ADDENDUM NO. 6

PROJECT: East Tennessee State University - New Football Stadium:
Bid Package No. 02 – Rough Grading & Early Utilities
SBC No. 166 / 005-02-2013

MIIM PROJECT NO. 15012

DATE: November 24, 2015

McCARTY HOLSAPLE McCARTY, INC.
550 WEST MAIN STREET
SUITE 300
KNOXVILLE, TENNESSEE 37902

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of the Contract Documents for the East Tennessee State University - New Football Stadium: Bid Package No. 02 – Rough Grading & Early Utilities, and modifies the original specifications and drawings issued for bidding August 31, 2015.

PROJECT MANUAL

A. Section 00.11.19 “REQUEST FOR GMP PROPOSAL”:
   1. This Section has been revised and is hereby re-issued in its entirety, page 1, footer dated 24-NOV-15.

B. Section 26.05.01 “BASIC ELECTRICAL MATERIALS AND METHODS”:
   1. This Section has been revised and is hereby re-issued in its entirety, pages 1-3, and footer dated 24-NOV-15.

C. Section 27.08.00 “COMMISSIONING AND DOCUMENTATION”:
   1. This Section has been revised and is hereby re-issued in its entirety, pages 1-2, and footer dated 24-NOV-15.

D. Section 27.15.00 “VOICE AND NETWORK HORIZONTAL CABLING SYSTEM”:
   1. This Section has been revised and is hereby re-issued in its entirety, pages 1-3, and footer dated 24-NOV-15.

DRAWINGS

A. G000 - Coversheet:
   1. This drawing has been revised and is hereby re-issued, Rev 2, dated 24-NOV-15.

B. Civil Drawings: The following Civil Drawings have been revised and are hereby re-issued, Revision Numbered and dated as noted:
   1. C102 – Civil Notes & Legend, Rev 1, dated 11/24/15;
ATTACHMENTS

A. Project Manual:
   1. Specification Sections 00.11.19, 26.05.01, 27.08.00, and 27.15.00, all footer dated 24-NOV-15.

B. Drawings:
   2. Civil Drawings C102; C161, C163; C181, C182; and C192, Rev as noted above, all dated 24-NOV-15.

END ADDENDUM NO. 6
REQUEST FOR GMP PROPOSAL

For Project: New Football Stadium for East Tennessee State University
SBC No. 166/005-02-2013
Bid Package No. 2 – Rough Grading and Early Utilities

A. A Guaranteed Maximum Price proposal is requested for the Work described in this Project Manual and the associated drawings and addenda. You are to obtain bids for trade subcontracts, and develop the proposal in accordance with the CM/GC Master Contract.

B. The proposal shall be for:
   [ ] a new Contract.
   [X] an amendment to an existing Contract.

C. The proposal shall offer alternates as specified. In addition, voluntary alternates:
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D. Contract Bond, in the amount of 100% of the Contract Sum, on the Owners standard form is required. If this proposal is for an amendment, a rider to the existing bond acknowledging the amendment and the revised Contract Sum is required. A Three-Year Roof Bond is:
   [ ] required, for ________________
   [X] not required.

E. Substantial completion of this Work shall be achieved in the number of calendar days Contract Time allotted each Phase below, from and including the Commencement of each, and accepting the conditions for Liquidated Damages, per day, in the amount set forth for each, wholly and severally for each Phase:

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END OF SECTION
SECTION 26.05.01
BASIC ELECTRICAL MATERIALS AND METHODS

PART 1 GENERAL

1.01 QUALITY ASSURANCE
   A. Qualifications of Manufacturer: All materials and equipment used in work of Division 26 shall be produced by manufacturers regularly engaged in manufacturer of similar items and with history of successful production acceptable to the Engineer. They shall be new and be UL listed and labeled or listed and labeled by other recognized testing laboratory where such label is available.
   B. Qualifications of Installers: Use adequate numbers of skilled workmen who are thoroughly trained and experienced in necessary crafts and who are completely familiar with specified requirements and methods needed for proper performance of work of this Section.

1.02 GUARANTEE-WARRANTY
   A. Guarantee work to be free of material and workmanship defects for a period of one year, from date of final acceptance for the project. Repair and replace defective work and other work damaged thereby which becomes defective during term of Guarantee-Warranty. Furnish Owner with three written copies of Guarantee-Warranty.

PART 2 PRODUCTS

2.01 SUBSTITUTIONS
   A. Reference in Specifications to any article, device, product, material, fixture, form and type of construction, by name, make, or catalog number shall be interpreted as established standard of quality and shall not be construed as limiting competition. Any article, device, product, material, fixture, form and type of construction which in the judgment of Engineer, expressed in writing, is equal to that specified, may be used.
   B. Substitution shall be approved by Engineer before purchase and/or installation. If unapproved materials are installed, work required to remove and replace unapproved items shall be done at the Contractor's expense.

PART 3 EXECUTION

3.01 INSTALLATION
   A. Electrical drawings are diagrammatic and shall not be scaled for exact sizes or locations. They are not intended to disclose absolute or unconditional knowledge of actual field conditions.
   B. Equipment shall be installed according to manufacturer's recommendations.
   C. Protect work and materials from damage by weather, entrance of water, and dirt. Cap conduit during installation. Avoid damage to materials and equipment in place.
   D. Satisfactorily repair or remove and replace damaged work with new materials.
   E. Trenching and backfilling shall comply with Site Work of these Specifications and provide sheathing, shoring, dewatering and cleaning necessary to keep trenches and their grades in proper condition for work to be carried on. Trenches shall be excavated 6" below elevation of bottom of conduit. Backfill shall be per Site Grading and Filling.
   F. Failure to route conduit through building without interfering with other equipment and construction shall not constitute a reason for an extra charge. Equipment, conduit and fixtures shall fit into available space in building and shall not be introduced into building at such times and manner as to cause damage to structure. Equipment requiring services shall be readily accessible.
G. Sequence, coordinate, and integrate the various elements of electrical systems, materials, and equipment. Comply with the following requirements:
   1. Coordinate electrical systems, equipment, and materials installation with other building components.
   2. Verify all dimensions by field measurements.
   3. Arrange for chases, slots, and openings in other building components during progress of construction, to allow for electrical installations.
   4. Coordinate the installation of required supporting devices and sleeves to be set in poured-in-place concrete and other structural components, as they are constructed.
   5. Sequence, coordinate, and integrate installations of electrical materials and equipment for efficient flow of the Work. Give particular attention to large equipment requiring positioning prior to closing in the building.
   6. Where mounting heights are not detailed or dimensioned, install systems, materials, and equipment to provide the maximum headroom possible.
   7. Coordinate connection of electrical systems with exterior underground and overhead utilities and services. Comply with requirements of governing regulations, franchised service companies, and controlling agencies. Provide required connection for each service.
   8. Install systems, materials, and equipment to conform with approved submittal data, including coordination drawings, to greatest extent possible. Conform to arrangements indicated by the Contract Documents, recognizing that portions of the Work are shown only in diagrammatic form. Where coordination requirements conflict with individual system requirements, refer conflict to the Engineer.
   9. Install systems, materials, and equipment level and plumb, parallel and perpendicular to other building systems and components, whether exposed or concealed.
   10. Install electrical equipment to facilitate servicing, maintenance, and repair or replacement of equipment components. As much as practical, connect equipment for ease of disconnecting, with minimum of interference with other installations.
   11. Install access panels or doors where units are concealed behind finished surfaces.
   12. Insulate dissimilar metals so they are not installed in direct contact.

H. Conduits which pass through floor slabs (except ground floor) shall be sealed with Fire Stop Sealant. Seal around conduits or other wiring materials passing through partitions, floors, and fire rated walls. Use UL approved Fire Stop Sealant as detailed on the drawings.

I. Coordinate electrical power connection requirements with all equipment suppliers. Where power requirements differ from drawing design requirements, Engineer shall be notified for clarification and installation requirements prior to installing that portion of work. Cost for equipment and labor for improperly installed electrical connections not coordinated and approved by other trades and the Engineer shall be incurred by the Electrical Contractor and shall not constitute a reason for an extra charge because of rework.

3.02 CUTTING AND PATCHING
A. Protection of Installed Work: During cutting and patching operations, protect adjacent installations.

3.03 TESTING AND EQUIPMENT SERVICING
A. Entire installation shall be free from improper grounds and short or open circuits. Conductors shall be tested before energizing circuit. Test to insure that entire system is in proper operating condition, and that adjustments and settings of circuit breakers, fuses, control equipment, and apparatus have been made. Correct defects discovered during tests.

3.04 REMOVAL OF DEBRIS
A. Remove surplus materials and debris caused by, or incidental to electrical work. Remove such debris at frequent intervals. Keep job site clean during construction.
3.05 IDENTIFICATION OF EQUIPMENT
   A. Equipment shall be identified in accordance with Section 26.05.53, “Electrical Identification.”

3.06 AS-BUILT DRAWINGS
   A. Maintain one set of blue line electrical prints on site, marked to show as-built conditions and installations, prints to be turned over to Owner after job is complete.

3.07 TEMPORARY LIGHTING AND POWER
   A. Provide, maintain and remove after construction is completed, temporary lighting adequate for workman safety and temporary power for all trades including any 1 phase power required.

3.08 POWER OUTAGES
   A. Coordinate all power outages with Owner and submit for approval, 7 days in advance, a proposed schedule of work indicating extent, number, and length of outages required to perform work. Contractor shall include in bid cost of overtime labor required for power outage to occur after Owner’s normal hours of operation.
   B. The contractor shall obtain a list of personnel, from the owner, to be notified in the event of an outage and request the outage. The owner provided list shall include the personnel that need to be notified depending on the work being performed. The contractor shall notify and receive permission from the all designated personnel related to the specific system being affected.

3.09 OTHER MATERIALS
   A. Work of this Division shall also include those items not specifically mentioned or described, but which are obviously necessary to conform to the design intent, applicable codes and to produce complete electrical system that functions properly. These materials shall be as selected by Contractor but subject to approval of the Engineer.

3.10 OTHER COORDINATION
   A. Contractor shall obtain and pay for all necessary permits and inspection fees required for the electrical installation.
   B. Contractor shall coordinate electrical service requirements with the local electric utility company, and provide any required fee, conduit, transformer pad, metering equipment, etc. that is required.

END OF SECTION
SECTION 27.08.00
COMMISSIONING AND DOCUMENTATION

PART 1 – GENERAL

1.01 DESCRIPTION
A. Providing commissioning and documentation for communications infrastructure as set forth hereinafter that meets the requirements of Hubbell Mission Critical warranty system. The installer shall be Hubbell certified.

1.02 REFERENCE STANDARDS
A. See SECTION 270100 REFERENCE

PART 2 – PRODUCTS

2.01 MATERIALS
A. Products shall be as set forth elsewhere in these specifications.

PART 3 – EXECUTION

3.01 INSTALLATION
A. Warranties
1. ETSU ITS requires all copper installations to have a 25-year warranty. This warranty shall include all types of telecommunications services such as Power over Ethernet (PoE) Voice over IP (VoIP), LAN Security Cameras, Wireless LAN and any future services that meet CAT5e or CAT6 ANSI/TIA/EIA and or IEEE specifications. As part of the equal and equivalent in section 2.3, ETSU ITS has benchmarked the Hubbell’s MISSION CRITICAL® Warranty and System Performance Guarantee Program in determining equal or equivalent. Follow the instructions of ETSU-ITS Appendix D. For further information on the warranty program go to: http://www.hubbell-premise.com/MissionCritical.asp

B. Test Results
1. ETSU ITS requires the newly installed infrastructure to be tested and certified. Follow the Standards of ANSI/TIA/EIA-568-C.1,2,3,4 for testing criteria of the permanent link. See ETSU-ITS Appendix D for approved test equipment to obtain a manufacture warranty. Testing shall commence only after all materials are permanently installed, adjusted, bonded and labeled. Installer must retest and save both the original and retested results when any of the above occurs. Testing shall commence only in a clean environment, free of moisture, dirt, dust and debris. Terminations
2. Follow the manufacturer’s warranty submittals and submit a copy of all results (including CATV, Fiber Optics and Grounding/Bonding) to ETSU ITS before final certification.
3. Test results shall be provided in the following Sections, Format and Order*:
   a. Section 1: Cover sheet clearly indicating project name / number and date of testing.
   b. Section 2: Summary sheet with a single table indicating all ID’s in order, total cable quantity and a pass or fail result for each.
   c. Section 3: Individual sheets for each individual twisted pair cable or optical fiber strand pair in order showing all applicable test results per TIA standards.
4. Note: Test results submitted in any other format will not be accepted.
5. All UTP cable test results must be submitted in their original format from tester. UTP testing and results shall conform to TIA-568C.2 Section 6 for the permanent link.
6. CATV signal loss and attenuation, length, signal leakage report and document on spreadsheet.
7. * UTP cables terminated on a patch panel shall be in order by room number starting with port 1 with lowest room number. Fiber Optics in order of standard color code, single mode first, multi-mode second, CATV in order of room number.
8. Document results, test procedure and methods, wavelengths, equipment used, calibration dates of test equipment and test personnel.
9. Tests must pass manufactures specifications as well as industry standards. Cables with visible defects and deformations such as, kinks, twists or crushed will fail and needs to be replaced regardless of test results.

**OPTICAL FIBER TESTING PARAMETERS**

<table>
<thead>
<tr>
<th>Optical Fiber Type</th>
<th>Testing Method per TIA-508-C.0 (Section 6 and Annex E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode OSP</td>
<td>Tier 1 and Tier 2 testing required:</td>
</tr>
<tr>
<td></td>
<td>- Tier 1: Attenuation measurement for permanent link</td>
</tr>
<tr>
<td></td>
<td>measured with optical loss test set (OLTTS) using</td>
</tr>
<tr>
<td></td>
<td>methods specified by TIA-526-7, method A.1.</td>
</tr>
<tr>
<td></td>
<td>- Tier 2: Additional attenuation measurement with</td>
</tr>
<tr>
<td></td>
<td>optical time domain reflectometer (OTDR) using</td>
</tr>
<tr>
<td></td>
<td>methods specified by TIA-526-7, method B.</td>
</tr>
<tr>
<td>Singlemode ISP</td>
<td>Tier 1 testing required (Tier 2 optional unless</td>
</tr>
<tr>
<td></td>
<td>specified):</td>
</tr>
<tr>
<td></td>
<td>- Tier 1: Attenuation measurement for permanent link</td>
</tr>
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<td>measured with optical loss test set (OLTTS) using</td>
</tr>
<tr>
<td></td>
<td>methods specified by TIA-526-7, method A.1.</td>
</tr>
<tr>
<td>Multimode ISP and</td>
<td>Tier 1 testing required (Tier 2 optional unless</td>
</tr>
<tr>
<td>OSP</td>
<td>specified):</td>
</tr>
<tr>
<td></td>
<td>- Tier 1: Attenuation measurement for permanent link</td>
</tr>
<tr>
<td></td>
<td>measured with optical loss test set (OLTTS) using</td>
</tr>
<tr>
<td></td>
<td>methods specified by TIA-526-14-A, method B.</td>
</tr>
</tbody>
</table>

**OPTICAL FIBER ATTENUATION (LINK LOSS) BUDGETS**

<table>
<thead>
<tr>
<th>Optical Fiber Type or Connection Type</th>
<th>Allowable loss per kilometer at wavelength</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode indoor / (outdoor)</td>
<td>1.0dB @ 1310nm / (0.5dB @ 1310nm)</td>
</tr>
<tr>
<td></td>
<td>1.0dB @ 1550nm / (0.5dB @ 1550nm)</td>
</tr>
<tr>
<td>Multimode ISP and OSP</td>
<td>3.5dB @ 850nm</td>
</tr>
<tr>
<td></td>
<td>1.5dB @ 1300nm</td>
</tr>
<tr>
<td>Connector loss (per mated pair)</td>
<td>0.75dB</td>
</tr>
<tr>
<td>Splice (per each)</td>
<td>0.3dB</td>
</tr>
</tbody>
</table>

*Note: Optical fiber splices shall be measured in accordance with ANSI/TIA-455-78-B for field testing.*

C. As-Built Drawings

1. Close-out documents shall include a copy of as-built drawings on the communications installation. Communications as-built drawings shall include rack layouts and elevations, backbone cabling routing details (to, from, cable type and I.D.), and work area outlet (WAO) locations including WiFi with all labeling and I.D. information provided to ETSU-ITS. Drawings shall be provided in both .dwg/pdf and printed/scaled paper formats.

**END OF SECTION**
SECTION 27.15.00

VOICE AND NETWORK HORIZONTAL CABLEING SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Furnish and install voice and network cabling for the building as indicated on drawings and as called for hereinafter. This specification is for a voice and network cabling system. Products specified hereinafter are Hubbell, Mohawk or Belden cable and Hubbell connectivity including jacks, patch panels, patch cords, and faceplates shall be utilized. The Hubbell products specified hereinafter are utilized as campus standard for ETSU. Any proposed replacement products must meet or exceed the published specifications. Alternates must be verified with ETSU ITS by furnishing proper documentation of specifications verified by an industry-recognized test laboratory (U.L., ETL, ASTM).

B. This standard also establishes performance criteria for various system configurations and their elements.

C. Installer of cabling installation specified herein must be a certified trained installer using ANSI TIA Standards and the current edition of the BICSI TDMM (Telecommunications Distribution Methods Manual, Current Edition) as a guide for installation of inside cabling and associated components. Installer must be Hubbell Certified. Provide written documentation of these qualifications as part of the submittal process.

1.02 CABELING STRUCTURE

A. The elements of a cabling system are listed below:
   1. Horizontal Cabling
   2. Work Area Outlets (WAO)
   3. ER Rooms (See Section 27.11.00)

B. HORIZONTAL CABLEING
   1. Horizontal cabling shall be of star topology, each work area connector shall be terminated in the telecommunications room. The maximum horizontal distance from ER to the WAO shall be 90 meters. When deductions are made for mandatory minimum slack, the cable distance is approximately 85 meters (281 feet).
   2. The amount of untwisting of individual pairs to terminate shall be less than or equal to .5 in. for Category 6.
   3. Minimum bend radius shall be 4 times the cable diameter.

C. REFERENCE STANDARDS
   1. See Section 27.01.00 REFERENCE STANDARDS

D. ADMINISTRATION STANDARD FOR COMMUNICATIONS INFRASTRUCTURE:
   1. Purpose: The purpose of this standard is to provide a uniform administration scheme that is independent of the applications. This standard defines guidelines for contractors involved in the installation of the computer cabling system.
   2. Scope: This standard specifies the administrative requirements of the communications infrastructure within a building or campus.
   3. Areas to be administered are as follows:
      a) Terminations for the communications media
      b) Communications media between terminations
      c) Pathways between terminations
      d) Spaces where terminations are located
      e) Bonding and grounding
   4. Pathway and Space Administration: All spaces must be labeled. Labels should be affixed at the entrance of the space.
5. Wiring System Administration: This section describes the administration of cables, termination hardware, splices and termination position. As changes are made, affected labels, records, drawings and reports shall be updated.
   a) Horizontal and backbone subsystem cables shall be labeled at each end.
      Each termination hardware or label shall be marked with an identifier.
   b) Each termination position label shall be recorded with an identifier.
   c) Each splice closure or label shall be marked with an identifier.
   d) "TMGB" shall be marked on the Telecommunications Main Grounding Busbar.

E. LABELING AND COLOR CODING:
   1. Labels are divided into 3 categories:
      a) Adhesive labels shall meet adhesion, defacement and legibility requirements defined in U.L.
         969. Labels shall also meet exposure requirements in U.L. 969.
      b) Insert labels shall also meet U.L. 969 requirements for defacement, legibility and general
         exposure.
      c) Other labels include special purpose labels, such as tie-on labels.
      d) Labels shall be used instead of marking the cable.
   2. All bar codes shall be either Code 39 or Code 128 confirming to USS-39 and USS-128
      respectively. All Code 39 bar code ratios shall be within 2.5:1 to 3.0:1. If a wand scanner is to be
      used, a minimum quiet zone of 6.35mm is required on each side of the bar code.
   3. Refer to ITS Guidelines, Appendix M

F. COLOR CODING RULES:
   1. Termination labels at the two ends of the cable shall be of the same color.
   2. Cross-connectors made between termination fields are generally of two different colors.
   3. The color orange is used for the demarcation point.
   4. Green is for the network connections on the customer side of the demarcation point.
   5. Purple is for the termination of cables originating from common equipment.
   6. White is for the first level backbone media.
   7. Gray is for the second level backbone.
   8. Blue is for the termination of station telecommunicators media.
   9. Brown is for inter-building backbone cable terminations.
   10. Yellow is for termination of auxiliary circuits, alarms, security, and other miscellaneous circuits.

G. DIFFERENTIATION OF TERMINATION FIELDS BY PERFORMANCE CATEGORY
   1. If cables are of different performance classes, their ends should indicate the difference. The labels
      shall be marked with the proper category of the cable.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Wall-Station Jacks:
   1. Network: Hubbell Speedgain, orange, HXJ6OR.
   2. Network Icon: Hubbell IR100C.
   3. Voice: Hubbell Speedgain, white, HXJ6W.
   4. Voice Icon: Hubbell IGY100T.

B. Wall-Station Faceplates: Wall station faceplates in office areas shall be Hubbell AFPI4E1 Series with
four port angled plate, color to match electrical outlets. All unused ports shall be provided with blank
inserts, Hubbell SFBE10 Series. Provide blank inserts as required.

C. Equipment Racks: See Section 27.11.10.

D. ER Cable Tray: See Section 27.11.10.

E. Voice and network horizontal cabling: Cabling shall be as specified in ITS Guidelines, Appendix A. All
network cable shall have blue outer insulation. All voice cable shall have white outer insulation. Leave
8" of slack for each termination at wall outlet location. Leave one meter (3.28') slack at the end of each

CONSTRUCTION DOCUMENTS PACKAGE
Revised: 24-NOV-15
conduit run. Cable slack shall not be stored in bundled loops. Cable slack shall be stored in an extended loop or in a Figure 8 configuration. Provide two data cables to each communications outlet illustrated on the drawings, unless noted otherwise.

F. Patch Cords: Provide 6' grey patch cords to the ETSU ITS department. The patch cords shall be Hubbell model number PSX6GY. Provide one cable per patch panel port.

G. Backbone Voice Cable: Provide 50 twisted pair Cat 3 UTP riser as indicated on drawings. Backbone voice cable shall be terminated on plywood with 110, 5-pair blocks. Provide 110 troughs between backbone and horizontal 110 blocks. Use Mohawk M58522.

H. Backbone Fiber Optic Riser Cable: Single Mode – Corning MIC DX Armored Cable OS2 XXXE81-33131-DI (yellow); Multimode (50um) - Corning MIC DX Armored Cable OM3 XXXT81-33180-DI (aqua); Multimode (62.5um) Corning MIC DX Armored Cable OM1 XXXK81-31160-DI (orange); XXX=strand count. All fiber shall be terminated in fiber hubs per ETUS ITS standards.

I. Firestopping: Hilti CP-618 putty shall be installed inside the conduits and FS One or CP-653 re-entry sleeve shall be used outside and around the conduits.

PART 3 - EXECUTION

3.01 INTERIOR BUILDING INSTALLATION:

A. Installation of all voice and network wiring facilities shall be by personnel regularly engaged in the installation of local area network cabling.

B. All wiring shall be color coded and terminated. All cabling shall be Cat 6 terminated to T568A wiring scheme. All network cabling shall have blue outer insulation. All voice cabling shall have white outer insulation.

C. Submit shop drawings for approval.

D. Testing shall conform to ANSI/TIA-568-B.1 standard. Testing shall be accomplished using a Hubbell approved tester. Include tester calibration date. Refer to ITS DESP for Commissioning, Warranties, and Documentation.

E. All testing shall meet or exceed manufacturer's recommendation for 25-year warranty program.

F. Test each pair and shield of each cable for opens, shorts, grounds, and pair reversal. Correct grounded and reversed pairs. If horizontal cable contains bad conductors or shield, remove and replace cable. Cable shall have no visible defects such as twist, kinks, and dents.

G. During installation of cabling, the bend radius of cables is not to be less than the manufacturer's specific recommendation. Minimum bend radius shall be 10 times the diameter of the cable for fiber optic cable, and 4 times the diameter of the cable for copper cable. Contractor shall take and precaution not to exceed maximum tensile rating of cabling during installation.

H. Each horizontal cabling run shall include 10' of slack at telecommunications room end and 8' of slack at the outlet end. There shall also be one meter (3.28') of slack above each wall outlet. Station cables in the telecommunications rooms can be stored in a "Figure 8" configuration to maintain the proper bend radius and provide the needed slack.

I. Labeling of cables, wall outlets, 110 blocks, conduits, cable trays, patch panels, and backbone cabling shall be performed in accordance with requirements of the ETSU ITS Department.

J. Building Automation System (BAS) Connection: Cabling connecting BAS to the ETSU ITS network must follow the standards set forth in ANSI/TIA 862.

END OF SECTION
REQUEST FOR GMP PROPOSAL

For Project: New Football Stadium for East Tennessee State University
SBC No. 166/005-02-2013
Bid Package No. 2 – Rough Grading and Early Utilities

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