STATE OF NEW YORK

JUDICIARY

—REQUEST FOR BID/PROPOSAL—

(This is not an order)
BID MUST BE MADE ON THIS SHEET
OR AS OTHERWISE SPECIFIED

Bid Number: **OCA/DOT-126** **Issue Date:10/29/2007**	**Commodity Group:**
Opening Date: **NOVEMBER 20, 2007** **Time: 3:00 PM**	**Commodity Name:** **NETWORK CABLING**

Marie-Claude Ceppi
NYS Office of Court Administration
25 Beaver Street, R-840
New York, NY 10004
(Agency Name and Address)

Direct Inquiries to: Marie-Claude Ceppi
Telephone No.: 212-428-2727
Email: Mceppi@courts.state.ny.us

Price to include delivery to (describe exact location and method of delivery)

Per attached RFB/RFP Specifications

OFFICE OF GENERAL SERVICES "GENERAL SPECIFICATIONS" ARE FULLY INCORPORATED HEREIN.

Agency's Specification of item(s) Required (include quantities)	Bidder's Quotation and Specific Description of Item Offered
UCS ATTACHMENTS I AND III AND IV INCORPORATED HEREIN.	Respondents are to submit all required documentation and pricing in the format prescribed by the attached RFB/RFP Specifications.

NOTICE TO BIDDERS

Pursuant to the Rules and Regulations of the Chief Administrator for the Courts, sealed responses for furnishing the item(s) in this Solicitation will be received at the above address. When submitting a response, you must:

1. Complete this form in its entirety using ink or typewriter and return with all other documents.

2. Explain any deviations or qualifications if your response deviates from the specifications. If necessary, attach a separate sheet setting forth such explanations.

3. Sign the Solicitation Forms. The Bid/Proposal response must be completed in the name of the respondent (corporate or other) and must be fully and properly executed by an authorized person.

4. INDICATE THE SOLICITATION NUMBER, THE OPENING DATE AND TIME ON THE ENVELOPE CONTAINING THE SEALED RESPONSE.

5. Mail the bid/proposal response to the above agency address in sufficient time for it to be received before the specified bid opening. LATE RESPONSES WILL BE REJECTED.

BIDDER HEREBY CERTIFIES THAT THE ABOVE QUOTED (OR OTHERWISE NOTED) PRICES ARE APPLICABLE TO ALL CUSTOMERS FOR COMPARABLE QUANTITIES, QUALITY, STYLES OR SERVICES.

RESPONSES MUST BE SIGNED

Bidder's Firm Name		Employer's Federal Identification Number	
Address Street	City	State	Zip
Bidder's Signature		Official Title	
Printed or Typed Copy of Signature		Area Code/ Telephone Number Email Address	

OCA/DOT-126 Bid Opening: November 20, 2007
3:00 pm

DOCUMENTS ENCLOSURE CHECKLIST

The following documents, including the all pricing sheets, must be fully executed and included in bidder's proposal. Failure to do so may disqualify bidder's response:

____ UCS Request for Bid Form with original signature
____ Attachment I, p.3 - Non-Collusive Bidding Certificate
____ Attachment I, p.4 - Corporate Acknowledgment
____ Attachment III - Vendor Responsibility Questionnaire
__ paper questionnaire
__ questionnaire file online via OSC VendRep System
____ Attachment IV - Procurement Lobbying Forms
__ Disclosure of Prior Non-Responsibility Determination (UCS 420)
__ Affirmation of Understanding and Agreement (UCS 421)
__ Termination Clause (UCS 423)
____ Organizational Chart
____ List of at least three (3) references (names, contacts, addresses, phone numbers, emails)
____ Five (5) complete copies of the original bid response
____ Signed Documents Enclosure Checklist

To be complete, a bidder's bid response must include ALL the above documents. All documents requiring an original signature must bear the BLUE INK signature of the same authorized individual. Signatory notarization must be that of the person whose signature is affixed to all required documents.

Company Name: _____
Authorized Officer's Name and Title:
_____
_____
Signature: _____ Date: _____

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I. The RFB/RFP Process

Note to Bidders

1. Attachment I - Standard Request for Bid Clauses & Forms and Attachment IV- Procurement Lobbying Law required forms

In addition to such other specifications and criteria as are presented herein, the NYS Unified Court System Attachment I - Standard Request for Bid Clauses & Forms, Attachment IV - Disclosure of Prior Non-Responsibility Determination (UCS 420) as well as Affirmation of Understanding and Agreement (UCS 421) and Termination Clause (UCS 423) pursuant to the Procurement Lobbying Act, which must be downloaded or printed from the UCS Contract & Procurement website under "Addenda" for the appropriate solicitation, are incorporated and made a part hereof.

2. Attachment III - Vendor Responsibility Questionnaire

The NYS Unified Court System (hereafter "UCS") is required to conduct a review of a prospective contractor to provide reasonable assurances that the vendor is responsible. The required Vendor Responsibility Questionnaire is designed to provide information to assist UCS in assessing a vendor's responsibility prior to entering into a contract with the vendor. Vendor responsibility is determined by a review of each prospective contractor's legal authority to do business in New York State, business integrity, financial and organizational resources, and performance history (including references).

Bidders are invited to file the required Vendor Responsibility Questionnaire online via the New York State VendRep System or may choose to complete and submit a paper questionnaire. To enroll and use the New York State VendRep System, see the VendRep System Instructions available at www.osc.state.ny.us/vendrep or go directly to the VendRep System online at https://portal.osc.state.ny.us. For direct VendRep System user assistance, the OSC Help Desk may be reached at 866-370-4672 or 518-408-4672 or by email at helpdesk@osc.state.ny.us. Vendors opting to file a paper questionnaire can obtain the appropriate questionnaire from the VendRep website www.osc.state.ny.us/vendrep or may contact the Unified Court System or the Office of the State Comptroller for a copy of the paper form.
Bidders who file the vendor responsibility questionnaire online via the OSC VendRep System are requested to checkmark the appropriate box on the Document Enclosure Checklist. Bidders' authorized signature of the RRB/RFP Form will serve as confirmation that bidders have knowingly filed their questionnaire online.

Online RFB/RFP Package : Disclaimer:
Bidders accessing any Unified Court System/Office of Court Administration (hereafter "UCS/OCA") solicitations and related documents from the New York State UCS website www.nycourts.gov/admin/bids under "Current Solicitations" shall remain solely and wholly responsible for reviewing the respective solicitation & bid documents on the internet regularly, up to the scheduled date and time of the bid/proposal due date, to ensure their knowledge of any amendments, addenda, modifications or other information affecting the solicitation or bid documents in question.

Questions:
Questions may be addressed **in writing** only, by e-mail or by fax, to:

Christopher Grimaldi
Principal Network Technologist
NYS Office of Court Administration
Division of Technology
New York, NY 10004
Fax: 212-401-9021 Email: cgrimald@courts.state.ny.us

The **deadline** to submit questions is **November 9, 2007 at 5:00 pm.** No questions will be entertained after this deadline. All questions will be answered individually in writing and a Questions & Answers (Q&A) with all the questions received and their answers will be posted on the UCS website.
IMPORTANT: All questions regarding this solicitation must be directed solely to the attention of the above-designated person. Contact by any prospective bidder, or any representative thereof, with any other personnel of the UCS/OCA including the Division of Technology (hereafter "DOT") in connection with this RFB/RFP may violate the Procurement Lobbying Act of 2005 (see Attachment IV), will jeopardize the respective bidder's standing and may cause rejection of its proposal.

Bid Response/Proposal: Original and Copies:
Bidders shall submit all the following required **original RFB/RFP documents:** Bid/Proposal; Executed RFB/RFP Form; Attachment I - pages 3 and 4 of 10; Attachment III - Vendor Responsibility Questionnaire (Checkmark appropriate box in Document Enclosure Checklist for paper questionnaire or online submission); Attachment IV - Disclosure of Prior Non-Responsibility Determinations UCS 420, Affirmation of Understanding and Agreement UCS 421 and Termination Clause UCS 423; and any other required documentation, brochures, etc. listed on the Document Enclosure Checklist.

Failure to provide all original documents or the failure to provide the requested number of copies may result in disqualification of a bidder's response.

Binding Nature of Bid/Proposal on Bidders:
All bids/proposals shall remain binding on bidders until such time as the Office of Court Administration (hereafter "OCA") provides written notification of its intent to award the contract to a specific bidder or until the bidder withdraws its bid/proposal in writing, whichever occurs first.

Packaging, Identifying and Delivering of Bids/Proposals:
Bidders may **not** submit their bid/proposal responses online.
Bids/Proposals must be **clearly addressed and submitted** to:

Marie-Claude Ceppi
Management Analyst
NYS Office of Court Administration
25 Beaver Street, R-840
New York, NY 10004

All envelopes/cartons must also be labeled with the following information on two sides:

"Deliver immediately to Marie-Claude Ceppi R-840"
"Sealed bid - Do not open"
"OCA/DOT-126 due November 20, 2007 at 3:00 p.m.".

Failure to seal and mark the bid/proposal as prescribed may result in non-delivery and/or rejection of the bid/proposal. Please note that bids/proposals must be received by the above-named OCA-designated person by November 20, 2006 at 3:00 pm at the latest or bids will be declared a "late bid" and they will be disqualified. It is recommended that bidders allow several extra days for shipping in order to meet the deadline.

No-Bids:
Bidders are requested to send a no-bid letter to OCA, Attn: Marie-Claude Ceppi, at the above address, should they decide not to answer this solicitation. The envelope shall be clearly marked in the lower left corner as follows: OCA/DOT-126.

Rejected and Unacceptable Bids/Proposals:
The OCA reserves the right to reject any and all proposals or bids submitted in response to this solicitation. In addition, OCA may reject any bids/proposals from any bidders who are in arrears to the State of New York upon any debt or contract; or who have previously defaulted on any

contractual obligations, (as surety or otherwise), or on any obligation to the State of New York; or who have been declared not responsible or disqualified by any agency of the State of New York; or who have any proceeding pending against them relating to the responsibility or qualification of the bidders to receive public contracts.

References:
Each bidder must provide at least three (3) references including the company/agency name, complete address, contact name, title, telephone number and email address, for whom the bidder has provided similar services at any time during the past three (3) years.

II. RFB # OCA/DOT-126

Purpose and Scope:
The UCS/OCA, on behalf of the DOT, is soliciting sealed bids/proposals to install and maintain network cabling and other related infrastructure in court facilities in each of the following seven Regions: See next pages

THE FOLLOWING CHARTS SHOWS THE LOCATIONS IN EACH REGION.

REGION ONE	**REGION TWO**
1. Long Island a. Nassau b. Suffolk 2. New York a. Bronx b. Kings c. New York d. Queens e. Richmond 3. Westchester a. Westchester	1. Dutchess 2. Orange 3. Putnam 4. Rockland 5. Sullivan
REGION THREE	**REGION FOUR**
1. Albany 2. Colunbia 3. Fulton 4. Greene 5. Montgomery 6. Rensselaer 7. Saratoga 8. Schenectady 9. Schoharie 10. Washington 11. Ulster	1. Clinton 2. Essex 3. Franklin 4. Hamilton 5. Warren

REGION FIVE	REGION SIX
1. Herkimer 2. Jefferson 3. Lewis 4. Madison 5. Oneida 6. Onondaga 7. Oswego 8. St. Lawrence	1. Broome 2. Chenango 3. Chemung 4. Cortland 5. Deleware 6. Madison 7. Otsego 8. Schuyler 9. Tioga 10. Tompkins
REGION SEVEN	
1. Cayuga 2. Livingston 3. Monroe 4. Ontario 5. Seneca 6. Steuben 7. Wayne 8. Yates	1. Allegany 2. Cattaraugus 3. Chautauqua 4. Erie 5. Genesee 6. Niagara 7. Orleans 8. Wyoming

Term of Award
A single contract will be awarded for an initial term of three (3) years commencing on or about January 1, 2008. The UCS, OCA/DOT reserves the right to renew the contract for an additional two (2) one (1)-year periods, upon the same terms, conditions except pricing. The contract and its renewals are subject to the approval of the NYS Office of the Attorney General and the Office of the State Comptroller.

Pricing:
Unit pricing must represent labor, materials, *testing and documentation of an end to end installation of cable run. End to end means termination from wall plate, cable run, to connector patch panel or punch down block. All costs including core drilling must be included in the end to end unit price. One four foot and one 14 foot patch cable (patch cables must be impedance matched to the installed data cable) per run must also be included. With the installation of a data cabinet or data rack, a rack mountable (10 outlet) power strip must be provided (at no additional cost). Any costs not included in the unit price must be provided in an itemized price list with product manufacturer ID numbers. All jobs must comply with specifications in this appendix.

Pricing shall remain firm for the initial three-year term of the contract.

Price Increases:
Renewal Period(s): Reasonable, necessary and documented cost increases to the contractor for any **renewal** period **may be considered** for approval by OCA/DOT subject to the following:

a. Only those increases applicable materials, parts, and supplies, as the result of increases levied by the manufacturers will be reviewed.

b. The cost increase must not exceed the change in CPI from the twelve (12) months preceding the renewal period date.

c. No increases associated with labor costs will be considered.

d. Contractor must submit a written request to OCA for allowable increase(s) forty-five (45) days prior to the end of the initial contract period. Written requests shall be accompanied by any/all supporting documentation showing price increase(s) at the manufacturer's level, including manufacturer's invoices at the time of the beginning of the awarded contract and at the time of contractor's request for a price increase. Awarded vendor shall send its written request to:

Christopher Grimaldi
Principal Network Technologist
NYS Office of Court Administration
Division of Technology
New York, NY 10004
Fax: 212-401-9021 Email: cgrimald@courts.state.ny.us

Price decreases:
Awarded contractor shall extend to the UCS any price decreases applicable to materials, parts, and supplies levied by the manufacturers. Contractor shall propose such decrease in writing with supporting documentation to the UCS at any time during the contract initial and/or renewal periods and as soon as contractor benefits from such manufacturer's price decrease(s).

ALL REGIONS

Pricing Category Summary

1. Copper Cabling (all cable must be Plenum rated)
   a. Cat 5E installation
   b. Cat 6 installation
   c. Cat 6A installation

2. Additional Cabling (all cable must be Plenum rated)
   a. Inside Wire - 24 Gauge
   b. DMARC Extension
   c. 10 Gig quad data drop
   d. Removal of existing cable.

3. Fiber Optics
   a. Fiber optic cabling installation
   b. Fiber optic fusion splicing installation
   c. Fiber optic panel installation

4. LCD TV
   a. LCD TV monitor installation
   b. LCD TV Vbrick cable installation

5. IP Camera
   a. IP Camera installation
   b. IP Camera miscellaneous items

6. Wireless Access Points
   a. Wireless Access Point installation

7. Miscellaneous Network hardware
   a. Miscellaneous items 1
   b. Miscellaneous items 2
   c. Miscellaneous items 3

REGION ONE PRICING

I. CABLING (average length is 125 feet)

VENDORS MUST PROVIDE THE FOLLOWING UNIT PRICE INFORMATION ON THE QUANTITY OF CABLE RUNS PER JOB:

CATEGORY 5E CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6 CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6A CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

ADDITIONAL CABLING

Include additional cabling installation description.

INSIDE WIRE - 24 GAUGE (PLENUM) PER 100 FT. RUN							
Conductors	Number of Cables	Material Price		Labor Cost		Total Cost	Points
2 PAIR	1-25		+		=		10
2 PAIR	26-100		+		=		5
4 PAIR	1-25		+		=		10
4 PAIR	26-100		+		=		5
12 PAIR	1-25		+		=		10
12 PAIR	26-100		+		=		5
25 PAIR	1-25		+		=		10
25 PAIR	26-100		+		=		5
50 PAIR	1-25		+		=		15
50 PAIR	26-100		+		=		5
100 PAIR	1-25		+		=		15
100 PAIR	26-100		+		=		5
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

10 Gig Quad Data Drop						
Cables	Material Price Per Run		Labor Cost Per Run		Total Cost	Points
4 per run		+		=		25

Pricing to relocate DMARC shall include all materials and labor including, core drilling, sleeves, fireproofing, mounting or support hardware and termination block.

Relocate DMARC							
Cable	Floors	Material Cost Per Run		Labor Cost per Foot		Total Cost per Foot	Points
Category 6	1-5		+		=		25
Category 6	5-10		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL		$	
Total divided by 2				Average		$	

Pricing for cable removal shall include all labor to remove and dispose of the cable from UCS premisses.

CABLE REMOVAL				
Cable	Number of Cables		Labor Cost Per Cable	Points
CATEGORY 5 -6A	1-50			25
Coax (RG/6)	1-50			5
Please add all costs in the labor Cost per Cable column		TOTAL	$	
Total divided by 2		Average	$	

2. FIBER OPTICS

Pricing for new fiber optic backbone cabling shall be completed with the following qualifications:

I. All cables shall be installed via all manufacturers and industry specifications.

II. Pricing shall include all materials and supports to install cable.

III. Prices for PVC cable shall include 1" corrugated innerduct. Unless otherwise instructed, when plenum cable is used it can be run without innerduct or conduit.

IV. Pricing shall include shall include all testing as required by our Communications Cabling Standard.

V. When installing fiber optic panels and fiber optic backbone cable simultaneously one round of testing consisting of bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode and any documentation required under our communications standards will be sufficient for product approval.

VI. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

BACKBONE FIBER OPTICS - Multimode - 50µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 50µ Plenum Cable		+		=		20
12 Strand / 50µ Riser Cable		+		=		15
12 Strand / 50µ PVC Cable		+		=		15
12 Strand / 50µ Armored Cable		+		=		15
24 Strand / 50µ Plenum Cable		+		=		20
24 Strand / 50µ Riser Cable		+		=		15
24 Strand / 50µ PVC Cable		+		=		15
24 Strand / 50µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Multimode - 62.5µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 62.5µ Plenum Cable		+		=		20
12 Strand / 62.5µ Riser Cable		+		=		15
12 Strand / 62.5µ PVC Cable		+		=		15
12 Strand / 62.5µ Armored Cable		+		=		15
24 Strand / 62.5µ Plenum Cable		+		=		20
24 Strand / 62.5µ Riser Cable		+		=		15
24 Strand / 62.5µ PVC Cable		+		=		15
24 Strand / 62.5µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Single mode						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / SM Plenum Cable		+		=		20
12 Strand / SM Riser Cable		+		=		15
12 Strand / SM PVC Cable		+		=		15
12 Strand / SM Armored Cable		+		=		15
24 Strand / SM Plenum Cable		+		=		20
24 Strand / SM Riser Cable		+		=		15
24 Strand / SM PVC Cable		+		=		15
24 Strand / SM Armored Cable		+		=		15

Please add all costs in the Total Cost per Foot column	TOTAL	$	
Total divided by 8	Average	$	

Pricing for fiber optic splicing shall be completed with the following qualifications:

I. All splices shall be performed via fusion splicing

II. Splices marked as a pigtail splice shall consist of a vendor supplied UPC factory built pigtail which shall be fusion spliced onto an unterminated fiber cable.

III. The SC connector is the UCS standard. (UCS has the right to request other than SC)

IV. All splicing prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

V. All fiber optic panel installation prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

VI. All work must conform to our current Network Cabling Specifications Standard which are included with this bid.

VII. Fiber optic panel installation prices shall include vendor supplied fiber optic panel, mounting, cable preparation, fusion splicing, and testing.

VIII. It is understood that as standards change the requirements for testing will change accordingly.

IX. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

FIBER OPTIC SPLICING - Multimode / 50µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 50µ Pigtail Splice	24 or Less		+		=			15
Multimode / 50µ Pigtail Splice	25 or more		+		=			10
Multimode / 50µ Fusion Splice	24 or Less		+		=			15
Multimode / 50µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Multimode / 62.5µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 62.5µ Pigtail Splice	24 or Less		+		=			15
Multimode / 62.5µ Pigtail Splice	25 or more		+		=			10
Multimode / 62.5µ Fusion Splice	24 or Less		+		=			15
Multimode / 62.5µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Single mode							
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice	Points
Single mode Pigtail Splice	24 or Less		+		=		15
Single mode Pigtail Splice	25 or more		+		=		10
Single mode Fusion Splice	24 or Less		+		=		15
Single mode Fusion Splice	25 or more		+		=		10
Please add all costs in the Total Cost per Splice column					TOTAL	$	
Total divided by 4					Average	$	

Fiber Optic Panel Installation							
Type	Mount Location	Material Cost		Labor Cost		Sub Total	Points
24 Port - 50µ Multimode FOP	Rack		+		=		10
24 Port - 62.5µ Multimode FOP	Rack		+		=		20
24 Port - Single mode FOP	Rack		+		=		25
24 Port - 50µ Multimode FOP	Wall		+		=		10
24 Port - 62.5µ Multimode FOP	Wall		+		=		20
24 Port - Single mode FOP	Wall		+		=		25
Please add all costs in the sub total column				TOTAL		$	
Total divided by 6				Average		$	

If not using ADC Panels for this bid - check here: ☐

If above box is checked include name, model, and specification sheet of panel being used.

3. LCD TV Installation:
Pricing for LCD TV installation shall be completed with the following qualifications:

I. UCS will supply TV and Mounting Bracket. All other hardware required to mount the LCD TV shall be supplied by the vendor and will be included in the pricing.
II. UCS will supply connector terminated composite cables. All other hardware required to install the composite cables shall be supplied by the vendor and included in the pricing.
III. If plywood (5/8 - sanded) is required to mount LCD TV it shall be provided by the vendor.

LCD TV Installation							
Size	Mount Type	Material Cost		Labor Cost		Sub Total	Points
37 " LCD TV	Wall		+		=		15
37" LCD TV	Ceiling		+		=		10
40" LCD TV	Wall		+		=		25
40" LCD TV	Ceiling		+		=		20
42" LCD TV	Wall		+		=		25
42" LCD TV	Ceiling		+		=		20
60" LCD TV	Wall		+		=		25
60" LCD TV	Ceiling		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 8				Average		$	

LCD TV Cable Installation							
Cable Type	Size	Material Cost		Labor Cost		Sub Total	Points
Composite	25'		+		=		25
Composite	50'		+		=		25
Composite	75'		+		=		25
Composite	100'		+		=		25
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

4. **IP Camera**
Pricing for IP Camera installation shall be completed with the following qualifications:

IP Camera Installation Description:

I. UCS will supply IP Cameras, enclosures and power supplies.
II. Average cable length is 200 feet.
III. All other material, testing equipment, and labor to mount, network connect, and power camera shall be supplied by vendor.
IV. 90% of single view IP cameras shall be powered via "Power over ethernet" the remaining 10% shall be powered by a power cable supplied by vendor.*
V. All PTZ Cameras require a vendor supplied four (4) # 14 AWG conductor plenum cable to power camera with 24 Volt Power Supplies included with camera.
VI. Vendor shall install and certify data cables with data certification matching the facility (category 5e, 6 or 6A).
VII. All testing shall be performed to our current network specifications.
VIII. Vendor is responsible for any training required for their employees to install IP Camera equipment.
IX. A swap out is defined as removing an existing IP Camera and installing a new model which is the same or of similar nature to the existing camera.
X. Vendor will supply all lifts for mounting (separate charge as line item).
XI. Vendor shall power on all cameras.
XII. Vendor shall point and focus all single view IP cameras.
XIII. Vendor shall mark and label all termination points.
XIV. Vendor will warrant all labor for five years.

IP Camera Equipment Description:

I. Single view IP Camera is currently either Axis 221, 212, 223M or 216 FD/FD-V
II. Small PTZ IP Camera is currently Axis 213
III. Large PTZ IP Camera is currently Axis 233D
IV. Single view indoor IP Camera enclosures is currently the Pelco HS4012
V. Single view outdoor IP Camera enclosure is currently the Axis ACH13HB
VI. Large and small PTZ IP Camera enclosures are Axis Pendant Dome W/Heat/Blower

UCS reserves the right to make substitutions of IP cameras or enclosures with similar and comparable equipment to the above mentioned IP Camera equipment. Any substitutions shall not effect the pricing below providing the substitution does not effect the method of installation and is similar to the named equipment above.

IP Camera Installation							
Camera	Mount	Material Cost		Labor Cost		Sub Total	Points
Single View	No enclosure		+		=		20
Single View	Inside enclosure		+		=		15
Single View	Outside enclosure		+		=		15
Single View	Swap Out		+		=		10
Small PTZ	No enclosure		+		=		15
Small PTZ	Inside enclosure		+		=		15
Small PTZ	Outside enclosure		+		=		10
Small PTZ	Swap Out		+		=		5
Large PTZ	No enclosure		+		=		20
Large PTZ	Inside enclosure		+		=		25
Large PTZ	Outside enclosure		+		=		25
Large PTZ	Swap Out		+		=		15
Price to run extra power cable for a single camera*			+		=		10
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 13				Average		$	

* Power cable shall be 2 conductor # 14 AWG plenum cable at 125' average length.

Miscellaneous IP Camera items							
Item	Instance	Material		Labor Cost		Sub Total	Points
Lift rental	Per day		+		=		20
Trouble shoot Camera	Per Hour		+		=		20
Replace Power Supply	Per Item		+		=		10
Install Plywood*	Per Item		+		=		10
Refocus and Repoint	Per Item		+		=		10
Install iBoot**	Per Item		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 6				Average		$	

* Provide and install one 4' by 8' (or smaller) 5/8 - sanded plywood sheet to data closet wall. All material and labor included in cost.

** Mount iBoot device on wall. UCS supplies the iBoot device. All other mounting hardware supplied by the vendor. Typically needs one small anchor and mounting screw.

5. Wireless Access Points

Pricing for Wireless Access Points (WAP) installation shall be completed with the following qualifications:

I. UCS shall supply and program each Wireless Access Point, all other materials shall be supplied by vendor.
II. Vendor shall run one data drop per WAP location and test drop as per UCS network testing specifications.
III. Vendor will install data cable above ceiling tiles. The access points will be installed on the ceiling grid when possible.
IV. Vendor shall leave a network cable 15' (fifteen foot) service loop at each WAP location.

Wireless Access Points							
Hardware	Amount	Material Cost		Labor Cost		Sub Total	Points
WAP	10 or less		+		=		30
WAP	11 - 40		+		=		30
WAP	41 - 100		+		=		30
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 3				Average		$	

6. Alternate Network Hardware and Miscellaneous Items:

Miscellaneous Items 1							
Hardware	Description	Material Cost		Labor Cost		Sub Total	Points
Kronos Device *	Wall Mounted		+		=		40
Open Bay Rack	½ Size		+		=		10
Open Bay Rack	Full		+		=		10
2' Cabinet	Wall mount		+		=		10
4' Cabinet	Wall mount		+		=		20
6' Cabinet	Wall mount		+		=		10
4' Cabinet	Floor mount		+		=		20
6' Cabinet	Floor mount		+		=		10
Please add all costs in the sub total column				TOTAL		$	
Total divided by 8				Average		$	

Pricing shall include all materials and labor for an installed product.

* Kronos device supplied and programed by UCS. All other material to mount and install to be furnished by vendor.

Miscellaneous Items 2							
Hardware	Description	Material Cost Per Foot		Labor Cost Per Foot		Sub Total	Points
Ladder Rack	12" wide		+		=		5
Molding	Wiremold 700		+		=		5
Molding	Wiremold 3000		+		=		5
Floor Molding	Wiremold 1500		+		=		5
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

Miscellaneous Items 3			
Hardware	Description	Labor Cost Per Item	Points
Core Drill	1" x 6" core		10
Core Drill	2" x 6" core		10
Core Drill	3" x 6" core		10
Core Drill	4" x 6" core		10
Please add all costs in the sub total column	TOTAL	$	
Total divided by 4	Average	$	

END OF REGION ONE

REGION TWO PRICING

I. CABLING (average length is 125 feet)

VENDORS MUST PROVIDE THE FOLLOWING UNIT PRICE INFORMATION ON THE QUANTITY OF CABLE RUNS PER JOB:

CATEGORY 5E CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2

Please add all costs in the Total Cost column	TOTAL	$	
Total divided by 12	Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6 CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2

Please add all costs in the Total Cost column	TOTAL	$	
Total divided by 12	Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6A CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2

Please add all costs in the Total Cost column	TOTAL	$	
Total divided by 12	Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

ADDITIONAL CABLING

Include additional cabling installation description.

INSIDE WIRE - 24 GAUGE (PLENUM) PER 100 FT. RUN							
Conductors	Number of Cables	Material Price		Labor Cost		Total Cost	Points
2 PAIR	1-25		+		=		10
2 PAIR	26-100		+		=		5
4 PAIR	1-25		+		=		10
4 PAIR	26-100		+		=		5
12 PAIR	1-25		+		=		10
12 PAIR	26-100		+		=		5
25 PAIR	1-25		+		=		10
25 PAIR	26-100		+		=		5
50 PAIR	1-25		+		=		15
50 PAIR	26-100		+		=		5
100 PAIR	1-25		+		=		15
100 PAIR	26-100		+		=		5
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

10 Gig Quad Data Drop						
Cables	Material Price Per Run		Labor Cost Per Run		Total Cost	Points
4 per run		+		=		25

Pricing to relocate DMARC shall include all materials and labor including, core drilling, sleeves, fireproofing, mounting or support hardware and termination block.

Relocate DMARC							
Cable	Floors	Material Cost Per Run		Labor Cost per Foot		Total Cost per Foot	Points
Category 6	1-5		+		=		25
Category 6	5-10		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL		$	
Total divided by 2				Average		$	

Pricing for cable removal shall include all labor to remove and dispose of the cable from UCS premisses.

CABLE REMOVAL				
Cable	Number of Cables		Labor Cost Per Cable	Points
CATEGORY 5 -6A	1-50			25
Coax (RG/6)	1-50			5
Please add all costs in the labor Cost per Cable column		TOTAL	$	
Total divided by 2		Average	$	

2. FIBER OPTICS

Pricing for new fiber optic backbone cabling shall be completed with the following qualifications:

I. All cables shall be installed via all manufacturers and industry specifications.

II. Pricing shall include all materials and supports to install cable.

III. Prices for PVC cable shall include 1" corrugated innerduct. Unless otherwise instructed, when plenum cable is used it can be run without innerduct or conduit.

IV. Pricing shall include shall include all testing as required by our Communications Cabling Standard.

V. When installing fiber optic panels and fiber optic backbone cable simultaneously one round of testing consisting of bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode and any documentation required under our communications standards will be sufficient for product approval.

VI. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

BACKBONE FIBER OPTICS - Multimode - 50µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 50µ Plenum Cable		+		=		20
12 Strand / 50µ Riser Cable		+		=		15
12 Strand / 50µ PVC Cable		+		=		15
12 Strand / 50µ Armored Cable		+		=		15
24 Strand / 50µ Plenum Cable		+		=		20
24 Strand / 50µ Riser Cable		+		=		15
24 Strand / 50µ PVC Cable		+		=		15
24 Strand / 50µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Multimode - 62.5µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 62.5µ Plenum Cable		+		=		20
12 Strand / 62.5µ Riser Cable		+		=		15
12 Strand / 62.5µ PVC Cable		+		=		15
12 Strand / 62.5µ Armored Cable		+		=		15
24 Strand / 62.5µ Plenum Cable		+		=		20
24 Strand / 62.5µ Riser Cable		+		=		15
24 Strand / 62.5µ PVC Cable		+		=		15
24 Strand / 62.5µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Single mode						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / SM Plenum Cable		+		=		20
12 Strand / SM Riser Cable		+		=		15
12 Strand / SM PVC Cable		+		=		15
12 Strand / SM Armored Cable		+		=		15
24 Strand / SM Plenum Cable		+		=		20
24 Strand / SM Riser Cable		+		=		15
24 Strand / SM PVC Cable		+		=		15
24 Strand / SM Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

Pricing for fiber optic splicing shall be completed with the following qualifications:

I. All splices shall be performed via fusion splicing

II. Splices marked as a pigtail splice shall consist of a vendor supplied UPC factory built pigtail which shall be fusion spliced onto an unterminated fiber cable.

III. The SC connector is the UCS standard. (UCS has the right to request other than SC)

IV. All splicing prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

V. All fiber optic panel installation prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

VI. All work must conform to our current Network Cabling Specifications Standard which are included with this bid.

VII. Fiber optic panel installation prices shall include vendor supplied fiber optic panel, mounting, cable preparation, fusion splicing, and testing.

VIII. It is understood that as standards change the requirements for testing will change accordingly.

IX. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

FIBER OPTIC SPLICING - Multimode / 50µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 50µ Pigtail Splice	24 or Less		+		=			15
Multimode / 50µ Pigtail Splice	25 or more		+		=			10
Multimode / 50µ Fusion Splice	24 or Less		+		=			15
Multimode / 50µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Multimode / 62.5µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 62.5µ Pigtail Splice	24 or Less		+		=			15
Multimode / 62.5µ Pigtail Splice	25 or more		+		=			10
Multimode / 62.5µ Fusion Splice	24 or Less		+		=			15
Multimode / 62.5µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Single mode							
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice	Points
Single mode Pigtail Splice	24 or Less		+		=		15
Single mode Pigtail Splice	25 or more		+		=		10
Single mode Fusion Splice	24 or Less		+		=		15
Single mode Fusion Splice	25 or more		+		=		10
Please add all costs in the Total Cost per Splice column					TOTAL	$	
Total divided by 4					Average	$	

Fiber Optic Panel Installation							
Type	Mount Location	Material Cost		Labor Cost		Sub Total	Points
24 Port - 50µ Multimode FOP	Rack		+		=		10
24 Port - 62.5µ Multimode FOP	Rack		+		=		20
24 Port - Single mode FOP	Rack		+		=		25
24 Port - 50µ Multimode FOP	Wall		+		=		10
24 Port - 62.5µ Multimode FOP	Wall		+		=		20
24 Port - Single mode FOP	Wall		+		=		25
Please add all costs in the sub total column				TOTAL		$	
Total divided by 6				Average		$	

If not using ADC Panels for this bid - check here: ☐

If above box is checked include name, model, and specification sheet of panel being used.

3. LCD TV Installation:
Pricing for LCD TV installation shall be completed with the following qualifications:

I. UCS will supply TV and Mounting Bracket. All other hardware required to mount the LCD TV shall be supplied by the vendor and will be included in the pricing.
II. UCS will supply connector terminated composite cables. All other hardware required to install the composite cables shall be supplied by the vendor and included in the pricing.
III. If plywood (5/8 - sanded) is required to mount LCD TV it shall be provided by the vendor.

LCD TV Installation							
Size	Mount Type	Material Cost		Labor Cost		Sub Total	Points
37 " LCD TV	Wall		+		=		15
37" LCD TV	Ceiling		+		=		10
40" LCD TV	Wall		+		=		25
40" LCD TV	Ceiling		+		=		20
42" LCD TV	Wall		+		=		25
42" LCD TV	Ceiling		+		=		20
60" LCD TV	Wall		+		=		25
60" LCD TV	Ceiling		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 8				Average		$	

LCD TV Cable Installation							
Cable Type	Size	Material Cost		Labor Cost		Sub Total	Points
Composite	25'		+		=		25
Composite	50'		+		=		25
Composite	75'		+		=		25
Composite	100'		+		=		25
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

4. **IP Camera**
Pricing for IP Camera installation shall be completed with the following qualifications:

IP Camera Installation Description:

I. UCS will supply IP Cameras, enclosures and power supplies.
II. Average cable length is 200 feet.
III. All other material, testing equipment, and labor to mount, network connect, and power camera shall be supplied by vendor.
IV. 90% of single view IP cameras shall be powered via "Power over ethernet" the remaining 10% shall be powered by a power cable supplied by vendor.*
V. All PTZ Cameras require a vendor supplied four (4) # 14 AWG conductor plenum cable to power camera with 24 Volt Power Supplies included with camera.
VI. Vendor shall install and certify data cables with data certification matching the facility (category 5e, 6 or 6A).
VII. All testing shall be performed to our current network specifications.
VIII. A swap out is defined as removing an existing IP Camera and installing a new model which is the same or of similar nature to the existing camera.
IX. Vendor will supply all lifts for mounting (separate charge as line item).
X. Vendor shall power on all cameras.
XI. Vendor shall point and focus all single view IP cameras.
XII. Vendor shall mark and label all termination points.
XIII. Vendor will warrant all labor for five years.

IP Camera Equipment Description:

I. Single view IP Camera is currently either Axis 221, 212, 223M or 216 FD/FD-V
II. Small PTZ IP Camera is currently Axis 213
III. Large PTZ IP Camera is currently Axis 233D
IV. Single view indoor IP Camera enclosures is currently the Pelco HS4012
V. Single view outdoor IP Camera enclosure is currently the Axis ACH13HB
VI. Large and small PTZ IP Camera enclosures are Axis Pendant Dome W/Heat/Blower

UCS reserves the right to make substitutions of IP cameras or enclosures with similar and comparable equipment to the above mentioned IP Camera equipment. Any substitutions shall not effect the pricing below providing the substitution does not effect the method of installation and is similar to the named equipment above.

IP Camera Installation							
Camera	Mount	Material Cost		Labor Cost		Sub Total	Points
Single View	No enclosure		+		=		20
Single View	Inside enclosure		+		=		15
Single View	Outside enclosure		+		=		15
Single View	Swap Out		+		=		10
Small PTZ	No enclosure		+		=		15
Small PTZ	Inside enclosure		+		=		15
Small PTZ	Outside enclosure		+		=		10
Small PTZ	Swap Out		+		=		5
Large PTZ	No enclosure		+		=		20
Large PTZ	Inside enclosure		+		=		25
Large PTZ	Outside enclosure		+		=		25
Large PTZ	Swap Out		+		=		15
Price to run extra power cable for a single camera*			+		=		10
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 13				Average		$	

* Power cable shall be 2 conductor # 14 AWG plenum cable at 125' average length.

Miscellaneous IP Camera items							
Item	Instance	Material		Labor Cost		Sub Total	Points
Lift rental	Per day		+		=		20
Trouble shoot Camera	Per Hour		+		=		20
Replace Power Supply	Per Item		+		=		10
Install Plywood*	Per Item		+		=		10
Refocus and Repoint	Per Item		+		=		10
Install iBoot**	Per Item		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 6				Average		$	

* Provide and install one 4' by 8' (or smaller) 5/8 - sanded plywood sheet to data closet wall. All material and labor included in cost.

** Mount iBoot device on wall. UCS supplies the iBoot device. All other mounting hardware supplied by the vendor. Typically needs one small anchor and mounting screw.

5. Wireless Access Points

Pricing for Wireless Access Points (WAP) installation shall be completed with the following qualifications:

I. UCS shall supply and program each Wireless Access Point, all other materials shall be supplied by vendor.
II. Vendor shall run one data drop per WAP location and test drop as per UCS network testing specifications.
III. Vendor will install data cable above ceiling tiles. The access points will be installed on the ceiling grid when possible.
IV. Vendor shall leave a network cable 15' (fifteen foot) service loop at each WAP location.

Wireless Access Points							
Hardware	Amount	Material Cost		Labor Cost		Sub Total	Points
WAP	10 or less		+		=		30
WAP	11 - 40		+		=		30
WAP	41 - 100		+		=		30
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 3				Average		$	

6. Alternate Network Hardware and Miscellaneous Items:

Miscellaneous Items 1							
Hardware	Description	Material Cost		Labor Cost		Sub Total	Points
Kronos Device *	Wall Mounted		+		=		40
Open Bay Rack	½ Size		+		=		10
Open Bay Rack	Full		+		=		10
2' Cabinet	Wall mount		+		=		10
4' Cabinet	Wall mount		+		=		20
6' Cabinet	Wall mount		+		=		10
4' Cabinet	Floor mount		+		=		20
6' Cabinet	Floor mount		+		=		10
Please add all costs in the sub total column				TOTAL		$	
Total divided by 8				Average		$	

Pricing shall include all materials and labor for an installed product.

* Kronos device supplied and programed by UCS. All other material to mount and install to be furnished by vendor.

Miscellaneous Items 2							
Hardware	Description	Material Cost Per Foot		Labor Cost Per Foot		Sub Total	Points
Ladder Rack	12" wide		+		=		5
Molding	Wiremold 700		+		=		5
Molding	Wiremold 3000		+		=		5
Floor Molding	Wiremold 1500		+		=		5
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

Miscellaneous Items 3			
Hardware	Description	Labor Cost Per Item	Points
Core Drill	1" x 6" core		10
Core Drill	2" x 6" core		10
Core Drill	3" x 6" core		10
Core Drill	4" x 6" core		10
Please add all costs in the sub total column	TOTAL	$	
Total divided by 4	Average	$	

END OF REGION TWO

REGION THREE PRICING

I. CABLING (average length is 125 feet)

VENDORS MUST PROVIDE THE FOLLOWING UNIT PRICE INFORMATION ON THE QUANTITY OF CABLE RUNS PER JOB:

CATEGORY 5E CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2

Please add all costs in the Total Cost column	TOTAL	$	
Total divided by 12	Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6 CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6A CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all points in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

ADDITIONAL CABLING

Include additional cabling installation description.

INSIDE WIRE - 24 GAUGE (PLENUM) PER 100 FT. RUN							
Conductors	Number of Cables	Material Price		Labor Cost		Total Cost	Points
2 PAIR	1-25		+		=		10
2 PAIR	26-100		+		=		5
4 PAIR	1-25		+		=		10
4 PAIR	26-100		+		=		5
12 PAIR	1-25		+		=		10
12 PAIR	26-100		+		=		5
25 PAIR	1-25		+		=		10
25 PAIR	26-100		+		=		5
50 PAIR	1-25		+		=		15
50 PAIR	26-100		+		=		5
100 PAIR	1-25		+		=		15
100 PAIR	26-100		+		=		5
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

10 Gig Quad Data Drop						
Cables	Material Price Per Run		Labor Cost Per Run		Total Cost	Points
4 per run		+		=		25

Pricing to relocate DMARC shall include all materials and labor including, core drilling, sleeves, fireproofing, mounting or support hardware and termination block.

Relocate DMARC							
Cable	Floors	Material Cost Per Run		Labor Cost per Foot		Total Cost per Foot	Points
Category 6	1-5		+		=		25
Category 6	5-10		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL		$	
Total divided by 2				Average		$	

Pricing for cable removal shall include all labor to remove and dispose of the cable from UCS premisses.

CABLE REMOVAL				
Cable	Number of Cables		Labor Cost Per Cable	Points
CATEGORY 5 -6A	1-50			25
Coax (RG/6)	1-50			5
Please add all costs in the labor Cost per Cable column		TOTAL	$	
Total divided by 2		Average	$	

2. FIBER OPTICS

Pricing for new fiber optic backbone cabling shall be completed with the following qualifications:

I. All cables shall be installed via all manufacturers and industry specifications.

II. Pricing shall include all materials and supports to install cable.

III. Prices for PVC cable shall include 1" corrugated innerduct. Unless otherwise instructed, when plenum cable is used it can be run without innerduct or conduit.

IV. Pricing shall include shall include all testing as required by our Communications Cabling Standard.

V. When installing fiber optic panels and fiber optic backbone cable simultaneously one round of testing consisting of bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode and any documentation required under our communications standards will be sufficient for product approval.

VI. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

BACKBONE FIBER OPTICS - Multimode - 50µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 50µ Plenum Cable		+		=		20
12 Strand / 50µ Riser Cable		+		=		15
12 Strand / 50µ PVC Cable		+		=		15
12 Strand / 50µ Armored Cable		+		=		15
24 Strand / 50µ Plenum Cable		+		=		20
24 Strand / 50µ Riser Cable		+		=		15
24 Strand / 50µ PVC Cable		+		=		15
24 Strand / 50µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Multimode - 62.5µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 62.5µ Plenum Cable		+		=		20
12 Strand / 62.5µ Riser Cable		+		=		15
12 Strand / 62.5µ PVC Cable		+		=		15
12 Strand / 62.5µ Armored Cable		+		=		15
24 Strand / 62.5µ Plenum Cable		+		=		20
24 Strand / 62.5µ Riser Cable		+		=		15
24 Strand / 62.5µ PVC Cable		+		=		15
24 Strand / 62.5µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Single mode						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / SM Plenum Cable		+		=		20
12 Strand / SM Riser Cable		+		=		15
12 Strand / SM PVC Cable		+		=		15
12 Strand / SM Armored Cable		+		=		15
24 Strand / SM Plenum Cable		+		=		20
24 Strand / SM Riser Cable		+		=		15
24 Strand / SM PVC Cable		+		=		15
24 Strand / SM Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

Pricing for fiber optic splicing shall be completed with the following qualifications:

I. All splices shall be performed via fusion splicing

II. Splices marked as a pigtail splice shall consist of a vendor supplied UPC factory built pigtail which shall be fusion spliced onto an unterminated fiber cable.

III. The SC connector is the UCS standard. (UCS has the right to request other than SC)

IV. All splicing prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

V. All fiber optic panel installation prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

VI. All work must conform to our current Network Cabling Specifications Standard which are included with this bid.

VII. Fiber optic panel installation prices shall include vendor supplied fiber optic panel, mounting, cable preparation, fusion splicing, and testing.

VIII. It is understood that as standards change the requirements for testing will change accordingly.

IX. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

FIBER OPTIC SPLICING - Multimode / 50µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 50µ Pigtail Splice	24 or Less		+		=			15
Multimode / 50µ Pigtail Splice	25 or more		+		=			10
Multimode / 50µ Fusion Splice	24 or Less		+		=			15
Multimode / 50µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Multimode / 62.5µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 62.5µ Pigtail Splice	24 or Less		+		=			15
Multimode / 62.5µ Pigtail Splice	25 or more		+		=			10
Multimode / 62.5µ Fusion Splice	24 or Less		+		=			15
Multimode / 62.5µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Single mode							
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice	Points
Single mode Pigtail Splice	24 or Less		+		=		15
Single mode Pigtail Splice	25 or more		+		=		10
Single mode Fusion Splice	24 or Less		+		=		15
Single mode Fusion Splice	25 or more		+		=		10
Please add all costs in the Total Cost per Splice column					TOTAL	$	
Total divided by 4					Average	$	

Fiber Optic Panel Installation							
Type	Mount Location	Material Cost		Labor Cost		Sub Total	Points
24 Port - 50µ Multimode FOP	Rack		+		=		10
24 Port - 62.5µ Multimode FOP	Rack		+		=		20
24 Port - Single mode FOP	Rack		+		=		25
24 Port - 50µ Multimode FOP	Wall		+		=		10
24 Port - 62.5µ Multimode FOP	Wall		+		=		20
24 Port - Single mode FOP	Wall		+		=		25
Please add all costs in the sub total column				TOTAL		$	
Total divided by 6				Average		$	

If not using ADC Panels for this bid - check here: ☐

If above box is checked include name, model, and specification sheet of panel being used.

3. LCD TV Installation:
Pricing for LCD TV installation shall be completed with the following qualifications:

I. UCS will supply TV and Mounting Bracket. All other hardware required to mount the LCD TV shall be supplied by the vendor and will be included in the pricing.
II. UCS will supply connector terminated composite cables. All other hardware required to install the composite cables shall be supplied by the vendor and included in the pricing.
III. If plywood (5/8 - sanded) is required to mount LCD TV it shall be provided by the vendor.

LCD TV Installation							
Size	Mount Type	Material Cost		Labor Cost		Sub Total	Points
37 " LCD TV	Wall		+		=		15
37" LCD TV	Ceiling		+		=		10
40" LCD TV	Wall		+		=		25
40" LCD TV	Ceiling		+		=		20
42" LCD TV	Wall		+		=		25
42" LCD TV	Ceiling		+		=		20
60" LCD TV	Wall		+		=		25
60" LCD TV	Ceiling		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 8				Average		$	

LCD TV Cable Installation							
Cable Type	Size	Material Cost		Labor Cost		Sub Total	Points
Composite	25'		+		=		25
Composite	50'		+		=		25
Composite	75'		+		=		25
Composite	100'		+		=		25
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

4. **IP Camera**
Pricing for IP Camera installation shall be completed with the following qualifications:

IP Camera Installation Description:

I. UCS will supply IP Cameras, enclosures and power supplies.
II. Average cable length is 200 feet.
III. All other material, testing equipment, and labor to mount, network connect, and power camera shall be supplied by vendor.
IV. 90% of single view IP cameras shall be powered via "Power over ethernet" the remaining 10% shall be powered by a power cable supplied by vendor.*
V. All PTZ Cameras require a vendor supplied four (4) # 14 AWG conductor plenum cable to power camera with 24 Volt Power Supplies included with camera.
VI. Vendor shall install and certify data cables with data certification matching the facility (category 5e, 6 or 6A).
VII. All testing shall be performed to our current network specifications.
VIII. A swap out is defined as removing an existing IP Camera and installing a new model which is the same or of similar nature to the existing camera.
IX. Vendor will supply all lifts for mounting (separate charge as line item).
X. Vendor shall power on all cameras.
XI. Vendor shall point and focus all single view IP cameras.
XII. Vendor shall mark and label all termination points.
XIII. Vendor will warrant all labor for five years.

IP Camera Equipment Description:

I. Single view IP Camera is currently either Axis 221, 212, 223M or 216 FD/FD-V
II. Small PTZ IP Camera is currently Axis 213
III. Large PTZ IP Camera is currently Axis 233D
IV. Single view indoor IP Camera enclosures is currently the Pelco HS4012
V. Single view outdoor IP Camera enclosure is currently the Axis ACH13HB
VI. Large and small PTZ IP Camera enclosures are Axis Pendant Dome W/Heat/Blower

UCS reserves the right to make substitutions of IP cameras or enclosures with similar and comparable equipment to the above mentioned IP Camera equipment. Any substitutions shall not effect the pricing below providing the substitution does not effect the method of installation and is similar to the named equipment above.

IP Camera Installation							
Camera	Mount	Material Cost		Labor Cost		Sub Total	Points
Single View	No enclosure		+		=		20
Single View	Inside enclosure		+		=		15
Single View	Outside enclosure		+		=		15
Single View	Swap Out		+		=		10
Small PTZ	No enclosure		+		=		15
Small PTZ	Inside enclosure		+		=		15
Small PTZ	Outside enclosure		+		=		10
Small PTZ	Swap Out		+		=		5
Large PTZ	No enclosure		+		=		20
Large PTZ	Inside enclosure		+		=		25
Large PTZ	Outside enclosure		+		=		25
Large PTZ	Swap Out		+		=		15
Price to run extra power cable for a single camera*			+		=		10
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 13				Average		$	

* Power cable shall be 2 conductor # 14 AWG plenum cable at 125' average length.

Miscellaneous IP Camera items							
Item	Instance	Material		Labor Cost		Sub Total	Points
Lift rental	Per day		+		=		20
Trouble shoot Camera	Per Hour		+		=		20
Replace Power Supply	Per Item		+		=		10
Install Plywood*	Per Item		+		=		10
Refocus and Repoint	Per Item		+		=		10
Install iBoot**	Per Item		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 6				Average		$	

* Provide and install one 4' by 8' (or smaller) 5/8 - sanded plywood sheet to data closet wall. All material and labor included in cost.

** Mount iBoot device on wall. UCS supplies the iBoot device. All other mounting hardware supplied by the vendor. Typically needs one small anchor and mounting screw.

5. Wireless Access Points

Pricing for Wireless Access Points (WAP) installation shall be completed with the following qualifications:

I. UCS shall supply and program each Wireless Access Point, all other materials shall be supplied by vendor.
II. Vendor shall run one data drop per WAP location and test drop as per UCS network testing specifications.
III. Vendor will install data cable above ceiling tiles. The access points will be installed on the ceiling grid when possible.
IV. Vendor shall leave a network cable 15' (fifteen foot) service loop at each WAP location.

Wireless Access Points							
Hardware	Amount	Material Cost		Labor Cost		Sub Total	Points
WAP	10 or less		+		=		30
WAP	11 - 40		+		=		30
WAP	41 - 100		+		=		30
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 3				Average		$	

6. Alternate Network Hardware and Miscellaneous Items:

Miscellaneous Items 1							
Hardware	Description	Material Cost		Labor Cost		Sub Total	Points
Kronos Device *	Wall Mounted		+		=		40
Open Bay Rack	½ Size		+		=		10
Open Bay Rack	Full		+		=		10
2' Cabinet	Wall mount		+		=		10
4' Cabinet	Wall mount		+		=		20
6' Cabinet	Wall mount		+		=		10
4' Cabinet	Floor mount		+		=		20
6' Cabinet	Floor mount		+		=		10
Please add all costs in the sub total column				TOTAL		$	
Total divided by 8				Average		$	

Pricing shall include all materials and labor for an installed product.

* Kronos device supplied and programed by UCS. All other material to mount and install to be furnished by vendor.

Miscellaneous Items 2							
Hardware	Description	Material Cost Per Foot		Labor Cost Per Foot		Sub Total	Points
Ladder Rack	12" wide		+		=		5
Molding	Wiremold 700		+		=		5
Molding	Wiremold 3000		+		=		5
Floor Molding	Wiremold 1500		+		=		5
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

Miscellaneous Items 3			
Hardware	Description	Labor Cost Per Item	Points
Core Drill	1" x 6" core		10
Core Drill	2" x 6" core		10
Core Drill	3" x 6" core		10
Core Drill	4" x 6" core		10
Please add all costs in the sub total column	TOTAL	$	
Total divided by 4	Average	$	

END OF REGION THREE

REGION FOUR PRICING

I. CABLING (average length is 125 feet)

VENDORS MUST PROVIDE THE FOLLOWING UNIT PRICE INFORMATION ON THE QUANTITY OF CABLE RUNS PER JOB:

CATEGORY 5E CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6 CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6A CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

ADDITIONAL CABLING

Include additional cabling installation description.

INSIDE WIRE - 24 GAUGE (PLENUM) PER 100 FT. RUN							
Conductors	Number of Cables	Material Price		Labor Cost		Total Cost	Points
2 PAIR	1-25		+		=		10
2 PAIR	26-100		+		=		5
4 PAIR	1-25		+		=		10
4 PAIR	26-100		+		=		5
12 PAIR	1-25		+		=		10
12 PAIR	26-100		+		=		5
25 PAIR	1-25		+		=		10
25 PAIR	26-100		+		=		5
50 PAIR	1-25		+		=		15
50 PAIR	26-100		+		=		5
100 PAIR	1-25		+		=		15
100 PAIR	26-100		+		=		5
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

10 Gig Quad Data Drop						
Cables	Material Price Per Run		Labor Cost Per Run		Total Cost	Points
4 per run		+		=		25

Pricing to relocate DMARC shall include all materials and labor including, core drilling, sleeves, fireproofing, mounting or support hardware and termination block.

Relocate DMARC							
Cable	Floors	Material Cost Per Run		Labor Cost per Foot		Total Cost per Foot	Points
Category 6	1-5		+		=		25
Category 6	5-10		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL		$	
Total divided by 2				Average		$	

Pricing for cable removal shall include all labor to remove and dispose of the cable from UCS premisses.

CABLE REMOVAL				
Cable	Number of Cables		Labor Cost Per Cable	Points
CATEGORY 5 -6A	1-50			25
Coax (RG/6)	1-50			5
Please add all costs in the labor Cost per Cable column		TOTAL	$	
Total divided by 2		Average	$	

2. FIBER OPTICS

Pricing for new fiber optic backbone cabling shall be completed with the following qualifications:

I. All cables shall be installed via all manufacturers and industry specifications.

II. Pricing shall include all materials and supports to install cable.

III. Prices for PVC cable shall include 1" corrugated innerduct. Unless otherwise instructed, when plenum cable is used it can be run without innerduct or conduit.

IV. Pricing shall include shall include all testing as required by our Communications Cabling Standard.

V. When installing fiber optic panels and fiber optic backbone cable simultaneously one round of testing consisting of bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode and any documentation required under our communications standards will be sufficient for product approval.

VI. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

BACKBONE FIBER OPTICS - Multimode - 50µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 50µ Plenum Cable		+		=		20
12 Strand / 50µ Riser Cable		+		=		15
12 Strand / 50µ PVC Cable		+		=		15
12 Strand / 50µ Armored Cable		+		=		15
24 Strand / 50µ Plenum Cable		+		=		20
24 Strand / 50µ Riser Cable		+		=		15
24 Strand / 50µ PVC Cable		+		=		15
24 Strand / 50µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Multimode - 62.5µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 62.5µ Plenum Cable		+		=		20
12 Strand / 62.5µ Riser Cable		+		=		15
12 Strand / 62.5µ PVC Cable		+		=		15
12 Strand / 62.5µ Armored Cable		+		=		15
24 Strand / 62.5µ Plenum Cable		+		=		20
24 Strand / 62.5µ Riser Cable		+		=		15
24 Strand / 62.5µ PVC Cable		+		=		15
24 Strand / 62.5µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Single mode						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / SM Plenum Cable		+		=		20
12 Strand / SM Riser Cable		+		=		15
12 Strand / SM PVC Cable		+		=		15
12 Strand / SM Armored Cable		+		=		15
24 Strand / SM Plenum Cable		+		=		20
24 Strand / SM Riser Cable		+		=		15
24 Strand / SM PVC Cable		+		=		15
24 Strand / SM Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

Pricing for fiber optic splicing shall be completed with the following qualifications:

I. All splices shall be performed via fusion splicing

II. Splices marked as a pigtail splice shall consist of a vendor supplied UPC factory built pigtail which shall be fusion spliced onto an unterminated fiber cable.

III. The SC connector is the UCS standard. (UCS has the right to request other than SC)

IV. All splicing prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

V. All fiber optic panel installation prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

VI. All work must conform to our current Network Cabling Specifications Standard which are included with this bid.

VII. Fiber optic panel installation prices shall include vendor supplied fiber optic panel, mounting, cable preparation, fusion splicing, and testing.

VIII. It is understood that as standards change the requirements for testing will change accordingly.

IX. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

FIBER OPTIC SPLICING - Multimode / 50µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 50µ Pigtail Splice	24 or Less		+		=			15
Multimode / 50µ Pigtail Splice	25 or more		+		=			10
Multimode / 50µ Fusion Splice	24 or Less		+		=			15
Multimode / 50µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Multimode / 62.5µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 62.5µ Pigtail Splice	24 or Less		+		=			15
Multimode / 62.5µ Pigtail Splice	25 or more		+		=			10
Multimode / 62.5µ Fusion Splice	24 or Less		+		=			15
Multimode / 62.5µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Single mode							
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice	Points
Single mode Pigtail Splice	24 or Less		+		=		15
Single mode Pigtail Splice	25 or more		+		=		10
Single mode Fusion Splice	24 or Less		+		=		15
Single mode Fusion Splice	25 or more		+		=		10
Please add all costs in the Total Cost per Splice column					TOTAL	$	
Total divided by 4					Average	$	

Fiber Optic Panel Installation							
Type	Mount Location	Material Cost		Labor Cost		Sub Total	Points
24 Port - 50µ Multimode FOP	Rack		+		=		10
24 Port - 62.5µ Multimode FOP	Rack		+		=		20
24 Port - Single mode FOP	Rack		+		=		25
24 Port - 50µ Multimode FOP	Wall		+		=		10
24 Port - 62.5µ Multimode FOP	Wall		+		=		20
24 Port - Single mode FOP	Wall		+		=		25
Please add all costs in the sub total column				TOTAL		$	
Total divided by 6				Average		$	

If not using ADC Panels for this bid - check here: ☐

If above box is checked include name, model, and specification sheet of panel being used.

3. LCD TV Installation:
Pricing for LCD TV installation shall be completed with the following qualifications:

I. UCS will supply TV and Mounting Bracket. All other hardware required to mount the LCD TV shall be supplied by the vendor and will be included in the pricing.
II. UCS will supply connector terminated composite cables. All other hardware required to install the composite cables shall be supplied by the vendor and included in the pricing.
III. If plywood (5/8 - sanded) is required to mount LCD TV it shall be provided by the vendor.

LCD TV Installation							
Size	Mount Type	Material Cost		Labor Cost		Sub Total	Points
37 " LCD TV	Wall		+		=		15
37" LCD TV	Ceiling		+		=		10
40" LCD TV	Wall		+		=		25
40" LCD TV	Ceiling		+		=		20
42" LCD TV	Wall		+		=		25
42" LCD TV	Ceiling		+		=		20
60" LCD TV	Wall		+		=		25
60" LCD TV	Ceiling		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 8				Average		$	

LCD TV Cable Installation							
Cable Type	Size	Material Cost		Labor Cost		Sub Total	Points
Composite	25'		+		=		25
Composite	50'		+		=		25
Composite	75'		+		=		25
Composite	100'		+		=		25
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

4. **IP Camera**
Pricing for IP Camera installation shall be completed with the following qualifications:

IP Camera Installation Description:

I. UCS will supply IP Cameras, enclosures and power supplies.
II. Average cable length is 200 feet.
III. All other material, testing equipment, and labor to mount, network connect, and power camera shall be supplied by vendor.
IV. 90% of single view IP cameras shall be powered via "Power over ethernet" the remaining 10% shall be powered by a power cable supplied by vendor.*
V. All PTZ Cameras require a vendor supplied four (4) # 14 AWG conductor plenum cable to power camera with 24 Volt Power Supplies included with camera.
VI. Vendor shall install and certify data cables with data certification matching the facility (category 5e, 6 or 6A).
VII. All testing shall be performed to our current network specifications.
VIII. A swap out is defined as removing an existing IP Camera and installing a new model which is the same or of similar nature to the existing camera.
IX. Vendor will supply all lifts for mounting (separate charge as line item).
X. Vendor shall power on all cameras.
XI. Vendor shall point and focus all single view IP cameras.
XII. Vendor shall mark and label all termination points.
XIII. Vendor will warrant all labor for five years.

IP Camera Equipment Description:

I. Single view IP Camera is currently either Axis 221, 212, 223M or 216 FD/FD-V
II. Small PTZ IP Camera is currently Axis 213
III. Large PTZ IP Camera is currently Axis 233D
IV. Single view indoor IP Camera enclosures is currently the Pelco HS4012
V. Single view outdoor IP Camera enclosure is currently the Axis ACH13HB
VI. Large and small PTZ IP Camera enclosures are Axis Pendant Dome W/Heat/Blower

UCS reserves the right to make substitutions of IP cameras or enclosures with similar and comparable equipment to the above mentioned IP Camera equipment. Any substitutions shall not effect the pricing below providing the substitution does not effect the method of installation and is similar to the named equipment above.

IP Camera Installation							
Camera	Mount	Material Cost		Labor Cost		Sub Total	Points
Single View	No enclosure		+		=		20
Single View	Inside enclosure		+		=		15
Single View	Outside enclosure		+		=		15
Single View	Swap Out		+		=		10
Small PTZ	No enclosure		+		=		15
Small PTZ	Inside enclosure		+		=		15
Small PTZ	Outside enclosure		+		=		10
Small PTZ	Swap Out		+		=		5
Large PTZ	No enclosure		+		=		20
Large PTZ	Inside enclosure		+		=		25
Large PTZ	Outside enclosure		+		=		25
Large PTZ	Swap Out		+		=		15
Price to run extra power cable for a single camera*			+		=		10
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 13				Average		$	

* Power cable shall be 2 conductor # 14 AWG plenum cable at 125' average length.

Miscellaneous IP Camera items							
Item	Instance	Material		Labor Cost		Sub Total	Points
Lift rental	Per day		+		=		20
Trouble shoot Camera	Per Hour		+		=		20
Replace Power Supply	Per Item		+		=		10
Install Plywood*	Per Item		+		=		10
Refocus and Repoint	Per Item		+		=		10
Install iBoot**	Per Item		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 6				Average		$	

* Provide and install one 4' by 8' (or smaller) 5/8 - sanded plywood sheet to data closet wall. All material and labor included in cost.

** Mount iBoot device on wall. UCS supplies the iBoot device. All other mounting hardware supplied by the vendor. Typically needs one small anchor and mounting screw.

5. Wireless Access Points

Pricing for Wireless Access Points (WAP) installation shall be completed with the following qualifications:

I. UCS shall supply and program each Wireless Access Point, all other materials shall be supplied by vendor.
II. Vendor shall run one data drop per WAP location and test drop as per UCS network testing specifications.
III. Vendor will install data cable above ceiling tiles. The access points will be installed on the ceiling grid when possible.
IV. Vendor shall leave a network cable 15' (fifteen foot) service loop at each WAP location.

Wireless Access Points							
Hardware	Amount	Material Cost		Labor Cost		Sub Total	Points
WAP	10 or less		+		=		30
WAP	11 - 40		+		=		30
WAP	41 - 100		+		=		30
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 3				Average		$	

6. Alternate Network Hardware and Miscellaneous Items:

Miscellaneous Items 1							
Hardware	Description	Material Cost		Labor Cost		Sub Total	Points
Kronos Device *	Wall Mounted		+		=		40
Open Bay Rack	½ Size		+		=		10
Open Bay Rack	Full		+		=		10
2' Cabinet	Wall mount		+		=		10
4' Cabinet	Wall mount		+		=		20
6' Cabinet	Wall mount		+		=		10
4' Cabinet	Floor mount		+		=		20
6' Cabinet	Floor mount		+		=		10
Please add all costs in the sub total column				TOTAL		$	
Total divided by 8				Average		$	

Pricing shall include all materials and labor for an installed product.

* Kronos device supplied and programed by UCS. All other material to mount and install to be furnished by vendor.

Miscellaneous Items 2							
Hardware	Description	Material Cost Per Foot		Labor Cost Per Foot		Sub Total	Points
Ladder Rack	12" wide		+		=		5
Molding	Wiremold 700		+		=		5
Molding	Wiremold 3000		+		=		5
Floor Molding	Wiremold 1500		+		=		5
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

Miscellaneous Items 3				
Hardware	Description		Labor Cost Per Item	Points
Core Drill	1" x 6" core			10
Core Drill	2" x 6" core			10
Core Drill	3" x 6" core			10
Core Drill	4" x 6" core			10
Please add all costs in the sub total column		TOTAL	$	
Total divided by 4		Average	$	

END OF REGION FOUR

REGION FIVE PRICING

I. CABLING (average length is 125 feet)

VENDORS MUST PROVIDE THE FOLLOWING UNIT PRICE INFORMATION ON THE QUANTITY OF CABLE RUNS PER JOB:

CATEGORY 5E CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6 CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6A CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

ADDITIONAL CABLING

Include additional cabling installation description.

INSIDE WIRE - 24 GAUGE (PLENUM) PER 100 FT. RUN							
Conductors	Number of Cables	Material Price		Labor Cost		Total Cost	Points
2 PAIR	1-25		+		=		10
2 PAIR	26-100		+		=		5
4 PAIR	1-25		+		=		10
4 PAIR	26-100		+		=		5
12 PAIR	1-25		+		=		10
12 PAIR	26-100		+		=		5
25 PAIR	1-25		+		=		10
25 PAIR	26-100		+		=		5
50 PAIR	1-25		+		=		15
50 PAIR	26-100		+		=		5
100 PAIR	1-25		+		=		15
100 PAIR	26-100		+		=		5
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

10 Gig Quad Data Drop						
Cables	Material Price Per Run		Labor Cost Per Run		Total Cost	Points
4 per run		+		=		25

Pricing to relocate DMARC shall include all materials and labor including, core drilling, sleeves, fireproofing, mounting or support hardware and termination block.

Relocate DMARC							
Cable	Floors	Material Cost Per Run		Labor Cost per Foot		Total Cost per Foot	Points
Category 6	1-5		+		=		25
Category 6	5-10		+		=		15
Please add allcosts in the Total Cost per Foot column				TOTAL		$	
Total divided by 2				Average		$	

Pricing for cable removal shall include all labor to remove and dispose of the cable from UCS premisses.

CABLE REMOVAL				
Cable	Number of Cables		Labor Cost Per Cable	Points
CATEGORY 5 -6A	1-50			25
Coax (RG/6)	1-50			5
Please add all costs in the labor Cost per Cable column		TOTAL	$	
Total divided by 2		Average	$	

2. FIBER OPTICS

Pricing for new fiber optic backbone cabling shall be completed with the following qualifications:

I. All cables shall be installed via all manufacturers and industry specifications.

II. Pricing shall include all materials and supports to install cable.

III. Prices for PVC cable shall include 1" corrugated innerduct. Unless otherwise instructed, when plenum cable is used it can be run without innerduct or conduit.

IV. Pricing shall include shall include all testing as required by our Communications Cabling Standard.

V. When installing fiber optic panels and fiber optic backbone cable simultaneously one round of testing consisting of bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode and any documentation required under our communications standards will be sufficient for product approval.

VI. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

BACKBONE FIBER OPTICS - Multimode - 50µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 50µ Plenum Cable		+		=		20
12 Strand / 50µ Riser Cable		+		=		15
12 Strand / 50µ PVC Cable		+		=		15
12 Strand / 50µ Armored Cable		+		=		15
24 Strand / 50µ Plenum Cable		+		=		20
24 Strand / 50µ Riser Cable		+		=		15
24 Strand / 50µ PVC Cable		+		=		15
24 Strand / 50µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average		

BACKBONE FIBER OPTICS - Multimode - 62.5µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 62.5µ Plenum Cable		+		=		20
12 Strand / 62.5µ Riser Cable		+		=		15
12 Strand / 62.5µ PVC Cable		+		=		15
12 Strand / 62.5µ Armored Cable		+		=		15
24 Strand / 62.5µ Plenum Cable		+		=		20
24 Strand / 62.5µ Riser Cable		+		=		15
24 Strand / 62.5µ PVC Cable		+		=		15
24 Strand / 62.5µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Single mode						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / SM Plenum Cable		+		=		20
12 Strand / SM Riser Cable		+		=		15
12 Strand / SM PVC Cable		+		=		15
12 Strand / SM Armored Cable		+		=		15
24 Strand / SM Plenum Cable		+		=		20
24 Strand / SM Riser Cable		+		=		15
24 Strand / SM PVC Cable		+		=		15
24 Strand / SM Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

Pricing for fiber optic splicing shall be completed with the following qualifications:

I. All splices shall be performed via fusion splicing

II. Splices marked as a pigtail splice shall consist of a vendor supplied UPC factory built pigtail which shall be fusion spliced onto an unterminated fiber cable.

III. The SC connector is the UCS standard. (UCS has the right to request other than SC)

IV. All splicing prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

V. All fiber optic panel installation prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

VI. All work must conform to our current Network Cabling Specifications Standard which are included with this bid.

VII. Fiber optic panel installation prices shall include vendor supplied fiber optic panel, mounting, cable preparation, fusion splicing, and testing.

VIII. It is understood that as standards change the requirements for testing will change accordingly.

IX. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

FIBER OPTIC SPLICING - Multimode / 50µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 50µ Pigtail Splice	24 or Less		+		=			15
Multimode / 50µ Pigtail Splice	25 or more		+		=			10
Multimode / 50µ Fusion Splice	24 or Less		+		=			15
Multimode / 50µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Multimode / 62.5µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 62.5µ Pigtail Splice	24 or Less		+		=			15
Multimode / 62.5µ Pigtail Splice	25 or more		+		=			10
Multimode / 62.5µ Fusion Splice	24 or Less		+		=			15
Multimode / 62.5µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Single mode							
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice	Points
Single mode Pigtail Splice	24 or Less		+		=		15
Single mode Pigtail Splice	25 or more		+		=		10
Single mode Fusion Splice	24 or Less		+		=		15
Single mode Fusion Splice	25 or more		+		=		10
Please add all costs in the Total Cost per Splice column					TOTAL	$	
Total divided by 4					Average	$	

Fiber Optic Panel Installation							
Type	Mount Location	Material Cost		Labor Cost		Sub Total	Points
24 Port - 50µ Multimode FOP	Rack		+		=		10
24 Port - 62.5µ Multimode FOP	Rack		+		=		20
24 Port - Single mode FOP	Rack		+		=		25
24 Port - 50µ Multimode FOP	Wall		+		=		10
24 Port - 62.5µ Multimode FOP	Wall		+		=		20
24 Port - Single mode FOP	Wall		+		=		25
Please add all costs in the sub total column				TOTAL		$	
Total divided by 6				Average		$	

If not using ADC Panels for this bid - check here: ☐

If above box is checked include name, model, and specification sheet of panel being used.

3. LCD TV Installation:
Pricing for LCD TV installation shall be completed with the following qualifications:

I. UCS will supply TV and Mounting Bracket. All other hardware required to mount the LCD TV shall be supplied by the vendor and will be included in the pricing.
II. UCS will supply connector terminated composite cables. All other hardware required to install the composite cables shall be supplied by the vendor and included in the pricing.
III. If plywood (5/8 - sanded) is required to mount LCD TV it shall be provided by the vendor.

LCD TV Installation							
Size	Mount Type	Material Cost		Labor Cost		Sub Total	Points
37 " LCD TV	Wall		+		=		15
37" LCD TV	Ceiling		+		=		10
40" LCD TV	Wall		+		=		25
40" LCD TV	Ceiling		+		=		20
42" LCD TV	Wall		+		=		25
42" LCD TV	Ceiling		+		=		20
60" LCD TV	Wall		+		=		25
60" LCD TV	Ceiling		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 8				Average		$	

LCD TV Cable Installation							
Cable Type	Size	Material Cost		Labor Cost		Sub Total	Points
Composite	25'		+		=		25
Composite	50'		+		=		25
Composite	75'		+		=		25
Composite	100'		+		=		25
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

4. **IP Camera**
Pricing for IP Camera installation shall be completed with the following qualifications:

IP Camera Installation Description:

I. UCS will supply IP Cameras, enclosures and power supplies.
II. Average cable length is 200 feet.
III. All other material, testing equipment, and labor to mount, network connect, and power camera shall be supplied by vendor.
IV. 90% of single view IP cameras shall be powered via "Power over ethernet" the remaining 10% shall be powered by a power cable supplied by vendor.*
V. All PTZ Cameras require a vendor supplied four (4) # 14 AWG conductor plenum cable to power camera with 24 Volt Power Supplies included with camera.
VI. Vendor shall install and certify data cables with data certification matching the facility (category 5e, 6 or 6A).
VII. All testing shall be performed to our current network specifications.
VIII. A swap out is defined as removing an existing IP Camera and installing a new model which is the same or of similar nature to the existing camera.
IX. Vendor will supply all lifts for mounting (separate charge as line item).
X. Vendor shall power on all cameras.
XI. Vendor shall point and focus all single view IP cameras.
XII. Vendor shall mark and label all termination points.
XIII. Vendor will warrant all labor for five years.

IP Camera Equipment Description:

I. Single view IP Camera is currently either Axis 221, 212, 223M or 216 FD/FD-V
II. Small PTZ IP Camera is currently Axis 213
III. Large PTZ IP Camera is currently Axis 233D
IV. Single view indoor IP Camera enclosures is currently the Pelco HS4012
V. Single view outdoor IP Camera enclosure is currently the Axis ACH13HB
VI. Large and small PTZ IP Camera enclosures are Axis Pendant Dome W/Heat/Blower

UCS reserves the right to make substitutions of IP cameras or enclosures with similar and comparable equipment to the above mentioned IP Camera equipment. Any substitutions shall not effect the pricing below providing the substitution does not effect the method of installation and is similar to the named equipment above.

IP Camera Installation							
Camera	Mount	Material Cost		Labor Cost		Sub Total	Points
Single View	No enclosure		+		=		20
Single View	Inside enclosure		+		=		15
Single View	Outside enclosure		+		=		15
Single View	Swap Out		+		=		10
Small PTZ	No enclosure		+		=		15
Small PTZ	Inside enclosure		+		=		15
Small PTZ	Outside enclosure		+		=		10
Small PTZ	Swap Out		+		=		5
Large PTZ	No enclosure		+		=		20
Large PTZ	Inside enclosure		+		=		25
Large PTZ	Outside enclosure		+		=		25
Large PTZ	Swap Out		+		=		15
Price to run extra power cable for a single camera*			+		=		10
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 13				Average		$	

* Power cable shall be 2 conductor # 14 AWG plenum cable at 125' average length.

Miscellaneous IP Camera items							
Item	Instance	Material		Labor Cost		Sub Total	Points
Lift rental	Per day		+		=		20
Trouble shoot Camera	Per Hour		+		=		20
Replace Power Supply	Per Item		+		=		10
Install Plywood*	Per Item		+		=		10
Refocus and Repoint	Per Item		+		=		10
Install iBoot**	Per Item		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 6				Average		$	

* Provide and install one 4' by 8' (or smaller) 5/8 - sanded plywood sheet to data closet wall. All material and labor included in cost.

** Mount iBoot device on wall. UCS supplies the iBoot device. All other mounting hardware supplied by the vendor. Typically needs one small anchor and mounting screw.

5. Wireless Access Points

Pricing for Wireless Access Points (WAP) installation shall be completed with the following qualifications:

I. UCS shall supply and program each Wireless Access Point, all other materials shall be supplied by vendor.
II. Vendor shall run one data drop per WAP location and test drop as per UCS network testing specifications.
III. Vendor will install data cable above ceiling tiles. The access points will be installed on the ceiling grid when possible.
IV. Vendor shall leave a network cable 15' (fifteen foot) service loop at each WAP location.

Wireless Access Points							
Hardware	Amount	Material Cost		Labor Cost		Sub Total	Points
WAP	10 or less		+		=		30
WAP	11 - 40		+		=		30
WAP	41 - 100		+		=		30
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 3				Average		$	

6. Alternate Network Hardware and Miscellaneous Items:

Miscellaneous Items 1							
Hardware	Description	Material Cost		Labor Cost		Sub Total	Points
Kronos Device *	Wall Mounted		+		=		40
Open Bay Rack	½ Size		+		=		10
Open Bay Rack	Full		+		=		10
2' Cabinet	Wall mount		+		=		10
4' Cabinet	Wall mount		+		=		20
6' Cabinet	Wall mount		+		=		10
4' Cabinet	Floor mount		+		=		20
6' Cabinet	Floor mount		+		=		10
Please add all costs in the sub total column				TOTAL		$	
Total divided by 8				Average		$	

Pricing shall include all materials and labor for an installed product.

* Kronos device supplied and programed by UCS. All other material to mount and install to be furnished by vendor.

Miscellaneous Items 2							
Hardware	Description	Material Cost Per Foot		Labor Cost Per Foot		Sub Total	Points
Ladder Rack	12" wide		+		=		5
Molding	Wiremold 700		+		=		5
Molding	Wiremold 3000		+		=		5
Floor Molding	Wiremold 1500		+		=		5
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

Miscellaneous Items 3			
Hardware	Description	Labor Cost Per Item	Points
Core Drill	1" x 6" core		10
Core Drill	2" x 6" core		10
Core Drill	3" x 6" core		10
Core Drill	4" x 6" core		10
Please add all costs in the sub total column	TOTAL	$	
Total divided by 4	Average	$	

END OF REGION FIVE

REGION SIX PRICING

I. CABLING (average length is 125 feet)

VENDORS MUST PROVIDE THE FOLLOWING UNIT PRICE INFORMATION ON THE QUANTITY OF CABLE RUNS PER JOB:

CATEGORY 5E CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6 CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6A CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

ADDITIONAL CABLING

Include additional cabling installation description.

INSIDE WIRE - 24 GAUGE (PLENUM) PER 100 FT. RUN							
Conductors	Number of Cables	Material Price		Labor Cost		Total Cost	Points
2 PAIR	1-25		+		=		10
2 PAIR	26-100		+		=		5
4 PAIR	1-25		+		=		10
4 PAIR	26-100		+		=		5
12 PAIR	1-25		+		=		10
12 PAIR	26-100		+		=		5
25 PAIR	1-25		+		=		10
25 PAIR	26-100		+		=		5
50 PAIR	1-25		+		=		15
50 PAIR	26-100		+		=		5
100 PAIR	1-25		+		=		15
100 PAIR	26-100		+		=		5
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

10 Gig Quad Data Drop						
Cables	Material Price Per Run		Labor Cost Per Run		Total Cost	Points
4 per run		+		=		25

Pricing to relocate DMARC shall include all materials and labor including, core drilling, sleeves, fireproofing, mounting or support hardware and termination block.

Relocate DMARC							
Cable	Floors	Material Cost Per Run		Labor Cost per Foot		Total Cost per Foot	Points
Category 6	1-5		+		=		25
Category 6	5-10		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL		$	
Total divided by 2				Average		$	

Pricing for cable removal shall include all labor to remove and dispose of the cable from UCS premisses.

CABLE REMOVAL				
Cable	Number of Cables		Labor Cost Per Cable	Points
CATEGORY 5 -6A	1-50			25
Coax (RG/6)	1-50			5
Please add all costs in the labor Cost per Cable column		TOTAL	$	
Total divided by 2		Average	$	

2. FIBER OPTICS

Pricing for new fiber optic backbone cabling shall be completed with the following qualifications:

I. All cables shall be installed via all manufacturers and industry specifications.

II. Pricing shall include all materials and supports to install cable.

III. Prices for PVC cable shall include 1" corrugated innerduct. Unless otherwise instructed, when plenum cable is used it can be run without innerduct or conduit.

IV. Pricing shall include shall include all testing as required by our Communications Cabling Standard.

V. When installing fiber optic panels and fiber optic backbone cable simultaneously one round of testing consisting of bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode and any documentation required under our communications standards will be sufficient for product approval.

VI. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

BACKBONE FIBER OPTICS - Multimode - 50µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 50µ Plenum Cable		+		=		20
12 Strand / 50µ Riser Cable		+		=		15
12 Strand / 50µ PVC Cable		+		=		15
12 Strand / 50µ Armored Cable		+		=		15
24 Strand / 50µ Plenum Cable		+		=		20
24 Strand / 50µ Riser Cable		+		=		15
24 Strand / 50µ PVC Cable		+		=		15
24 Strand / 50µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Multimode - 62.5µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 62.5µ Plenum Cable		+		=		20
12 Strand / 62.5µ Riser Cable		+		=		15
12 Strand / 62.5µ PVC Cable		+		=		15
12 Strand / 62.5µ Armored Cable		+		=		15
24 Strand / 62.5µ Plenum Cable		+		=		20
24 Strand / 62.5µ Riser Cable		+		=		15
24 Strand / 62.5µ PVC Cable		+		=		15
24 Strand / 62.5µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Single mode						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / SM Plenum Cable		+		=		20
12 Strand / SM Riser Cable		+		=		15
12 Strand / SM PVC Cable		+		=		15
12 Strand / SM Armored Cable		+		=		15
24 Strand / SM Plenum Cable		+		=		20
24 Strand / SM Riser Cable		+		=		15
24 Strand / SM PVC Cable		+		=		15
24 Strand / SM Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

Pricing for fiber optic splicing shall be completed with the following qualifications:

I. All splices shall be performed via fusion splicing

II. Splices marked as a pigtail splice shall consist of a vendor supplied UPC factory built pigtail which shall be fusion spliced onto an unterminated fiber cable.

III. The SC connector is the UCS standard. (UCS has the right to request other than SC)

IV. All splicing prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

V. All fiber optic panel installation prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

VI. All work must conform to our current Network Cabling Specifications Standard which are included with this bid.

VII. Fiber optic panel installation prices shall include vendor supplied fiber optic panel, mounting, cable preparation, fusion splicing, and testing.

VIII. It is understood that as standards change the requirements for testing will change accordingly.

IX. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

FIBER OPTIC SPLICING - Multimode / 50µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 50µ Pigtail Splice	24 or Less		+		=			15
Multimode / 50µ Pigtail Splice	25 or more		+		=			10
Multimode / 50µ Fusion Splice	24 or Less		+		=			15
Multimode / 50µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Multimode / 62.5µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 62.5µ Pigtail Splice	24 or Less		+		=			15
Multimode / 62.5µ Pigtail Splice	25 or more		+		=			10
Multimode / 62.5µ Fusion Splice	24 or Less		+		=			15
Multimode / 62.5µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Single mode							
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice	Points
Single mode Pigtail Splice	24 or Less		+		=		15
Single mode Pigtail Splice	25 or more		+		=		10
Single mode Fusion Splice	24 or Less		+		=		15
Single mode Fusion Splice	25 or more		+		=		10
Please add all costs in the Total Cost per Splice column					TOTAL	$	
Total divided by 4					Average	$	

Fiber Optic Panel Installation							
Type	Mount Location	Material Cost		Labor Cost		Sub Total	Points
24 Port - 50µ Multimode FOP	Rack		+		=		10
24 Port - 62.5µ Multimode FOP	Rack		+		=		20
24 Port - Single mode FOP	Rack		+		=		25
24 Port - 50µ Multimode FOP	Wall		+		=		10
24 Port - 62.5µ Multimode FOP	Wall		+		=		20
24 Port - Single mode FOP	Wall		+		=		25
Please add all costs in the sub total column				TOTAL		$	
Total divided by 6				Average		$	

If not using ADC Panels for this bid - check here: ☐

If above box is checked include name, model, and specification sheet of panel being used.

3. LCD TV Installation:
Pricing for LCD TV installation shall be completed with the following qualifications:

I. UCS will supply TV and Mounting Bracket. All other hardware required to mount the LCD TV shall be supplied by the vendor and will be included in the pricing.
II. UCS will supply connector terminated composite cables. All other hardware required to install the composite cables shall be supplied by the vendor and included in the pricing.
III. If plywood (5/8 - sanded) is required to mount LCD TV it shall be provided by the vendor.

LCD TV Installation							
Size	Mount Type	Material Cost		Labor Cost		Sub Total	Points
37 " LCD TV	Wall		+		=		15
37" LCD TV	Ceiling		+		=		10
40" LCD TV	Wall		+		=		25
40" LCD TV	Ceiling		+		=		20
42" LCD TV	Wall		+		=		25
42" LCD TV	Ceiling		+		=		20
60" LCD TV	Wall		+		=		25
60" LCD TV	Ceiling		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 8				Average		$	

LCD TV Cable Installation							
Cable Type	Size	Material Cost		Labor Cost		Sub Total	Points
Composite	25'		+		=		25
Composite	50'		+		=		25
Composite	75'		+		=		25
Composite	100'		+		=		25
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

4. **IP Camera**
Pricing for IP Camera installation shall be completed with the following qualifications:

IP Camera Installation Description:

I. UCS will supply IP Cameras, enclosures and power supplies.
II. Average cable length is 200 feet.
III. All other material, testing equipment, and labor to mount, network connect, and power camera shall be supplied by vendor.
IV. 90% of single view IP cameras shall be powered via "Power over ethernet" the remaining 10% shall be powered by a power cable supplied by vendor.*
V. All PTZ Cameras require a vendor supplied four (4) # 14 AWG conductor plenum cable to power camera with 24 Volt Power Supplies included with camera.
VI. Vendor shall install and certify data cables with data certification matching the facility (category 5e, 6 or 6A).
VII. All testing shall be performed to our current network specifications.
VIII. A swap out is defined as removing an existing IP Camera and installing a new model which is the same or of similar nature to the existing camera.
IX. Vendor will supply all lifts for mounting (separate charge as line item).
X. Vendor shall power on all cameras.
XI. Vendor shall point and focus all single view IP cameras.
XII. Vendor shall mark and label all termination points.
XIII. Vendor will warrant all labor for five years.

IP Camera Equipment Description:

I. Single view IP Camera is currently either Axis 221, 212, 223M or 216 FD/FD-V
II. Small PTZ IP Camera is currently Axis 213
III. Large PTZ IP Camera is currently Axis 233D
IV. Single view indoor IP Camera enclosures is currently the Pelco HS4012
V. Single view outdoor IP Camera enclosure is currently the Axis ACH13HB
VI. Large and small PTZ IP Camera enclosures are Axis Pendant Dome W/Heat/Blower

UCS reserves the right to make substitutions of IP cameras or enclosures with similar and comparable equipment to the above mentioned IP Camera equipment. Any substitutions shall not effect the pricing below providing the substitution does not effect the method of installation and is similar to the named equipment above.

IP Camera Installation							
Camera	Mount	Material Cost		Labor Cost		Sub Total	Points
Single View	No enclosure		+		=		20
Single View	Inside enclosure		+		=		15
Single View	Outside enclosure		+		=		15
Single View	Swap Out		+		=		10
Small PTZ	No enclosure		+		=		15
Small PTZ	Inside enclosure		+		=		15
Small PTZ	Outside enclosure		+		=		10
Small PTZ	Swap Out		+		=		5
Large PTZ	No enclosure		+		=		20
Large PTZ	Inside enclosure		+		=		25
Large PTZ	Outside enclosure		+		=		25
Large PTZ	Swap Out		+		=		15
Price to run extra power cable for a single camera*			+		=		10
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 13				Average		$	

* Power cable shall be 2 conductor # 14 AWG plenum cable at 125' average length.

Miscellaneous IP Camera items							
Item	Instance	Material		Labor Cost		Sub Total	Points
Lift rental	Per day		+		=		20
Trouble shoot Camera	Per Hour		+		=		20
Replace Power Supply	Per Item		+		=		10
Install Plywood*	Per Item		+		=		10
Refocus and Repoint	Per Item		+		=		10
Install iBoot**	Per Item		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 6				Average		$	

* Provide and install one 4' by 8' (or smaller) 5/8 - sanded plywood sheet to data closet wall. All material and labor included in cost.

** Mount iBoot device on wall. UCS supplies the iBoot device. All other mounting hardware supplied by the vendor. Typically needs one small anchor and mounting screw.

5. Wireless Access Points

Pricing for Wireless Access Points (WAP) installation shall be completed with the following qualifications:

I. UCS shall supply and program each Wireless Access Point, all other materials shall be supplied by vendor.
II. Vendor shall run one data drop per WAP location and test drop as per UCS network testing specifications.
III. Vendor will install data cable above ceiling tiles. The access points will be installed on the ceiling grid when possible.
IV. Vendor shall leave a network cable 15' (fifteen foot) service loop at each WAP location.

Wireless Access Points							
Hardware	Amount	Material Cost		Labor Cost		Sub Total	Points
WAP	10 or less		+		=		30
WAP	11 - 40		+		=		30
WAP	41 - 100		+		=		30
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 3				Average		$	

6. Alternate Network Hardware and Miscellaneous Items:

Miscellaneous Items 1							
Hardware	Description	Material Cost		Labor Cost		Sub Total	Points
Kronos Device *	Wall Mounted		+		=		40
Open Bay Rack	½ Size		+		=		10
Open Bay Rack	Full		+		=		10
2' Cabinet	Wall mount		+		=		10
4' Cabinet	Wall mount		+		=		20
6' Cabinet	Wall mount		+		=		10
4' Cabinet	Floor mount		+		=		20
6' Cabinet	Floor mount		+		=		10
Please add all costs in the sub total column				TOTAL		$	
Total divided by 8				Average		$	

Pricing shall include all materials and labor for an installed product.

* Kronos device supplied and programed by UCS. All other material to mount and install to be furnished by vendor.

Miscellaneous Items 2							
Hardware	Description	Material Cost Per Foot		Labor Cost Per Foot		Sub Total	Points
Ladder Rack	12" wide		+		=		5
Molding	Wiremold 700		+		=		5
Molding	Wiremold 3000		+		=		5
Floor Molding	Wiremold 1500		+		=		5
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

Miscellaneous Items 3			
Hardware	Description	Labor Cost Per Item	Points
Core Drill	1" x 6" core		10
Core Drill	2" x 6" core		10
Core Drill	3" x 6" core		10
Core Drill	4" x 6" core		10
Please add all costs in the sub total column	TOTAL	$	
Total divided by 4	Average	$	

END OF REGION SIX

REGION SEVEN PRICING

I. CABLING (average length is 125 feet)

VENDORS MUST PROVIDE THE FOLLOWING UNIT PRICE INFORMATION ON THE QUANTITY OF CABLE RUNS PER JOB:

CATEGORY 5E CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6 CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

CATEGORY 6A CABLING							
Run per Wall Plate	Number of Drops	Material Price		Labor Cost		Total Cost	Points
Single Drop	1-25		+		=		20
Single Drop	26-100		+		=		5
Single Drop	100+		+		=		5
Dual Drop	1-25		+		=		30
Dual Drop	26-100		+		=		5
Dual Drop	100+		+		=		5
Triple Drop	1-25		+		=		10
Triple Drop	26-100		+		=		3
Triple Drop	100+		+		=		2
Quad Drop	1-25		+		=		10
Quad Drop	26-100		+		=		3
Quad Drop	100+		+		=		2
Please add all costs in the Total Cost column				TOTAL		$	
Total divided by 12				Average		$	

* Testing listing the NVP, will include Wiremap, Attenuation, NEXT, PSNEXT, Return Loss, ELFEXT an PSELFEXT, overall pass / fail indication and date of the test..

ADDITIONAL CABLING

Include additional cabling installation description.

INSIDE WIRE - 24 GAUGE (PLENUM) PER 100 FT. RUN							
Conductors	Number of Cables	Material Price		Labor Cost		Total Cost	Points
2 PAIR	1-25		+		=		10
2 PAIR	26-100		+		=		5
4 PAIR	1-25		+		=		10
4 PAIR	26-100		+		=		5
12 PAIR	1-25		+		=		10
12 PAIR	26-100		+		=		5
25 PAIR	1-25		+		=		10
25 PAIR	26-100		+		=		5
50 PAIR	1-25		+		=		15
50 PAIR	26-100		+		=		5
100 PAIR	1-25		+		=		15
100 PAIR	26-100		+		=		5
Please add all costs in the Total Cost column					TOTAL	$	
Total divided by 12					Average	$	

10 Gig Quad Data Drop						
Cables	Material Price Per Run		Labor Cost Per Run		Total Cost	Points
4 per run		+		=		25

Pricing to relocate DMARC shall include all materials and labor including, core drilling, sleeves, fireproofing, mounting or support hardware and termination block.

Relocate DMark							
Cable	Floors	Material Cost Per Run		Labor Cost per Foot		Total Cost per Foot	Points
Category 6	1-5		+		=		25
Category 6	5-10		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL		$	
Total divided by 2				Average		$	

Pricing for cable removal shall include all labor to remove and dispose of the cable from UCS premisses.

CABLE REMOVAL				
Cable	Number of Cables		Labor Cost Per Cable	Points
CATEGORY 5 -6A	1-50			25
Coax (RG/6)	1-50			5
Please add all costs in the labor Cost per Cable column		TOTAL	$	
Total divided by 2		Average	$	

2. FIBER OPTICS

Pricing for new fiber optic backbone cabling shall be completed with the following qualifications:

I. All cables shall be installed via all manufacturers and industry specifications.

II. Pricing shall include all materials and supports to install cable.

III. Prices for PVC cable shall include 1" corrugated innerduct. Unless otherwise instructed, when plenum cable is used it can be run without innerduct or conduit.

IV. Pricing shall include shall include all testing as required by our Communications Cabling Standard.

V. When installing fiber optic panels and fiber optic backbone cable simultaneously one round of testing consisting of bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode and any documentation required under our communications standards will be sufficient for product approval.

VI. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

BACKBONE FIBER OPTICS - Multimode - 50µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 50µ Plenum Cable		+		=		20
12 Strand / 50µ Riser Cable		+		=		15
12 Strand / 50µ PVC Cable		+		=		15
12 Strand / 50µ Armored Cable		+		=		15
24 Strand / 50µ Plenum Cable		+		=		20
24 Strand / 50µ Riser Cable		+		=		15
24 Strand / 50µ PVC Cable		+		=		15
24 Strand / 50µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Multimode - 62.5µ						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / 62.5µ Plenum Cable		+		=		20
12 Strand / 62.5µ Riser Cable		+		=		15
12 Strand / 62.5µ PVC Cable		+		=		15
12 Strand / 62.5µ Armored Cable		+		=		15
24 Strand / 62.5µ Plenum Cable		+		=		20
24 Strand / 62.5µ Riser Cable		+		=		15
24 Strand / 62.5µ PVC Cable		+		=		15
24 Strand / 62.5µ Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

BACKBONE FIBER OPTICS - Single mode						
Strand / Size Type	Material Cost per Foot		Labor Cost per Foot		Total Cost per Foot	Points
12 Strand / SM Plenum Cable		+		=		20
12 Strand / SM Riser Cable		+		=		15
12 Strand / SM PVC Cable		+		=		15
12 Strand / SM Armored Cable		+		=		15
24 Strand / SM Plenum Cable		+		=		20
24 Strand / SM Riser Cable		+		=		15
24 Strand / SM PVC Cable		+		=		15
24 Strand / SM Armored Cable		+		=		15
Please add all costs in the Total Cost per Foot column				TOTAL	$	
Total divided by 8				Average	$	

Pricing for fiber optic splicing shall be completed with the following qualifications:

I. All splices shall be performed via fusion splicing

II. Splices marked as a pigtail splice shall consist of a vendor supplied UPC factory built pigtail which shall be fusion spliced onto an unterminated fiber cable.

III. The SC connector is the UCS standard. (UCS has the right to request other than SC)

IV. All splicing prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

V. All fiber optic panel installation prices must include bi-directional power testing at 1310 & 1550 wavelengths and bi-directional OTDR testing at 1310 & 1550 wavelengths utilizing a 1000 meter launch box for single mode and at 850 & 1300 wavelengths utilizing a 100 meter launch box for multimode.

VI. All work must conform to our current Network Cabling Specifications Standard which are included with this bid.

VII. Fiber optic panel installation prices shall include vendor supplied fiber optic panel, mounting, cable preparation, fusion splicing, and testing.

VIII. It is understood that as standards change the requirements for testing will change accordingly.

IX. If a discrepancy exists between industry, manufacturers , UCS network cable standards or this document then the more stringent version will be the standard used.

FIBER OPTIC SPLICING - Multimode / 50µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 50µ Pigtail Splice	24 or Less		+		=			15
Multimode / 50µ Pigtail Splice	25 or more		+		=			10
Multimode / 50µ Fusion Splice	24 or Less		+		=			15
Multimode / 50µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Multimode / 62.5µ								
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice		Points
Multimode / 62.5µ Pigtail Splice	24 or Less		+		=			15
Multimode / 62.5µ Pigtail Splice	25 or more		+		=			10
Multimode / 62.5µ Fusion Splice	24 or Less		+		=			15
Multimode / 62.5µ Fusion Splice	25 or more		+		=			10
Please add all costs in the Total Cost per Splice column					TOTAL	$		
Total divided by 4					Average	$		

FIBER OPTIC SPLICING - Single mode							
Type	Number of Splices	Material Cost per Splice		Labor Cost per Splice		Total Cost per Splice	Points
Single mode Pigtail Splice	24 or Less		+		=		15
Single mode Pigtail Splice	25 or more		+		=		10
Single mode Fusion Splice	24 or Less		+		=		15
Single mode Fusion Splice	25 or more		+		=		10
Please add all costs in the Total Cost per Splice column					TOTAL	$	
Total divided by 4					Average	$	

Fiber Optic Panel Installation							
Type	Mount Location	Material Cost		Labor Cost		Sub Total	Points
24 Port - 50µ Multimode FOP	Rack		+		=		10
24 Port - 62.5µ Multimode FOP	Rack		+		=		20
24 Port - Single mode FOP	Rack		+		=		25
24 Port - 50µ Multimode FOP	Wall		+		=		10
24 Port - 62.5µ Multimode FOP	Wall		+		=		20
24 Port - Single mode FOP	Wall		+		=		25
Please add all costs in the sub total column				TOTAL		$	
Total divided by 6				Average		$	

If not using ADC Panels for this bid - check here: ☐

If above box is checked include name, model, and specification sheet of panel being used.

3. LCD TV Installation:
Pricing for LCD TV installation shall be completed with the following qualifications:

I. UCS will supply TV and Mounting Bracket. All other hardware required to mount the LCD TV shall be supplied by the vendor and will be included in the pricing.
II. UCS will supply connector terminated composite cables. All other hardware required to install the composite cables shall be supplied by the vendor and included in the pricing.
III. If plywood (5/8 - sanded) is required to mount LCD TV it shall be provided by the vendor.

LCD TV Installation							
Size	Mount Type	Material Cost		Labor Cost		Sub Total	Points
37 " LCD TV	Wall		+		=		15
37" LCD TV	Ceiling		+		=		10
40" LCD TV	Wall		+		=		25
40" LCD TV	Ceiling		+		=		20
42" LCD TV	Wall		+		=		25
42" LCD TV	Ceiling		+		=		20
60" LCD TV	Wall		+		=		25
60" LCD TV	Ceiling		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 8				Average		$	

LCD TV Cable Installation							
Cable Type	Size	Material Cost		Labor Cost		Sub Total	Points
Composite	25'		+		=		25
Composite	50'		+		=		25
Composite	75'		+		=		25
Composite	100'		+		=		25
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

4. **IP Camera**
Pricing for IP Camera installation shall be completed with the following qualifications:

IP Camera Installation Description:

I. UCS will supply IP Cameras, enclosures and power supplies.
II. Average cable length is 200 feet.
III. All other material, testing equipment, and labor to mount, network connect, and power camera shall be supplied by vendor.
IV. 90% of single view IP cameras shall be powered via "Power over ethernet" the remaining 10% shall be powered by a power cable supplied by vendor.*
V. All PTZ Cameras require a vendor supplied four (4) # 14 AWG conductor plenum cable to power camera with 24 Volt Power Supplies included with camera.
VI. Vendor shall install and certify data cables with data certification matching the facility (category 5e, 6 or 6A).
VII. All testing shall be performed to our current network specifications.
VIII. A swap out is defined as removing an existing IP Camera and installing a new model which is the same or of similar nature to the existing camera.
IX. Vendor will supply all lifts for mounting (separate charge as line item).
X. Vendor shall power on all cameras.
XI. Vendor shall point and focus all single view IP cameras.
XII. Vendor shall mark and label all termination points.
XIII. Vendor will warrant all labor for five years.

IP Camera Equipment Description:

I. Single view IP Camera is currently either Axis 221, 212, 223M or 216 FD/FD-V
II. Small PTZ IP Camera is currently Axis 213
III. Large PTZ IP Camera is currently Axis 233D
IV. Single view indoor IP Camera enclosures is currently the Pelco HS4012
V. Single view outdoor IP Camera enclosure is currently the Axis ACH13HB
VI. Large and small PTZ IP Camera enclosures are Axis Pendant Dome W/Heat/Blower

UCS reserves the right to make substitutions of IP cameras or enclosures with similar and comparable equipment to the above mentioned IP Camera equipment. Any substitutions shall not effect the pricing below providing the substitution does not effect the method of installation and is similar to the named equipment above.

IP Camera Installation							
Camera	Mount	Material Cost		Labor Cost		Sub Total	Points
Single View	No enclosure		+		=		20
Single View	Inside enclosure		+		=		15
Single View	Outside enclosure		+		=		15
Single View	Swap Out		+		=		10
Small PTZ	No enclosure		+		=		15
Small PTZ	Inside enclosure		+		=		15
Small PTZ	Outside enclosure		+		=		10
Small PTZ	Swap Out		+		=		5
Large PTZ	No enclosure		+		=		20
Large PTZ	Inside enclosure		+		=		25
Large PTZ	Outside enclosure		+		=		25
Large PTZ	Swap Out		+		=		15
Price to run extra power cable for a single camera*			+		=		10
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 13				Average		$	

* Power cable shall be 2 conductor # 14 AWG plenum cable at 125' average length.

Miscellaneous IP Camera items							
Item	Instance	Material		Labor Cost		Sub Total	Points
Lift rental	Per day		+		=		20
Trouble shoot Camera	Per Hour		+		=		20
Replace Power Supply	Per Item		+		=		10
Install Plywood*	Per Item		+		=		10
Refocus and Repoint	Per Item		+		=		10
Install iBoot**	Per Item		+		=		20
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 6				Average		$	

* Provide and install one 4' by 8' (or smaller) 5/8 - sanded plywood sheet to data closet wall. All material and labor included in cost.

** Mount iBoot device on wall. UCS supplies the iBoot device. All other mounting hardware supplied by the vendor. Typically needs one small anchor and mounting screw.

5. Wireless Access Points

Pricing for Wireless Access Points (WAP) installation shall be completed with the following qualifications:

I. UCS shall supply and program each Wireless Access Point, all other materials shall be supplied by vendor.
II. Vendor shall run one data drop per WAP location and test drop as per UCS network testing specifications.
III. Vendor will install data cable above ceiling tiles. The access points will be installed on the ceiling grid when possible.
IV. Vendor shall leave a network cable 15' (fifteen foot) service loop at each WAP location.

Wireless Access Points							
Hardware	Amount	Material Cost		Labor Cost		Sub Total	Points
WAP	10 or less		+		=		30
WAP	11 - 40		+		=		30
WAP	41 - 100		+		=		30
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 3				Average		$	

6. Alternate Network Hardware and Miscellaneous Items:

Miscellaneous Items 1							
Hardware	Description	Material Cost		Labor Cost		Sub Total	Points
Kronos Device *	Wall Mounted		+		=		40
Open Bay Rack	½ Size		+		=		10
Open Bay Rack	Full		+		=		10
2' Cabinet	Wall mount		+		=		10
4' Cabinet	Wall mount		+		=		20
6' Cabinet	Wall mount		+		=		10
4' Cabinet	Floor mount		+		=		20
6' Cabinet	Floor mount		+		=		10
Please add all costs in the sub total column				TOTAL		$	
Total divided by 8				Average		$	

Pricing shall include all materials and labor for an installed product.

* Kronos device supplied and programed by UCS. All other material to mount and install to be furnished by vendor.

Miscellaneous Items 2							
Hardware	Description	Material Cost Per Foot		Labor Cost Per Foot		Sub Total	Points
Ladder Rack	12" wide		+		=		5
Molding	Wiremold 700		+		=		5
Molding	Wiremold 3000		+		=		5
Floor Molding	Wiremold 1500		+		=		5
Please add all costs in the total column				SUB TOTALS		$	
Sub totals divided by 4				Average		$	

Miscellaneous Items 3				
Hardware	Description		Labor Cost Per Item	Points
Core Drill	1" x 6" core			10
Core Drill	2" x 6" core			10
Core Drill	3" x 6" core			10
Core Drill	4" x 6" core			10
Please add all costs in the sub total column		TOTAL	$	
Total divided by 4		Average	$	

END OF REGION SEVEN

RFB #OCA/CPA-###

VENDOR NOTE: THE COST OF DATA CABLE AND TELEPHONE CABLE INSTALLATIONS SHOULD BE ALL INCLUSIVE. ANY LABOR OR EQUIPMENT CHARGES REQUIRED FOR CABLE INSTALLATIONS AND NOT INCLUDED IN THE BID PRICE(S) MUST BE ITEMIZED, SIGNED AND ATTACHED TO THIS BID RESPONSE FORM. ALSO, BIDDERS MUST SUBMIT A CATALOG OF ALL AUXILIARY EQUIPMENT OR ACCESSORIES SUCH AS PANDUIT, CONDUIT, CABLE COVERS, RACEWAYS, ETC. THE CATALOG SHOULD INCLUDE THE LIST PRICES AND PERCENTAGE DISCOUNT(S) TO BE APPLIED AS A COMPONENT OF THE RESULTING CONTRACT. THE CATALOG SHOULD INCLUDE AN INSTALLATION COST FOR EACH ITEM.
NOTE PERCENTAGE DISCOUNT FOR OTHER CATALOG ITEMS/ACCESSORIES AND INCLUDE FULL CATALOG, OR APPLICABLE SECTIONS THEREOF, WITH BID:
BIDDERS MUST ALSO ATTACH THE PRICING STRUCTURE FOR OUTSIDE BURIAL CABLE AND AERIAL CABLE IF DIFFERENT THAN OUTLINED BY THE OCA/DoT HEREIN OR ON THE BID RESPONSE FORM.

Regions Company is Bidding On - (Check BID or NO BID)		
Region Number	BID	NO BID
Region 1		
Region 2		
Region 3		
Region 4		
Region 5		
Region 6		
Region 7		

COMPANY	
TITLE	
AUTHORIZED SIGNATURE	
DATE	
PRINTED NAME	

Method of Award:
A single contract shall be awarded to the bidder scoring the **highest point total** based on the criteria set forth below. UCS reserves the right to award the contract by region in which case there would be one contract per region. The DOT shall establish an evaluation committee to review all bid responses received in a timely manner pursuant to the following criteria and assigned maximum points:

Cost Evaluation:
Each line item in each category shall have a weight point associated with it. The lowest price per line item shall be awarded the point associated with it. All costs shall be added in each category per contractor and the contractor with the highest point will be awarded the full point amount. The second highest total points per category will be awarded their point amount divided by two, the third highest total points per category shall be awarded their point amount divided by three and so on. Each Category shall also be scored for average pricing of all line item prices per contractor. The contractor with the lowest average price per contractor shall be awarded 10 extra points. All category point totals shall be totaled. The contractor with highest total points shall be awarded the contract. In the event of a tie all category pricing sub totals shall be averaged and the contractor with the total lowest average price shall be awarded the contract.

Example: (This is an example of the scoring between three contractors A, B, and C)

Contractor A - Category 1							
ITEM	Number of Items	Material Price per item		Labor Cost per item		Total Cost Per Item	Points
Item A	1-25	10.00	+	31.00	=	41.00	20
Item B	1-25	12.00	+	35.00	=	47.00	15
Item C	1-25	15.00	+	30.00	=	45.00	10
Please add all costs in the Total Cost column				TOTAL		$133.00	10
Total divided by 3				Average		$44.33	

Contractor A - Category 2							
ITEM	Number of Items	Material Price per item		Labor Cost per item		Total Cost Per Item	Points
Item A	1-25	10.00	+	40.00	=	50.00	20
Item B	1-25	15.00	+	60.00	=	75.00	15
Item C	1-25	10.00	+	35.00	=	45.00	10
Please add all costs in the Total Cost column				TOTAL		$170.00	10
Total divided by 3				Average		$56.66	

Contractor B - Category 1							
ITEM	Number of Items	Material Price per item		Labor Cost per item		Total Cost Per Item	Points
Item A	1-25	10.00	+	30.00	=	40.00	20
Item B	1-25	15.00	+	30.00	=	45.00	15
Item C	1-25	15.00	+	31.00	=	46.00	10
Please add all costs in the Total Cost column				TOTAL		$131.00	10
Total divided by 3				Average		$43.67	

Contractor B - Category 2							
ITEM	Number of Items	Material Price per item		Labor Cost per item		Total Cost Per Item	Points
Item A	1-25	11.00	+	25.00	=	36.00	20
Item B	1-25	5.00	+	17.00	=	22.00	15
Item C	1-25	7.00	+	50.00	=	57.00	10
Please add all costs in the Total Cost column				TOTAL		$115.00	10
Total divided by 3				Average		$38.33	

Contractor C - Category 1							
ITEM	Number of Items	Material Price per item		Labor Cost per item		Total Cost Per Item	Points
Item A	1-25	10.00	+	32.00	=	42.50	20
Item B	1-25	9.00	+	40.00	=	49.00	15
Item C	1-25	15.00	+	60.00	=	75.00	10
Please add all costs in the Total Cost column				TOTAL		$166.50	10
Total divided by 3				Average		$55.33	

Contractor C - Category 2							
ITEM	Number of Items	Material Price per item		Labor Cost per item		Total Cost Per Item	Points
Item A	1-25	25.00	+	50.00	=	75.00	20
Item B	1-25	20.00	+	30.00	=	51.00	15
Item C	1-25	30.00	+	10.00	=	40.00	10
Please add all costs in the Total Cost column				TOTAL		$166.00	10
Total divided by 3				Average		$55.33	

Category 1 Score Sheet						
Vendors	Points Category 1		Average Bonus Points		Sub Total Points	Points Awarded
Contractor A	10	+	0	=	10	5
Contractor B	35	+	10	=	45	45
Contractor C	0	+	0	=	0	0

Category 2 Score Sheet						
Vendors	Points Category 2		Average Bonus Points		Sub Total Points	Points Awarded
Contractor A	0	+	0	=	0	0
Contractor B	35	+	10	=	45	45
Contractor C	10	+	0	=	10	5

Score Sheet Totals						
Vendors	Points Awarded Category 1		Points Awarded Category 2		Total Points	Winner
Contractor A	5	+	0	=	5	
Contractor B	45	+	45	=	**95**	X
Contractor C	0	+	5	=	5	

The award shall be made to the bidder totaling the highest point total per region and determined by the evaluation committee to be responsible as defined above. In case the DOT determines that the lowest bidder is not responsible, it reserves the right to award to the next lowest and responsible bidder.

In addition to the evaluation criteria set forth above, bidder shall be defined as "responsible" in accordance with, but not limited to, compliance with this RFP's specifications, references, past performance history, financial stability and any other criteria necessary and reasonable to establish the bidder's responsibility.

Supporting Presentation:
The OCA/DOT reserves the right to request any additional information it deems necessary to analyze bidder's response and it may request bidder to make an oral and visual presentation(s), on an individual basis, in support of its proposal.

Survey: There will be no survey for this RFB.

Changes:
Under no circumstances should the awarded contractor act on any verbal communications of judicial and non-judicial personnel. Any and all communications must be in writing. The awarded contractor assumes all risks in acting otherwise.

Qualifications:
Bidder shall provide an **organizational chart** identifying the names and titles of the Account Manager and team members responsible for the Unified Court System's account. The Account Manager's business address, phone and fax numbers as well as e-mail address should be provided. Bidder shall provide a description of its company history and resources.

Bidder's response must document its ongoing current experience in providing the full range of services contained in this RFP's specifications or bidder's response may be rejected (See Document Check-List)

Subcontracting:
The contractor shall not subcontract any portion of his/her work without the knowledge and written approval of The Office of Court Administration / Division of Technology designated Project Manager.

Subcontracting of any services described herein shall be subject to the following:

1. Bidder must identify each proposed subcontractor, type of service(s) to be performed, length and nature of bidder's relationship with proposed subcontractor and must provide any and all additional information regarding the proposed subcontractor as UCS considers reasonable and necessary.

2. All proposed subcontractors shall be subject to the approval of OCA/DOT prior to engagement by contractor and any such approved subcontractor shall be held to the same performance standards as awarded contractor.

3. The UCS, OCA/DOT will communicate only with awarded contractor and the awarded contractor shall remain wholly liable for the performance of any such subcontractor, it's employees, agents, consultants or representatives.

The awarded contractor will be the prime contractor and is ultimately responsible for the completion and delivery of all aspects of this RFB's Specifications.

Independent Contractor Status:
It is expressly understood and agreed that the awarded contractor's status shall be that of an independent provider of services and that no officer, employee, servant or subcontractor of the contractor is an employee of the UCS, OCA or State of New York. The awarded contractor shall be solely responsible for the work, assignment, compensation, benefits and personal conduct and standards of all such persons assigned to the provision of services. Nothing herein shall be construed to impose any liability or duty on the UCS, OCA or State of New York to persons, firms, consultants or corporations employed or engaged by the awarded contractor either directly or indirectly in any capacity whatsoever, nor shall the UCS, OCA or State of New York be liable for any acts, omissions, liabilities, obligations or taxes of any nature including, but not limited to, unemployment and Workers' Compensation insurance of the awarded contractor or any of its employees or subcontractors.

Liability Insurance:
The awarded contractor, at its sole cost and expense, shall obtain and maintain in force throughout the term of the Agreement, from an insurance company licensed to do business in New York State, insurance policies of the kinds and amounts not less than the greater of the amounts listed below or the amounts required by applicable law:

- Worker's Compensation insurance in accordance with the Worker's Compensation Laws of the State of New York;
- Commercial General Liability Insurance (bodily injury and property damage on an occurrence basis), including automobile insurance, contractual and products/completed operations liability coverage, with minimum limits as follows:

Bodily injury to any one person	$1,000,000
Bodily injury aggregate per occurrence	$1,000,000
Property damage in any one accident	$ 500,000
Property damages aggregate pe occurrence	$1,000,000

Contractor's commercial general liability shall name UCS as an additional insured and shall be primary insurance with respect to UCS. Contractor shall furnish to UCS certificates of insurance evidencing all coverages required and shall furnish complete copies of policies promptly upon UCS request.

Compliance with Laws:
Awarded contractor must be compliant with all applicable federal, state and local laws, rules and regulations prior to and during the provision of all services under the contract resulting from this RFB/RFP.

Financial Stability:
Upon request by OCA, each bidder shall provide a copy of its financial filings as audited by a certified auditing firm for the past three consecutive years, as well as copies of the bidder's last three (3) annual reports.

UCS Communications Cabling Standards - 5/1/07

Please Note: Determine if the site has been previously wired with Category 5e.

If it is a situation where additional wiring is required in a site previously wired with Cat 5e, then Cat 5e is The Standard for data and for voice for the added drop(s), and the specifications that follow should be modified by substituting Category 5e where Category 6 appears.

- otherwise -

If it is a situation where the site is a new facility or has not yet been wired, or if the site has been wired with Category 6, then The Standard for data and for voice for the added drop(s) is Category 6, and the specifications that follow should not be modified.

Standard Workstation Data Cabling Specification

1. **Desktop data wiring must comply with the Category 6 specification (TIA/EIA-568-B.2-1) end-to-end, and support GIGABIT Ethernet. The components of desktop wiring includes UTP cables, connectors, and patch panels . Wiring order for all data terminations is T568B.**

2. **Determine whether the site is to be wired for VOIP (Voice Over IP). Accordingly, either 2a or 2b:**

   Site is to be wired for VOIP:
   2a. Each work area outlet shall have three (3) RJ45 data outlets. The three (3) horizontal data outlet runs shall consist of Category 6, 4 pair 24 AWG copper cables as specified in # 1 above.

   Site is NOT to be wired for VOIP:
   2b. Each work area outlet shall have two (2) RJ45 data outlets. The three (2) horizontal data outlet runs shall consist of Category 6, 4 pair 24 AWG copper cables as specified in # 1 above.

3. **All RJ45 data outlets to be cabled with individual 4-pair cable with unbroken return to punch down on back of Category 6 data patch panel in telecommunication closet or cabinet. Cable length from data outlet (station) to patch panel should not exceed 295 feet.**

4. **During the design phase of any new court facility, UCS Director of the Dept of Technology must be consulted as to the exact power requirements required in each data and network closet area. A minimum power requirement of two (2) separate dedicated 110-volt or 220-volt, 15 amp circuits with two (2) outlets per circuit shall be supplied. *If available power shall be supplied from an emergency power panel connected to a backup generator to provide electricity to network center . OCA/DoT will provide network centers and all IDF closets with UPS units*. The supplied power and**

grounding requirements shall be contingent on the needed capacity and specifications of equipment to be installed and will be specified by UCS. A rack mounted power strip with 10 surge protected outlets must be provided with each cabinet or rack . When a modular networking frame is used the installer will secure it to the floor as per manufacturers specifications. Cable management accessories will be supplied as needed. All racks and cabinets shall be properly secured and grounded according to equipment manufacturers specifications, all local fire codes, all local electrical codes and according to current TIA/EIA industry standards.

5. **Fiber riser configuration will be a collapsed backbone home run from the MDF to the IDF. The riser shall be composite cable with 12 strand Single Mode Fiber (SM Fiber must be Corning SMF-28E Fiber) and 12 strand Multi Mode Fiber (MM Fiber must be 50/125 um Corning Infinicor SX+ Fiber). The cost will include all parts and labor to make the fiber operational. UCS reserves the right to select the type and manufacturer of the fiber optic cable to be installed. The type of fiber/cable should be submitted to the Division of Technology for review and authorization prior to installation.**

6. **At least 48-strand single mode fiber is required for connection between courthouses in a campus environment. SM Fiber must be Corning SMF-28E Fiber. The OSP (outside plant) cables can be pulled into the building within 50 feet distance unless indoor/outdoor fiber cables are used.**

   In addition all courthouses are to be supplied with two diverse telecommunications points of entry (minimum of 50 feet separation at all times between diverse conduit paths) and consist of a minimum of four (4) - 4" inch conduits providing access from the interior of the building to the curb-line, thus providing outside plant access to the building. These points of entry will be connected to the main data center via four (4) - 4" inch EMT conduits to each point of entry dedicated for telecommunications cabling use.

7. **All ISP (Inside Plant) fiber optic cabling must be fire, smoke, and halogen free rated. OSP cables must be weather resistant, gel flooded stabilized fiber.**

8. **All fiber runs must support Gigabit Ethernet standards. SC connectors shall be used, unless instructed otherwise in writing.**

9. **All wiring and cabling shall be installed in a neat professional manner and shall be in compliance with the National Electrical Code, State and local electrical building and fire codes. If cable trays are not used, supports should be anchored every 4-6 feet via threaded rods or beam clamps. Penetration through fire walls must include the appropriate site sleeve and be fire stopped. Low voltage cables shall not be tie-wrapped or secured to other electrical mediums or conduit pipes. When wraps are needed, velcro will be permitted.**

11. **All fiber optic connections shall be performed via fusion splicing. Connectors shall be installed via fusion splicing a factory made, machine polished UPC pig tail to the fiber optic cable. Mechanical connectors and splices shall not be used without prior notification and permission from the OCA DoT.**

12. The vendor must provide cable certification, which will certify Category 6 copper and fiber optic cable installations according to current TIA/EIA specifications & standards. All newly installed single-mode fibers shall be tested bi-directional via OTDR and power meter. All newly installed multi-mode fiber shall be tested bi-directional via Power meter. All multi-mode fiber installations where the cable exceeds 500 feet will also be tested bi-directional via OTDR. Upon completion of all jobs, the vendor must provide the Unified Court System Dept of Technology with three sets of documentation on certification results and AutoCAD files indicating cable location, labels and all connections. All testing documentation and trace files shall be submitted in printed and electronic form. The vendor will provide raw test data and any associated programs required to view this data, without charge to the Unified Court System. Vendor is to provide a 15 year manufacturer's product warranty and a 15 year performance warranty. ALL (FIBER & CABLING) Certification and documentation are to be included in the cost of cabling.

13. Wi-Fi access should be given consideration in public access areas (Jury rooms/Assembly rooms). OCA will require one single data jack be installed in the ceiling with 25ft of slack so the Access Point can be moved for better reception.

14. All data closets must be grounded and bonded per TIA-942 specifications.

Standard Analog/Telephone Station Cabling Specifications

1. All voice wiring will use category 6 4-pair UTP (unshielded twisted-pair), the same one used for data cabling. All RJ11 outlets (wall plate or floor jacks), patch panels, and 110 block products must use current EIA/TIA sequence for termination, and associated face plates, etc. to meet Category "6" specification.

2. Determine whether the site is to be wired for VOIP (Voice Over IP). Accordingly, either 2a or 2b:

Site is to be wired for VOIP:

2a. Only designated fax / emergency backup phone locations will have one (1) RJ11 voice outlet. The voice outlet runs will consist of one (1) sheath of 4-pair, Category 6, UTP copper cables as specified in #1 above.

Site is NOT to be wired for VOIP:

2b. All locations will have two (2) RJ11 voice outlets. The voice outlet runs will consist of one (1) sheath of 4-pair, Category 6, UTP copper cables as specified in #1 above.

3. All RJ11 voice outlets to be cabled with individual 4-pair cable with unbroken return to punch down on Category 6 - 110 blocks in the telecommunication closet or cabinet. Open cable (cross connect wire) will only be allowed on an MDF or IDF.

4. All wiring and cabling shall be installed in a neat and professional manner and shall be compliant with the National Electrical Code, State and all Local electrical, building, and fire codes. The routing of cables and labeled demarc's shall be identified to the purchaser by providing two copies of a complete system wiring diagram, and cable records.

5. All cable installations must include line and station connector blocks, jacks, gas tube

protectors where necessary, and demarcation plugs. All mounted on fire rated plywood backboards. In a single floor, single building installation, station cable will be run from the backboard to the modular wall or floor jack which serves the station. When pricing station cable, all termination blocks, modular wall or floor jacks, housing and face plates are all considered part of the station cable.

6. The vendor will assist the Unified Court System in determining the quantities, location and type of terminations and cross connects, required for each installation. The vendor will also assist in determining the needs for distribution cable and any aerial or buried cable requirements.

7. Whenever a distribution cable is required to be run to another floor or adjacent building, the intermediate distribution frames (IDF) and cables are priced as separate items and are not considered station cable. All cable runs between buildings will require gas tube protection and the required cable terminations in both buildings and must be included in the cost of the cable.

8. Each horizontal voice run shall be made with UTP cable of a different color jack from the data cable.

Network Construction Requirements > Quality of Assurance

All work and equipment shall conform to the appropriate portions of the following specifications, codes and regulations:

A. UCS Telephone and Data Wiring Specifications
B. Building Industry Consulting Services International (BICSI) - Telecommunications Distribution Methods Manual (TDMM)
C. IEEE Standards
D. ANSI/TIA/EIA Standards

1. ANSI/TIA/EIA - 568-B.1-- Commercial Building Telecommunications Cabling Standard, Part 1: General Requirements.
2. ANSI/TIA/EIA -568-B.2 -- Commercial Building Telecommunications Cabling Standard, Part 2: Balanced Twisted Pair Cabling Components
3. ANSI/TIA/EIA - 568-B.3 -- Optical Fiber Cabling Components Standard
4. ANSI/TIA/EIA - 569A -- Commercial Building Standard for Telecommunications Pathways and Spaces
5. ANSI/TIA/EIA - 606 (A) -- The Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
6. ANSI/TIA/EIA - 607 (A) -- Commercial Building Grounding and Bonding Requirements for Telecommunications
7. ANSI/TIA/EIA - 526-7 -- Measurement of Optical Power Loss of Installed Single-Mode Fiber Cable Plant.
8. ANSI/TIA/EIA - 526-14A -- Measurement of Optical Power Loss of Installed Multimode Fiber Cable Plant.
9. ANSI/TIA/EIA - 758(A) -- Customer-Owned Outside Plant Telecommunications Cabling Standard.
10. ANSI/TIA/EIA - 942 Telecommunications Infrastructure Standard for Data Centers

E. National Electric Safety Code (NESC)
F. National Fire Protection Agency (NFPA)
G. National Electrical Code (NEC)
H. Any Applicable State and Local Codes

If conflict exists between applicable documents, then the more stringent requirement shall apply. All conflict resolution must be approved by the NYS - UCS prior to installation. Questions concerning specifics about this document should be directed to the State of New York Unified Court System Department of Telecommunications / Network Facilities Group at 212-428-2831.