

ADDENDUM No. 2

RFP No. 930

Fiber Optic Network Design and Engineering Services

Due: October 5, 2015 at 2:00 P.M.

The following changes, additions, and/or deletions shall be made to the Request for Proposal for Fiber Optic Network Design and Engineering Services RFP No. 930 on which proposals will be received on/or before October 5, 2015 by 2:00 P.M.

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes 7 pages.**

Offeror is to acknowledge receipt of this Addendum No. 2, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum will be considered nonconforming.

I. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

1. Reference Page 11 and Page 12, The City's Current Network:

a. Is it the City's intent to continue to utilize the existing fiber network owned by the City as part of the A2-INET? If so, please provide details about the existing network.

ANSWER: As stated in the RFP, upon award the City will provide this information. The City will utilize existing fiber if feasible.

2. Reference Page 12, The City's Role, Bullet Point #1. Upon award the city will provide mapped and electronic information about existing infrastructure including; city owned conduit, fiber, partner assets and existing water utilities infrastructure.

a. Is the city owned conduit, fiber, and partner assets to be leveraged or utilized on this project?

ANSWER: Yes, to the extent practicable. As stated in the RFP, upon award the City will provide this information.

b. How many approximate linear feet or miles of available conduit does the City own?

ANSWER: As stated in the RFP, this information will be provided upon award of contact to the Consultant.

c. What percentage of the available duct should the Consultant assume can be utilized for this project?

ANSWER: This cannot be generalized as a percentage as there are some conduit/duct runs that are empty, some partially fully and some older conduit/duct runs that are completely full.

This can be provided based upon the fiber route and design recommendation and further discussions with City personnel following award of the contract to the Consultant.

d. Has or will the duct be proofed to ensure that it is a clear raceway for the installation of a fiber optic cable?

ANSWER: Yes this information can be provided upon award of a contract to the Consultant. However, some conduit/duct runs may need to be verified to ensure adequate clearance.

Within the Technical Specifications of the RFP on Page 16 under Vendor Responsibilities, #2 Site Work – “ The Consultant will provide on-site field/surveys as required.

e. How many approximate linear feet or miles of available fiber cable does the City own?

ANSWER: As stated in the RFP, this information will be provided upon award of contact to the Consultant.

f. What percentage of the available fiber cable should be Consultant assume can be utilized for this project?

ANSWER: As stated in the RFP, this information will be provided upon award of contact to the Consultant.

g. If the City cannot provide detailed information on the existing conduit and fiber assets to all bidders, please provide a consistent guideline such as an estimated mileage of existing assets that can be used as part of the A2-INET.

ANSWER: As stated in the RFP, this information will be provided upon award of contact to the Consultant.

3. Reference Page 11, Goals of the Project, Bullet Point #2 – The City states a desire to “leverage current inside-plant network infrastructure, if feasible.”

a. Please clarify if the Consultant would be required to evaluate the existing inside plant infrastructure.

ANSWER: No. The City will provide inside-plant network infrastructure equipment information upon award of a contract to the Consultant.

4. Reference Page 11, Goals of the Project, Bullet Point #3 – The City states a desire to “leverage partner organization networks, if feasible.”

a. Please identify the additional ‘partner organizations’ referenced by this Bullet Point.

ANSWER: Partner organizations are identified in Attachment A within the RFP.

5. Reference Page 13 Minimum Requirements, Item 6

a. Is it the City’s expectation to have the Consultant design separate aerial and underground networks with the City ultimately choosing which network will be build, or will the Consultant be required to design the network that serves the City best which may include both aerial and underground components.

ANSWER: The Consultant will be required to design the network that may include a combination of aerial, underground, or other recommended technologies. The City will ultimately choose the recommended solution(s)

6. Reference Page 14 Minimum Requirements, Item 13 – The City states that the consultant will provide construction oversight during Phase II.

a. Please expand on the City’s requirements for “construction oversight” so each bidder has a clear understanding of the expected scope of work to be performed.

ANSWER: The consultant will provide oversight during construction and handle permit changes and re-engineering as needed (i.e., a pole becomes unavailable, or an underground obstacle requires re-engineering).

b. For example, does construction oversight mean the Consultant is expected to have inspectors actively monitoring construction activities throughout the project? Or, is this requirement to provide engineering support during the construction process?

ANSWER: The consultant will provide engineering support during the construction process. Post construction, the consultant will provide asbuilts to the City of Ann Arbor and update permits based on redlines from the construction contractor.

7. Reference Page 14, Minimum Requirements, Item 15 - Please clarify what is considered "Consolidated Field Notes".

a. Is this the engineering field notes or the daily field construction notes from the inspectors?

ANSWER: Both.

8. Reference Page 14, Minimum Requirements, Item 16, 17, and 18 – Please define the electronic format the City of Ann Arbor requires.

a. Does the City have a preferred format? If so, which one?

ANSWER: Microsoft Excel for Field Notes, site drawings, permit detail drawings and overview maps in Autocad DWG format and ESRI geodatabase formats or ESRI shapefiles that can be imported and georeferenced within a Microsoft-SQL Server/ESRI geodatabase format.

9. Reference Page 14 Minimum Requirement, Item 18 – Please clarify this requirement.

a. Will the red-line engineering drawings be provided by the Contractor chosen to complete Phase II, or is the Consultant expected to have inspectors on site to gather this data during the Phase II?

ANSWER: Red line drawings will be provided by the construction contractor. The consultant will inspect the build, verify the red lines provided by the construction contractor, and create asbuilts.

10. Reference Page 14 Minimum Requirement, Item 20 – Please clarify this requirement.

a. Is this post construction labeling of all components of the system?

ANSWER: Components should be labeled during construction.

11. Reference Page 14 Minimum Requirements, Item 21 – Please expand on the City's expectation of timing for this work.

a. Does the City intend for the Consultant to stake the route in advance of the construction during Phase II?

ANSWER: The construction contractor should do the staking in advance of construction, not the consultant.

12. Reference Page 16 Vendor Responsibilities, Item 6 and Proposed Work Plan, Page 18 Item 10. These requirements both state that the Consultant must apply for and secure all necessary permits.

a. Will the City be responsible for all required permit fees?

ANSWER: Yes. All required fees for permitting will be covered by the City of Ann Arbor.

b. Will the City be responsible for all other potential fees and agreements to access right-of-way? Examples are make ready costs, right-of-entry agreements, bonding agreements, etc.

ANSWER: Yes. All required fees for permitting will be covered by the City of Ann Arbor.

13. Reference Page 12, The City's Role, Bullet Point #5.

a. During the pre-bid conference the City stated that it had a good working relationship with DTE to gain access to their poles. This bullet point states that DTE and AT&T own most poles in the City. Please clarify the City relationship with AT&T to gain access to their poles and/or jointly owned poles between AT&T and DTE.

ANSWER: The City will enter into pole attachment agreements with all appropriate parties as warranted (including AT&T).

14. What timeframe is the city anticipating all Engineering to be completed. I see you noted April 28, 2017 as a required completion date for construction of A2-INET?

ANSWER: Engineering should be completed as soon as possible in order to meet the overall required project completion date.

15. Is there a map we can utilize sharing the locations and the footages of each of the fiber runs so we can view the total build footage?

ANSWER: As stated in the RFP, this information will be provided upon award of contact to the Consultant.

16. It is understood that only the successful bidder will receive the conduit details of the City's conduit system, but could a map of the boundaries of the conduit system be reviewed for the preparation of this proposal?

ANSWER: As stated in the RFP, this information will be provided upon award of contact to the Consultant.

17. The conduit sizes used by the City were stated to be 1", 2", and 3". Does the City's GIS records contain the details on what is in the conduits or whether a conduit is vacant or full to capacity?

ANSWER: Yes. Images are captured and geo-referenced to the associated hand-hole in the City's GIS along with additional attributes for fiber optic network present. These images are readily available in our GIS by simply right-clicking on the particular asset and can be provided during route planning and design to the awarded Consultant. FON cable attributes are provided as well. Circuit mapping and strand count availability is currently being documented and verified by City personnel. However, some conduit/duct runs may need to be verified.

18. Is innerduct used in any of the City's conduit system or are multiple cables just place one on top of the other?

ANSWER: No. Multiple cables are placed together. However, some areas may have more than one (1) conduit run in-place (e.g., some areas may have 2-3" conduits available). Refer to images provided.

19. If an aerial fiber application is part of the design, does the City pay the permit fees to the pole owner requesting said fees?

ANSWER: Yes. All required fees for permitting will be covered by the City of Ann Arbor.

20. Will permits fees for other entities be paid by the City? example: railroad

ANSWER: Yes. All required fees for permitting will be covered by the City of Ann Arbor.

21. In the request for Construction Observation services for the work that will take place in Phase II, if the proposal presents those costs as they relate to the design concept presented with the proposal, will we be able to adjust those costs upon completion of the final design completed if awarded the project?

ANSWER: No. Include a "not-to-exceed" price.

22. Surety Bond requirement for Engineering services? Wouldn't our Professional Liability insurance provide the bonding requirement for the engineering services we would provide?

ANSWER: Bonds are not required. Please disregard any bonding requirements outlined in the RFP Document.

23. What is the accuracy of the GPS points required?

ANSWER: Sub-meter accuracy.

24. It is unclear on what is being asked in the statement "The City of Ann Arbor requires the deployment of a hybrid CWDM/DWDM fiber optic network that will deliver a host of broadband connectivity options in a very cost effective manner". Is this saying that the components required to comprise a CWDM/DWDM be included in the design?

ANSWER: This is informational for how the infrastructure will be utilized. Engineering must meet industry standards for the above services.

25. The secondary data center is 4251 Stone School Rd. and is understood to be part of a decommission process requiring the design to designate a new site. What is the address of the primary data center?

ANSWER: To clarify. The secondary data center connection is not being decommissioned. A secondary head-end connection for the current INET is located in downtown Ann Arbor, adjacent to City Hall, is being decommissioned. The primary data center is located at City Hall/Justice Center complex.

26. What will be the frequency and duration of the meetings required on an on-going basis?

ANSWER: This will be determined by the City and the consultant at the onset of the project and may be subject to change as the project progresses.

27. What type of information will be carried across the fiber? – Video? Voice? GIS system? Etc.....

ANSWER: Voice, Video, and Data.

28. What facilities are your datacenters located at?

ANSWER: Primary data center is located at the City Hall/Justice Center and the Secondary data center is located at 4251 Stone School Rd.

29. Is internet access going to be centrally located and then dispersed across the WAN to the remote sites?

ANSWER: Yes

30. How much bandwidth is required between locations?

ANSWER: This will depend on the location and will be determined as part of the design. The core fiber network must accommodate gigabit+ speeds.

31. How much bandwidth is necessary to run daily operations at the city's head-ends/datacenters today?

ANSWER: It must accommodate Gigabit+ speeds.

32. What type of equipment will the city be using to connect to the fiber?

ANSWER: Edged switches.

33. What type of hand-off does the city require from the fiber for WAN for services?

ANSWER: Interfaces will be Ethernet based at speeds of 1g, 10g or 100g.

34. Not all carriers pass construction fees along to end users. If this is the case in regards to the City of Ann Arbor build, is it okay to include engineering details with proposed WAN design and services in a combined bid?

ANSWER: Yes.

35. Are scaled drawings required and to what scale. I do believe Washtenaw County Requires 1" = 50' at a minimum on their drawings for permit submittal.

ANSWER: Please provide the same scale as Washtenaw County (above).

36. Are TOPO's required for any area of the downtown area where we may have to place Fiber or structure.

ANSWER: No, the city currently has this in a GIS Data Layer.

37. Are the costs of the permits to be paid by the City Of Ann Arbor

ANSWER: Yes. All required fees for permitting will be covered by the City of Ann Arbor.

38. Is the City of Ann Arbor looking for a diverse route for the fiber (ring configuration) or just a point to point brought back to one of the Head ends?

ANSWER: We are looking for the best routes that will meet our goals and requirements stated in the RFP.

39. Is structure access with AT&T is possible if so does the City of Ann Arbor have any Existing agreements with AT&T.

ANSWER: No, a goal of the city to retain ownership of the network.

40. Are make Ready costs for possible use of AT&T or Detroit Edison poles paid by the City? It would be hard to estimate costs without a route.

ANSWER: Yes. All required fees for permitting will be covered by the City of Ann Arbor.

41. Is it possible to get the locations of the City's Head Ends or data centers that the Fiber will connect to?

ANSWER: As stated in the RFP, this information will be provided upon award of contact to the Consultant.

42. If the number of sites expand during the build process will adjustments be made to the agreement?

ANSWER: It depends on the nature of the changes and whether they were in scope, or a result of a design flaw.

43. Will the awarded vendor be precluded from bidding on future phases of this project?

ANSWER: No

44. Are there future plans to expand the fiber network beyond this initial scope?

ANSWER: Potentially, the original design should accommodate for expansion.

45. On page 17, Project Schedule/Timeline (#2 of the tasks listed in the Proposed Work Plan) notes that bidders must include a detailed project plan and timeline in a specific format. Is this in reference to work once contracted or is a bidder to submit the project schedule in the described format with their proposal? Could you please clarify?

ANSWER: It is recommended a bidder provide previous examples of projects where a project plan was developed and utilized. As part of this project a detailed project plan will be required, but is not required to be completed with the initial response.

46. We request a five (5) day extension on the proposal due date understanding the engineering completion schedule will not be extended.

ANSWER: Proposal response will be due on the original deadline of October 5, 2015 on or before 2:00pm as provided in the RFP Document.

47. RFP, General. Please describe in detail the level of oversight the design contractor will be required to provide during the construction phases. Is this oversight to make sure the construction contractor is following the plans or will the design contractor need to be available during the construction phase to provide clarification and direction as a representative for the City?

ANSWER: The consultant will provide engineering support during the construction process. Post construction, the consultant will provide asbuilts to the City of Ann Arbor and update permits based on redlines from the construction contractor.

The consultant will provide oversite during construction and handle permit changes and re-engineering as needed (i.e., a pole becomes unavailable, or an underground obstacle requires re-engineering).

48. RFP, Section II, Scope of Work, Introduction. Is the City responsible for the permit fees?

ANSWER: Yes. All required fees for permitting will be covered by the City of Ann Arbor.

49. RFP, General. For network design, are we specifying equipment to be installed or is that specified by the City?

ANSWER: Equipment will be specified by the City.

50. Is "Attachment E – Compensation and Fee Proposal Form" available as a Word document or fillable PDF file?

ANSWER: Offers may use software that makes this form "typeable" however, the City is unable to provide this format to interested parties.

Respondents are responsible for any conclusions that they may draw from the information contained in the Addendum