

## **ADDENDUM No. 2**

### **Request for Proposals (RFP)**

### **19RFP033 Structured Network Cabling**

December 19, 2018

**Item 1: General Clarifications**

**Item 2: Questions and Answers**

**Item 1:**

General Clarifications for 19RFP033 Structured Network Cabling

1. Scope of Projects Covered
  1. The scope of this RFP will primarily cover cable maintenance and additional cabling required by the NSS department as existing campuses and facilities.
  2. The bond projects will not be covered by this RFP. The cabling for the new schools and additions done with the bond projects will be administered through the GC for each project.
2. Commscope/Systimax Requirements
  1. Since the scope of the RFP is primarily for existing campuses which are Commscope/Systimax, the vendor may be required to provide cabling from this manufacturer.
  2. Since most of our cabling is older than 20 years, the Systimax warranty has expired.
  3. Therefore, any vendor can bid Systimax products (Systimax compatible products) without a concern for invalidating the warranty for a campus installation.
  4. The vendor does not have to be Systimax certified for these installations.
  5. All cabling must meet the performance standards of the AISD PDM.
  6. All cabling must include extended warranty standards of the AISD PDM.
3. Bidders can submit multiple pricing worksheets (Appendix A) to show options for products from multiple cabling manufacturers.
4. Clarifications for Appendix A Cost Estimate estimates
  1. AISD has defined common cabling tasks that are needed.
  2. AISD prefers pricing quotes to include all labor and materials required for complete functional cabling installations.
  3. In order to allow AISD to have a clear understanding of the bidders pricing, we suggest that you follow these guidelines.



4. The bidder should provide details of any assumptions made in estimating prices for items in the worksheet (cable lengths, labor hours, specific materials).
5. The bidder should include details of products and parts used for estimates.
6. The bidder should include cable lengths, labor quantities, and other assumptions used in price estimates for each line item.
7. If necessary, the bidder can add line items to provide pricing to match his company pricing models more accurately.

**Item 2:**

SPECIFIC QUESTIONS RECEIVED FROM POTENTIAL BIDDERS

All questions are related to the **Appendix A – Section 1 Unit Pricing:**

1. **Item #22** > Re-terminate Existing Drops (From Wall To Ceiling).  
**Question 1.1:** Should the pricing include the relocation of a cable from the wall to the ceiling as well? **YES**
2. **Item #23** > Provide & Install CATV Rg6 Plenum Qty (11 To 20) (151-300Ft.) (Material & Labor Included).  
**Question 2.1:** Should the pricing assume worst case of 300-ft. **OR** the average footage between 151-ft. and 300-ft.? **The vendor can decide on the pricing model. Vendor should provide details of the model. AISD prefers a fixed price for this task.**
3. **Item #24** > Provide & Install Single Rg11 Plenum Qty (1) (1-100Ft.) (Material & Labor Included).  
**Question 3.1:** Should the pricing assume worst case of 100-ft. **OR** the average footage between 1-ft. and 100-ft.? **The vendor can decide on the pricing model. Vendor should provide details of the model. AISD prefers a fixed price for this task.**
4. **Item #25** > Provide & Install Single Rg11 Plenum Qty (1) (1-200Ft.) (Material & Labor Included).  
**Question 4.1:** Should the pricing assume worst case of 200-ft. **OR** the average footage between 1-ft. and 200-ft.? **The vendor can decide on the pricing model. Vendor should provide details of the model. AISD prefers a fixed price for this task.**
5. **Item #26** > Provide & Install Single Rg11 Plenum Qty (1) (1-300Ft.) (Material & Labor Included).  
**Question 5.1:** Should the pricing assume worst case of 300-ft. **OR** the average footage between 1-ft. and 300-ft.? **The vendor can decide on the pricing model. Vendor should provide details of the model. AISD prefers a fixed price for this task.**
6. **Item #28** > Provide & Install 12 Strand SM Fiber (300 Ft.) OSP (Material & Labor Included) St/Sc/Lc Terminations On Both Sides. This Includes Aerial Cable Installation.  
**Question 6.1:** There is a labor factor difference between installing backbone in conduit and aerial. Should we assume worst case and price for an aerial install? **The vendor can provide 2 separate quotes for this line item.**
7. **Item #36** > J Hooks (Supply And Install).  
**Question 7.1:** Should pricing be based on per unit cost **OR** is there a quantity AISD requires us to price for a comparison? **The vendor can use a quantity of 200 j-hooks for this line item for each MDF/IDF.**
8. **Item #43** > Provide & Install 19" Two Post Rack, Cabinet, Wall Mount, Etc. (Labor Only).  
**Question 8.1:** Description states Provide & Install and Labor only. Please clarify?



**The vendor should include all costs (materials & labor) for this line item for each MDF/IDF. Please provide details of specific materials included.**

- 9. Item #48 > Provide & Install 10' Section Basket Tray.**  
**Question 9.1:** What are your requirements for the width and depth of the basket-tray pricing? **Please use a 12 inch width with 2-3 inch depth for a standard.**
- 10. Item #50 > Provide & Install 10' Section Ladder Tray.**  
**Question 10.1:** What are your requirements for the width of the ladder tray pricing? **Please use a 12 inch width for a standard pricing.**  
**Question 10.2:** Is this a straight section only pricing **OR** should the pricing include the mounting bracket at the wall and rack? **Pricing should include all materials and labor for complete installation of the ladder rack.**
- 11. Item #58 > Reloc. Existing Rack (With Equipment Installed).**  
**Question 11.1:** What is the percentage of existing equipment being relocated with the relocation of a rack? **Estimate 100% for relocation.**  
**Question 11.2:** Should the pricing include un-patching and re-patching the ports of the equipment? **Pricing should include everything required to ensure 100% functional system when the relocation is complete.**  
**Question 11.3:** If yes to Q11.2, how many ports should we assume need to be un-patched and re-patched? **Estimates should be based on a rack containing 3 48 port switches with corresponding patch panels, horizontal and vertical cable management, rack mounted power strips, etc.**
- 12. Item #59 > Provide & Install Ladder Rack.**  
**Question 12.1:** What are your requirements for the width of the ladder rack pricing? **Please use a 12 inch width for a standard.**  
**Question 12.2:** Is this a straight section only pricing **OR** should the pricing include the mounting bracket at the wall and rack? **Pricing should include all materials and labor for complete installation of the ladder rack.**
- 13. Item #73 > Removal/Salvage Of Old Network Equipment - Large School (10-15+ closets) - (Switches, Aps, Ups, Pa, Fiber/Copper Panels).**  
**Question 13.1:** For your bid comparisons, what should we assume the quantity of network equipment being removed **OR** should this be based on per hourly rate? **Estimates should be based on a rack containing 3 48 port switches with corresponding patch panels, horizontal and vertical cable management, rack mounted power strips, etc. Bidder should explain pricing assumptions and any limitations to scope of work.**  
**Question 13.2:** Should pricing be based on work being performed during the day (between 8 am and 5 pm)? **Yes.**
- 14. Item #74 > Removal/Salvage Of Old Network Equipment - Large School (5-10 closets) - (Switches, Aps, Ups, Pa, Fiber/Copper Panels).**  
**Question 14.1:** For your bid comparisons, what should we assume the quantity of network equipment being removed **OR** should this be based on per hourly rate? **Estimates should be based on a rack containing 3 48 port switches with corresponding patch panels, horizontal and vertical cable management, rack mounted power strips, etc. Bidder should explain pricing assumptions and any limitations to scope of work.**
- 15. Item #75 > Removal/Salvage Of Old Network Equipment - Large School (1-5 closets) - (Switches, Aps, Ups, Pa, Fiber/Copper Panels).**  
**Question 15.1:** For your bid comparisons, what should we assume the quantity of network equipment being removed **OR** should this be based on per hourly rate? **Estimates should be based on a rack containing 3 48 port switches with corresponding patch panels, horizontal and vertical cable management, rack mounted power strips, etc. Bidder should explain pricing assumptions and any limitations to scope of work.**



**16. Item #79** > Project Mgmt - Cabling Of Large School (10-15+ closets).

**Question 16.1:** Typically PM rates are based on the total hours of the project (Tech hours). Can you provide us an example of hours to base the PM time on **OR** should the pricing be based on an hourly rate? **The bidder is expected to estimate PM time requirements based on the information provided. Please provide details of the hours estimated and the cost for these services.**

**17. Item #80** > Project Mgmt - Cabling Of Large School (5-10 closets).

**Question 17.1:** Typically PM rates are based on the total hours of the project (Tech hours). Can you provide us an example of hours to base the PM time on **OR** should the pricing be based on an hourly rate? **The bidder is expected to estimate PM time requirements based on the information provided. Please provide details of the hours estimated and the cost for these services.**

**18. Item #81** > Project Mgmt - Cabling Of Large School (1-5 closets).

**Question 18.1:** Typically PM rates are based on the total hours of the project (Tech hours). Can you provide us an example of hours to base the PM time on **OR** should the pricing be based on an hourly rate? **The bidder is expected to estimate PM time requirements based on the information provided. Please provide details of the hours estimated and the cost for these services.**

**19. Question 19.1:** Should labor rates include prevailing wages?

**Question 19.2:** If yes, can you provide us with a current document with prevailing wages?

**a. Yes, please refer to the Davis Bacon prevailing wages on the Department of Labor website.**

1. In Appendix C of the RFP, in the Division 27 13 00 spec for Communications Cable Plant, subsection 3.4(B), it states the *contractor will match the existing cable plant manufacturer and parts for existing campus construction or renovation*. With the understanding most AISD campuses are CommScope Systimax, does that mean unit pricing we're to provided in the Appendix A Worksheet is to be CommScope Systimax? How are we to submit a unit price for a CAT 6 data drop when the solution at one campus is Systimax and the solution at new campus might be Panduit, Leviton, SignaMax, etc., under the new February 2018 performance spec for Division 27 (Appendix C)?

**Answer from AISD: The primary scope of the RFP is on maintenance of existing cable plant and minor moves, adds, and changes. A solution compatible with the existing Systimax/Commscope environment will be preferred. A vendor can submit multiple pricing sheets (Appendix A) that include other cabling options for consideration by AISD.**

For the "Appendix A" Unit Pricing Spreadsheet (can be found at [planroom.millerids.com](http://planroom.millerids.com)), please respond to the following questions:

- Line Items #13 - #18:
  - Is this for material only, or will installation labor or other services need to be provided for this?  
**Materials only**
- Line Item #23:
  - Is this price good only from quantities of 11 – 20 and 151-300'? Will there be any need for quantities less than 11 or greater than 20, less than 151' or greater than 300'?



- **Bidder can quote additional quantities and lengths if there is a pricing differential.**
- Line Item #32:
  - Please describe exactly which components are to be included, (e.g., fiber patch panels, LIU's, modules, couplers, splice trays, modular cassettes, etc.?)
  - **Bidder should include all components necessary to provide functional fiber plant.**
- Line Items 41 & 42:
  - Please confirm if this is intended to be SM/MM as shown or SM/SM or MM/MM
  - **Bidder should include separate bids for SM and MM for each of these line items.**
- Line Items #44 & 45:
  - Are these meant to be modular panels or loaded panels?
  - **Bidder should include all inserts in patch panels.**
- Line Item #48:
  - How should this be assumed to be installed? (e.g., wall mounted, all thread, etc.)
  - **Bidder can price various mounting methods if the pricing is different. Bidder should specify assumptions made in cost estimate.**
- Line Items #61-64:
  - Are these meant to be modular panels or loaded panels?
  - **Bidder should include all inserts in patch panels.**
- Line Items #66-72:
  - Is this meant to be an hourly rate? If not and this is intended to be a unit price, please provide parameters for the size and type of device (i.e., 30" or 70" TV or Display for Line Item #72?).
  - **Bidder should quote unit prices. Bidder can specify limitations that apply to size of devices, estimated labor hours included, etc.**
- Line Items #73 & 74:
  - How many switches, ap's, etc. – per closet should we assume?
  - **Bidder can estimate 3-5 switches and 15-25 Aps per closet.**
  - Can we assume this will be one visit or multiple trips? If multiple trips, how many trips?
  - **Bidder can specify the number of trips planned. If additional costs are involved, this should be specified in the bid.**
  - **Bidder will be required to deliver the equipment to a designated storage facility. This should be included the quoted costs.**
  - Will all the switches, ap's all need to be documented and tagged?
  - **An inventory document of all removed equipment will be required.**
- Line Items #76-78:
  - Please indicate what kind of fiber (SM, MM, ISP, OSP, Armored, Strand Counts, etc.)
  - **Most fiber runs are 12 strand multimode. Some are armored.**
  - What distance should we assume?
  - **Distances will vary. Bidder can provide variable costs based on length.**
  - For pathways, assume aerial or via conduits?
  - **Most removal would be for cable run inside the buildings, enclosed in orange innerduct run above the ceiling in the plenum space. Bidder can should specify other pricing as appropriate.**
- Line Items #79-81:
  - Hourly rate or single unit labor cost? If unit cost, please indicate exactly what services are required
  - **Bidder should quote cost for all project management services required for completion of a cabling project of the campus size described. Any limitations, exclusions, or additional costs should be called out.**
- Line Items #82-84:
  - What happens if these services take more than 1 hour?



- **Bidder should specify estimated cost as described. Any limitations, exclusions, or additional costs should be called out.**
- Line Items #89-94:
  - Should we assume an hourly rate for these items? **Yes.**
- Line Items #95 & 96:
  - Please elaborate.
  - **Travel time should not be the same hourly rate as repair time rates.**
  - **One Trip charge should cover visits to multiple campuses in a round trip from vendors location.**
- Line Item #98:
  - Should we assume an hourly price for (1) tech in a truck or (2 or more)?
  - **Bidder should quote multiple crew sizes.**
- Line Items #97-99:
  - How should a prospective bidder quantify this fee?
  - **Bidder should specify whether or not travel charges are included in fixed service rates quoted earlier in the worksheet or billed separately.**
- Line Item 87.5:
  - Should it be Cat6A to match 87.3 and 87.4?
  - **Yes.**
- Line Item 87.7:
  - What model of speaker?
  - **This will be an 8" IP enabled speaker. There may be various models and brands used.**
- Line Item 87.8:
  - What all is expected in a network switch install? Mount? Rack or Wall? Power-up? How do you verify port connectivity? What if power is not yet available at the portable; should we include costs for bringing a portable generator to temporarily provide power to verify connectivity? What all is involved in verifying connectivity; is it just local or is there some other form of verification such as calling a central station for verification? Is there a maximum amount of time we should include for this task?
  - **Bidder should quote switch installation (wall or rack mount), including power up, basic network connectivity test, notification of AISD network staff.**
- Line Item 87.9:
  - What all is expected an IP phone install? Mount on wall or desk? How do you verify port connectivity? What if power is not yet available at the portable; should we include costs for bringing a portable generator to temporarily provide power to verify connectivity? What all is involved in verifying connectivity; is it just local or is there some other form of verification such as calling a central station for verification? Is there a maximum amount of time we should include for this task?
  - **Bidder should quote phone installation (wall mount or desk), including power up, registration, basic network connectivity test, notification of AISD network staff.**