

**EDUCATION SERVICE CENTER REGION 19
RFP AWARD SUMMARY**

RFP TITLE: Structured Cabling and Related Services- ESC Region 19 Purchasing Cooperative
RFP NUMBER: 11-6607
RFP OPENING DATE: October 7, 2010
CONTRACT TERM: Date of award until October 31, 2011 with the option to extend in 12 month increments not to exceed 36 months in the aggregate
(Extended by Region 19 until October 31, 2012 on September 7, 2011)
(Extended by Region 19 until October 31, 2013 on September 25, 2012)
FUNDING SOURCE: Various
RFP's ISSUED: 18
RESPONSES: 6
ADVERTISEMENT DATES: September 22nd & 29th, 2010
BOARD MEETING DATE: December 16, 2010

RECOMMENDED FOR AWARD **AC & J Communications, Inc. dba Metro-Com**
Desert Communications, Inc.
GovConnection, Inc.
Trans-American Communications, Inc. (HUB)

TOTAL (estimated) \$4,000,000

EXPLANATIONS:

Award of this contract will enable ESC Region 19 Purchasing Cooperative members and ESC Region 19 to utilize the structured cabling and related goods and services when required during the contract period. Reference checks were performed on all proposal submissions. Input was received on service, response time, quality of workmanship, payment, performance, and bonding limits company is qualified for and overall pricing. Vendors who did not receive an 8.5 or higher out of a possible 10 points were not considered. Plan B networks and Communication Experts Inc. did not have a required Registered Communications Distribution Designer (RCDD) as per the conditions of the contract, therefore those proposals was not considered for award.

SPECIFICATIONS PROVIDED BY:

Royce Cleveland
ESC Region 19

EVALUATION COMMITTEE:

Royce Cleveland
ESC Region 19

Martin Camacho
ESC Region 19 Purchasing

Nancy Alvarado
ESC Region 19 Purchasing

Louie Mora
ESC Region 19 Technology

ORDER INFORMATION

Desert Communications, Inc.

Attn: Sid Irwin
7100 Westwind Drive, Suite. 300
El Paso, TX 79912-1743
915-584-1287 / 800-538-3436
Fax: 915-581-7697
www.descominc.com / sid@descominc.com

AC & J dba Metro-Com

Attn: Charles Smith
9213 Vicksburg
El Paso, TX 79924-7426
915-751-0584 / cell- 915-526-9240
Fax: 915-751-0584
www.METROEP.com / cwsmith@elp.rr.com

GovConnection, Inc.

Attn: Kris Tapia
732 Milford Road
Merrimack, NH 03054
915-525-9547 / 800-800-0019
Fax: 603-683-1208
www.govconnection.com / ktapia@govconnection.com

Trans-American Communications, Inc.

Attn: Yolanda Cloud
9200 Mayflower Avenue
El Paso, TX 79925-1026
915-593-3500
Fax: 915-595-0187
www.transminc.com / cloudy@transaminc.com

Education Service Center- Region 19

CERTIFICATION REGARDING TEXAS FAMILY CODE

As per Section 14.52 of the Texas Family Code, added by S.B. 84, Acts, 73rd Legislature, R.S. (1993), all bidders must complete and submit with the bid the following affidavit:

I, the undersigned vendor, do hereby acknowledge that NO sole proprietor, partner, majority shareholder of a corporation, or an owner of 10% or more of another business entity is 30 days or more delinquent in paying child support under a court order or a written repayment agreement. I understand that under this code, a sole proprietorship, partnership, corporation or other entity in which a sole proprietor, partner, majority shareholder or a corporation, or an owner of 10% or more of another entity is 30 days or more delinquent in paying child support under a court order or a written repayment agreement is NOT eligible to bid or receive a state contract.

APPLICABLE TO GRANTS, SUBGRANTS, COOPERATIVE AGREEMENTS, AND CONTRACTS EXCEEDING \$100,000 IN FEDERAL FUNDS.

Submission of this certification is a prerequisite for making or entering into this transaction and is imposed by section 1352, Title 31, U.S. Code. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Any person who fails to file the required certification shall be subject to civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The undersigned certifies, to the best of his/her knowledge and belief, that:

No Federal appropriated funds have been paid or will be paid or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.

If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "disclosure Form to Report Lobbying", in accordance with its instructions.

The undersigned shall require that the language of this certification be included in the award documents for all covered sub awards exceeding \$100,000 in Federal funds at all appropriate tiers and that all sub recipients shall certify and disclose accordingly.

COMPLIANCE CERTIFICATION TO EPA REGULATIONS APPLICABLE TO GRANTS, SUBGRANTS, COOPERATIVE AGREEMENTS, AND CONTRACTS EXCEEDING \$100,000 IN FEDERAL FUNDS.

I, the vendor, am in compliance with all applicable standards, orders or regulations issued pursuant to the Clean Air Act of 1970, as amended (42 U.S.C. 1857(h)), Section 508 of the Clean Water Act, as amended (33 U.S.C. 1368), Executive Order 117389 and Environmental Protection Agency Regulation, 40 CFR Part 15 as required under OMB Circular A-102, Attachment O, Paragraph 14(l) regarding reporting violations to the grantor agency and to the United States Environment Protection Agency Assistant Administrator for the Enforcement.

Education Service Center- Region 19

BACKGROUND CHECK AGREEMENT

As an outside contractor doing business with ESC-Region 19, Head Start, and Region 19 purchasing cooperative members, depending on the contract, Region 19 shall have the authority under this contract to obtain criminal history record information on any person employed by the outside contractor awarded a Region 19 contract. As per Senate Bill 9 which went into effect on January 1, 2008, all vendors and/or contractors receiving an award will submit immediately upon award notification the proper forms to the Texas Department of Public Safety and submit any persons under their employment who would ever be on school district premises during the contract period to a fingerprint background check with the cost being paid for by the awarded vendor or contractor. If the person employed by the contractor is found to have been convicted of any felony or misdemeanor involving moral turpitude, that person shall not be allowed to participate in any services provided to Region 19 or its Purchasing Cooperative members. Any information shall not be disclosed to anyone who is the subject of the information other than the Texas Education Agency, the State Board of Educator Certification, or the chief personnel officer of the public or commercial company that Region 19 would contract with for goods and services, as appropriate. The documentation received back by the vendor/ contractor will be submitted to the Region 19 Purchasing Cooperative for each employee who SB 9 would apply to with the understanding that this same documentation can be provided to other public schools in Texas for which a contract has been awarded to that vendor. In other words, the cost will only be a one time fee per employee and documentation can be copied and duplicated for other contracts where SB 9 compliance is mandatory.

Signature of Company Officer indicates agreement with above statement ON FILE

VENDOR ACKNOWLEDGMENT FORM

ITEMS CHECK LIST:

	YES	NO
Used ESC Region 19 Forms	<input type="checkbox"/>	<input type="checkbox"/>
Bid Price firm for stated periods in this RFP	<input type="checkbox"/>	<input type="checkbox"/>
Acknowledgment Form shows full name and address Of Bidder. (Email addresses/ web site included)	<input type="checkbox"/>	<input type="checkbox"/>
Acknowledgment Form signed by authorized representative.	<input type="checkbox"/>	<input type="checkbox"/>
Literature submitted is the most current reflecting Item being bid.	<input type="checkbox"/>	<input type="checkbox"/>
I/We understand ESC Region 19 reserves the Right to increase Cooperative Member participation during the contract period	<input type="checkbox"/>	<input type="checkbox"/>
I/We have read, understand and acknowledge Non-Collusion, Debarment, Lobbying and EPA statements.	<input type="checkbox"/>	<input type="checkbox"/>
I/We have read, understand and acknowledge Bidder Preference and Texas Family Code Certifications, Felony Conviction Notification.	<input type="checkbox"/>	<input type="checkbox"/>
Vendor agrees to all aspects of "Special Conditions"	<input type="checkbox"/>	<input type="checkbox"/>
I/We have read, understand, and agree to provide all required Information regarding criminal background checks	<input type="checkbox"/>	<input type="checkbox"/>
Vendor has read and agrees to Lobbying conditions	<input type="checkbox"/>	<input type="checkbox"/>

HISTORICALLY UNDERUTILIZED BUSINESS (HUB) QUESTIONNAIRE

Is vendor a Certified HUB? Yes ___ No ___

If yes, please provide certificate and number:

Is vendor a minority or women owned business that could qualify to be a HUB? Yes ___ No ___

If yes, would vendor like additional information to become a certified HUB? Yes ___ No ___

If so, please provide name and contact for sending information.

RFP #11-6607

Date: _____

STRUCTURED CABLING SERVICES

General Conditions & Considerations

This Educational Specification details requirements for a structured cable system that will be installed during construction of any new networking facilities of the ESC Region 19 Purchasing Cooperative. Because it is much simpler and more cost effective to install cabling during the construction phase, the cabling system described in this is intended to be robust enough to handle all reasonable future requirements for a telecommunications wiring system at a qualifying ESC Region 19 Purchasing Cooperative member's facilities.

An ideal structured campus-wide cabling system will be capable of carrying video and voice traffic, as well as traditional data, to all user work areas, such as Administrative offices, classrooms, computer labs, media centers, libraries and teacher work areas. New technologies will integrate between data, voice, and video, and the cabling system must be robust and flexible to accommodate the applications.

This specification is based on industry standards from organizations such as the EIA (Electronic Industries Alliance), TIA (Telecommunications Industries Association), ANSI (American National Standards Institute) and others. The purpose is to insure that structured cabling installed in ESC Region 19 Purchasing Cooperative member facilities will provide required flexibility and reliability for as long as possible. To achieve this goal, this document must be read, understood, and followed by everyone connected with the design and construction of the network cable system.

ANSI/TIA/EIA-568-B and Related Specifications:

The ANSI/TIA/EIA has produced a family of specifications known as the TIA/EIA Telecommunications Building Wiring Standards. As of March 2002, these standards were found in 11 closely related documents:

TIA/EIA-526-7 - Measurement of Optical Power Loss of Installed single-Mode Fiber Cable Plant – OFSTP-7 (August 1998)

TIA/EIA-526-14 - Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant – OFSTP-14 (August 1998)

TIA/EIA-568-B.1 - Commercial Building Telecommunications Cabling Standard Part 1: General Requirements (May 2001)

TIA/EIA-568-B.2 - Commercial Building Telecommunications Cabling Standard Part 2: Balanced twisted-Pair Cabling Components (May 2001)

TIA/EIA-568-B.3 - Optical Fiber Cabling Components Standard (April 2000)

TIA/EIA-569-B - Commercial Building Standard for Telecommunications Pathways and Spaces (April 2000)

TIA/EIA-570-A - Residential Telecommunications Wiring Standard (October 1999)

TIA/EIA-578 - Customer-Owned Outside Plant Telecommunications Cabling Standard (April 1999)

TIA/EIA-598 - Optical Fiber Cable Color Coding (May 1995)

TIA/EIA-606 - The Administration Standard for the Telecommunications Infrastructure of Commercial Buildings (February 1993)

TIA/EIA-607 - Commercial Building Grounding and Bonding Requirements for Telecommunications (August 1994).

The new versions of the standard replace and supersede the ANSI/TIA/EIA-568-A Commercial Building Telecommunications Cabling Standard (October, 1995).

The new versions incorporate and refine the technical content of:

TIA/EIA TSB67 - Transmission Performance Specifications for Field-testing of Unshielded Twisted-Pair Cabling Systems

TIA/EIA TSB72 - Centralized Optical Fiber Cabling

TIA/EIA TSB75 - Additional Horizontal Cabling Practices for Open Offices

TIA/EIA TSB95 - Additional Transmission Performance Guidelines for 4-pair 100Ohm Category 5 Cabling

ANSI/TIA/EIA-568-A-1 - Propagation Delay and Delay Skew Specifications for 100-Ohm 4-Pair Cable

ANSI/TIA/EIA-568-A-2 - Corrections and Additions to TIA/EIA-568-A

ANSI/TIA/EIA-568-A-3 - Addendum No. 3 to TIA/EIA-568-A
ANSI/TIA/EIA-568-A-4 - Production Modular Cord NEXT Loss Test Method and Requirements for Unshielded Twisted-Pair Cabling
ANSI/TIA/EIA-568-A-5 - Transmission Performance Specifications for 4-Pair 100-Ohm Category 6 Cabling
TIA/EIA/IS-729 - Technical Specifications for 100 Ohm Screened Twisted-pair Cabling

These standards are designed to support a multiproduct, multivendor environment and have a target lifetime of ten years. Unless a specific exception is described, it is imperative that all TIA/EIA Telecommunications Building Wiring Standards be followed. In some cases, Region 19 Purchasing Cooperative's requirements will be more stringent than the TIA/EIA specification. This will mention some of the TIA/EIA requirements that are of special significance, with the understanding that the absence of a specific reference in this Educational Specification does not imply that any portion of the TIA/EIA Telecommunications Building Wiring Standards are optional. Additionally, it is the responsibility of the contractor to stay current with all ANSI/TIA/EIA codes and standards and to adopt best practices as the codes and standards are revised. TIA/EIA Telecommunications Building Wiring Standards contain references to national and international standards; the following documents provide additional information that will be useful to the cable design/installation team.

Building Industry Consulting Service International (BICSI) - *Telecommunications*
Distribution Methods Manual (TDMM) - Ninth Edition

National Fire Protection Agency (NFPA) - 70, *National Electrical Code (NEC)* –
2002

National Electrical Safety Code (NESC) (IEEE C 2)

National Electrical Code (NEC) (NFPA 70)

If this document and any of the documents listed above are in conflict, then, as a general principle, the more stringent requirement shall apply. However, in all cases where there appears to be conflict or a specification is not clear to the contractor, the ESC Region 19 technology staff must be contacted for clarification.

Contractor Responsibilities

A contractor certified BICSI RCDD is required to design and supervise all aspects of the Structured Cabling System installed for the purposes of this ESC Region 19 bid. Certifications for on-staff RCDD's are required with the submission of contractor bid response.

The contractor is required to furnish all labor, supervision, tooling, materials and miscellaneous mounting hardware and consumables for the cabling system installed. The contractor will perform all terminations and connections.

The contractor shall maintain current status as a Commscope or Siemon Certified Installer which includes both Design and Installation (D&I) certificates, including all training requirements, for the duration of the contract. In those instances where the vendor cannot provide these certifications, a qualification statement must be included with the proposal response for award consideration.

All technicians installing must maintain current status as a Commscope or Siemon cable installer for the duration of the project. Documentation must be submitted to the Region 19 technical staff for each contractor technician before contractor is allowed to begin work. In those instances where the vendor cannot provide these certifications, a qualification statement must be included with the proposal response for award consideration.

The cabling system shall be backed by a **minimum 16-year Performance Warranty**. The performance warranty shall be facilitated by the Contractor and be established between the manufacturer and the ESC Region 19 Purchasing Cooperative member. The Contractor shall staff each installation crew with the appropriate number of trained personnel, in accordance with their manufacturer's D&I contract agreement, to support the Performance Warranty requirements.

After installation, the Contractor shall submit all documentation to support the warranty requirements in accordance with the warranty requirements, and to apply for said warranty on behalf of the ESC Region 19 Purchasing Cooperative member. The warranty will cover the components and labor associated with the repair/replacement of any defective link within the warranty period, when the defect is a valid warranty claim.

Meetings shall be held with representatives of the ESC Region 19 Purchasing Cooperative member, Facilities Engineering, the architects, city and county building inspectors and contractors prior to the start of construction, and at appropriate points in the project. Arrangements should be made for all applicable building and wiring permits from local agencies.

Specification of Criteria

The following is paraphrased from ANSI/TIA/EIA-568-B.1 section 1.2:

"Two categories of criteria, mandatory and advisory, are specified. The mandatory requirements are designated by the word "shall"; advisory requirements are designated by the word "should", "may", or "desirable" (which are used interchangeably)"

This adopts the same conventions.

This specification applies to any construction that involves administrative offices, classrooms, libraries, or any construction at a campus where people will need access to data via a network. Examples include the construction of a new school, the remodeling of an existing building, or the construction of a new building at a school, such as a new library.

Warranties and other Contractor Requirements

A contractor certified BICSI RCDD is required to design and supervise all aspects of the Structured Cabling System installed as it relates to this ESC Region 19 procurement contract. **In those instances where the vendor cannot provide these certifications, a qualification statement must be included with the proposal response for award consideration.**

A contractor certified as a "Commscope or Siemon Certified Installer" contractor will perform all terminations. In those instances where the vendor cannot provide these certifications, a qualification statement must be included with the proposal response for award consideration.

A contractor customer reference list of Structured Cabling Systems installed equal or greater than the size and scope of the average school district in the State of Texas.

Any products damaged or exceeding recommended installation parameters during installation shall be replaced by the contractor prior to final acceptance at no cost to ESC Region 19 Purchasing Cooperative members.

All cables shall be tested in accordance with this document, the ND&I Contract agreement, and best industry practices. If any of these are in conflict, the Contractor shall be responsible to bring any discrepancies to the attention of the project team for clarification and/or resolution.

Installation and Structured Cabling System Warranty

The contractor shall provide a *company* Structured Cabling System warranty covering the installed cabling system against defects in workmanship, components, and performance, and follow-on support after project completion for a period of one (1) year.

The Contractor shall facilitate the minimum 16-year Performance Warranty between the *manufacturer* and the ESC Region 19 Purchasing Cooperative member. The Performance Warranty shall warrant all portions and components of the cabling system. Copper links shall be warranted against the link performance minimum expected results defined in TIA/EIA-568-B. Fiber optic links shall be warranted against the TIA/EIA-526 link and segment performance minimum expected results. This warranty shall be provided at no additional cost to the ESC Region 19 Purchasing Cooperative member.

Quantified Statement of Work:

The above mentioned Manufacturer requirements, Industry ANSI/TIA/EIA, codes and standards will be ***strictly enforced*** to govern all work performed under this procurement contract. The following information and chart provides contractors with the quantities and general standards that will be necessary to provide pricing for this procurement contract. **In those instances where the vendor cannot provide this, a qualification statement must be included with the proposal response for award consideration.**

Cabinets to be used will be 6 foot for an MC, 4 foot for an IC and 2 foot for a HC.

Fiber backbones will consist of 12 strand for MC to IC connectivity, 6 strand for portable connectivity and 4 strand for HC connectivity, 50 micron, fiber and terminated with LC connectors to connect the appropriate cabling closets. Average backbone length is estimated to be 400'.

All pathways, bonding and grounding, coring, fire-stop material, old cable removal, patch cables (fiber and copper), as built drawings, test results and cut sheets are to be included in the price for each school.

Installation of each MC will consist of the following:

Furnish and install Main Cross Connect (M.C.) that all data connections may be cross connected from. This M.C. will be furnished and installed as per the all ANSI/TIA/EIA Specifications and will contain a minimum of the following:

4' x 8' x .75" Virgin Plywood backboard that has been fire retardant treated at least 3 times with an approved treatment and firmly attached to the wall.

7' x 19" communications rack firmly anchored to floor; or, 6 ft. or 7 ft. cabinet securely mounted on to the wall / 3/4" plywood.

Ladder tray/stabilizer firmly attached to wall and proceeding up wall into ceiling and 'water fall' exits into the vertical wire managers for a complete cabling pathway for distribution; Or, an appropriate sized EMT conduit from the cabinet into the ceiling space for a complete cabling pathway for distribution.

Ceiling interface with ladder tray to give a good aesthetic appearance and protection of cabling.

Grounding and bonding to existing TMGB, or the installation of a new TIA/EIA 607 Grounding and Bonding System.

48 Port Modular Patch Panels labeled for Data.

Wall mounted 100pr 110 labeled for Voice.

72 port rack mounted light-guide interface unit loaded with LC loads.

(1) 2-RMU Wire Manager for every 48 port patch panel.

(2) Double-sided full vertical wire managers for floor mount rack.

(qty) LC to XX 3meter 50 micron multi-mode fiber patch cables.

(qty) 1 and 3 meter category 6 data patch cables for each data drop.

Installation of each IC will consist of the following:

Furnish and install an Intermediate Cross Connect listed as (IC # __) located in the Telecommunications Closet (Room __) located in the computer storage area that all data connections may be cross connected from. This I.C. will be furnished and installed as per the Specification Document and will contain the following:

4' x 8' x .75" or (1) 4' x 4' x .75" Virgin Plywood backboard that has been fire retardant treated at least 3 times with an approved treatment and firmly attached to the wall.

3' to 7' wall mount cabinet, as per the specifications, securely mounted on to the wall / 3/4" plywood.

Appropriate sized EMT conduit from the cabinet into the ceiling space for a complete cabling pathway for distribution.

Ceiling interface with ladder tray to give a good aesthetic appearance and protection of cabling.

Grounding and bonding to existing TMGB, or the installation of a new TIA/EIA 607 Grounding and Bonding System.

48 Port Modular Patch Panels labeled for Data.

(1) 2-RMU Wire Manager for every 48 port patch panel.

(2) 1-RMU Wire Manager for every 48 port patch panel.

100pr Wall Mounted 110 block labeled for Voice.

24 port rack mounted light-guide interface unit loaded with LC loads.

(qty) LC to XX 3meter multi-mode fiber patch cables.

(qty) 1 and/or 3meter enhanced category 6 data patch cables.

Installation of each Portable IC and Portable Cluster will consist of the following:

Portable clusters will not exceed the ratio of one (1) portable IC's per group of six (6) portables.

Portables are to be constructed and priced in a three fold manner – The interior cabling of the portable; the portable to portable connection; The backbone cable from the main building to the portable IC.

The interior cabling of the portable will require the installation of a 26" x 26" shallow wall mount enclosure onto a 3/4" fire-treated plywood backboard and a patch panel. A complete grounding and bonding system will be required to be installed by connecting to the existing portable ground rod with a #6 stranded copper wire within conduit and providing a telecommunications grounding bus bar. One data cable drop will be installed from the enclosure to the opposite end of the portable into a wall outlet jack either by dropping the wall or by installing surface mount raceway.

The portable to portable connection will consist of two (2), Category 6 backbone cables (one for data and one for voice) from the portable IC to the portable to be cabled. The data backbone cable will terminate onto a patch panel within the portable IC and terminate onto a patch panel within the portable enclosure. The voice backbone cable will terminate onto a 110 block at the portable IC, and will terminate into a wall outlet jack at the portable to be cabled. Both the data and the voice cables will have primary protection at both ends. Pathway for cable distribution will be aerial and shall be part of the requirements within this scope. Primary protection equipment shall be installed at both ends of all outdoor copper cabling.

The backbone cabling will include a 6-strand 50 micron fiber cable with LC connectors at both ends, a Cat 3 voice cable with primary protection at both ends and termination onto wall mount 110 blocks at both ends, and will be homerun from the (new) portable IC to the nearest building IC. All components necessary to complete the installation shall be included. Pathway from the main building to the portable IC shall be either underground and/or aerial and shall be part of the requirements within this scope.

Other conditions applicable to this contract:

Any work to be performed as a result of this contract award should require a payment bond by the cooperative member requesting the services if the amount of the work will exceed \$50,000 in materials and a performance bond if the purchase order exceeds \$100,000. The cost will be itemized on the price quote when this is applicable so that the purchasing member will know the full cost of the proposed project.

REQUIRED INFORMATION FOR AWARD CONSIDERATION

▶ Number of years company has been in business for structured cabling and related services?

Desert Communications- 14 years

GovConnection, Inc.- 15 years

Metro- Com- 18 years

Trans-American Communications- 28 years

▶ Number of full time employees (not contracted or temps) on the payroll?

Desert Communications- 48

GovConnection, Inc.- 197 (7 full time in El Paso)

Metro- Com- 3

Trans-American Communications- 15

▶ Number of service vehicles used exclusively for work?

Desert Communications- 12 in El Paso

GovConnection, Inc. - 4 in El Paso

Metro- Com- 3 in El Paso

Trans-American Communications- 10 in El Paso

▶ Provide business name, contact person, phone number, and email address of the 3 largest accounts your company has done business with over the last 12 months; details provided should include the dollar amount along with an overview description of work performed along with the time to complete the work. If additional space is required, please submit on letterhead additional information. These references will be verified and are a part of the award criteria:

All reference check results on file;

Desert Communications- 9.6 out of 10

GovConnection, Inc.- 8.6 out of 10

Metro- Com- 9.6 out of 10

Trans-American Communications- 9 out of 10

▶ Guaranteed response time for return of phone calls or email requests for information?

Desert Communications- 4 hours

GovConnection, Inc.- 4 hours

Metro- Com- 24 hours

Trans-American Communications- 24 hours

▶ Guaranteed response time for on-site consultation by qualified personnel based on needs of ESC Region 19 Purchasing Cooperative members?

Desert Communications- 24 hours (1 business day)

GovConnection, Inc. - 5 business days

Metro- Com- 24 hours (1 business day)

Trans-American Communications- less than 24 hours (1 business day)

▶ Provide payment, performance, and bonding limits your company is qualified for?

Desert Communications- \$ 1,000,000.00

GovConnection, Inc. – Single \$ 2,500,000.00 / Aggregate \$ 5,000,000.00

Metro- Com- Single 2,000,000.00 / Aggregate \$ 4,000,000.00

Trans-American Communications- \$ 500,000.00

REQUIRED INFORMATION FOR AWARD CONSIDERATION

► Provide the name of all individuals who would be performing services under this contract along with all licenses, certifications, education, and relevant credentials/ experience in the space provided:

All required certifications reviewed and on file; contact ESC Region 19 Purchasing for copies; all vendors recommended hold RCDD Certified.

► Provide all current manufacturer certifications with your company:

Desert Communications- Panduit Certified Installer, Commscope Business Partner, Siemon approved installer,

GovConnection, Inc.- Siemon Certified Installer, Mohawk Certified Installer, Panduit Certified installer, AMP Certified installer, and Cisco Gold Partner

Metro- Com- IBDN Certified Installer, Tyco Certified, Hellermann Tyton Certified installer, Beldon Certified installer, NORDX/CDT certified

Trans-American Communications- Siemon, Ortronics, and Leviton Certified Installer

Compliance with the American Recovery and Reinvestment Act of 2009.
(when federal stimulus funding is tied to any projects strict adherence of this Act is required and will be audited)

Subpart 25.6—American Recovery and Reinvestment Act—Buy American Act— Construction Materials

25.600 Scope of subpart.

This subpart implements section 1605 in Division A of the American Recovery and Reinvestment Act of 2009 (Pub. L. 111-5) (Recovery Act) and the Buy American Act. It applies to construction projects that use funds appropriated or otherwise provided by the Recovery Act.

25.601 Definitions.

As used in this subpart—

“Domestic construction material” means—

- (1) An unmanufactured construction material mined or produced in the United States; or
- (2) A construction material manufactured in the United States.

“Foreign construction material” means a construction material other than a domestic construction material.

“Manufactured construction material” means any construction material that is not unmanufactured construction material.

“Recovery Act designated country” means a World Trade Organization Government Procurement Agreement country, a Free Trade Agreement country, or a least developed country.

“Steel” means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.

“Unmanufactured construction material” means raw material brought to the construction site for incorporation into the building or work that has not been—

(1) Processed into a specific form and shape; or

(2) Combined with other raw material to create a material that has different properties than the properties of the individual raw materials.

25.602 Policy.

Except as provided in [25.603](#)—

(a) None of the funds appropriated or otherwise made available by the Recovery Act may be used for a project for the construction, alteration, maintenance, or repair of a public building or public work (as defined at [22.401](#)) unless—

(1) The public building or public work is located in the United States; and

(2) All of the iron, steel, and other manufactured goods used as construction material in the project are produced or manufactured in the United States.

(i) Production in the United States of the iron or steel used as construction material requires that all manufacturing processes must take place in the United States, except metallurgical processes involving refinement of steel additives. These requirements do not apply to steel or iron used as components or subcomponents of other manufactured construction material.

(ii) There is no requirement with regard to the origin of components or subcomponents in other manufactured construction material, as long as the manufacture of the construction material occurs in the United States.

(b) Use only domestic unmanufactured construction material, as required by the Buy American Act.

25.603 Exceptions.

(a) When one of the following exceptions applies, the contracting officer may allow the contractor to incorporate foreign construction materials without regard to the restrictions of section 1605 of the Recovery Act or the Buy American Act:

(1) *Nonavailability.* The head of the contracting activity may determine that a particular construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality. The determinations of nonavailability of the articles listed at [25.104\(a\)](#) and the procedures at [25.103\(b\)\(1\)](#) also apply if any of those articles are acquired as construction materials.

(2) *Unreasonable cost.* The contracting officer concludes that the cost of domestic construction material is unreasonable in accordance with [25.605](#).

(3) *Inconsistent with public interest.* The head of the agency may determine that application of the restrictions of section 1605 of the Recovery Act or the Buy American Act to a particular construction material would be inconsistent with the public interest.

(b) *Determinations.* When a determination is made, for any of the reasons stated in this section, that certain foreign construction materials may be used—

(1) The contracting officer shall list the excepted materials in the contract; and

(2) The head of the agency shall publish a notice in the Federal Register within two weeks after the determination is made, unless the construction material has already been determined in the FAR to be domestically nonavailable (see list at [25.104](#)). The notice shall include—

(i) The title “Buy American Exception under the American Recovery and Reinvestment Act of 2009”;

(ii) The dollar value and brief description of the project; and

(iii) A detailed justification as to why the restriction is being waived.

(c) Acquisitions under trade agreements.

(1) For construction contracts with an estimated acquisition value of \$7,443,000 or more, also see [Subpart 25.4](#). Offers of products determined to be eligible products per [Subpart 25.4](#) shall receive equal consideration with domestic offers per [Subpart 25.4](#).

(2) For purposes of the Recovery Act, designated countries do not include the Caribbean Basin Countries.

25.604 Preaward determination concerning the inapplicability of section 1605 of the Recovery Act or the Buy American Act.

(a) For any acquisition, an offeror may request from the contracting officer a determination concerning the inapplicability of section 1605 of the Recovery Act or the Buy American Act for specifically identified construction materials. The time for submitting the request is specified in the solicitation in paragraph (b) of either [52.225-22](#) or [52.225-24](#), whichever applies. The information and supporting data that must be included in the request are also specified in the solicitation in paragraphs (c) and (d) of either [52.225-21](#) or [52.225-23](#), whichever applies.

(b) Before award, the contracting officer must evaluate all requests based on the information provided and may supplement this information with other readily available information.

(c) Determination based on unreasonable cost of domestic construction material.

(1) *Iron, steel, and other manufactured construction material.* The contracting officer must compare the offered price of the contract using foreign manufactured construction material to the estimated price if all domestic manufactured construction material were used. If use of domestic manufactured construction material would increase the overall offered price of the contract by more than 25 percent,

then the contracting officer shall determine that the cost of the domestic manufactured construction material is unreasonable.

(2) *Unmanufactured construction material.* The contracting officer must compare the cost of each foreign unmanufactured construction material to the cost of domestic unmanufactured construction material. If the cost of the domestic unmanufactured construction material exceeds the cost of the foreign unmanufactured construction material by more than 6 percent, then the contracting officer shall determine that the cost of the unmanufactured construction material is unreasonable.

25.605 Evaluating offers of foreign construction material.

(a) If the contracting officer has determined that an exception applies because the cost of certain domestic construction material is unreasonable, in accordance with section [25.604](#), then the contracting officer shall apply evaluation factors to the offer incorporating the use of such foreign construction material as follows:

(1) Use an evaluation factor of 25 percent, applied to the total offered price of the contract, if foreign iron, steel, or other manufactured goods are incorporated in the offer as construction material based on an exception for unreasonable cost requested by the offeror.

(2) In addition, use an evaluation factor of 6 percent applied to the cost of foreign unmanufactured construction material incorporated in the offer based on an exception for unreasonable cost requested by the offeror.

(3) Total evaluated price = offered price + (.25 x offered price, if (a)(1) applies) + (.06 x cost of foreign unmanufactured construction material, if (a)(2) applies).

(b) If two or more offers are equal in price, the contracting officer must give preference to an offer that does not include foreign construction material excepted at the request of the offeror on the basis of unreasonable cost.

(c) Offerors also may submit alternate offers based on use of equivalent domestic construction material to avoid possible rejection of the entire offer if the Government determines that an exception permitting use of a particular foreign construction material does not apply.

(d) If the contracting officer awards a contract to an offeror that proposed foreign construction material not listed in the applicable clause in the solicitation (paragraph (b)(3) of [52.225-21](#), or paragraph (b)(3) of [52.225-23](#)), the contracting officer must add the excepted materials to the list in the contract clause.

25.606 Postaward determinations.

(a) If a contractor requests a determination regarding the inapplicability of section 1605 of the Recovery Act or the Buy American Act after contract award, the contractor must explain why it could not request the determination before contract award or why the need for such determination otherwise was not reasonably foreseeable. If the contracting officer concludes that the contractor should have made the request before contract award, the contracting officer may deny the request.

(b) The contracting officer must base evaluation of any request for a determination regarding the inapplicability of section 1605 of the Recovery Act or the Buy American Act made after contract award

on information required by paragraphs (c) and (d) of the applicable clause at [52.225-21](#) or [52.225-23](#) and/or other readily available information.

(c) If a determination, under [25.603\(a\)](#), is made after contract award that an exception to section 1605 of the Recovery Act or to the Buy American Act applies, the contracting officer must negotiate adequate consideration and modify the contract to allow use of the foreign construction material. When the basis for the exception is the unreasonable cost of a domestic construction material, adequate consideration is at least the differential established in [25.605\(a\)](#).

25.607 Noncompliance.

The contracting officer must—

(a) Review allegations of violations of section 1605 of the Recovery Act or Buy American Act;

(b) Unless fraud is suspected, notify the contractor of the apparent unauthorized use of foreign construction material and request a reply, to include proposed corrective action; and

(c) If the review reveals that a contractor or subcontractor has used foreign construction material without authorization, take appropriate action, including one or more of the following:

(1) Process a determination concerning the inapplicability of section 1605 of the Recovery Act or the Buy American Act in accordance with [25.606](#).

(2) Consider requiring the removal and replacement of the unauthorized foreign construction material.

(3) If removal and replacement of foreign construction material incorporated in a building or work would be impracticable, cause undue delay, or otherwise be detrimental to the interests of the Government, the contracting officer may determine in writing that the foreign construction material need not be removed and replaced. A determination to retain foreign construction material does not constitute a determination that an exception to section 1605 of the Recovery Act or the Buy American Act applies, and this should be stated in the determination. Further, a determination to retain foreign construction material does not affect the Government's right to suspend or debar a contractor, subcontractor, or supplier for violation of section 1605 of the Recovery Act or the Buy American Act, or to exercise other contractual rights and remedies, such as reducing the contract price or terminating the contract for default.

(4) If the noncompliance is sufficiently serious, consider exercising appropriate contractual remedies, such as terminating the contract for default. Also consider preparing and forwarding a report to the agency suspension or debarment official in accordance with [Subpart 9.4](#). If the noncompliance appears to be fraudulent, refer the matter to other appropriate agency officials, such as the officer responsible for criminal investigation.

Section 1511 of the ARRA provides that all recipients of these funds must also post a certification that the school construction project received the full review and vetting required by law and that the LEA accepts responsibility that the project is an appropriate use of taxpayer funds. This certification, along with a description of the project, estimated total cost, and the amount of ARRA funds to be used, must be posted and linked on the Recovery Accountability and Transparency Board website (see question 15). An LEA may not use funds provided under the ARRA for infrastructure investment funding unless this certification is made and posted.

The Department will provide additional information on these requirements as it becomes available.

PRICE LISTS FOR ALL VENDORS ARE PROVIDED ON THE FOLLOWING PAGES;

Approved by: _____

Date: _____

(James R. Vasquez- Executive Director)
(Sonia Eubank – Associate Executive Director)
(James R. Vasquez- Executive Director)

(October 22, 2010)
(September 7, 2011)
(September 25, 2012)

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PRICE LIST

Item No.	Units	Brand or P/N	Description	Price	Ext. Price
STRUCTURED CABLING					
COPPER CABLING - TERMINATED (CATEGORY 5E)					
1	1	Commscope or Seimon	Category 5e station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc.) is available at station end from ceiling to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	115.00	115.00
2	1	Commscope or Seimon	Category 5e station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc.) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	145.00	145.00
3	1	Commscope or Seimon	Additional Category 5e station cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	105.00	105.00
4	1	Commscope or Seimon	Category 5e station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc.) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	110.00	110.00
5	1	Commscope or Seimon	Category 5e station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc.) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	140.00	140.00
6	1	Commscope or Seimon	Additional Category 5e station voice - cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	100.00	100.00
COPPER CABLING - TERMINATED (CATEGORY 6)					
7	1	Commscope or Seimon	Category 6 station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc.) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	140.00	140.00
8	1	Commscope or Seimon	Category 6 station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming NO existing pathway (inner wall, conduit, surface mount raceway, etc.) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	170.00	170.00
9	1	Commscope or Seimon	Additional Category 6 station cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable.	125.00	125.00
10	1	Commscope or Seimon	Category 6 station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc.) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	135.00	135.00
11	1	Commscope or Seimon	Category 6 station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc.) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	165.00	165.00
12	1	Commscope or Seimon	Additional Category 6 station voice cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable.	120.00	120.00

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COPPER CABLING - TERMINATED (CATEGORY 6)				Cost	Ext.
13	1	Commscope or Seimon	Externally Rated Category 6 cable - terminated in MC, IC, or HC from station end to station end or in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc.) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	155.00	155.00
VIDEO DISTRIBUTION CABLE (RG6 with 'F' Type Termination)				Cost	Ext.
14	1	RG-6 Vidrrp-no	RG-6 Video Drop with 'F' type termination assuming NO existing pathway exists.	170.00	170.00
15	1	RG-6 Vidrrp	RG-6 Video Drop with 'F' type termination assuming existing pathway exists.	140.00	140.00
16	1	RG-6 Vidrrp-add	Additional RG 6 Video Drop with 'F' type run and terminated consecutively with first cable run.	135.00	135.00
FIBER OPTIC CABLING - TERMINATED (.625)				Cost	Ext.
17	1	012K88-3310-29	12 Strand Multimode fiber cable per/foot terminated.	5.35	5.35
18	1	024K88-3310-29	24 Strand Multimode fiber cable per/foot terminated.	6.50	6.50
19	1	012KWA-T4130A20	12 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated.	6.50	6.50
20	1	024KWA-T4130A20	24 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated.	8.50	8.50
21	1	012KW4-T4130D20	12 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated.	6.50	6.50
22	1	024KWC-T4130D20	24 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated.	7.00	7.00
23	1	012K88-3310-A3	12 Strand Armored fiber cable per/foot terminated.	6.35	6.35
24	1	024K88-3310-A3	24 Strand Armored fiber cable per/foot terminated.	8.50	8.50
FIBER OPTIC CABLING - TERMINATED (.5)				Cost	Ext.
25	1	012S88-3340-29	12 Strand Multimode fiber cable per/foot terminated.	5.35	5.35
26	1	024S88-3340-29	24 Strand Multimode fiber cable per/foot terminated.	6.50	6.50
27	1	012CWA-T4131A20	12 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated.	6.50	6.50
28	1	024CWA-T4131A20	24 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated.	8.50	8.50
29	1	012CW4-Y4131D20	12 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated.	6.50	6.50
30	1	024CW4-T4131D20	24 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated.	7.00	7.00
31	1	012C88-3331-A3	12 Strand Armored fiber cable per/foot terminated.	6.35	6.35
32	1	024S88-3340-29	24 Strand Armored fiber cable per/foot terminated.	8.50	8.50
PATCH CORDS - COPPER				Cost	Ext.
33	1	please specify	Certified Category 5e Patch Cord 1 meter installed.	5.00	5.00
34	1	please specify	Certified Category 5e Patch Cord 2 meter Installed.	5.50	5.50
35	1	please specify	Certified Category 5e Patch Cord 3 meter installed.	6.00	6.00
36	1	please specify	Certified Category 5e Patch Cord 5 meter Installed.	7.50	7.50
37	1	please specify	Certified Category 5e Patch Cord 7 meter installed.	8.00	8.00
38	1	Commscope/Siemon	Certified Category 6 Patch Cord 1 meter installed.	9.60	9.60
39	1	Commscope/Siemon	Certified Category 6 Patch Cord 2 meter installed.	10.60	10.60
40	1	Commscope/Siemon	Certified Category 6 Patch Cord 3 meter installed.	11.60	11.60
41	1	Commscope/Siemon	Certified Category 6 Patch Cord 4 meter installed.	12.60	12.60
42	1	Commscope/Siemon	Certified Category 6 Patch Cord 7 meter installed.	14.00	14.00
PATCH CORDS - FIBER				Cost	Ext.
43	1	FJ2-STSC-MM-01	Fiber Patch Cable 1 meter duplex SC-ST Installed .5 or .625 micron	18.00	18.00
44	1	FJ2-STSC-MM-02	Fiber Patch Cable 2 meter duplex SC-ST Installed .5 or .625 micron	19.00	19.00
45	1	FJ2-STSC-MM-03	Fiber Patch Cable 3 meter duplex SC-ST Installed .5 or .625 micron	22.00	22.00
46	1	FJ2-STSC-MM-05	Fiber Patch Cable 5 meter duplex SC-ST Installed .5 or .625 micron	25.00	25.00

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PATCH CORDS - FIBER				Cost	Ext.
47	1	FJ2-SCSC-MM-01	Fiber Patch Cable 1 meter duplex SC-SC Installed .5 or .625 micron	18.00	18.00
48	1	FJ2-SCSC-MM-02	Fiber Patch Cable 2 meter duplex SC-SC Installed .5 or .625 micron	19.00	19.00
49	1	FJ2-SCSC-MM-03	Fiber Patch Cable 3 meter duplex SC-SC Installed .5 or .625 micron	22.00	22.00
50	1	FJ2-SCSC-MM-05	Fiber Patch Cable 5 meter duplex SC-SC Installed .5 or .625 micron	25.00	25.00
51	1	FJ2-LCSC-MM-01	Fiber Patch Cable 1 meter duplex SC-LC Installed .5 or .625 micron	25.00	25.00
52	1	FJ2-LCSC-MM-02	Fiber Patch Cable 2 meter duplex SC-LC Installed .5 or .625 micron	27.00	27.00
53	1	FJ2-LCSC-MM-03	Fiber Patch Cable 3 meter duplex SC-LC Installed .5 or .625 micron	29.00	29.00
54	1	FJ2-LCSC-MM-05	Fiber Patch Cable 5 meter duplex SC-LC Installed .5 or .625 micron	35.00	35.00
CROSS CONNECT CABLE (VOICE BACKBONE CABLE)				Cost	Ext.
55	1	25-pair with 2 24-port panels	25 pair, 24 gauge, plunum rated, Category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated.	1.90	1.90
56	1	50-pair with 2 48-port panels	50 pair, 24 gauge, plunum rated, Category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated.	3.00	3.00
57	1	100-pair with 4 48-port panels	100 pair, 24 gauge, plunum rated, Category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated.	5.25	5.25
58	1	25-pair with 2 24-port panels	25 pair, 24 gauge, plunum rated, Category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated.	5.00	5.00
59	1	2 25-pairs with 2 48-port panels	50 pair, 24 gauge, plunum rated, Category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated.	9.00	9.00
60	1	4 25-pairs with 4 48-port panels	100 pair, 24 gauge, plunum rated, Category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated.	18.00	18.00
61	1	25-pair with 2 24-port panels	25 pair, 24 gauge, plunum rated, Category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated.	5.00	5.00
62	1	50-pair with 2 48-port panels	50 pair, 24 gauge, plunum rated, Category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated.	8.00	8.00
63	1	100-pair with 4 48-port panels	100 pair, 24 gauge, plunum rated, Category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated.	12.00	12.00
CABLE REMOVAL				Cost	Ext.
64	1	Labor	Non functional cable removal per hour (copper or fiber).	35.00	35.00
CABLE PLANT HARDWARE				Cost	Ext.
RACEWAY				Cost	Ext.
65	1	Panduit	1" Raceway per foot - Installed (plastic molded, secured with screws).	4.00	4.00
66	1	Panduit	2" Raceway per foot - installed (plastic molded, secured with screws).	5.00	5.00
67	1	Panduit	3" Raceway per foot - installed (plastic molded, secured with screws).	6.00	6.00
68	1	Panduit	4" Raceway per foot - installed (plastic molded, secured with screws).	7.00	7.00
69	1	Panduit	6" Raceway per foot - installed (plastic molded, secured with screws).	8.00	8.00
COMMUNICATIONS RACKS - OPEN FRAME				Cost	Ext.
70	1	55053-703	7' Aluminum relay rack, 19"W x 7"H x 3"D, Black, 45 RMU, No. of Posts - 2; Top Bar, installed, grounded (CPI).	220.00	220.00
71	1	66353-703	7' Aluminum relay rack, 19"W x 7"H x 6"D, Black, 45 RMU, No. of Posts - 2; Top Bar, installed, grounded (CPI).	325.00	325.00
72	1	11961-110	26" x 26" x 8.5" Thinline Wall Mount Cabinet (CPI) includes fan kit.	410.00	410.00
73	1	11961-111	26" x 26" x 12" Thinline Wall Mount Cabinet (CPI) includes fan kit.	485.00	485.00

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COMMUNICATIONS RACKS - OPEN FRAME				Cost	Ext.
74	1	11961-112	36" x 26" x 8.5" Thinline Wall Mount Cabinet (CPI) includes fan kit.	490.00	490.00
75	1	11961-113	36" x 26" x 12" Thinline Wall Mount Cabinet (CPI) includes fan kit.	560.00	560.00
76	1	11961-118	36" x 19" Open Frame Wall Mounted Rack, installed and grounded (CPI).	270.00	270.00
77	1	11807-718	48" x 19" Open Frame Wall Mounted Rack, installed and grounded (CPI).	310.00	310.00
78	1	11583-719	2RU Flush Mounted Wall Bracket (CPI).	105.00	105.00
79	1	10250-709	9" wide Telco ladder (runway) and mounting hardware per foot Installed (CPI).	11.00	11.00
80	1	10250-712	12" wide Telco ladder (runway) and mounting hardware per foot installed (CPI).	12.00	12.00
81	1	11054-719	19" wide x 26" deep double sided shelf for open frame relay racks (CPI).	155.00	155.00
82	1	11245-719	19" Adjustable monitor shelf (CPI).	165.00	165.00
83	1	12193-701	19" Full size sliding keyboard and mouse tray (CPI).	300.00	300.00
84	1	40752-719	19" Multi-purpose three piece shelf (CPI).	140.00	140.00
85	1	12816-703	19" Rack mount power strip, 8 socket, 15 amp, surge protected with standard 5-15R plug, with circuit breaker.	120.00	120.00
86	1	12816-707	19" Rack mount power strip, 8 socket, 20 amp, surge protected with standard 5-20R plug, with circuit breaker.	135.00	135.00
87	1	12816-704	19" Rack mount power strip, 8 socket, 15 amp, surge protected with twist-lock 5-15R plug, with circuit breaker.	125.00	125.00
88	1	12816-708	19" Rack mount power strip, 8 socket, 20 amp, surge protected with twist-lock 5-20R plug, with circuit breaker.	135.00	135.00
89	1	12848-702	66.5" Vertical power strip for racks, 20 outlet, 15 amp, surge protected with standard 5-15R plug, and circuit breaker.	165.00	165.00
90	1	12848-706	66.5" Vertical power strip for racks, 20 outlet, 20 amp, surge protected with standard 5-20R plug, and circuit breaker.	180.00	180.00
91	1	12848-704	66.5" Vertical power strip for racks, 20 outlet, 15 amp, surge protected with twist-lock 5-15R plug, and circuit breaker.	180.00	180.00
92	1	12848-708	66.5" Vertical power strip for racks, 20 outlet, 20 amp, surge protected with twist-lock 5-20R plug, and circuit breaker.	225.00	225.00
COMMUNICATIONS RACKS - CLOSED FRAME				Cost	Ext.
93	1	12324-722,11755-003, 12816-703	36" x 19" Enclosed wall mounted rack with fans and 6 outlet internal power strip, installed and grounded.	1250.00	1250.00
94	1	11890-748, 12804-701, 12820-703	48" x 19" Enclosed wall mounted rack with fans and 6 outlet internal power strip, installed and grounded.	950.00	950.00
95	1	M1031-714,12480-701,13158-721	84" x 19" x 29" Enclosed free standing 4 post rack with flow through front and back, solid sides, vented top with fans and 12 outlet power strips, and cable management, installed and grounded (black with aluminum front), CPI M Series Megafame, Installed.	2400.00	2400.00
96	1	12336-719	Solid shelf to fit M Series Megafame.	85.00	85.00
97	1	12338-719	Retractable shelf to fit M Series Megafame.	285.00	285.00
COMMUNICATIONS RACKS - CABLE MANAGEMENT				Cost	Ext.
98	1	30161-703	3.65" Double sided 84" vertical cable manager (CPI) close front cover.	345.00	345.00
99	1	30162-703	6" Double sided wide vertical cabling section (CPI) cable management for 84" relay rack.	390.00	390.00
100	1	11752-719	2" Horizontal cable manager - enclosed, installed.	48.00	48.00
101	1	11752-720	4" Horizontal cable manager - enclosed, installed.	65.00	65.00
102	1	11752-721	6" Horizontal cable manager - enclosed, installed.	no response	no response

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INTERIOR - PATHWAY				Cost	Ext.
103	1		Innerduct with jetline per foot, installed (sealed where required).	3.50	3.50
104	1		Self supporting outerduct per foot installed, including lightning suppression (sealed where required).	9.20	9.20
105	1	EMT-2	2" EMT per foot installed, installed per NEC and local fire/electrical codes.	4.50	4.50
106	1	EMT-3	3" EMT per foot installed, installed per NEC and local fire/electrical codes.	5.90	5.90
107	1	EMT-4	4" EMT per foot installed, installed per NEC and local fire/electrical codes.	7.25	7.25
108	1	NO BID	6" EMT per foot installed, installed per NEC and local fire/electrical codes.	no bid	no bid
109	1	EMT-5	1/2" conduit per foot installed, installed per NEC and local fire/electrical codes.	3.50	3.50
110	1	EMT-75	3/4" conduit per foot installed, installed per NEC and local fire/electrical codes.	4.00	4.00
111	1	EMT-1	1" conduit per foot installed, installed per NEC and local fire/electrical codes.	4.25	4.25
112	1	EMT-1.5	1 1/2" conduit per foot installed, installed per NEC and local fire/electrical codes.	4.75	4.75
113	1	EMT-2	2" conduit per foot installed, installed per NEC and local fire/electrical codes.	4.50	4.50
114	1		Copper junction box, to include installation, wall penetrations and hardware, installed per NEC and local fire/electrical codes.	285.00	285.00
115	1		Fiber junction box, to include installation, wall penetrations and hardware, installed per NEC and local fire/electrical codes.	285.00	285.00
INTERIOR - POWER POLES				Cost	Ext.
116	1	25DTP-410	10' Dual channel power pole, installed but without electrical hookup.	200.00	200.00
117	1	25DTP-412	12' Dual channel power pole, installed but without electrical hookup.	230.00	230.00
118	1	25DTP-414	14' Dual channel power pole, installed but without electrical hookup.	280.00	280.00
119	1	25DTP-418	18' Dual channel power pole, installed but without electrical hookup.	290.00	290.00
120	1	25DTP-420	20' Dual channel power pole, installed but without electrical hookup.	295.00	295.00
UNINTERRUPTIBLE POWER SUPPLIES - percent over cost				over cost	
121	1	APC UPS	Miscellaneous UPS equipment from APC.	0.10	0.10
122	1	MinuteMan UPS	Miscellaneous UPS equipment from MinuteMan.	0.10	0.10
123	1	Tripp Lite UPS	Miscellaneous UPS equipment from Tripp Lite.	0.10	0.10
CONSTRUCTION					
FIREWALL PENETRATIONS				Cost	Ext.
124	1		Solid wall (firewall) penetration costs including sleeving and firestopping where required by NEC and local code.	65.00	65.00
WALL HARDWARE				Cost	Ext.
125	1	Misc	Backboard (3/4" x 4' x 8') fire rated or with 2 coats of fire rated paint or fire resistant wood, installed.	145.00	145.00
126	1	Misc	Backboard (3/4" x 4' x 4') fire rated or with 2 coats of fire rated paint or fire resistant wood, installed.	95.00	95.00
127	1	12035-001	2" Open composite distribution ring.	350.00	350.00
128	1	12127-001	2" Closed composite distribution ring.	350.00	350.00
129	1	10812-001	4" Closed composite distribution ring.	450.00	450.00
EXTERIOR PATHWAY				Cost	Ext.
130	1	Misc	Horizontal boring per foot, including 4" PVC, installed, with post-completion grounds repair (includes reseeding of grass and/or replacement of pavement or sidewalk).	27.00	27.00
131	1	Misc	Trenching per foot, including 4" PVC, installed, with post-completion grounds repair (includes reseeding of grass and/or replacement of pavement or sidewalk).	25.00	25.00

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EXTERIOR PATHWAY				Cost	Ext.
132	1	Misc	Installation of 2 J-boxes with required coring, connected to installed 4" PVC conduit, sleeved and sealed as required.	1200.00	1200.00
133	1	Misc	Wooden pole, including boring, setting, and support as required.	1000.00	1000.00
134	1	Misc	Weatherhead on 2" rigid conduit installed (unistrut where required) - roof penetration in interior J-box, flashed and weather sealed (max length 10ft).	1000.00	1000.00
135	1	Misc	Weatherhead on 2" rigid conduit installed (unistrut where required) - wall mounted to exterior J-boxes, flashed and weather sealed (max length 10ft).	1000.00	1000.00
STRUCTURED CABLE REPAIR					
FACE PLATE REPAIR				Cost	Ext.
136	1	Misc	Face plate repair, wall plate only, relabeling if required and reinstallation of connector in face plate.	4.00	4.00
137	1	Misc	Face plate repair, wall plate, labeling, new connector with retermination, recertification and reinstallation of connector in face plate.	20.00	20.00
FIBER OPTIC REPAIR (.625)				Cost	Ext.
138	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet (Include certification and test results).	5.00	5.00
139	1	Corning	Channel replacement of 12 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet (Include certification and test results).	5.35	5.35
140	1	Corning	Channel replacement of 24 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet (Include certification and test results).	8.00	8.00
141	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet (Include certification and test results).	5.00	5.00
FIBER OPTIC REPAIR (.5)				Cost	Ext.
142	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet (Include certification and test results).	5.00	5.00
143	1	Corning	Channel replacement of 12 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet (Include certification and test results).	5.50	5.50
144	1	Corning	Channel replacement of 24 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet (Include certification and test results).	6.35	6.35
145	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet (Include certification and test results).	5.00	5.00
FIRE STOPPING REPAIR/REPLACEMENT				Cost	Ext.
146	1	FSP	Repair for firestopping - for use when firestopping is disturbed during channel replacement (fiber and copper) up to 6".	18.00	18.00
147	1	FSP	Repair for firestopping - for use when firestopping is found to be missing (fiber and copper) up to 6".	18.00	18.00
148	1	Misc	Replacement of sleeving - 1/2" x 12" maximum to include end-nuts and firestopping.	22.00	22.00
149	1	Misc	Replacement of sleeving - 3/4" x 12" maximum to include end-nuts and firestopping.	26.00	26.00
150	1	Misc	Replacement of sleeving - 1" x 12" maximum to include end-nuts and firestopping.	26.00	26.00
151	1	Misc	Replacement of sleeving - 2" x 12" maximum to include end-nuts and firestopping.	30.00	30.00
152	1	Misc	Replacement of sleeving - 3" x 12" maximum to include end-nuts and firestopping.	30.00	30.00
153	1	Misc	Replacement of sleeving - 4" x 12" maximum to include end-nuts and firestopping.	40.00	40.00
154	1	Misc	Replacement of sleeving - 6" x 12" maximum to include end-nuts and firestopping.	40.00	40.00

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CABLE SUSPENSION REPAIR/REPLACEMENT				Cost	Ext.
155	1	CAT32	Repair of cable suspension - J-Hook replacement.	4.00	4.00
RACEWAY REPAIR/REPLACEMENT				Cost	Ext.
156	1	Misc	1" Raceway per foot - installed (plastic molded, secured with screws).	4.00	4.00
157	1	Misc	2" Raceway per foot - installed (plastic molded, secured with screws).	5.00	5.00
158	1	Misc	3" Raceway per foot - installed (plastic molded, secured with screws).	6.00	6.00
159	1	Misc	4" Raceway per foot - installed (plastic molded, secured with screws).	7.00	7.00
160	1	Misc	6" Raceway per foot - installed (plastic molded, secured with screws).	8.00	8.00
PATCH PANEL REPLACEMENT				Cost	Ext.
161	1	DP245E88110U	Patch panel replacement - 24 Port (Ortronics or Panduit), Installed.	285.00	285.00
162	1	DP485E88110U	Patch panel replacement - 48 Port (Ortronics or Panduit), installed.	320.00	320.00
EMT REPLACEMENT				Cost	Ext.
163	1	EMT-1	Replacement of 1" EMT per foot.	4.00	4.00
164	1	EMT-2	Replacement of 2" EMT per foot.	4.50	4.50
165	1	EMT-3	Replacement of 3" EMT per foot.	5.90	5.90
166	1	EMT-4	Replacement of 4" EMT per foot.	7.25	7.25
WIRELESS BRIDGE RELOCATION				Cost	Ext.
WIRELESS BRIDGE - RELOCATION				Cost	Ext.
167	1	Misc	Removal and remounting of Wireless Bridge.	50.00	50.00
168	1	Labor	Installation of Cisco mounting bracket for building or portable.	100.00	100.00
169	1	Misc	Steel pole 15' mounted to portable building with Unistrut.	300.00	300.00
170	1	Misc	Grounding for access point and pole to include grounding and bonding (#6 ground to portable building grounding system).	85.00	85.00
171	1	Misc	Portable IC installation. Includes 2U flush mount wall bracket, to include bonding and grounding (#6 ground to portable building grounding system).	300.00	300.00
172	1	Misc	50' Dual RG6 Coaxial terminated externally at radio, using coax seal and super 33 electrical tape and internally at power injector inside portable.	70.00	70.00
173	1	Misc	24" x 24" Fire resistant backboard or backboard with 2 coats of fire rated paint, mounted.	50.00	50.00
174	1	Misc	Sealing of core holes for coax and ground wire.	15.00	15.00
GROUNDING AND BONDING				Cost	Ext.
GROUNDING AND BONDING				Cost	Ext.
175	1	TMGBB	TMGB installed in MDF, including ground to building frame per ANSI/EIA/TIA-607 as interpreted by BICSI.	345.00	345.00
176	1	TGB	TGB installed in IDF, including ground to building frame per ANSI/EIA/TOA-607 as interpreted by BICSI.	150.00	150.00
177	1	TMGB 1	TBB installed between TMGB and TGB per ANSI/EIA/TIA-607 as interpreted by BICSI, per foot.	1.65	1.65
178	1	TGB 2	TBBIGB installed between TGB's per ANSI/EIA/TIA-607 as interpreted by BICSI, per foot.	1.65	1.65
EQUIPMENT AND SUPPLIES				Cost	Ext.
TESTING AND CLEANING EQUIPMENT				Cost	Ext.
179	1	FVM220x	FiberViewer microscope - 200X - MM.	no response	no response
180	1	VFL-2.5	VisiFault visual fault locator with 2.5 mm universal adaptor.	no response	no response
.81	1	14100500	Cletope Type "A" cassette fiber cleaner with cassette.	no response	no response
182	1	14100600	Cletope Type "B" cassette fiber cleaner with cassette.	no response	no response
183	1	14100700	Cletope Type "A" replacement cassette.	no response	no response

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TESTING AND CLEANING EQUIPMENT				Cost	Ext.
184	1	14100710	Cleotop Type "B" replacement cassette.	no response	no response
185	1	14100400	Cleotop 2.5mm swabs for FC, SC, and ST connectors, and for all other 2.5mm ferrules.	no response	no response
186		14100401	Cleotop 1.25mm swabs for LC and MU connectors, and for all other 1.25mm ferrules.	no response	no response
INSTALLATION AND MANAGEMENT SERVICES					
INSTALLATION				Cost	Ext.
187	1	Cable Tech	Installation - Cable technician - Installer/hr.	35.00	35.00
188	1	Network Tech	Installation - Network switch, including cable patching.	120.00	120.00
189	1	Network Tech 1	Installation - Network switch rack re-arrangement, including cable patching.	450.00	450.00
DESIGN				Cost	Ext.
190	1	Cable - RCDD	Design - RCDD/hr.	50.00	50.00
PROJECT MANAGEMENT				Cost	Ext.
191	1	Cable - Proj. Mngr	Project management - Project manager/hr.	50.00	50.00
ENGINEERING				Cost	Ext.
192	1	Comp Tech - Lvl 3	Engineering - Cisco CCIE/hr.	no response	no response
ENGINEERING				Cost	Ext.
193	1	Comp Tech - Lvl 2	Engineering - Cisco CCNA/hr.	no response	no response
CISCO NETWORK ELECTRONICS					
HARDWARE				Cost	Ext.
194	1	Cisco	All Cisco hardware and software.	no response	no response
MISCELLANEOUS ITEMS					
PERCENT OVER COST ITEMS				Cost	Ext.
195	1		Cost for items not listed (Percent over cost)-provide manufacturer and percent over cost will be from MSRP or vendor can show discount from MSRP to include technology, telephone, surveillance, monitoring hardware and other related hardware for a turnkey installation. Submittals on list of manufacturers for item 195 should be included on company letterhead with the proposal submitted. Also, vendor can include cabling products equal to or better than Siemon and or Commscope, but specifications and analysis should be provided for evaluation purposes.	0.10	0.10
196	1		Installation per hour for items not listed.	35.00	35.00
MISCELLANEOUS ITEMS				Cost	Ext.
197	1	OSP	OSP 4-pair, Category 5e cable installed with DataLAN protectors, existing pathway.	300.00	300.00
198	1	OSP	Messenger installation with lashing wire, per foot, not including end supports.	11.80	11.80
199	1	Coring	Core-hole penetration solid wall/ceiling 1" - 1.75".	60.00	60.00
200	1	Coring	Core-hole penetration solid wall/ceiling 2" - 3.5".	90.00	90.00
201	1	Coring	Core-hole penetration solid wall/ceiling 4" or larger.	125.00	125.00
202	1	Circa	Lightning suppression 25 pair, loaded with fuses.	350.00	350.00
203	1	Circa	Lightning suppression 50 pair, loaded with fuses.	425.00	425.00
204	1	Circa	Lightning suppression 100 pair, loaded with fuses.	650.00	650.00
205	1	ITWLinx	Lightning suppression 4 pair, solid-state, Category 5e.	95.00	95.00

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Units	Brand or P/N	Description	Price	Ext. Price
STRUCTURED CABLING				
Copper Cabling - Terminated (Category 5E)				
Item No			Cost	Ext
1	1	Commscope or Siemon Category 5e station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	135. ⁰⁰	
2	1	Commscope or Siemon Category 5e station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	159. ⁰⁰	
3	1	Commscope or Siemon Additional Category 5e station cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	128. ⁰⁰	
4	1	Commscope or Siemon Category 5e station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	135. ⁰⁰	
5	1	Commscope or Siemon Category 5e station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	159. ⁰⁰	
6	1	Commscope or Siemon Additional Category 5e station voice - cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	128. ⁰⁰	
Copper Cabling - Terminated (Category 6)				
Item No			Cost	Ext
7	1	Commscope or Siemon Category 6 station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	155. ⁰⁰	
8	1	Commscope or Siemon Category 6 station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	179. ⁰⁰	
9	1	Commscope or Siemon Additional Category 6 station cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable.	148. ⁰⁰	
10	1	Commscope or Siemon Category 6 station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	155. ⁰⁰	
11	1	Commscope or Siemon Category 6 station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	179. ⁰⁰	
12	1	Commscope or Siemon Additional Category 6 station voice cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable.	148. ⁰⁰	

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Item No	Copper Cabling - Terminated (Category 6)			Cost	Ext
13	1	Commscope or Siemon	Externally Rated Category 6 cable - terminated in MC, IC, or HC from station end to station end or in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable	182. ⁰⁰	
Item No	Video Distribution Cable (RG6 with "F" type termination)			Cost	Ext
14	1	RG-6 Vidrrp-no	RG-6 Video Drop with "F" type termination assuming NO existing pathway exists.	233. ⁰⁰	
15	1	RG-6 Vidrrp	RG-6 Video Drop with "F" type termination assuming existing pathway exists.	179. ⁰⁰	
16	1	RG-6 Vidrrp-add	Additional RG-6 Video Drop with "F" type run and terminated consecutively with first cable run.	171. ⁰⁰	
Item No	Fiber Optic Cabling - Terminated (.625)			Cost	Ext
17	1	012K88-3310-29	12 Strand Multimode fiber cable per/foot terminated	5.07	
18	1	024K88-3310-29	24 Strand Multimode fiber cable per/foot terminated	8.02	
19	1	012KWA-T4130A20	12 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	5.36	
20	1	024KWA-T4130A20	24 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	7.21	
21	1	012KW4-T4130D20	12 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	5.01	
22	1	024KWC-T4130D20	24 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	6.99	
23	1	012K88-3310-A3	12 Strand Armored fiber cable per/foot terminated	6.23	
24	1	024K88-3310-A3	24 Strand Armored fiber cable per/foot terminated	9.42	
Item No	Fiber Optic Cabling - Terminated (.5)			Cost	Ext
25	1	012S88-3340-29	12 Strand Multimode fiber cable per/foot terminated	4.86	
26	1	024S88-3340-29	24 Strand Multimode fiber cable per/foot terminated	7.40	
27	1	012CWA-T4131A20	12 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	5.21	
28	1	024CWA-T4131A20	24 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	6.58	
29	1	012CW4-T4131D20	12 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	4.69	
30	1	024CW4-T4131D20	24 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	6.53	
31	1	012C88-3331-A3	12 Strand Armored fiber cable per/foot terminated	6.17	
32	1	024S88-3340	24 Strand Armored fiber cable per/foot terminated	8.30	
Item No	Patch Cords - Copper			Cost	Ext
33	1	Please specify	Certified Category 5e Patch Cord 1 meter installed	9.49	
34	1	Please specify	Certified Category 5e Patch Cord 2 meter installed	10.39	
35	1	Please specify	Certified Category 5e Patch Cord 3 meter installed	11.23	
36	1	Please specify	Certified Category 5e Patch Cord 5 meter installed	13.39	
37	1	Please specify	Certified Category 5e Patch Cord 7 meter installed	15.03	
38	1	Commscope or Siemon	Certified Category 6 Patch Cord 1 meter installed	14.42	
39	1	Commscope or Siemon	Certified Category 6 Patch Cord 2 meter installed	15.80	
40	1	Commscope or Siemon	Certified Category 6 Patch Cord 3 meter installed	12.32	
41	1	Commscope or Siemon	Certified Category 6 Patch Cord 4 meter installed	17.94	
42	1	Commscope or Siemon	Certified Category 6 Patch Cord 7 meter installed	21.84	
Item No	Patch Cords - Fiber			Cost	Ext
43	1	FJ2-STSC-MM-01	Fiber Patch Cable 1 meter duplex SC-ST Installed .5 or .625 micron	23.46	
44	1	FJ2-STSC-MM-02	Fiber Patch Cable 2 meter duplex SC-ST Installed .5 or .625 micron	24.92	
45	1	FJ2-STSC-MM-03	Fiber Patch Cable 3 meter duplex SC-ST Installed .5 or .625 micron	25.85	
46	1	FJ2-STSC-MM-05	Fiber Patch Cable 5 meter duplex SC-ST Installed .6 or .625 micron	31.27	

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Item No		Patch Cords - Fiber		Cost	Ext
47	1	FJ2-SCSC-MM-01	Fiber Patch Cable 1 meter duplex SC-SC Installed .5 or .625 micron	23.46	
48	1	FJ2-SCSC-MM-02	Fiber Patch Cable 2 meter duplex SC-SC Installed .5 or .625 micron	24.67	
49	1	FJ2-SCSC-MM-03	Fiber Patch Cable 3 meter duplex SC-SC Installed .5 or .625 micron	25.92	
50	1	FJ2-SCSC-MM-05	Fiber Patch Cable 5 meter duplex SC-SC Installed .5 or .625 micron	27.79	
51	1	FJ2-LCSC-MM-01	Fiber Patch Cable 1 meter duplex SC-LC Installed .5 or .625 micron	29.59	
52	1	FJ2-LCSC-MM-02	Fiber Patch Cable 2 meter duplex SC-LC Installed .5 or .625 micron	30.55	
53	1	FJ2-LCSC-MM-03	Fiber Patch Cable 3 meter duplex SC-LC Installed .5 or .625 micron	31.39	
54	1	FJ2-LCSC-MM-05	Fiber Patch Cable 5 meter duplex SC-LC Installed .5 or .625 micron	33.31	
Item No		Cross Connect Cable (voice backbone cable)		Cost	Ext
55	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	4.04	
56	1	50-pair with 2 48-port panels	50 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	5.77	
57	1	100-pair with 4 48-port panels	100 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	9.49	
58	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	7.50	
59	1	2 25-pairs with 2 48-port panels	50 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	12.92	
60	1	4 25-pairs with 4 48-port panels	100 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	23.56	
61	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	4.40	
62	1	50-pair with 2 48-port panels	50 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	6.62	
63	1	100-pair with 4 48-port panels	100 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	10.87	
Item No		Cable Removal		Cost	Ext
64	1	Labor	Non functional cable removal per hour (copper or fiber)	45.00	
CABLE PLANT HARDWARE					
Item No		Raceway		Cost	Ext
65	1	Panduit	1" Raceway per foot - installed (plastic molded, secured with screws)	4.35	
66	1	Panduit	2" Raceway per foot - installed (plastic molded, secured with screws)	5.92	
67	1	Panduit	3" Raceway per foot - installed (plastic molded, secured with screws)	10.67	
68	1	Panduit	4" Raceway per foot - installed (plastic molded, secured with screws)	14.18	
69	1	Panduit	6" Raceway per foot - installed (plastic molded, secured with screws)	19.27	
Item No		Communications Racks - Open Frame		Cost	Ext
70	1	55053-703	7' Aluminmun relay rack; 19"W x 7'H x 3"D; Black; 45 RMU; No. of Posts - 2; Top Bar, installed, grounded (CPI)	231.25	
71	1	66353-703	7' Aluminmun relay rack; 19"W x 7'H x 6"D; Black; 45 RMU; No. of Posts - 2; Top Bar, installed, grounded (CPI)	397.30	
72	1	11961-110	26" x 26" x 8.5" Thinline Wall Mount Cabinet (CPI) includes fan kit	397.85	
73	1	11961-111	26" x 26" x 12" Thinline Wall Mount Cabinet (CPI) includes fan kit	446.53	
74	1	11961-112	36" x 26" x 8.5" Thinline Wall Mount Cabinet (CPI) includes fan kit	494.13	
75	1	11961-113	36" x 26" x 12" Thinline Wall Mount Cabinet (CPI) includes fan kit	515.77	
76	1	11961-118	36" x 19" Open frame wall mounted rack, installed and grounded (CPI)	330.00	
77	1	11607-716	46" x 19" Open frame wall mounted rack, installed and grounded (CPI)	441.40	
78	1	11583-719	2RU Flush Mounted Wall Bracket (CPI)	86.86	

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Item No	Communications Racks - Open Frame		Cost	Ext
79	1	10250-709	9" wide Telco ladder (runway) and mounting hardware per foot installed (CPI)	13.24
80	1	10250-712	12" wide Telco ladder (runway) and mounting hardware per foot installed (CPI)	18.73
81	1	11054-719	19" wide x 26" deep double sided shelf for open frame relay racks (CPI)	154.77
82	1	11245-719	19" Adjustable monitor shelf (CPI)	167.50
83	1	12193-701	19" Full Size Sliding Keyboard & Mouse Tray (CPI)	312.22
84	1	40752-719	19" Multi-Purpose Three Piece Shelf (CPI)	123.10
85	1	12816-703	19" Rack Mount Power Strip, 8 socket, 15 amp Surge protected with standard 5-15R plug, with circuit breaker	99.68
86	1	12816-707	19" Rack Mount Power Strip, 8 socket 20 amp Surge protected with standard 5-20R plug, with circuit breaker	113.76
87	1	12816-704	19" Rack Mount Power Strip, 8 socket, 15 amp surge protected with twist-lock 5-15R plug, with circuit breaker	109.63
88	1	12816-708	19" Rack Mount Power Strip, 8 socket 20 amp surge protected with twist-lock 5-20R plug, with circuit breaker	123.48
89	1	12848-702	66.5" Vertical Power Strip For Racks, 20 outlet 15 amp surge protected with standard 5-15R plug, and circuit breaker	156.74
90	1	12848-706	66.5" Vertical Power Strip For Racks, 20 outlet 20 amp surge protected with standard 5-20R plug, and circuit breaker	172.70
91	1	12848-704	66.5" Vertical Power Strip For Racks, 20 outlet 15 amp surge protected with twist-lock 5-15R plug, and circuit breaker	166.44
92	1	12848-708	66.5" Vertical Power Strip For Racks, 20 outlet 20 amp surge protected with twist-lock 5-20R plug, and circuit breaker	178.18
Item No	Communications Racks - Closed Frame		Cost	Ext
93	1	12324-722,11755-003,12816-703	36" x 19" Enclosed wall mounted rack with fans and 6 outlet internal power strip, installed and grounded	1,572.85
94	1	11890-748,12804-701,12820-703	48" x 19" Enclosed wall mounted rack with fans and 6 outlet internal power strip, installed and grounded	924.72
95	1	M1031-741,12480-701,13158-721	84" x 19" x 29" Enclosed freestanding 4 post rack with flow through front and back, solid sides, vented top with fans and 12 outlet power strips, and cable management, installed and grounded (black with aluminum front), CPI M Series Megaframe, installed	2,406.87
96	1	12338-719	Solid shelf to fit M Series Megaframe	89.64
97	1	12338-719	Retractable shelf to fit M Series Megaframe	292.41
Item No	Communications Racks - Cable Management		Cost	Ext
98	1	30161-703	3.65" Double Sided 84" vertical cable manager (CPI) Close front cover	361.51
99	1	30162-703	6" Double Sided Wide Vertical Cabling Section (CPI) cable management for 84" relay rack	402.10
100	1	11752-719	2" Horizontal Cable manager-enclosed, installed	63.80
101	1	11752-720	4" Horizontal Cable manager-enclosed, installed	68.09
102	1	11752-721	6" Horizontal Cable manager-enclosed, installed	66.48
Item No	Interior - Pathway		Cost	Ext
103	1		Innerduct with jettline per foot, installed (sealed where required)	3.25
104	1		Self Supporting Outerduct per foot installed, including lightning supression (sealed where required)	NO BID
105	1	EMT-2	2" EMT Per foot installed, installed per NEC and local fire/electrical codes	6.57
106	1	EMT-3	3" EMT Per foot installed, installed per NEC and local fire/electrical codes	9.95
107	1	EMT-4	4" EMT Per foot installed, installed per NEC and local fire/electrical codes	15.29
108	1	NO BID	6" EMT Per foot installed, installed per NEC and local fire/electrical codes	NO BID
109	1	EMT-5	1/2" conduit per foot, installed per NEC and local fire/electrical codes	3.49
110	1	EMI-75	3/4" conduit per foot, installed per NEC and local fire/electrical codes	3.73
111	1	EMT-1	1" conduit per foot, installed per NEC and local fire/electrical codes	4.30

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Item No	Interior - Pathway		Cost	Ext
112	1	EMT-1.5	1 1/2" conduit per foot, installed per NEC and local fire/electrical codes	5.97
113	1	FMT-2	2" conduit per foot, installed per NEC and local fire/electrical codes	6.57
114	1	12x12x6	Copper Junction Box, to include installation, wall penetrations and hardware, installed per NEC and local fire/electrical codes	135. ⁰⁰
115	1	12x12x8	Fiber Junction Box, to include installation, wall penetrations and hardware, installed per NEC and local fire/electrical codes	140. ⁰⁰
Item No	Interior - Power Poles		Cost	Ext
116	1	25DTP-410	10' Dual Channel Power Pole, installed but without electrical hookup.	169.75
117	1	25DTP-412	12' Dual Channel Power Pole, installed but without electrical hookup.	193.85
118	1	25DTP-414	14' Dual Channel Power Pole, installed but without electrical hookup.	224.99
119	1	25DTP-418	18' Dual Channel Power Pole, installed but without electrical hookup.	357. ⁰⁰
120	1	25DTP-420	20' Dual Channel Power Pole, installed but without electrical hookup.	357. ⁰⁰
Item No	Uninterruptible Power Supplies - percent over cost		% over cost	
121	1	APC UPS	Miscellaneous UPS Equipment from APC	12. ⁰⁰
122	1	MinuteMan UPS	Miscellaneous UPS Equipment from MinuteMan	12. ⁰⁰
123	1	Tripp Lite UPS	Miscellaneous UPS Equipment from Tripp Lite	12. ⁰⁰
CONSTRUCTION				
Item No	Firewall Penetrations		Cost	Ext
124	1		Solid wall (firewall) penetration costs including sleeving and firestopping where required by NEC and Local code	64. ⁰⁰
Item No	Wall Hardware		Cost	Ext
125	1	Misc	Backboard (3/4" x 4' x 8') fire rated or with 2 coats of fire rated paint or fire resistant wood, installed	125.58
126	1	Misc	Backboard (3/4" x 4' x 4') fire rated or with 2 coats of fire rated paint or fire resistant wood, installed	89.74
127	1	12035-001	2" Open composite distribution ring	3.80
128	1	12127-001	2" Closed composite distribution ring	4.38
129	1	10812-001	4" Closed composite distribution ring	3.04
Item No	Exterior Pathway		Cost	Ext
130	1	Misc	Horizontal boring per foot, including 4" PVC installed, with post-completion grounds repair (includes reseeding of grass and/or replacement of pavement or sidewalk)	24. ⁰⁰
131	1	Misc	Trenching per foot, including 4" PVC, installed, with post-completion grounds repair (includes reseeding of grass and/or replacement of pavement or sidewalk)	25. ⁰⁰
132	1	Misc	Installation of 2 J-boxes with required coring, connected to installed 4" PVC Conduit, sleeved and sealed as required	280. ⁰⁰
133	1	Misc	Wooden Pole, including boring, setting and support as required	575. ⁰⁰
134	1	Misc	Weatherhead on 2" rigid conduit installed (unistrut where required) - roof penetration to interior J-box, flashed and weather sealed. (max length 10ft)	395. ⁰⁰
135	1	Misc	Weatherhead on 2" rigid conduit installed (unistrut where required) - wall mounted to exterior J-boxes, flashed and weather sealed. (max length 10ft)	370. ⁰⁰
STRUCTURED CABLE REPAIR				

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Face Plate Repair				Cost	Ext
136	1	Misc	Face Plate Repair, wall plate only, relabeling if required and reinstallation of connector in face plate.	30. ⁰⁰	
137	1	Misc	Face Plate Repair, wall plate, labeling, new connector with retermination, recertification and reinstallation of connector in face plate	35. ⁰⁰	
Fiber Optic Repair (62b)				Cost	Ext
138	1	Coming	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	5. ⁹⁹	
139	1	Coming	Channel replacement of 12 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	5. ⁸⁹	
140	1	Coming	Channel replacement of 24 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	7. ⁶²	
141	1	Coming	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	5. ⁰⁹	
Fiber Optic Repair (5)				Cost	Ext
142	1	Coming	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	4. ⁹⁹	
143	1	Coming	Channel replacement of 12 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	5. ⁷⁹	
144	1	Coming	Channel replacement of 24 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	7. ⁵²	
145	1	Coming	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	4. ⁹⁹	
Fire Stopping Repair/Replacement				Cost	Ext
146	1	FSP	Repair for firestopping - for use when firestopping is disturbed during channel replacement (fiber and copper) up to 6"	18. ⁹⁰	
147	1	FSP	Repair for firestopping - for use when firestopping is found to be missing (fiber and copper) up to 6"	18. ⁹⁰	
148	1	Misc	Replacement of sleeving - 1/2" x 12" maximum to include end-nuts and firestopping	20. ⁹⁵	
149	1	Misc	Replacement of sleeving - 3/4" x 12" maximum to include end-nuts and firestopping	20. ³⁰	
150	1	Misc	Replacement of sleeving - 1" x 12" maximum to include end-nuts and firestopping	23. ⁰⁰	
151	1	Misc	Replacement of sleeving - 2" x 12" maximum to include end-nuts and firestopping	27. ⁰⁰	
152	1	Misc	Replacement of sleeving - 3" x 12" maximum to include end-nuts and firestopping	40. ⁰⁰	
153	1	Misc	Replacement of sleeving - 4" x 12" maximum to include end-nuts and firestopping	45. ⁰⁰	
154	1	Misc	Replacement of sleeving - 6" x 12" maximum to include end-nuts and firestopping	No Bid	
Cable Suspension Repair/Replacement				Cost	Ext
155	1	CAT32	Repair of cable suspension - J-Hook replacement	4. ⁹⁵	
Raceway Repair/Replacement				Cost	Ext
156	1	Misc	1" Raceway per foot - installed (plastic molded, secured with screws)	4. ³⁵	

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Item No	Raceway Repair/Replacement			Cost	Ext
157	1	Misc	2" Raceway per foot - installed (plastic molded, secured with screws)	5.22	
158	1	Misc	3" Raceway per foot - installed (plastic molded, secured with screws)	10.67	
159	1	Misc	4" Raceway per foot - installed (plastic molded, secured with screws)	14.18	
160	1	Misc	6" Raceway per foot - installed (plastic molded, secured with screws)	19.27	
Item No	Patch Panel Replacement			Cost	Ext
161	1	DP245E88110U	Patch Panel Replacement - 24 Port (Ortronics or Panduit), Installed	159.99	
162	1	DP485E88110U	Patch Panel Replacement - 48 Port (Ortronics or Panduit), Installed	308.33	
Item No	EMT Replacement			Cost	Ext
163	1	EMT-1	Replacement of 1" EMT per foot	4.30	
164	1	EMT-2	Replacement of 2" EMT per foot	6.57	
165	1	EMT-3	Replacement of 3" EMT per foot	9.95	
166	1	EMT-4	Replacement of 4" EMT per foot	15.29	
WIRELESS BRIDGE RELOCATION					
Item No	Wireless Bridge - Relocation			Cost	Ext
167	1	MISC	Removal and Remounting of Wireless Bridge	195.00	
168	1	Labor	Installation of Cisco mounting bracket for building or portable	85.00	
169	1	MISC	Steel pole 15' mounted to portable building with Unistrut	295.00	
170	1	MISC	Grounding for access point and pole to include grounding and bonding (#6 Ground to portable building grounding system)	95.00	
171	1	MISC	Portable IC Installation. Includes 2U Flush Mount Wall Bracket, to include bonding and grounding (#6 Ground to portable building grounding system)	325.00	
172	1	MISC	50' Dual RG8 Coaxial Terminated externally at radio, using coax seal and super 33 electrical tape and internally at power injector inside portable	85.00	
173	1	MISC	24" x 24" fire resistant backboard or backboard with 2 coats of fire rated paint, mounted	43.90	
174	1	MISC	Sealing of core holes for coax and ground wire	14.50	
GROUNDING AND BONDING					
Item No	Grounding and Bonding			Cost	Ext
175	1	TMGBB	TMGB installed in MDF, including ground to building frame per ANSI/EIA/TIA-607 as interpreted by BICSI	790.00	
176	1	TGB	TGB installed in IDF, including ground to building frame per ANSI/EIA/TIA-607 as interpreted by BICSI	790.00	
177	1	TMGB 1	TBB installed between TMGB and TGB per ANSI/EIA/TIA-607 as interpreted by BICSI, per foot	9.95	
178	1	TGB 2	TBBIGB installed between TGB's per ANSI/EIA/TIA-607 as interpreted by BICSI, per foot	9.95	
EQUIPMENT AND SUPPLIES					
Item No	Testing and Cleaning Equipment			Cost	Ext
179	1	FVM220x	FiberViewer Microscope - 200X - MM	No Bid	
180	1	VFL-2.5	VisiFault Visual Fault Locator with 2.5 mm universal adaptor	No Bid	
181	1	14100500	Cleotop Type "A" cassette fiber cleaner with cassette	No Bid	
182	1	14100600	Cleotop Type "B" cassette fiber cleaner with cassette	No Bid	
183	1	14100700	Cleotop Type "A" replacement cassette	No Bid	
184	1	14100710	Cleotop Type "B" replacement cassette	No Bid	

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Item No	Testing and Cleaning Equipment		Cost	Ext
185	1	14100400	Cleto 2.5mm swabs for FC, SC, and ST connectors, and for all other 2.5 mm ferrules	NO BID
186	1	14100401	Cleto 1.25mm for LC and MU connectors, and for all other 1.25 mm ferrules	NO BID
INSTALLATION AND MANAGEMENT SERVICES				
Item No	Installation		Cost	Ext
187	1	Cable Tech	Installation - Cable Technician - Installer/hr.	45. ⁰⁰
188	1	Network Tech	Installation - Network Switch, including cable patching.	125. ⁰⁰
189	1	Network Tech 1	Installation - Network Switch Rack Re-arrangement, including cable patching	495. ⁰⁰
Item No	Design		Cost	Ext
190	1	Cable - RCDD	Design - RCDD/hr.	55. ⁰⁰
Item No	Project Management		Cost	Ext
191	1	Cable - Proj. Mngr	Project Management - Project Manager/hr.	50. ⁰⁰
Item No	Engineering		Cost	Ext
192	1	Comp Tech - Lvl 3	Engineering - Cisco CCIE/hr.	150. ⁰⁰
193	1	Comp Tech - Lvl 2	Engineering - Cisco CCNA/hr.	125. ⁰⁰
Cisco Network Electronics				
Item No	Hardware		% off list	
194	1	Cisco	All Cisco Hardware and Software	38%
Miscellaneous Items				
Item No	Percent over Cost Items		Cost	Ext
195			Cost for items not listed (Percent over cost- provide manufacturer and percent over cost will be from MSRP or vendor can show discount from MSRP to include technology, telephone, surveillance, monitoring hardware and other related hardware for a turnkey installation. Submittals on list of manufacturers for item 195 should be included on company letterhead with the proposal submitted. Also, vendor can include cabling products equal to or better than Siemon and or Commscope but specifications and analysis should be provided for evaluation purposes)	12%
196			Installation per hour for items not listed	45. ⁰⁰
Item No	Miscellaneous Items		Cost	Ext
197	1	OSP	OSP 4-pair category 5e cable installed with DataLAN protectors, existing pathway	454. ⁰⁰
198	1	OSP	Messenger Installation with lashing wire, per foot, not including end supports	2.49
199	1	Coring	Core-hole penetration solid wall/ceiling 1"-1.75"	59. ⁰⁰
200	1	Coring	Core-hole penetration solid wall/ceiling 2"-3.5"	105. ⁰⁰
201	1	Coring	Core-hole penetration solid wall/ceiling 4" or larger	95. ⁰⁰
202	1	Circa	Lightning Suppression 25 pair, loaded w/fuses	350. ⁰⁰
203	1	Circa	Lightning Suppression 50 pair, loaded w/fuses	400. ⁰⁰
204	1	Circa	Lightning Suppression 100 pair, loaded w/fuses	570. ⁰⁰
205	1	ITWLinx	Lightning Suppression 4 pair, solid-state Category 5e	136. ⁰⁰

GOV CONNECTION PRICING

Units	Brand or P/N	Description	Price	Ext. Price
STRUCTURED CABLING				
Item No	Copper Cabling - Terminated (Category 5E)		Cost	Ext
1	1	Commscope or Siemon Category 5e station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$125.00	\$125.00
2	1	Commscope or Siemon Category 5e station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$120.00	\$120.00
3	1	Commscope or Siemon Additional Category 5e station cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$118.00	\$118.00
4	1	Commscope or Siemon Category 5e station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$125.00	\$125.00
5	1	Commscope or Siemon Category 5e station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$120.00	\$120.00
6	1	Commscope or Siemon Additional Category 5e station voice - cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$120.00	\$120.00
Item No	Copper Cabling - Terminated (Category 6)		Cost	Ext
7	1	Commscope or Siemon Category 6 station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	\$140.00	\$140.00
8	1	Commscope or Siemon Category 6 station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	\$140.00	\$140.00
9	1	Commscope or Siemon Additional Category 6 station cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable.	\$140.00	\$140.00
10	1	Commscope or Siemon Category 6 station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable	\$120.00	\$120.00
11	1	Commscope or Siemon Category 6 station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable	\$120.00	\$120.00
12	1	Commscope or Siemon Additional Category 6 station voice cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable.	\$120.00	\$120.00

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Item No	Copper Cabling - Terminated (Category 6)			Cost	Ext
13	1	Commscope or Siemon	Externally Rated Category 6 cable - terminated in MC, IC, or HC from station end to station end or in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable	\$120.00	\$120.00
Item No	Video Distribution Cable (RG6 with "F" type termination)			Cost	Ext
14	1	RG-6 Vlddrp-no	RG-6 Video Drop with "F" type termination assuming NO existing pathway exists.	\$160.00	\$160.00
15	1	RG-6 Vlddrp	RG-6 Video Drop with "F" type termination assuming existing pathway exists.	\$130.00	\$130.00
16	1	RG-6 Vlddrp-add	Additional RG-6 Video Drop with "F" type run and terminated consecutively with first cable run.	\$130.00	\$130.00
Item No	Fiber Optic Cabling - Terminated (.625)			Cost	Ext
17	1	012K88-3310-29	12 Strand Multimode fiber cable per/foot terminated	\$3.50	\$3.50
18	1	024K88-3310-29	24 Strand Multimode fiber cable per/foot terminated	\$4.00	\$4.00
19	1	012KWA-T4130A20	12 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	\$3.50	\$3.50
20	1	024KWA-T4130A20	24 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	\$4.00	\$4.00
21	1	012KW4-T4130D20	12 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	\$3.00	\$3.00
22	1	024KWC-T4130D20	24 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	\$3.00	\$3.00
23	1	012K88-3310-A3	12 Strand Armored fiber cable per/foot terminated	\$2.50	\$2.50
24	1	024K88-3310-A3	24 Strand Armored fiber cable per/foot terminated	\$3.50	\$3.50
Item No	Fiber Optic Cabling - Terminated (.5)			Cost	Ext
25	1	012S88-3340-29	12 Strand Multimode fiber cable per/foot terminated	\$2.50	\$2.50
26	1	024S88-3340-29	24 Strand Multimode fiber cable per/foot terminated	\$3.50	\$3.50
27	1	012CWA-T4131A20	12 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	\$2.50	\$2.50
28	1	024CWA-T4131A20	24 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	\$3.50	\$3.50
29	1	012CW4-T4131D20	12 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	\$2.50	\$2.50
30	1	024CW4-T4131D20	24 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	\$3.50	\$3.50
31	1	012C88-3331-A3	12 Strand Armored fiber cable per/foot terminated	\$3.00	\$3.00
32	1	024S88-3340	24 Strand Armored fiber cable per/foot terminated	\$3.50	\$3.50
Item No	Patch Cords - Copper			Cost	Ext
33	1	Please specify	Certified Category 5e Patch Cord 1 meter installed	\$3.50	\$3.50
34	1	Please specify	Certified Category 5e Patch Cord 2 meter installed	\$4.00	\$4.00
35	1	Please specify	Certified Category 5e Patch Cord 3 meter installed	\$3.00	\$3.00
36	1	Please specify	Certified Category 5e Patch Cord 5 meter installed	\$4.00	\$4.00
37	1	Please specify	Certified Category 5e Patch Cord 7 meter installed	\$6.50	\$6.50
38	1	Commscope or Siemon	Certified Category 6 Patch Cord 1 meter installed	\$4.00	\$4.00
39	1	Commscope or Siemon	Certified Category 6 Patch Cord 2 meter installed	\$4.00	\$4.00
40	1	Commscope or Siemon	Certified Category 6 Patch Cord 3 meter installed	\$4.00	\$4.00
41	1	Commscope or Siemon	Certified Category 6 Patch Cord 4 meter installed	\$3.50	\$3.50
42	1	Commscope or Siemon	Certified Category 6 Patch Cord 7 meter installed	\$4.50	\$4.50
Item No	Patch Cords - Fiber			Cost	Ext
43	1	FJ2-STSC-MM-01	Fiber Patch Cable 1 meter duplex SC-ST Installed .5 or .625 micron	\$20.00	\$20.00
44	1	FJ2-STSC-MM-02	Fiber Patch Cable 2 meter duplex SC-ST Installed .5 or .625 micron	\$22.00	\$22.00
45	1	FJ2-STSC-MM-03	Fiber Patch Cable 3 meter duplex SC-ST Installed .5 or .625 micron	\$24.00	\$24.00
46	1	FJ2-STSC-MM-05	Fiber Patch Cable 5 meter duplex SC-ST Installed .5 or .625 micron	\$26.00	\$26.00

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Item No	Patch Cords - Fiber			Cost	Ext
47	1	FJ2-SCSC-MM-01	Fiber Patch Cable 1 meter duplex SC-SC Installed .5 or .625 micron	\$22.00	\$22.00
48	1	FJ2-SCSC-MM-02	Fiber Patch Cable 2 meter duplex SC-SC Installed .5 or .625 micron	\$25.00	\$25.00
49	1	FJ2-SCSC-MM-03	Fiber Patch Cable 3 meter duplex SC-SC Installed .5 or .625 micron	\$27.00	\$27.00
50	1	FJ2-SCSC-MM-05	Fiber Patch Cable 5 meter duplex SC-SC Installed .5 or .625 micron	\$29.00	\$29.00
51	1	FJ2-LCSC-MM-01	Fiber Patch Cable 1 meter duplex SC-LC Installed .5 or .625 micron	\$22.00	\$22.00
52	1	FJ2-LCSC-MM-02	Fiber Patch Cable 2 meter duplex SC-LC Installed .5 or .625 micron	\$25.00	\$25.00
53	1	FJ2-LCSC-MM-03	Fiber Patch Cable 3 meter duplex SC-LC Installed .5 or .625 micron	\$27.00	\$27.00
54	1	FJ2-LCSC-MM-05	Fiber Patch Cable 5 meter duplex SC-LC Installed .5 or .625 micron	\$29.00	\$29.00
Item No	Cross Connect Cable (voice backbone cable)			Cost	Ext
55	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$2.00	\$2.00
56	1	50-pair with 2 48-port panels	50 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$2.50	\$2.50
57	1	100-pair with 4 48-port panels	100 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$2.50	\$2.50
58	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$2.00	\$2.00
59	1	2 25-pairs with 2 48-port panels	50 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$2.50	\$2.50
60	1	4 25-pairs with 4 48-port panels	100 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$2.50	\$2.50
61	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	\$2.50	\$2.50
62	1	50-pair with 2 48-port panels	50 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	\$3.00	\$3.00
63	1	100-pair with 4 48-port panels	100 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	\$3.00	\$3.00
Item No	Cable Removal			Cost	Ext
64	1	Labor	Non functional cable removal per hour (copper or fiber)	\$30.00	\$30.00
CABLE PLANT HARDWARE					
Item No	Raceway			Cost	Ext
65	1	Panduit	1" Raceway per foot - installed (plastic molded, secured with screws)	\$2.00	\$2.00
66	1	Panduit	2" Raceway per foot - installed (plastic molded, secured with screws)	\$2.00	\$2.00
67	1	Panduit	3" Raceway per foot - installed (plastic molded, secured with screws)	\$3.00	\$3.00
68	1	Panduit	4" Raceway per foot - installed (plastic molded, secured with screws)	\$4.00	\$4.00
69	1	Panduit	6" Raceway per foot - installed (plastic molded, secured with screws)	\$5.00	\$5.00
Item No	Communications Racks - Open Frame			Cost	Ext
70	1	55053-703	7' Aluminum relay rack; 19"W x 7"H x 3"D; Black; 45 RMU; No. of Posts - 2; Top Bar, installed, grounded (CPI)	\$220.00	\$220.00
71	1	66353-703	7' Aluminum relay rack; 19"W x 7"H x 6"D; Black; 45 RMU; No. of Posts - 2; Top Bar, installed, grounded (CPI)	\$220.00	\$220.00
72	1	11961-110	26" x 26" x 8.5" Thinline Wall Mount Cabinet (CPI) Includes fan kit	\$450.00	\$450.00
73	1	11961-111	26" x 26" x 12" Thinline Wall Mount Cabinet (CPI) Includes fan kit	\$450.00	\$450.00
74	1	11961-112	36" x 26" x 8.5" Thinline Wall Mount Cabinet (CPI) includes fan kit	\$560.00	\$560.00
75	1	11961-113	36" x 26" x 12" Thinline Wall Mount Cabinet (CPI) includes fan kit	\$560.00	\$560.00
76	1	11961-118	36" x 19" Open frame wall mounted rack, installed and grounded (CPI)	\$290.00	\$290.00
77	1	11807-718	48" x 19" Open frame wall mounted rack, installed and grounded (CPI)	\$315.00	\$315.00
78	1	11583-719	2RU Flush Mounted Wall Bracket (CPI)	\$40.00	\$40.00

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Item No	Communications Racks - Open Frame		Cost	Ext
79	1	10250-709	9" wide Telco ladder (runway) and mounting hardware per foot installed (CPI)	\$9.00 \$9.00
80	1	10250-712	12" wide Telco ladder (runway) and mounting hardware per foot installed (CPI)	\$10.00 \$10.00
81	1	11054-719	19" wide x 26" deep double sided shelf for open frame relay racks (CPI)	\$165.00 \$165.00
82	1	11245-719	19" Adjustable monitor shelf (CPI)	\$110.00 \$110.00
83	1	12193-701	19" Full Size Sliding Keyboard & Mouse Tray (CPI)	\$335.00 \$335.00
84	1	40752-719	19" Multi-Purpose Three Piece Shelf (CPI)	\$140.00 \$140.00
85	1	12816-703	19" Rack Mount Power Strip, 8 socket, 15 amp Surge protected with standard 5-15R plug, with circuit breaker	\$130.00 \$130.00
86	1	12816-707	19" Rack Mount Power Strip, 8 socket 20 amp Surge protected with standard 5-20R plug, with circuit breaker	\$140.00 \$140.00
87	1	12816-704	19" Rack Mount Power Strip, 8 socket, 15 amp surge protected with twist-lock 5-15R plug, with circuit breaker	\$120.00 \$120.00
88	1	12816-708	19" Rack Mount Power Strip, 8 socket 20 amp surge protected with twist-lock 5-20R plug, with circuit breaker	\$125.00 \$125.00
89	1	12848-702	66.5" Vertical Power Strip For Racks, 20 outlet 15 amp surge protected with standard 5-15R plug, and circuit breaker	\$180.00 \$180.00
90	1	12848-706	66.5" Vertical Power Strip For Racks, 20 outlet 20 amp surge protected with standard 5-20R plug, and circuit breaker	\$200.00 \$200.00
91	1	12848-704	66.5" Vertical Power Strip For Racks, 20 outlet 15 amp surge protected with twist-lock 5-15R plug, and circuit breaker	\$200.00 \$200.00
92	1	12848-708	66.5" Vertical Power Strip For Racks, 20 outlet 20 amp surge protected with twist-lock 5-20R plug, and circuit breaker	\$220.00 \$220.00
Item No	Communications Racks - Closed Frame		Cost	Ext
93	1	12324-722,11755-003,12816-703	36" x 19" Enclosed wall mounted rack with fans and 6 outlet internal power strip, installed and grounded	\$550.00 \$550.00
94	1	11890-748,12804-701,12820-703	48" x 19" Enclosed wall mounted rack with fans and 6 outlet internal power strip, installed and grounded	\$700.00 \$700.00
95	1	M1031-741,12480-701,13158-721	84" x 19" x 29" Enclosed freestanding 4 post rack with flow through front and back, solid sides, vented top with fans and 12 outlet power strips, and cable management, installed and grounded (black with aluminum front), CPI M Series Megaframe, Installed	\$1350.00 \$1350.00
96	1	12336-719	Solid shelf to fit M Series Megaframe	\$85.00 \$85.00
97	1	12338-719	Retractable shelf to fit M Series Megaframe	\$175.00 \$175.00
Item No	Communications Racks - Cable Management		Cost	Ext
98	1	30161-703	3.65" Double Sided 84" vertical cable manager (CPI) Close front cover	\$160.00 \$160.00
99	1	30162-703	6" Double Sided Wide Vertical Cabling Section (CPI) cable management for 84" relay rack	\$160.00 \$160.00
100	1	11752-719	2" Horizontal Cable manager-enclosed, installed	\$35.00 \$35.00
101	1	11752-720	4" Horizontal Cable manager-enclosed, installed	\$45.00 \$45.00
102	1	11752-721	6" Horizontal Cable manager-enclosed, installed	\$100.00 \$100.00
Item No	Interior - Pathway		Cost	Ext
103	1		Innerduct with jetline per foot, installed (sealed where required)	\$2.00 \$2.00
104	1		Self Supporting Outerduct per foot installed, including lightning suppression (sealed where required)	\$8.50 \$8.50
105	1	EMT-2	2" EMT Per foot installed, installed per NEC and local fire/electrical codes	\$4.00 \$4.00
106	1	EMT-3	3" EMT Per foot installed, installed per NEC and local fire/electrical codes	\$5.50 \$5.50
107	1	EMT-4	4" EMT Per foot installed, installed per NEC and local fire/electrical codes	\$5.50 \$5.50
108	1	NO BID	6" EMT Per foot installed, installed per NEC and local fire/electrical codes	\$6.00 \$6.00
109	1	EMT-5	1/2" conduit per foot, installed per NEC and local fire/electrical codes	\$2.00 \$2.00
110	1	EMT-75	3/4" conduit per foot, installed per NEC and local fire/electrical codes	\$2.50 \$2.50
111	1	EMT-1	1" conduit per foot, installed per NEC and local fire/electrical codes	\$3.00 \$3.00

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Interior - Pathway				Cost	Ext
Item No					
112	1	EMT-1.5	1 1/2" conduit per foot, installed per NEC and local fire/electrical codes	\$3.00	\$3.00
113	1	EMT-2	2" conduit per foot, installed per NEC and local fire/electrical codes	\$3.00	\$3.00
114	1		Copper Junction Box, to include installation, wall penetrations and hardware, installed per NEC and local fire/electrical codes	\$180.00	\$180.00
115	1		Fiber Junction Box, to include installation, wall penetrations and hardware, installed per NEC and local fire/electrical codes	\$180.00	\$180.00
Interior - Power Poles				Cost	Ext
116	1	25DTP-410	10' Dual Channel Power Pole, Installed but without electrical hookup.	\$120.00	\$120.00
117	1	25DTP-412	12' Dual Channel Power Pole, Installed but without electrical hookup.	\$150.00	\$150.00
118	1	25DTP-414	14' Dual Channel Power Pole, Installed but without electrical hookup.	\$190.00	\$190.00
119	1	25DTP-418	18' Dual Channel Power Pole, Installed but without electrical hookup.	\$240.00	\$240.00
120	1	25DTP-420	20' Dual Channel Power Pole, Installed but without electrical hookup.	\$250.00	\$250.00
Uninterruptible Power Supplies - percent over cost				% over cost	
121	1	APC UPS	Miscellaneous UPS Equipment from APC	8%	
122	1	MinuteMan UPS	Miscellaneous UPS Equipment from MinuteMan	8%	
123	1	Tripp Lite UPS	Miscellaneous UPS Equipment from Tripp Lite	8%	
CONSTRUCTION					
Firewall Penetrations				Cost	Ext
124	1		Solid wall (firewall) penetration costs including sleeving and firestopping where required by NEC and Local code	\$60.00	\$60.00
Wall Hardware				Cost	Ext
125	1	Misc	Backboard (3/4" x 4' x 8') fire rated or with 2 coats of fire rated paint or fire resistant wood, installed	\$85.00	\$85.00
126	1	Misc	Backboard (3/4" x 4' x 4') fire rated or with 2 coats of fire rated paint or fire resistant wood, installed	\$75.00	\$75.00
127	1	12035-001	2" Open composite distribution ring	\$3.75	\$3.75
128	1	12127-001	2" Closed composite distribution ring	\$3.75	\$3.75
129	1	10812-001	4" Closed composite distribution ring	\$3.75	\$3.75
Exterior Pathway				Cost	Ext
130	1	Misc	Horizontal boring per foot, including 4" PVC installed, with post-completion grounds repair (includes reseeding of grass and/or replacement of pavement or sidewalk)	\$24.00	\$24.00
131	1	Misc	Trenching per foot, including 4" PVC, installed, with post-completion grounds repair (includes reseeding of grass and/or replacement of pavement or sidewalk)	\$24.00	\$24.00
132	1	Misc	Installation of 2 J-boxes with required coring, connected to installed 4" PVC Conduit, sleeved and sealed as required	\$250.00	\$250.00
133	1	Misc	Wooden Pole, including boring, setting and support as required	\$550.00	\$550.00
134	1	Misc	Weatherhead on 2" rigid conduit installed (unistrut where required) - roof penetration to interior J-box, flashed and weather sealed. (max length 10ft)	\$400.00	\$400.00
135	1	Misc	Weatherhead on 2" rigid conduit installed (unistrut where required) - wall mounted to exterior J-boxes, flashed and weather sealed. (max length 10ft)	\$400.00	\$400.00
STRUCTURED CABLE REPAIR					

GOV CONNECTION PRICING

Item No			Face Plate Repair	Cost	Ext
136	1	Misc	Face Plate Repair, wall plate only, relabeling if required and reinstallation of connector in face plate.	\$5.00	\$5.00
137	1	Misc	Face Plate Repair, wall plate, labeling, new connector with retermination, recertification and reinstallation of connector in face plate	\$15.00	\$15.00
Item No			Fiber Optic Repair (.625)	Cost	Ext
138	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$2.50	\$2.50
139	1	Corning	Channel replacement of 12 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$3.00	\$3.00
140	1	Corning	Channel replacement of 24 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$3.50	\$3.50
141	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$2.50	\$2.50
Item No			Fiber Optic Repair (.5)	Cost	Ext
142	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$2.50	\$2.50
143	1	Corning	Channel replacement of 12 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$3.00	\$3.00
144	1	Corning	Channel replacement of 24 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$3.50	\$3.50
145	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$2.50	\$2.50
Item No			Fire Stopping Repair/Replacement	Cost	Ext
146	1	FSP	Repair for firestopping - for use when firestopping is disturbed during channel replacement (fiber and copper) up to 6"	\$15.00	\$15.00
147	1	FSP	Repair for firestopping - for use when firestopping is found to be missing (fiber and copper) up to 6"	\$20.00	\$20.00
148	1	Misc	Replacement of sleeving - 1/2" x 12" maximum to include end-nuts and firestopping	\$18.00	\$18.00
149	1	Misc	Replacement of sleeving - 3/4" x 12" maximum to include end-nuts and firestopping	\$20.00	\$20.00
150	1	Misc	Replacement of sleeving - 1" x 12" maximum to include end-nuts and firestopping	\$20.00	\$20.00
151	1	Misc	Replacement of sleeving - 2" x 12" maximum to include end-nuts and firestopping	\$25.00	\$25.00
152	1	Misc	Replacement of sleeving - 3" x 12" maximum to include end-nuts and firestopping	\$25.00	\$25.00
153	1	Misc	Replacement of sleeving - 4" x 12" maximum to include end-nuts and firestopping	\$30.00	\$30.00
154	1	Misc	Replacement of sleeving - 6" x 12" maximum to include end-nuts and firestopping	\$30.00	\$30.00
Item No			Cable Suspension Repair/Replacement	Cost	Ext
155	1	CAT32	Repair of cable suspension - J-Hook replacement	\$2.50	\$2.50
Item No			Raceway Repair/Replacement	Cost	Ext
156	1	Misc	1" Raceway per foot - installed (plastic molded, secured with screws)	\$2.00	\$2.00

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Raceway Repair/Replacement				Cost	Ext
157	1	Misc	2" Raceway per foot - Installed (plastic molded, secured with screws)	\$2.20	\$2.20
158	1	Misc	3" Raceway per foot - Installed (plastic molded, secured with screws)	\$3.00	\$3.00
159	1	Misc	4" Raceway per foot - Installed (plastic molded, secured with screws)	\$3.50	\$3.50
160	1	Misc	6" Raceway per foot - Installed (plastic molded, secured with screws)	\$4.00	\$4.00
Patch Panel Replacement				Cost	Ext
161	1	DP245E88110U	Patch Panel Replacement - 24 Port (Ortronics or Panduit), Installed	\$220.00	\$220.00
162	1	DP485E88110U	Patch Panel Replacement - 48 Port (Ortronics or Panduit), Installed	\$295.00	\$295.00
EMT Replacement				Cost	Ext
163	1	EMT-1	Replacement of 1" EMT per foot	\$2.00	\$2.00
164	1	EMT-2	Replacement of 2" EMT per foot	\$3.00	\$3.00
165	1	EMT-3	Replacement of 3" EMT per foot	\$3.50	\$3.50
166	1	EMT-4	Replacement of 4" EMT per foot	\$4.00	\$4.00
WIRELESS BRIDGE RELOCATION					
Wireless Bridge - Relocation				Cost	Ext
167	1	MISC	Removal and Remounting of Wireless Bridge	\$35.00	\$35.00
168	1	Labor	Installation of Cisco mounting bracket for building or portable	\$40.00	\$40.00
169	1	MISC	Steel pole 15' mounted to portable building with Unistrut	\$250.00	\$250.00
170	1	MISC	Grounding for access point and pole to include grounding and bonding (#6 Ground to portable building grounding system)	\$90.00	\$90.00
171	1	MISC	Portable IC Installation. Includes 2U Flush Mount Wall Bracket, to include bonding and grounding (#6 Ground to portable building grounding system)	\$290.00	\$290.00
172	1	MISC	50' Dual RG6 Coaxial Terminated externally at radio, using coax seal and super 33 electrical tape and internally at power injector inside portable	\$75.00	\$75.00
173	1	MISC	24" x 24" fire resistant backboard or backboard with 2 coats of fire rated paint, mounted	\$60.00	\$60.00
174	1	MISC	Sealing of core holes for coax and ground wire	\$15.00	\$15.00
GROUNDING AND BONDING					
Grounding and Bonding				Cost	Ext
175	1	TMGBB	TMGB installed in MDF, including ground to building frame per ANSI/EIA/TIA-607 as interpreted by BICSI	\$120.00	\$120.00
176	1	TGB	TGB installed in IDF, including ground to building frame per ANSI/EIA/TIA-607 as interpreted by BICSI	\$85.00	\$85.00
177	1	TMGB 1	TBB installed between TMGB and TGB per ANSI/EIA/TIA-607 as interpreted by BICSI, per foot	\$1.25	\$1.25
178	1	TGB 2	TBBIGB installed between TGB's per ANSI/EIA/TIA-607 as interpreted by BICSI, per foot	\$1.25	\$1.25
EQUIPMENT AND SUPPLIES					
Testing and Cleaning Equipment				Cost	Ext
179	1	FVM220x	FiberViewer Microscope - 200X - MM	\$425.00	\$425.00
180	1	VFL-2.5	VisiFault Visual Fault Locator with 2.5 mm universal adaptor	\$300.00	\$300.00
181	1	14100500	Cleotop Type "A" cassette fiber cleaner with cassette	\$95.00	\$95.00
182	1	14100600	Cleotop Type "B" cassette fiber cleaner with cassette	\$95.00	\$95.00
183	1	14100700	Cleotop Type "A" replacement cassette	\$45.00	\$45.00
184	1	14100710	Cleotop Type "B" replacement cassette	\$45.00	\$45.00

GOV CONNECTION PRICING

Item No	Testing and Cleaning Equipment			Cost	Ext
185	1	14100400	Cleotop 2.5mm swabs for FC, SC, and ST connectors, and for all other 2.5 mm ferrules	\$145.00	\$145.00
186	1	14100401	Cleotop 1.25mm for LC and MU connectors, and for all other 1.25 mm ferrules	\$145.00	\$145.00
INSTALLATION AND MANAGEMENT SERVICES					
Item No	Installation			Cost	Ext
187	1	Cable Tech	Installation - Cable Technician - Installer/hr.	\$35.00	\$35.00
188	1	Network Tech	Installation - Network Switch, including cable patching.	\$120.00	\$120.00
189	1	Network Tech 1	Installation - Network Switch Rack Re-arrangement, including cable patching	\$350.00	\$350.00
Item No	Design			Cost	Ext
190	1	Cable - RCDD	Design - RCDD/hr.	\$50.00	\$50.00
Item No	Project Management			Cost	Ext
191	1	Cable - Proj. Mngr	Project Management - Project Manager/hr.	\$50.00	\$50.00
Item No	Engineering			Cost	Ext
192	1	Comp Tech - Lvl 3	Engineering - Cisco CCIE/hr.	\$150.00	\$150.00
193	1	Comp Tech - Lvl 2	Engineering - Cisco CCNA/hr.	\$115.00	\$115.00
Cisco Network Electronics					
Item No	Hardware			% off list	
194	1	Cisco	All Cisco Hardware and Software	30%	
Miscellaneous Items					
Item No	Percent over Cost Items			Cost	Ext
195			Cost for items not listed (Percent over cost- provide manufacturer and percent over cost will be from MSRP or vendor can show discount from MSRP to include technology, telephone, surveillance, monitoring hardware and other related hardware for a turnkey installation. Submittals on list of manufacturers for Item 195 should be included on company letterhead with the proposal submitted. Also, vendor can include cabling products equal to or better than Siemon and or Commscope but specifications and analysis should be provided for evaluation purposes)	10	10
196			Installation per hour for items not listed	\$75.00	\$75.00
Item No	Miscellaneous Items			Cost	Ext
197	1	OSP	OSP 4-pair category 5e cable installed with DataLAN protectors, existing pathway	\$345.00	\$345.00
198	1	OSP	Messenger Installation with lashing wire, per foot, not including end supports	\$1.50	\$1.50
199	1	Coring	Core-hole penetration solid wall/ceiling 1"-1.75"	\$60.00	\$60.00
200	1	Coring	Core-hole penetration solid wall/ceiling 2"-3.5"	\$80.00	\$80.00
201	1	Coring	Core-hole penetration solid wall/ceiling 4" or larger	\$120.00	\$120.00
202	1	Circa	Lightning Suppression 25 pair, loaded w/fuses	\$365.00	\$365.00
203	1	Circa	Lightning Suppression 50 pair, loaded w/fuses	\$385.00	\$385.00
204	1	Circa	Lightning Suppression 100 pair, loaded w/fuses	\$395.00	\$395.00
205	1	ITWLinx	Lightning Suppression 4 pair, solid-state Category 5e	\$70.00	\$70.00

Trans-American Communications Price List

	Units	Brand or P/N	Description	Price	Ext. Price
STRUCTURED CABLING					
Copper Cabling - Terminated (Category 5E)					
Item No				Cost	Ext
1	1	Commscope or Siemon	Category 5e station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$134.00	\$134.00
2	1	Commscope or Siemon	Category 5e station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$148.50	\$148.50
3	1	Commscope or Siemon	Additional Category 5e station cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$121.50	\$121.50
4	1	Commscope or Siemon	Category 5e station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$133.20	\$133.20
5	1	Commscope or Siemon	Category 5e station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$148.50	\$148.50
6	1	Commscope or Siemon	Additional Category 5e station voice - cable run and terminated consecutively with the first station cable run , must include (1) 2 meter and (1) 3 meter patch cable to complete channel.	\$122.00	\$122.00
Copper Cabling - Terminated (Category 6)					
Item No				Cost	Ext
7	1	Commscope or Siemon	Category 6 station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	\$150.00	\$150.00
8	1	Commscope or Siemon	Category 6 station data cable - terminated in MC, IC, or HC on patch panel and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable.	\$170.00	\$170.00
9	1	Commscope or Siemon	Additional Category 6 station cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable.	\$135.00	\$135.00
10	1	Commscope or Siemon	Category 6 station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable	\$144.00	\$144.00
11	1	Commscope or Siemon	Category 6 station voice cable - terminated in MC, IC, or HC on a 110 block or 66 block and at station end in flush mounted wall plate assuming NO existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable	\$162.00	\$162.00
12	1	Commscope or Siemon	Additional Category 6 station voice cable run and terminated consecutively with the first station cable run, must include (1) 2 meter and (1) 3 meter patch cable.	\$135.00	\$135.00

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Copper Cabling - Terminated (Category 6)				Cost	Ext
13	1	Commscope or Siemon	Externally Rated Category 6 cable - terminated in MC, IC, or HC from station end to station end or in flush mounted wall plate assuming existing pathway (inner wall conduit, surface mount raceway, etc) is available at station end from ceiling space to connector, must include (1) 2 meter and (1) 3 meter patch cable	\$176.00	\$176.00
Video Distribution Cable (RG6 with "F" type termination)				Cost	Ext
14	1	RG-6 Vidrrp-no	RG-6 Video Drop with "F" type termination assuming NO existing pathway exists.	\$190.00	\$190.00
15	1	RG-6 Vidrrp	RG-6 Video Drop with "F" type termination assuming existing pathway exists.	\$175.00	\$175.00
16	1	RG-6 Vidrrp-add	Additional RG-6 Video Drop with "F" type run and terminated consecutively with first cable run.	\$135.00	\$135.00
Fiber Optic Cabling - Terminated (.625)				Cost	Ext
17	1	012K88-3310-29	12 Strand Multimode fiber cable per/foot terminated	\$6.00	\$6.00
18	1	024K88-3310-29	24 Strand Multimode fiber cable per/foot terminated	\$7.00	\$7.00
19	1	012KWA-T4130A20	12 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	\$7.00	\$7.00
20	1	024KWA-T4130A20	24 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	\$9.00	\$9.00
21	1	012KW4-T4130D20	12 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	\$7.00	\$7.00
22	1	024KWC-T4130D20	24 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	\$8.00	\$8.00
23	1	012K88-3310-A3	12 Strand Armored fiber cable per/foot terminated	\$7.00	\$7.00
24	1	024K88-3310-A3	24 Strand Armored fiber cable per/foot terminated	\$11.00	\$11.00
Fiber Optic Cabling - Terminated (.5)				Cost	Ext
25	1	012S88-3340-29	12 Strand Multimode fiber cable per/foot terminated	\$7.00	\$7.00
26	1	024S88-3340-29	24 Strand Multimode fiber cable per/foot terminated	\$8.00	\$8.00
27	1	012CWA-T4131A20	12 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	\$7.00	\$7.00
28	1	024CWA-T4131A20	24 Strand Exterior Self Supporting Multimode fiber cable per/foot terminated	\$9.00	\$9.00
29	1	012CW4-T4131D20	12 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	\$7.00	\$7.00
30	1	024CW4-T4131D20	24 Strand Exterior Direct Buried Multimode fiber cable per/foot terminated	\$9.00	\$9.00
31	1	012C88-3331-A3	12 Strand Armored fiber cable per/foot terminated	\$7.00	\$7.00
32	1	024S88-3340	24 Strand Armored fiber cable per/foot terminated	\$11.00	\$11.00
Patch Cords - Copper				Cost	Ext
33	1	Please specify	Certified Category 5e Patch Cord 1 meter installed	\$6.00	\$6.00
34	1	Please specify	Certified Category 5e Patch Cord 2 meter installed	\$7.00	\$7.00
35	1	Please specify	Certified Category 5e Patch Cord 3 meter installed	\$8.00	\$8.00
36	1	Please specify	Certified Category 5e Patch Cord 5 meter installed	\$9.00	\$9.00
37	1	Please specify	Certified Category 5e Patch Cord 7 meter installed	\$10.00	\$10.00
38	1	Commscope or Siemon	Certified Category 6 Patch Cord 1 meter installed	\$10.00	\$10.00
39	1	Commscope or Siemon	Certified Category 6 Patch Cord 2 meter installed	\$12.00	\$12.00
40	1	Commscope or Siemon	Certified Category 6 Patch Cord 3 meter installed	\$13.00	\$13.00
41	1	Commscope or Siemon	Certified Category 6 Patch Cord 4 meter installed	\$15.00	\$15.00
42	1	Commscope or Siemon	Certified Category 6 Patch Cord 7 meter installed	\$16.00	\$16.00
Patch Cords - Fiber				Cost	Ext
43	1	FJ2-STSC-MM-01	Fiber Patch Cable 1 meter duplex SC-ST Installed .5 or .625 micron	\$22.00	\$22.00
44	1	FJ2-STSC-MM-02	Fiber Patch Cable 2 meter duplex SC-ST Installed .5 or .625 micron	\$23.00	\$23.00
45	1	FJ2-STSC-MM-03	Fiber Patch Cable 3 meter duplex SC-ST Installed .5 or .625 micron	\$25.00	\$25.00
46	1	FJ2-STSC-MM-05	Fiber Patch Cable 5 meter duplex SC-ST Installed .5 or .625 micron	\$27.00	\$27.00

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Patch Cords - Fiber				Cost	Ext
Item No					
47	1	FJ2-SCSC-MM-01	Fiber Patch Cable 1 meter duplex SC-SC Installed .5 or .625 micron	\$26.00	\$26.00
48	1	FJ2-SCSC-MM-02	Fiber Patch Cable 2 meter duplex SC-SC Installed .5 or .625 micron	\$28.00	\$28.00
49	1	FJ2-SCSC-MM-03	Fiber Patch Cable 3 meter duplex SC-SC Installed .5 or .625 micron	\$29.00	\$29.00
50	1	FJ2-SCSC-MM-05	Fiber Patch Cable 5 meter duplex SC-SC Installed .5 or .625 micron	\$32.00	\$32.00
51	1	FJ2-LCSC-MM-01	Fiber Patch Cable 1 meter duplex SC-LC Installed .5 or .625 micron	\$32.00	\$32.00
52	1	FJ2-LCSC-MM-02	Fiber Patch Cable 2 meter duplex SC-LC Installed .5 or .625 micron	\$33.00	\$33.00
53	1	FJ2-LCSC-MM-03	Fiber Patch Cable 3 meter duplex SC-LC Installed .5 or .625 micron	\$34.00	\$34.00
54	1	FJ2-LCSC-MM-05	Fiber Patch Cable 5 meter duplex SC-LC Installed .5 or .625 micron	\$37.00	\$37.00
Cross Connect Cable (voice backbone cable)				Cost	Ext
Item No					
55	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$4.50	\$4.50
56	1	50-pair with 2 48-port panels	50 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$5.60	\$5.60
57	1	100-pair with 4 48-port panels	100 pair 24 gauge plenum rated, category 3, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$7.80	\$7.80
58	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$6.75	\$6.75
59	1	2 25-pairs with 2 48-port panels	50 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$11.20	\$11.20
60	1	4 25-pairs with 4 48-port panels	100 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Internally rated	\$23.00	\$23.00
61	1	25-pair with 2 24-port panels	25 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	\$8.00	\$8.00
62	1	50-pair with 2 48-port panels	50 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	\$14.00	\$14.00
63	1	100-pair with 4 48-port panels	100 pair 24 gauge plenum rated, category 5e, cross connect cable - per foot terminated on patch panel or 110 block - Externally rated	\$28.00	\$28.00
Cable Removal				Cost	Ext
Item No					
64	1	Labor	Non functional cable removal per hour (copper or fiber)	\$42.00	\$42.00
CABLE PLANT HARDWARE					
Raceway				Cost	Ext
Item No					
65	1	Panduit	1" Raceway per foot - installed (plastic molded, secured with screws)	\$6.00	\$6.00
66	1	Panduit	2" Raceway per foot - installed (plastic molded, secured with screws)	\$6.00	\$6.00
67	1	Panduit	3" Raceway per foot - installed (plastic molded, secured with screws)	\$7.00	\$7.00
68	1	Panduit	4" Raceway per foot - installed (plastic molded, secured with screws)	\$8.00	\$8.00
69	1	Panduit	6" Raceway per foot - installed (plastic molded, secured with screws)	\$9.00	\$9.00
Communications Racks - Open Frame				Cost	Ext
Item No					
70	1	55053-703	7' Aluminum relay rack; 19"W x 7"H x 3"D; Black; 45 RMU; No. of Posts - 2; Top Bar, installed, grounded (CPI)	\$235.00	\$235.00
71	1	66353-703	7' Aluminum relay rack; 19"W x 7"H x 6"D; Black; 45 RMU; No. of Posts - 2; Top Bar, installed, grounded (CPI)	\$335.00	\$335.00
72	1	11961-110	26" x 26" x 8.5" Thinline Wall Mount Cabinet (CPI) includes fan kit	\$521.00	\$521.00
73	1	11961-111	26" x 26" x 12" Thinline Wall Mount Cabinet (CPI) includes fan kit	\$555.00	\$555.00
74	1	11961-112	36" x 26" x 8.5" Thinline Wall Mount Cabinet (CPI) includes fan kit	\$625.00	\$625.00
75	1	11961-113	36" x 26" x 12" Thinline Wall Mount Cabinet (CPI) includes fan kit	\$680.00	\$680.00
76	1	11961-118	36" x 19" Open frame wall mounted rack, installed and grounded (CPI)	\$345.00	\$345.00
77	1	11807-718	48" x 19" Open frame wall mounted rack, installed and grounded (CPI)	\$460.00	\$460.00
78	1	11583-719	2RU Flush Mounted Wall Bracket (CPI)	\$60.00	\$60.00

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Communications Racks - Open Frame				Cost	Ext
Item No					
79	1	10250-709	9" wide Telco ladder (runway) and mounting hardware per foot installed (CPI)	\$16.00	\$16.00
80	1	10250-712	12" wide Telco ladder (runway) and mounting hardware per foot installed (CPI)	\$17.00	\$17.00
81	1	11054-719	19" wide x 26" deep double sided shelf for open frame relay racks (CPI)	\$200.00	\$200.00
82	1	11245-719	19" Adjustable monitor shelf (CPI)	\$187.00	\$187.00
83	1	12193-701	19" Full Size Sliding Keyboard & Mouse Tray (CPI)	\$340.00	\$340.00
84	1	40752-719	19" Multi-Purpose Three Piece Shelf (CPI)	\$175.00	\$175.00
85	1	12816-703	19" Rack Mount Power Strip, 8 socket, 15 amp Surge protected with standard 5-15R plug, with circuit breaker	\$180.00	\$180.00
86	1	12816-707	19" Rack Mount Power Strip, 8 socket 20 amp Surge protected with standard 5-20R plug, with circuit breaker	\$185.00	\$185.00
87	1	12816-704	19" Rack Mount Power Strip, 8 socket, 15 amp surge protected with twist-lock 5-15R plug, with circuit breaker	\$155.00	\$155.00
88	1	12816-708	19" Rack Mount Power Strip, 8 socket 20 amp surge protected with twist-lock 5-20R plug, with circuit breaker	\$165.00	\$165.00
89	1	12848-702	66.5" Vertical Power Strip For Racks, 20 outlet 15 amp surge protected with standard 5-15R plug, and circuit breaker	\$245.00	\$245.00
90	1	12848-706	66.5" Vertical Power Strip For Racks, 20 outlet 20 amp surge protected with standard 5-20R plug, and circuit breaker	\$245.00	\$245.00
91	1	12848-704	66.5" Vertical Power Strip For Racks, 20 outlet 15 amp surge protected with twist-lock 5-15R plug, and circuit breaker	\$265.00	\$265.00
92	1	12848-708	66.5" Vertical Power Strip For Racks, 20 outlet 20 amp surge protected with twist-lock 5-20R plug, and circuit breaker	\$265.00	\$265.00
Communications Racks - Closed Frame				Cost	Ext
Item No					
93	1	12324-722,11755-003,12816-703	36" x 19" Enclosed wall mounted rack with fans and 6 outlet internal power strip, installed and grounded	\$1035.00	\$1035.00
94	1	11890-748,12804-701,12820-703	48" x 19" Enclosed wall mounted rack with fans and 6 outlet internal power strip, installed and grounded	\$1055.00	\$1055.00
95	1	M1031-741,12480-701,13158-721	84" x 19" x 29" Enclosed freestanding 4 post rack with flow through front and back, solid sides, vented top with fans and 12 outlet power strips, and cable management, installed and grounded (black with aluminum front), CPI M Series Megafame, Installed	\$2300.00	\$2300.00
96	1	12338-719	Solid shelf to fit M Series Megafame	\$135.00	\$135.00
97	1	12338-719	Retractable shelf to fit M Series Megafame	\$255.00	\$255.00
Communications Racks - Cable Management				Cost	Ext
Item No					
98	1	30161-703	3.65" Double Sided 84" vertical cable manager (CPI) Close front cover	\$375.00	\$375.00
99	1	30162-703	6" Double Sided Wide Vertical Cabling Section (CPI) cable management for 84" relay rack	\$450.00	\$450.00
100	1	11752-719	2" Horizontal Cable manager-enclosed, installed	\$48.00	\$48.00
101	1	11752-720	4" Horizontal Cable manager-enclosed, installed	\$66.00	\$66.00
102	1	11752-721	6" Horizontal Cable manager-enclosed, installed	\$127.00	\$127.00
Interior - Pathway				Cost	Ext
Item No					
103	1		Innerduct with jettline per foot, installed (sealed where required)	\$3.65	\$3.65
104	1		Self Supporting Outerduct per foot installed, including lightning supression (sealed where required)	\$10.25	\$10.25
105	1	EMT-2	2" EMT Per foot installed, installed per NEC and local fire/electrical codes	\$5.25	\$5.25
106	1	EMT-3	3" EMT Per foot installed, installed per NEC and local fire/electrical codes	\$6.10	\$6.10
107	1	EMT-4	4" EMT Per foot installed, installed per NEC and local fire/electrical codes	\$8.10	\$8.10
108	1	NO BID	6" EMT Per foot installed, installed per NEC and local fire/electrical codes	\$12.00	\$12.00
109	1	EMT-5	1/2 " conduit per foot, installed per NEC and local fire/electrical codes	\$4.25	\$4.25
110	1	EMT-75	3/4" conduit per foot, installed per NEC and local fire/electrical codes	\$4.65	\$4.65
111	1	EMT-1	1" conduit per foot, installed per NEC and local fire/electrical codes	\$5.10	\$5.10

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Interior - Pathway				Cost	Ext
112	1	EMT-1.5	1 1/2" conduit per foot, installed per NEC and local fire/electrical codes	\$5.10	\$5.10
113	1	EMT-2	2" conduit per foot, installed per NEC and local fire/electrical codes	\$5.45	\$5.45
114	1		Copper Junction Box, to include installation, wall penetrations and hardware, installed per NEC and local fire/electrical codes	\$245.00	\$245.00
115	1		Fiber Junction Box, to include installation, wall penetrations and hardware, installed per NEC and local fire/electrical codes	\$245.00	\$245.00
Interior - Power Poles				Cost	Ext
116	1	25DTP-410	10' Dual Channel Power Pole, installed but without electrical hookup.	\$171.00	\$171.00
117	1	25DTP-412	12' Dual Channel Power Pole, installed but without electrical hookup.	\$196.00	\$196.00
118	1	25DTP-414	14' Dual Channel Power Pole, installed but without electrical hookup.	\$210.00	\$210.00
119	1	25DTP-418	18' Dual Channel Power Pole, installed but without electrical hookup.	\$275.00	\$275.00
120	1	25DTP-420	20' Dual Channel Power Pole, installed but without electrical hookup.	\$310.00	\$310.00
Uninterruptible Power Supplies - percent over cost				% over cost	
121	1	APC UPS	Miscellaneous UPS Equipment from APC	12	12
122	1	MinuteMan UPS	Miscellaneous UPS Equipment from MinuteMan	12	12
123	1	Tripp Lite UPS	Miscellaneous UPS Equipment from Tripp Lite	12	12
CONSTRUCTION					
Firewall Penetrations				Cost	Ext
124	1		Solid wall (firewall) penetration costs including sleeving and firestopping where required by NEC and Local code	\$225.00	\$225.00
Wall Hardware				Cost	Ext
125	1	Misc	Backboard (3/4" x 4' x 8') fire rated or with 2 coats of fire rated paint or fire resistant wood, installed	\$155.00	\$155.00
126	1	Misc	Backboard (3/4" x 4' x 4') fire rated or with 2 coats of fire rated paint or fire resistant wood, installed	\$110.00	\$110.00
127	1	12035-001	2" Open composite distribution ring	\$5.25	\$5.25
128	1	12127-001	2" Closed composite distribution ring	\$5.25	\$5.25
129	1	10812-001	4" Closed composite distribution ring	\$7.00	\$7.00
Exterior Pathway				Cost	Ext
130	1	Misc	Horizontal boring per foot, including 4" PVC installed, with post-completion grounds repair (includes reseeding of grass and/or replacement of pavement or sidewalk)	\$35.00	\$35.00
131	1	Misc	Trenching per foot, including 4" PVC, installed, with post-completion grounds repair (includes reseeding of grass and/or replacement of pavement or sidewalk)	\$29.00	\$29.00
132	1	Misc	Installation of 2 J-boxes with required coring, connected to installed 4" PVC Conduit, sleeved and sealed as required	\$350.00	\$350.00
133	1	Misc	Wooden Pole, including boring, setting and support as required	\$620.00	\$620.00
134	1	Misc	Weatherhead on 2" rigid conduit installed (unistrut where required) - roof penetration to interior J-box, flashed and weather sealed. (max length 10ft)	\$480.00	\$480.00
135	1	Misc	Weatherhead on 2" rigid conduit installed (unistrut where required) - wall mounted to exterior J-boxes, flashed and weather sealed. (max length 10ft)	\$455.00	\$455.00
STRUCTURED CABLE REPAIR					

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Item No		Face Plate Repair		Cost	Ext
136	1	Misc	Face Plate Repair, wall plate only, relabeling if required and reinstallation of connector in face plate.	\$6.50	\$6.50
137	1	Misc	Face Plate Repair, wall plate, labeling, new connector with retermination, recertification and reinstallation of connector in face plate	\$25.00	\$25.00
Item No		Fiber Optic Repair (.625)		Cost	Ext
138	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$6.10	\$6.10
139	1	Corning	Channel replacement of 12 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$6.80	\$6.80
140	1	Corning	Channel replacement of 24 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$9.10	\$9.10
141	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$5.75	\$5.75
Item No		Fiber Optic Repair (.5)		Cost	Ext
142	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$5.75	\$5.75
143	1	Corning	Channel replacement of 12 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$6.60	\$6.60
144	1	Corning	Channel replacement of 24 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$7.50	\$7.50
145	1	Corning	Channel replacement of 6 strand fiber per foot - including termination, connectors, bulkheads, mounted in existing fiber cabinet. (Include certification and test results)	\$5.75	\$5.75
Item No		Fire Stopping Repair/Replacement		Cost	Ext
146	1	FSP	Repair for firestopping - for use when firestopping is disturbed during channel replacement (fiber and copper) up to 6"	\$24.00	\$24.00
147	1	FSP	Repair for firestopping - for use when firestopping is found to be missing (fiber and copper) up to 6"	\$24.00	\$24.00
148	1	Misc	Replacement of sleeving - 1/2" x 12" maximum to include end-nuts and firestopping	\$45.00	\$45.00
149	1	Misc	Replacement of sleeving - 3/4" x 12" maximum to include end-nuts and firestopping	\$55.00	\$55.00
150	1	Misc	Replacement of sleeving - 1" x 12" maximum to include end-nuts and firestopping	\$58.00	\$58.00
151	1	Misc	Replacement of sleeving - 2" x 12" maximum to include end-nuts and firestopping	\$90.00	\$90.00
152	1	Misc	Replacement of sleeving - 3" x 12" maximum to include end-nuts and firestopping	\$110.00	\$110.00
153	1	Misc	Replacement of sleeving - 4" x 12" maximum to include end-nuts and firestopping	\$145.00	\$145.00
154	1	Misc	Replacement of sleeving - 6" x 12" maximum to include end-nuts and firestopping	\$155.00	\$155.00
Item No		Cable Suspension Repair/Replacement		Cost	Ext
155	1	CAT32	Repair of cable suspension - J-Hook replacement	\$5.00	\$5.00
Item No		Raceway Repair/Replacement		Cost	Ext
156	1	Misc	1" Raceway per foot - installed (plastic molded, secured with screws)	\$5.20	\$5.20

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Item No	Raceway Repair/Replacement		Cost	Ext	
157	1	Misc	2" Raceway per foot - installed (plastic molded, secured with screws)	\$6.25	\$6.25
158	1	Misc	3" Raceway per foot - installed (plastic molded, secured with screws)	\$7.25	\$7.25
159	1	Misc	4" Raceway per foot - installed (plastic molded, secured with screws)	\$8.25	\$8.25
160	1	Misc	6" Raceway per foot - installed (plastic molded, secured with screws)	\$9.25	\$9.25
Item No	Patch Panel Replacement		Cost	Ext	
161	1	DP245E88110U	Patch Panel Replacement - 24 Port (Ortronics or Panduit), installed	\$275.00	\$275.00
162	1	DP485E88110U	Patch Panel Replacement - 48 Port (Ortronics or Panduit), installed	\$340.00	\$340.00
Item No	EMT Replacement		Cost	Ext	
163	1	EMT 1	Replacement of 1" EMT per foot	\$4.25	\$4.25
164	1	EMT-2	Replacement of 2" EMT per foot	\$5.25	\$5.25
165	1	EMT-3	Replacement of 3" EMT per foot	\$7.25	\$7.25
166	1	EMT-4	Replacement of 4" EMT per foot	\$8.25	\$8.25
WIRELESS BRIDGE RELOCATION					
Item No	Wireless Bridge - Relocation		Cost	Ext	
167	1	MISC	Removal and Remounting of Wireless Bridge	\$85.00	\$85.00
168	1	Labor	Installation of Cisco mounting bracket for building or portable	\$195.00	\$195.00
169	1	MISC	Steel pole 15' mounted to portable building with Unistrut	\$325.00	\$325.00
170	1	MISC	Grounding for access point and pole to include grounding and bonding (#8 Ground to portable building grounding system)	\$150.00	\$150.00
171	1	MISC	Portable IC Installation. Includes 2U Flush Mount Wall Bracket, to include bonding and grounding (# 6 Ground to portable building grounding system)	\$345.00	\$345.00
172	1	MISC	50' Dual RG6 Coaxial Terminated externally at radio. using coax seal and super 33 electrical tape and internally at power injector inside portable	\$225.00	\$225.00
173	1	MISC	24" x 24" fire resistant backboard or backboard with 2 coats of fire rated paint, mounted	\$90.00	\$90.00
174	1	MISC	Sealing of core holes for coax and ground wire	\$30.00	\$30.00
GROUNDING AND BONDING					
Item No	Grounding and Bonding		Cost	Ext	
175	1	TMGBB	TMGB installed in MDF, including ground to building frame per ANSI/EIA/TIA-607 as interpreted by BICSI	\$250.00	\$250.00
176	1	TGB	TGB installed in IDF, including ground to building frame per ANSI/EIA/TIA-607 as interpreted by BICSI	\$225.00	\$225.00
177	1	TMGB 1	TDB installed between TMGB and TGB per ANSI/EIA/TIA-607 as interpreted by BICSI, per foot	\$4.00	\$4.00
178	1	TGB 2	TBBIGB installed between TGB's per ANSI/EIA/TIA-607 as interpreted by BICSI, per foot	\$5.00	\$5.00
EQUIPMENT AND SUPPLIES					
Item No	Testing and Cleaning Equipment		Cost	Ext	
179	1	FVM220x	FiberViewer Microscope - 200X - MM	No Response	
180	1	VFL-2.5	VisiFault Visual Fault Locator with 2.5 mm universal adaptor	No Response	
181	1	14100500	Cletope Type "A" cassette fiber cleaner with cassette	No Response	
182	1	14100800	Cletope Type "B" cassette fiber cleaner with cassette	No Response	
183	1	14100700	Cletope Type "A" replacement cassette	No Response	
184	1	14100710	Cletope Type "B" replacement cassette	No Response	

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Testing and Cleaning Equipment				Cost	Ext
185	1	14100400	Cletopt 2.5mm swabs for FC, SC, and ST connectors, and for all other 2.5 mm ferrules	No Response	
186	1	14100401	Cletopt 1.25mm for LC and MU connectors, and for all other 1.25 mm ferrules	No Response	
INSTALLATION AND MANAGEMENT SERVICES					
Installation				Cost	Ext
187	1	Cable Tech	Installation - Cable Technician - Installer/hr.	\$42.00	\$42.00
188	1	Network Tech	Installation - Network Switch, including cable patching.	\$85.00	\$85.00
189	1	Network Tech 1	Installation - Network Switch Rack Re-arrangement, including cable patching	\$110.00	\$110.00
Design				Cost	Ext
190	1	Cable - RCDD	Design - RCDD/hr.	\$65.00	\$65.00
Project Management				Cost	Ext
191	1	Cable - Proj. Mngr	Project Management - Project Manager/hr.	\$65.00	\$65.00
Engineering				Cost	Ext
192	1	Comp Tech - Lvl 3	Engineering - Cisco CCIE/hr.	No Response	
193	1	Comp Tech - Lvl 2	Engineering - Cisco CCNA/hr.	No Response	
Cisco Network Electronics					
Hardware				% off list	
194	1	Cisco	All Cisco Hardware and Software	No Response	
Miscellaneous Items					
Percent over Cost Items				Cost	Ext
195			Cost for items not listed (Percent over cost- provide manufacturer and percent over cost will be from MSRP or vendor can show discount from MSRP to include technology, telephone, surveillance, monitoring hardware and other related hardware for a turnkey installation. Submittals on list of manufacturers for item 195 should be included on company letterhead with the proposal submitted. Also, vendor can include cabling products equal to or better than Siemon and or Commscope but specifications and analysis should be provided for evaluation purposes)	12%	12%
196			Installation per hour for items not listed	\$64.00	\$64.00
Miscellaneous Items					
Miscellaneous Items				Cost	Ext
197	1	OSP	OSP 4-pair category 5e cable installed with DataLAN protectors, existing pathway	\$310.00	\$310.00
198	1	OSP	Messenger installation with lashing wire, per foot, not including end supports	\$2.80	\$2.80
199	1	Coring	Core-hole penetration solid wall/ceiling 1"-1.75"	\$200.00	\$200.00
200	1	Coring	Core-hole penetration solid wall/ceiling 2"-3.5"	\$250.00	\$250.00
201	1	Coring	Core-hole penetration solid wall/ceiling 4" or larger	\$275.00	\$275.00
202	1	Circa	Lightning Suppression 25 pair, loaded w/fuses	\$400.00	\$400.00
203	1	Circa	Lightning Suppression 50 pair, loaded w/fuses	\$500.00	\$500.00
204	1	Circa	Lightning Suppression 100 pair, loaded w/fuses	\$600.00	\$600.00
205	1	ITWLinx	Lightning Suppression 4 pair, solid-state Category 5e	\$150.00	\$150.00