does count towards the page limit.

34. As stated, “Each criterion response must be titled, numbered and assembled in order in which the criteria are listed in section D...” Where should interested firms list or address the minimum and preferred qualifications listed in Section B. 14. Qualifications of the Offerors?

A: Refer to the RFP, Section B, Item #8.

35. Is an Alaska Business License required to submit a proposal for this RFP?

A: Yes. Add the following to the end of Section B

20. Alaska Business License

Per AS 43.70.020(a) a business license is required for the privilege of engaging in a business in the State of Alaska.

An Alaska Business License is required of Contractors who do business in Alaska at time of award. Information regarding applying for an Alaska Business License can be found on-line at <https://www.commerce.alaska.gov/web/cbpl/BusinessLicensing.aspx> or by calling 1-907-465-2550. The business license must be in the name of the company under which the proposal is submitted.

36. Should there be a separate cost proposal for each asset category?
A: Yes, cost proposals shall be separate from the technical proposal and shall be submitted for each asset category in accordance with Item #1 above.
37. Did the ARRC work with any outside vendors/consultants to prepare this solicitation? If yes, please provide the names of the vendors/consultants.
A: ARRC does not keep records about software solutions or technologies we investigate or research. There are many ways we identify and investigate solutions: dropping by vendor booths at trade shows, visiting with a partner organization and seeing their implementation, doing internet research and speaking to vendors directly about their offerings. All of these activities are used to help ARRC staff understand the kind of functionality that is available to us and how it can be utilized to transform our business.
38. Was there an RFI for this solicitation prior to this solicitation? If yes, please provide the names of the vendors/consultants who submitted on the RFI.
A: ARRC has not issued an RFI for the work contained in this solicitation.
39. Did ARRC see any product demonstrations leading up to this RFP? If yes, please provide the names of the vendors/consultants who took part in the product demonstrations.
A: Refer to item #37.
40. Is there a desired “go-live” date?
A: Desired “go-live” would be this fall/winter during off-peak season
41. Given the President’s policies for climate change and reduced carbon emissions the Federal Government no longer accepts paper submissions for RFPs. Many State Agencies and Corporations are following that initiative. Would ARRC consider electronic submissions instead of paper submissions for this RFP?
A: Electronic and paper copies must be submitted for this solicitation. ARRC is currently working on updating their Procurement Rules that may allow for something different for future solicitations.

Asset Related Questions

42. Could you provide additional information on asset types, such as for rolling stock: number of freight locomotives, number of passenger locomotives, passenger diesel multiple units (cars/set), passive passenger coaches, different freight car types and quantities; non-rev rail rolling stock (for example for MOW); breakdown of Guideway Assets, types and quantities of all types; miles of revenue track, miles of non-revenue track such as in yards: number and types of Facilities and description of assets types in facilities; heavy equipment and vehicle types and quantities;

A: - ARRC owns a fleet of 54 locomotives which includes 1 diesel multiple unit and 2 cab cars. Of this fleet of 54 locomotives, 21 can be used for passenger services and 51 can be utilized for freight.

- ARRC currently maintains a fleet of 35 passive passenger coaches.
- ARRC currently maintains a fleet of 1059 cars used in revenue service and the breakdown is as follows:
 - o Air Dump- 31
 - o Arctic Container on flat car- 14
 - o Arctic Trailer on flat car- 41
 - o Flat Chain Equipment Cars- 19
 - o Flat Container on Flat cars- 40
 - o Standard Trailer on flat cars -26
 - o Flat general cars -215
 - o Gondola Cars -4
 - o Agricultural Hopper- 2
 - o Aluminum hopper -53
 - o Ballast Hoppers -64
 - o Cement Hoppers -38
 - o Steel Hoppers -512
- ARRC currently owns and maintains 325 non-revenue rail Maintenance of Way cars, broken down below:
 - o Box Car-19
 - o Caboose-6
 - o Crane Cars- 5
 - o Flat Cars-165
 - o Flat Depressed Car-2
 - o Flat Special Car-1
 - o Gondolas-18
 - o Ballast Hoppers-64
 - o Cement Hopper-1
 - o Outfit Cars-5
 - o Outfit Flat Cars-12
 - o Outfit tool cars-3
 - o Spreader-3
 - o Water tank cars- 7
 - o Tank Cars-10
 - o Wrecker Equipment Cars-2
 - o Single Door Box Car-1
- ARRC guideway consists of the following assets
 - o 574.53 miles of track, 76.2 miles of this is non-revenue.
 - o 125 at grade crossings
 - o 173 Bridge structures
 - o Numerous small culverts and ditches
- ARRC currently maintains 146 facilities which consists of Administrative/sales offices, At-grade stations, elevated guideway stations, General Purpose Maintenance facilities, Heavy Maintenance Facilities, Service and Inspection Maintenance Facilities, Surface Parking Lots, Passenger Depots.
- ARRC maintains a robust fleet of approximately 225 non-revenue service vehicles which range from buses, vans, light and heavy duty trucks, yard goats, boom trucks, tractor trucks, and water trucks.
- ARRC maintains a fleet of approximately 280 non-revenue pieces of heavy equipment, some of which are steel wheeled or Hi-rail equipped. This fleet of heavy equipment consists of forklifts, ballast regulators, tampers, cranes, dozers, van loaders, skid steers, snow removal equipment, boats, UTVs, snow machines and generator vans.
- ARRC current has an extensive inventory of shop use equipment items generally used in the upkeep of rolling stock and heavy equipment. This inventory consists of

overhead cranes, jacks of varying capacities, drill presses, wheel truing equipment, band saws, air test carts and other shop use assets.

43. Can a breakdown of the Facilities type be provided, i.e. Admin building, Shop operations, rail station, etc.?

A: ARRC currently maintains 146 facilities which consists of Administrative/sales offices, At-grade stations, elevated guideway stations, General Purpose Maintenance facilities, Heavy Maintenance Facilities, Service and Inspection Maintenance Facilities, Surface Parking Lots, Passenger Depots.

44. How many asset classes are expected to be initially implemented for each of the four asset categories?

A: Rolling Stock: Locomotives, Passenger and Freight Railcars, Rubber tired service vehicles and Heavy Equipment

Facilities: Buildings, Marine Assets and Temporary structures

Guideway: Track assets, Bridges, Crossings and avalanche/slide detection equip

System Assets: IT hardware, Telecomm and Signal assets

45. Are there existing maintenance workflows for each asset class?

A: Most workflows are in the form of checklists and preventative maintenance manuals along with standard operating procedures, and most asset classes have one or a combination of them in use

46. Is there an existing PM Library of procedures? If yes, does this require migration to the new system?

A: There are currently excel and PDF PM Manuals in place. Having them embedded in the new system is desirable.

47. Is there any requirement to use and maintain these drawings as a part of the Facilities Asset Management System?

A: No

48. What is the size of the total portfolio of facility assets to be managed in terms of facilities, Number of Buildings, floors, Sq. Ft. of space, etc.?

A: 143 buildings, square footage varies greatly amongst our facilities, from 10 square feet to 72,000, with all buildings 3 floors or less.

Project Specific/Technical Questions

49. Please confirm that the number of users for a unique-user license model is 352

A: 352 is an estimated number of licenses, this number will fluctuate slightly during peak/off-peak seasons.

50. What CAD system(s) are used (Computer Aided Design)?

A: Autocad.

51. What is the form and format of current asset documentation?

A: It varies, but mostly it is in pdf or word documents.

52. What is the volume of data expected to be migrated to the new system?

A: This varies depending on asset type. For many assets we do not have electronic maintenance records to be imported. We would expect ARRC personnel to clean, transform and import the data with API or other instructions from the vendor.

53. What is the source and expected format of the data to be imported?

A: This information is in appendix 1, Current Asset Management Systems and Tools Edits.

54. Does ARRC maintain As-Built drawings for the vertical assets?

- o Are the drawings Updated and Current in the DWG Format?
- o Are the current AutoCAD / DWG drawings layers standardized and consistent throughout the drawings to show space and asset locations?
- o Are the drawings polylined to facilitate space management?

A: Yes, ARRC does maintain As-Built Drawings however not all assets may be in the records. ARRC maintains hard copies in its plan room, electronic scans (.tiff or .pdf formats) of most hard copies, as well as CADD electronic deliverables. ARRC is continually digitizing the files for its assets, for both legacy and newly constructed assets. ARRC utilizes AutoDesk products and generally requires its consultants to follow suit. However, some files may generated using Bentley products and are in the .DGN format. Layers are largely not standardized throughout the various drawings. Drawings produced in other programs may also have all line work shown on the same layer. Standardization is an on-going process. Layers are largely not standardized throughout the various drawings. Drawings produced in other programs may also have all line work shown on the same layer. Standardization is an on-going process.

55. What is the format for this Asset source data?

A: This information is in appendix 1, Current Asset Management Systems and Tools Edits

56. What is the expected volume of Work Orders?

A: Approximately 11500 Work Orders spread amongst the various asset classes.

57. What are the related systems that need to be integrated with this Asset Management System? Are the integrations bi-directional?

A: Please refer to pages 10-11 Table 2 Data Interfaces and Migration

58. Can you define the user base in terms of access requirements?

- Expected number of Primary users with access to the entire portfolio of information?
70 expected Primary users and 5 to 10 System Admin
- Number of users with limited access to specific sites?
N/A
- Number of restricted users who can simply submit and track work requests?
265
- Users who may only have read only access to information?
750

59. Can ARRC provide a sample dataset or table structure for the Rolling Stock & Equipment, Guideway Assets, Facilities, and Systems Assets?
A: Refer to Attachment 5, Asset Category Sample Data spreadsheet for sample data sets.

60. What is the expected User Base for this system?
A: 352

All other terms and conditions remain unchanged.

This addendum answers all questions, to date. If you do not see an answer to your question, please resubmit.

Acknowledge receipt of this and all addenda in your firm's Service Bid Form.

Sincerely,

Michele Hope

Michele Hope
Senior Contract Administrator

Addendum Attachments

1. Facilities Questions
2. Guideway Questions
3. Rolling Stock Questions
4. Systems Assets Questions
5. Federal Terms and Conditions dated 3-21-2023