



## ADDENDUM NO. 1

### Network Infrastructure Upgrades – Phase 1 Murrieta Valley Unified School District

May 11, 2018

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#### 1. PART 1 – GENERAL

- 1.1 The following revisions and/or clarifications shall be made to the bidding requirements and contract documents. Revise and amend the documents for the above-named project in accordance with this addendum. The bid shall reflect these addendum changes and each bidder shall make reference in their bid to this addendum.
- 1.2 Notice to All Bidders; Additional instructions and notifications.
  - 1.2.1 The installation of all new Network Cable Infrastructure cabling shall be provided in existing conduit or raceway, unless otherwise noted on the floor plans. The symbols showing new surface mounted raceway on the floor plans shall be provided with new raceway. The existing conduit or raceway is not shown and the Contractor shall field verify pathways prior to installation of the cabling.
  - 1.2.2 The provision of any new surface raceway for the installation of low voltage cabling or power, shall match as closely as possible the color of the existing surface raceway. Matching the manufacturer of the existing raceway is not required but is preferred. New raceway for new cabling or power must all be of the same manufacturer and color, as well as series. Do not mix types, styles or manufacturers of raceway on the site. Provide type and color with the initial product submittals for the project.
  - 1.2.3 Sheets E2.0 through E2.3, Overall and Partial Site Plan Sheets, are provided “For Reference Only” and no work shown on these sheets will be part of the bid requirements. They are mainly provided to show areas of work and existing MDF/IDF locations, as well as existing conduit paths.
  - 1.2.4 The Network Infrastructure at Murrieta Valley High School will be shut down for a set period of time during the infrastructure upgrades. The network must be 100% operational by the date set by the District. Confirm start and end dates with

Johnathan Pratt, IT Department Sr. Systems Engineer and District Project Contact for this project, for actual dates and restrictions for the installation schedule.

- 1.2.5 There is no work at the Thompson Middle School Campus. Any references found in the specifications have been corrected.

## 2. PART 2 – PROJECT MANUAL

### 2.1 Narrative Changes to Specifications

- 2.1.1 Specification Section 270100 – Item 1.1 – Delete the paragraph in it’s entirety and replace it with the following paragraph, “This Division of the specifications outlines the provisions of the contract work to be performed under the Division 27 scope of work. The Division 27 Contractor may be the Prime Contractor or a Subcontractor to the Division 26 Electrical Contractor. Refer to the District’s instructions in the General Contract Conditions in the front-end documents for further definitions. District provisions shall take precedence for the Contractor licensing requirements.”
- 2.1.2 Specification Section 271000 – Item 6.2.3.2 – Delete paragraph in it’s entirety.
- 2.1.3 Specification Section 271000 – Item 5.2.3 – Replace the following sentence in the paragraph, “Fiber optic patch cords shall be furnished with LC connectors at the network switch port end and ST or SC type connectors at the fiber optic patch panel end.”, with the following sentence, “Fiber optic patch cords shall be furnished with LC connectors at the network switch port end and SC type connectors at the fiber optic patch panel end.”
- 2.1.4 Specification Section 271000 – Item 6.4.6 – Add the following acceptable cables to the list of OSP Rated Augmented Category-6 UTP Cables – General Cable Augmented Category-6 GenSpeed OSP-Rated Cable – Part Number 8136100, Berk-Tek LANmark-10G 6A OSP Part Number 11094458; Remove the following cable from the list of acceptable OSP Rated Augmented Category-6 cables; Commscope Augmented Category-6 FTP Cable Part Number 1592A.
- 2.1.5 Specification Section 271000 – Item 6.4.7 – Delete paragraph in it’s entirety.
- 2.1.6 Specification Section 271000 – Item 6.4.8 – Delete paragraph in it’s entirety

## 3. PART 3 – DRAWINGS

### 3.1 Electrical Drawings Issued

- 3.1.1 The following Addendum (“AD”) Drawings are issued:
  - 3.1.1.1 Drawing E-2.11: Replace entire sheet with Drawing revised per Addendum #1. Changes to floor plans in Room 823.
  - 3.1.1.2 Drawing E-2.12: Replace entire sheet with Drawing revised per Addendum #1. Changes to floor plans in Room 824.

3.1.1.3 Drawing E-4.1: Replace entire sheet with Drawing revised per Addendum #1. Changes to Detail #4/E4.1.

3.1.1.4 Drawing E-4.2: Replace entire sheet with Drawing revised per Addendum #1. Changes to Detail #8/E4.2.

#### 4. PART 4 – PRE-BID RFI QUESTIONS AND RESPONSES

4.1 Can you provide contact information for the Outdoor IDF Cabinet required, having trouble contacting anyone for product specs and pricing?

4.1.1 The Contact Information for the Outdoor IDF Cabinet is as follows; Eric Blankenship, Account Manager, DDB Unlimited, Inc., 2301 S. Hwy. 77, Pauls Valley, OK 73075, (800) 753-8459 Ext. 2887, (877) 220-7236 Fax. The Build Order Reference Number for the cabinet is #034240.

4.2 Can you confirm the Linear footage required for the Chain Link to be installed?

4.2.1 Per the specifications, Section 271000, Item 4.12.2. the chain link enclosure must provide a minimum of 3-feet of clearance around the entire cabinet enclosure, including clearance from the side mounted AC Unit. The exact linear footage will depend on the placement of the cabinet. The building may be used on one side of the enclosure as a barrier and would not require fencing along the building, but the roof, or top of the enclosure, must be properly supported. Contractor must best estimate linear footage of fencing based on placement of the cabinet.

4.3 On plans E2.12, can we utilize Panel DPP8B for the Circuit required to IDF-M? (reviewed during job walk)

4.3.1 The existing Panel DPP8B currently only has a 125-Amp Main Breaker and is already at full load capacity, based on the load on the existing circuits. The Contractor shall furnish the power as shown on the drawings, to the Panel notated. The Contractor may, as an optional approach, replace existing panel DPP8B, with a larger load center, larger main breaker, larger feed conductors and larger breaker in the Distribution Panelboard. All of the existing circuits in Panel DPP8B, would have to be re-terminated and tested if this option was chosen.

4.4 In Section 27 01 00 paragraph 1.1 it states that Division 27 is to be performed as a sub contract under the Division 26 scope of work. If we are a C-7 low voltage contractor only, does this mean we would need to get a C-10 electrical contractor to be the prime bidder, or can we bid as the prime and subcontract the Division 26 scope of work?

4.4.1 Yes, the Division 26 Contractor can be the Prime Contractor for the project and hire the Division 26 Electrical Contractor as the subcontractor. See revised specifications section changes above in the Addendum.

4.5 Division 27 10 00-23 paragraph 6.2.3.2, it states to remove and demo an existing 12-strand (6MM/6SM) fiber cable at IDF-C and then it says to re-route it to the new outdoor IDF cabinet being provided behind the building. Is this a part of the scope of work that has been deleted. We were not shown any work for IDF-C on the job walk? The new

Outdoor IDF-Z behind room 807 is getting a new fiber cable per the site specific details in the specs and per the job walk. Can you clarify for IDF-C work?

4.5.1 This is a part of the project that was deleted prior to bid. See revised specifications section changes above in the Addendum.

4.6 Are we re-terminating all IDF fibers or just the ones listed in the site specific section of Division 27 starting on page 34?

4.6.1 The only fibers being re-terminated are the two existing 6-strand fibers to IDF-‘M’ in Room 829 and IDF-‘N’ in Room 600. Fiber cables are only being re-terminated on the IDF end, the MDF end will remain as-is. It must still be tested after termination.

4.7 What type of fiber connector (LC or SC or?) do you require for this project?

4.7.1 The fiber feed cables will be terminated with SC-type connectors at the patch panel. The patch cables will be LC-type on the switch end and SC-type on the patch panel end.

4.8 Since the Contractor’s entire question is quite lengthy, a summary question has been provided; Should OSP rated UTP cable be used from the new Outdoor IDF cabinet and how do you want us to bid the installation of the OSP rated cable?

4.8.1 For all cables from Outdoor IDF-‘Z’ – Room 807 to all rooms **except** Rooms 817, 819, 821 and 823; Contractors shall bid the project using the standard Riser-rated cables listed in the specifications for both Cat-6 and Cat-6A, and run the cable to the IDF Cabinet via the conduits as shown on the drawings, underground.

4.8.2 For all cables from Outdoor IDF-‘Z’ – Room 807 to Rooms 817, 819, 821 and 823; Cables routed to these relocatable buildings shall be provided with the OSP-rated cables listed in the specifications for both Cat-6 and Cat-6A locations, including the changes in this Addendum.

4.8.3 The Contractor shall furnish either innerduct or EMT conduit within the relocatable rooms furnished with OSP rated cabling, per 271000 Item 11.30.

4.9 Can all the old cable be demoed before the new is installed, so we can free up space in the existing conduits, sleeves and raceways for the new cabling?

4.9.1 The method of demo and/or installation shall be the decision of the Contractor. The District will be shutting down the system to allow for replacement of the cabling so the existing system will not need to be operational, within the area of the scope of work. The Division 26 General Provisions is a boilerplate specification section for us and is rarely adjusted on a per project basis. The instructions in the 271000 Section regarding specific work to be performed for the demo for this project shall take precedence over the 260100 General Provisions.

4.10 Division 27 10 00, section 10.1.6 – IDF work it states to demo the existing plywood backboard and restore wall to original condition. Will patching the holes with drywall

mud or spackle and painting the wall to match the existing room color be sufficient by us, or do we need to subcontract a dry-walling contractor to come in and patch, texture and paint the wall?

4.10.1 I will have to refer this question to the District. They will have to provide their policy regarding the repair or patching of the existing wall surfaces.

4.11 Will appropriately rated innerduct be required for all new and relocated fiber optic cabling?

4.11.1 No, the existing fiber is not currently routed in innerduct and therefore innerduct will not be required for re-routed existing fiber optic feed cable. Only new fiber runs will require innerduct if conduit is not provided to route the cable in.

4.12 In section 27 10 00, page 11, paragraph 4.7.1 it states: Any cabinet that is being replaced in the same location must be coordinated with the District IT Department and the local school campus Administration if there is to be any down time that may affect the operational ability of the network connections. The change must be performed after hours or on the weekends or if done during the work week, the change must be able to be done bringing down the entire IDF location. Full operational ability must be restored for normal working hours. Should this directive be followed for this specific project, or can all the demo and new cabinet work and cabling be done during normal business hours?

4.12.1 See response in Item 4.9.1. The cabling infrastructure will not be required to remain operational while being replaced.

4.13 On drawing E4.0 it specifies installing surge suppressors or PDU's in the equipment racks and it says to see specifications. I could not find any specifications for these PDU's. Can you provide the specifications or manufacturer name and part number for the PDU's that are required?

4.13.1 The PDUs and UPS requirements will be furnished and installed by the District.

4.14 I don't see any new surface raceway on the drawings, and since we are replacing the existing cabling with the same quantity of new cabling wouldn't all the surface raceway already be in place? Can you clarify if new raceway is required and if yes, where it is located on the drawings?

4.14.1 There are a very limited number of cable drops that require new surface raceway and they are noted on the drawings with the "SR" designation and a tail attached to the data symbol. Refer to the drawings for the locations that require new surface raceway.

4.15 What is the estimated start date and completion date for the entire project?

4.15.1 Completion date I will have to refer this question to the District. They will be directing the timelines for the project. Contact Johnathan Pratt at MVUSD for schedule requirements.

END OF ADDENDUM #1