Addendum #2

Date: 1/18/2017

Project: Kalamazoo Public Schools Transportation Building Fiber – Project 2499

This addendum forms part of and modifies the Project Specifications, Contract Forms and Drawings dated 12/19/2017. Bidders are to acknowledge receipt of the addendum on the bid forms.

Drawing Updates

Sheet T101 Reissued
Sheet T102 Reissued

Questions and Answers

1. Will conduit be installed from new transportation building to the right-of-way?

   Answer: Yes, two 2" schedule 40 conduits with pull tape.

2. Where will the hand hole be in relationship to the pole?

   Answer: Assume within 15 feet of pole.

3. Is splice point three allowed to be an aerial splice?

   Answer: Yes, that is preferred.

4. What is the inside plant footage and will it be in conduit?

   Answer: See Sheet T101 keyed notes for length.

5. Does entrance fiber need to be plenum rated?

   Answer: No since it is in conduit.

6. In section 4.6 of the spec it calls for corning freedom cable. Can other armored cable be spec'd?

   Answer: Yes, armored fiber is preferred.

7. Does the Panduit certified warranty mentioned in the spec apply?

   Answer: No this is for Category 6 UTP cable that is not part of this project.

8. Will underground work be required due to transmission lines that will not allow fiber attachment?

   *Answer: Bidders must provide a complete project bid. Wherever underground or other work is needed to complete the installation of fiber, this cost must be included in your **base bid price**. It is likely that underground install or an alternate route will be required.*

9. Does KPS have a pole attachment agreement with consumers?

   Answer: No, contractor will facilitate this application process.

10. Does KPS already have a metro agreement in place for Kalamazoo Township and City of Kalamazoo?

    Answer: No, contractor will facilitate this application process.

11. Who will hold permits KPS or contractor?

    Permits are to be in the Contractor's name. Pole Attachment and Metro agreements will be in Owners name.

12. Where underground fiber is required, how many additional ducts will be installed as spares?

    Answer: One spare 1.5" HDPE duct.

13. Is there continuity on the existing fiber from the District Head End to the new splice location or should we assume we will need to perform additional testing and splicing to get continuity?

    Answer: Yes, we believe all 32 strands are intact. There are four buildings, each with 8 strands connected downstream of the splice point. Each building typically has 4 strands in use. You are expected to test the four new strands that are repurposed for the Transportation building back to the Admin Building head end and all other downstream strands that are not in active use.

14. At the new splice location, how many fibers from the new 24ct will be spliced to the existing 32ct?

    Answer: See riser on sheet T102 for splicing details. Four strands will be spliced.

15. Is there any draft of a site plan available for the new transportation building?

    Answer: Not at this time. Notes have been update on Sheet T101 to show exact pole and length of entrance cable to coil on pole.

16. We would like to verify fiber availability if we were to build/quote a Westward route back to Nichols Rd. Are there 4 fibers available for us to splice in the new strands at the corner of Nichols and Grand Prairie? Or will we have to build down to Alamo and Nichols to grab 4 fibers?

    Answer: Based on the as-built drawings available to the district a splice at Alamo & Nichols should work. Splicing before the Hillside Middle School lateral would provide more future flexibility to the district.

17. What footage should we assume from the meet point HH at the r/w to the building?

    Answer: See re-released sheet T101 keyed notes.

18. Will the termination panel be rack mount or wall mount?

    Answer: See sheet T102 for details – Rack mounted.

19. What is the fiber cable count of the existing KPS fiber cable we are tying into?

    Answer: Per as-built provided to district: 32 strands.

20. Are all bidders required to include underground construction to by-pass the Consumers Energy sub-transmission poles on Ravine Rd near Douglas Ave in their bid response?

    Answer: Bidders must provide a complete project bid. Wherever underground or other work is needed to complete the installation of fiber this cost must be included in your base bid price. It is likely that underground install or an alternate route will be required.

21. Can you elaborate on the scope of work for the splicing, testing and labeling requirements between the existing KPS buildings and the new transportation building?

    Answer: Because this work will affects 32 strands of fiber feeding four KPS buildings downstream of the new work, testing and label updates are required at these four buildings. Strands shall be tested with OTDR and power meter and any reallocated strands labeled to indicate they are now dead.

22. Item 3.2 in the RFP states that all work is within the city of Kalamazoo and the township limits. It then lists 3 locations: KPS Administration Building, King-Westwood Elementary and Indian Prairie Elementary. Are these three locations listed solely for the relabeling that will be necessary after strands are re-allocated for the new transportation building? Other than the relabeling, will any other work be necessary in these three locations?

    Answer: See question #21 above.

23. It looks like 4 strands total (2 taken from the Indian Prairie Elementary and 2 taken from the King-Westwood Elementary) are intended to complete the connection to the new transportation building. Is that correct?

    Answer: Yes, Gold Star!

24. If my assumptions in question #23 are correct, then I make the following assumption about the splice into the backbone fiber at location #1 on the Fiber Map: Only 4 strands are being spliced at this location. Is this correct?

    Answer: It is likely that the 28 remaining strands will need to be spliced to new cable to support slack loops.

25. At location #3 on the Fiber Map, there will be a future splice when the new building is completed from the proposed 24 strand backbone feeder fiber to a 12 strand entrance cable. How many strands are we to splice in that capsule?

    Answer: 12.

26. Will there be an existing entrance conduit into the new building, and will that conduit extend all the way to the building's MDF? Are there any drawings of the proposed construction of that building, or is there a specific length of 12 strand fiber that we should use for bidding purposes?

    Answer: See sheet T101 keyed notes.

27. Inside the MDF of the new building, how many strands of the proposed 12 strand fiber are we to terminate?

    Answer: Terminate all 12 strands, but label strands 5 to 12 as feeding to pole only.