



Financial Management Department
Purchasing Division
1112 Manatee Ave W Suite 803
Bradenton, FL 34205
Phone: (941) 749-3014
www.mymanatee.org

November 20, 2014

TO: All Interested Bidders
SUBJECT: Invitation for Bids #14-2841CD
Manatee County Administration Building 7th Floor Data Center Renovation

ADDENDUM #1

Bidders are hereby notified that this Addendum shall be acknowledged on page Bid Form-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgment of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

1. **CHANGE** the first paragraph of Article C.03 on page C-1 of the Bid documents to read as follows:

Award shall be to the lowest, responsive, responsible bidder having the lowest total offer for **Bid "Option #1"**, or the lowest total offer for **Bid "Option #2"**, for the requirements listed on the Bid Form for the Work as set forth in this IFB. Bid prices shall include costs for furnishing all labor, equipment and/or materials for the completion of the Work in accordance with and in the manner set forth and described in the IFB documents to County's satisfaction within the prescribed time.

2. **INSERT** the Administration Building 7th Floor Cabling Requirements after section 265100 of the Technical Specifications, which are attached to this Addendum #1.

3. **DELETE** the Table of Contents of the Technical Specifications and **INSERT** the Revised Table of Contents that is attached to this Addendum #1.

4. **DELETE** Bid Form page Bid Form-2 and **INSERT** the REVISED Bid Form pages Bid Form-2 thru Bid Form-3 that are attached to this Addendum #1.

5. **CLARIFICATION** of Vertical Conduit Path shown on the Electrical Plans:

The construction drawings show that the new power cable shall utilize a new conduit from the electrical room to the 7th Floor Data Center. This path shall be deleted and the contractor shall utilize an existing pair of 6" PVC conduit that originates in the loading dock area and runs to the roof penthouse. Contractor shall include connection from the electrical room to the existing conduit and tapping into the exiting conduit at the 7th floor.

6. **CLARIFICATION** of Alley Conduit shown on the Electrical Site Plan:

The construction drawings currently show a 2" conduit to be located from the generator room in the parking garage to the loading dock. As part of another project, conduit has been installed from the corner of the parking garage underground to the loading dock. The Contractor shall include connections from this point to the existing underground connections at the generator room.

7. **CLARIFICATION** of Ramp, stairs, and handrails shown on the Architectural Plans:

This Work shall be performed by Manatee County.

8. **CLARIFICATION** of lights shown on Plan Sheets A3.0 and A3.3:

The existing lights shall be reused per plan. The only new light fixtures shall be in the lab area. Additional leftover lights shall be returned to Manatee County.

9. **CLARIFICATION** of duplex outlets and dual-port data outlets shown on the Electrical Plans:

Contractor's bid shall include provisions for two duplex outlets and two dual-port data outlets on east stairwell wall at the flex area.

10. **CLARIFICATION** of Permit Fees:

Permit fee has been paid by Manatee County (City of Bradenton permit #0019060) and shall be picked up by the winning contractor upon execution of their contract

11. **DELETE** Article 1.5.A.2 of section 011000 of the Technical Specifications.

12. **CLARIFICATION** of PDU components in Article 2.03, and all sub-articles, of Section 262600 in the Technical Specifications:

Each of (2) PDU's shall meet the following performance standards:

- a. 225A @ 480VAC/3ph input circuit breaker
- b. 150kVA 480/208 step-down transformer (high efficiency C3L)
- c. (4) 250A, 3-pole sub-feed circuit breakers (to feed overhead bus system)
- d. (1) 225A, 42-space distribution panel board with (4) 20A, 1-pole circuit breakers.
- e. Lightning arrestor/surge suppressor

13. **CLARIFICATION** of ceiling heights as shown on the Architectural Plans:

The ceilings shall be a minimum of 9'-0" clear above finished floor (7'-6" above data center floor minimum).

The following questions have been presented by potential bidders:

Question #1: Please provide clarification as to who will be responsible for the following scopes of work:

- a. Doors, frames, and hardware
- b. Flooring and vinyl base
- c. Wall insulation/ sound batts
- d. Additional wire hangers for 2x4 fixtures in acoustical ceiling

Response #1: Manatee County will be responsible for this Work.

Question #2: Is the fire alarm system proprietary by Siemens or other like manufacturer that would prohibit other fire alarm companies from working on it?

Response #2: The system is not proprietary. Manatee County's contractor is Bellemare.

Question #3: We are assuming the Owner's contractors work is included in the overall project duration. How will the project timeline be enforced when the General Contractor is not completely in control of the project schedule and all contractors?

Response #3: The Contractor will be responsible for developing the project schedule with input from Manatee County. We do not anticipate holding the contractor up but any unforeseen delays by the county will not result in liquidated damages to the contractor.

Question #4 Manatee County has recently purchased (2) Data Aire G-Force Computer room Air Conditioners for the 4th Floor Hensley IT Room. These units were provided with direct drive plenum fans, and dual scroll compressors with hot gas bypass on the lead circuit. The Liebert units scheduled for the design of this project are running on Chilled water primary with DX Backup. Option 1 notes to be provided with 4 step semi hermetic compressors. Option 2 notes to be provided with digital scroll compressors. Are scroll compressors with Hot Gas Bypass acceptable? This will provide unloading to 25% capacity per unit, or with 3 units down to less than 10% total capacity during DX backup operation.

Response #4: Due to the requirements of another County Energy Savings project, provide specified or alternate A/C units as listed in the documents only.

Question #5: Manatee County has recently purchased (2) Data Aire G-Force Computer room Air Conditioners for the 4th Floor Hensley IT Room. These units were provided with Remote Condensers with a variable speed lead condenser fan and pressure control on the additional condenser fans. Liebert unit notes call for Variable speed remote condensers. Will Data Aire Remote Condensers with a variable speed lead condenser fan and pressure control on the additional condenser fans be acceptable?

Response #5: Due to the requirements of another County Energy Savings project, provide specified or alternate A/C units as listed in the documents only.

Question #6: Please clarify Bid Form. Item #9: HVAC CRAC Units and Condenser. Plans show Option #1, and Option #2 Listed. How are these options to be represented in the bid form?

Response #6: The Bid Form has been revised to provide pricing for each option, and is attached to this Addendum #1.

Question #7: Plans also show (4) Units listed on the schedule, but sheet M4.1 refers to CRAC-7.4 as future. Please confirm bid is to include only (3) Units.

Response #7: Provide bid for three units only.

Question #8: Reference is made that after hour work requires additional fees. Are the cut-overs of utility power to the new MBP switch included in the \$18,000.00 allotted or does it have to be added to the price of the bid items.

Response #8: Cut-overs of utility power to the new MBP switch does not at all relate to the \$18,000 allowance. The \$18,000 allowance is for security/access control only. After hours work pertaining to the cut-overs of utility power will not be a charge back to the County since the work is part of the contract, however this work will still require coordination, and scheduling.

Question #9: The maintenance bypass is called out as new but no reference is made if it is to replace the existing. I don't see it on the demolition drawings and the location isn't called out on the new work.

Response #9: Replace the existing maintenance bypass.

Question #10: Is this a Davis-Bacon project since it is a local government facility?

Response #10: No.

Question #11: On the drawing A3.2 it is showing 38 cabinets inside the data center. I am not finding any information regarding the size, preferred make of the cabinets, inter cabinet cabling, cable tray layout or fiber/copper connection to the Demarc for inbound circuits. Are we to include this in our number or will this be a part of another bid?

Response #11: Racks and cabinets are existing and shall remain. The only structured cabling is for the office and surrounding areas shown outside the data center area. Nothing data related within the data center is required as part of the bid.

Question #12: Do you have a structural analysis of the data center floor including the proposed load?

Response #12: No analysis was undertaken.

Question #13: Has the County gotten a Asbestos Survey of the space? Or is that the responsibility of the GC?

Response #13: Not required for this project.

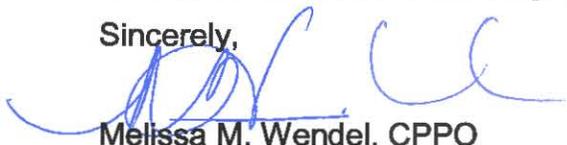
Question #14: Is the building of post-tension construction?

Response #14: Any penetration thru existing concrete will require the area to be x-rayed by a certified construction materials testing firm.

END OF ADDENDUM #1

Bids will be received at Manatee County Purchasing, 1112 Manatee Avenue West, Bradenton, Florida 34205 until **Wednesday, November 26, 2014 at 3:30 PM.**

Sincerely,



Melissa M. Wendel, CPPO
Purchasing Official

DIVISION 01 - GENERAL REQUIREMENTS

011000	SUMMARY
012000	MEASUREMENT AND PAYMENT
012500	SUBSTITUTION PROCEDURES
012600	CONTRACT MODIFICATION PROCEDURES
012900	PAYMENT PROCEDURES
013100	PROJECT MANAGEMENT AND COORDINATION
013200	CONSTRUCTION PROGRESS DOCUMENTATION
013300	SUBMITTAL PROCEDURES
014000	QUALITY REQUIREMENTS
014200	REFERENCES
015000	TEMPORARY FACILITIES AND CONTROLS
016000	PRODUCT REQUIREMENTS
017300	EXECUTION
017419	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
017700	CLOSEOUT PROCEDURES
017823	OPERATION AND MAINTENANCE DATA
017839	PROJECT RECORD DOCUMENTS
017900	DEMONSTRATION AND TRAINING

DIVISION 02 - SITE

N/A

DIVISION 03 - CONCRETE

N/A

DIVISION 04 - MASONRY

N/A

DIVISION 05 - METALS

N/A

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

N/A

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

N/A

DIVISION 08 - OPENINGS

087111 DOOR HARDWARE

DIVISION 09 - FINISHES

N/A

DIVISION 10 - SPECIALTIES

101400 SIGNAGE

DIVISION 11 - EQUIPMENT

N/A

DIVISION 12 – FURNISHINGS

N/A

MECHANICAL SPECIFICATIONS

- 23 00 00..... MECHANICAL GENERAL REQUIREMENTS
- 23 01 00..... PROJECT CLOSE OUT
- 23 02 00..... OPERATION AND MAINTENANCE MANUALS
- 23 05 00..... ELECTRICAL POWER AND AUXILIARIES
- 23 06 00..... VIBRATION AND NOISE ISOLATION
- 23 08 00..... PAINTING AND IDENTIFICATION
- 23 09 00..... ACCESS AND MAINTENANCE
- 23 20 00..... PIPING GENERAL
- 23 21 00..... PIPING FOR HVAC SYSTEMS
- 23 22 00..... REFRIGERANT PIPING
- 23 23 00..... FLOW, PRESSURE AND TEMPERATURE MEASURING DEVICES
- 23 24 00..... CONDENSATE DRAIN PIPING
- 23 40 00..... AIR HANDLING MECHANICAL EQUIPMENT
- 23 60 00..... WATER TREATMENT
- 23 65 00..... INSULATION - HVAC
- 23 73 00..... AIR DISTRIBUTION SYSTEMS
- 23 75 00..... AIR TERMINAL UNITS
- 23 83 00..... COMPUTER ROOM AIR CONDITIONERS
- 23 90 00..... DIRECT DIGITAL CONTROLS
- 23 95 00..... TEST AND BALANCE

ELECTRICAL SPECIFICATIONS

- 26 01 00.....BASIC ELECTRICAL REQUIREMENTS
- 26 05 19.....BUILDING WIRE AND CABLE
- 26 05 26.....GROUNDING AND BONDING
- 26 05 29.....HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
- 26 05 33.....RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS
- 26 22 13.....ULTRA LOW LOSS TRANSFORMERS
- 26 24 16.....PANELBOARDS
- 26 25 00.....ENCLOSED BUS ASSEMBLIES (BUSWAY)
- 26 26 00.....POWER DISTRIBUTION UNITS
- 26 27 26.....WIRING DEVICES
- 26 28 16.....ENCLOSED SWITCHES AND CIRCUIT BREAKERS
- 26 43 13.....SURGE PROTECTIVE DEVICES (SPD)
- 26 51 00.....INTERIOR LIGHTING

Administration Building – 7th Floor Cabling Requirements (Provided By Manatee County ITS Staff)

7th Floor Data Center Renovation
Manatee County Admin. Bldg., Bradenton, Florida

END OF TABLE OF CONTENTS

7th Floor Data Center Renovation
Manatee County Admin. Bldg., Bradenton, Florida

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Manatee County Government

Administration Building 7th Floor Cabling Requirements.

1.0 SCOPE OF SPECIFICATION

This specification is intended to describe the requirements to furnish, engineer and install voice and data (universal) cables, and any associated hardware for the cabling requirements of the remodeling project of the seventh floor of the Manatee County Administration Building (ADM). It is not the intent of this specification to list all the necessary parts required for the installation, although there are specific manufacture/model number items that must be used. These requirements will be specified within this scope. It is the vendor's responsibility to provide a list of all parts required to complete the installation. The bidder is responsible for furnishing and installing all necessary incidental installation materials.

1.1 SITE OF WORK TO BE PERFORMED

Manatee County Administration Building, Seventh Floor at 1112 Manatee Avenue West, Bradenton, Fl. 34205

1.2 EXAMINATION OF PROPOSED WORK SITES

Prior to the submission of a bid, each bidder **must visit the site** to become familiar with any and all conditions that may in any manner affect the labor or services that are required to completely execute the full intent of this specification.

1.3 COORDINATION OF SPECIFICATIONS AND SITE INSPECTION

For coordination of site inspection or answers to questions pertaining to specifications, bidder's, shall contact **Bill Kersey @ 941-748-4501 X 5803.**

2.0 SCOPE OF WORK TO BE PERFORMED

Supply, install, terminate and test (4) "Orange" (color specific) category 6 rated cables for data and voice applications (universal) at any outlet location so designated on the drawing within the modular furniture for such stated purposes throughout the seventh floor construction area of the facility. In addition, place (1) category 6 cables for any additional data requirement device, such as wireless access points (AP) or camera's as so designated on the drawings. Provide all materials needed to terminate from work area modular furniture outlet(s) to an existing rack within the seventh floor telecommunications room (PBX) using installation, termination and testing procedures as specified within the TIA-568-C standard(s). Terminate to telecommunications room number 739 within the space provided in existing TR rack F5 and label in

accordance with existing number scheme used on existing patch panels within this rack. ***Bidder is required to submit brief statement of work to verify understanding of project requirements, summary materials list including manufacturer cut sheets for major components and proposed work schedule with anticipated project duration.***

3.0 CABLE INSTALLATION REQUIREMENTS

1. Telephone/Voice (Universal) cable pulls shall not exceed 90 meters from the telecomm / data closet to jack. It shall be the responsibility of Vendor to notify the MCG ITS Department in advance if, in their opinion, this limit will be exceeded, prior to installation.
2. All universal and wireless AP cable installations shall be installed with orange category 6 CMP rated four (4) pair cable and terminate at the station end on 8-position RJ type category 6 jacks. Labeling will be IAW with existing scheme already in use. Labeling material should match (as close as possible) existing color and font of existing labels on existing patch panels.
3. Modular furniture model specific, data jacks shall be colored to match 4-position faceplate and ivory in color. Blank filler inserts shall be installed when extra ports are not used. Wireless AP locations will require single surface or back box (lickem-stickem type) in designated ceiling locations. Labeling will be compliant with TIA-606-B labeling specifications.
4. In the telecommunications room, all data, AP, camera or BAC device cabling shall terminate on 24 port, single "U" space, flat (non-angled) category 6 patch panels of sufficient port count to support the required installed cables plus twenty five (20) percent growth. Labeling shall be in conjunction with TIA-606-B labeling specifications and MCG IT Department labeling materials and scheme.
5. Bidder to provide (200) "Yellow", category 6, 8-position, RJ45-RJ45 patch cords @ 7 foot in length.
6. Penetrations through floor and fire-rated walls shall utilize conduit sleeves and shall be firestopped after installation and testing, utilizing a firestopping assembly approved for that application.
7. Install all wiring from station location to the designated telecommunications room (TR), unless otherwise noted.
8. Installation shall conform to the following basic guidelines:
 - a. Use of approved wire, cable, and wiring devices.
 - b. Cable shall be installed in accordance with manufacturer's recommendations and best industry practices.
 - c. The cable's minimum bend radius and maximum pulling tension shall not be exceeded. Pulling tension on 4-pair UTP cables shall not exceed 25-lbf.
 - d. Cables shall not be attached to ceiling grid or lighting fixture wires. Where support for horizontal cable is required, Vendor shall install appropriate carriers to support the cabling.
 - e. J-hook or trapeze system shall be used to support cable bundles, all horizontal cables shall be supported at a maximum of 48 to 60 inch intervals. At no point shall cable(s) rest on acoustic ceiling grids or panels.
 - f. Horizontal distribution cables shall be grouped neatly and care should be taken to insure that bundling material does not cause deformation of the bottom cables within the bundle and degrade cable performance.

- g. Install cables in one continuous piece. Splices shall not be allowed under any circumstances.
- h. Cables shall be dressed and terminated in accordance with the recommendations made in the TIA-568-C standard(s), manufacturer's recommendations and best industry practices.
- i. Pair untwist at the termination shall not exceed manufacturer's recommendations.
- j. Cables shall be neatly bundled and dressed to their respective panels or blocks. Each panel or block shall be fed by an individual bundle separated and dressed back to the point of cable entrance into the rack or frame.
- k. The cable jacket shall be maintained as close as possible to the termination point.
- l. Cable strain relief system shall be used in back of patch panels for cable support.
- m. Manufacture/model specific single "U" space horizontal cable managers shall be provided and used in accordance with existing rack scheme.
(pn: TE/558329-1)

4.0 PRE-INSTALLATION INSPECTIONS

Visually inspect all cables, cable reels and shipping cartons to detect possible cable damage incurred during shipping and transport. Visibly damaged goods are to be returned to the supplier and replaced at no additional cost to MCG. If post-manufacture performance data has been supplied by the manufacturer of cables or connecting hardware, copies of such data shall be kept for inclusion in the documentation and made available to MCG upon request.

5.0 TESTING AND CERTIFICATION (category 6)

5.1 REQUIREMENTS

Vendor shall provide sufficient skilled labor to complete testing within the agreed upon test period. Vendor shall be responsible for supplying all of the required test equipment used to conduct acceptance tests. Vendor shall be responsible for submitting acceptance documentation.

5.2 TESTING OBSERVATION

The MCG IT Department reserves the right to be present during any or all testing. All cabling not tested strictly in accordance with these procedures shall be retested at no additional cost to MCG. A total of 100 percent of the installed cable shall be tested. All tests shall pass acceptance criteria defined below. Test equipment shall be fully charged prior to each day's testing or a fresh set of batteries shall be brought to the job site.

5.3 STANDARDS COMPLIANCE

All testing shall be performed in conformance with current TIA-568-C category 6 requirements. All tests shall be performed using a cable tester with current applicable firmware or software updates.

Vendor shall configure the tester to include at minimum the profile as follows:

- Attenuation
- Near End Cross Talk (NEXT)
- Power Sum Near End Cross Talk (PSNEXT)
- Return Loss
- Equal Level Far End Cross Talk (ELFEXT)
- Length (in feet)
- Propagation delay
- Delay skew
- Ambient Noise and Resistance.

5.4 DOCUMENTATION

Test results shall be provided in hardcopy report format (Adobe PDF) using the cable tester's software and electronic format on CD, compact flash or USB memory cards. Handwritten test reports or editable formats such as Excel spreadsheets or CSV files are not acceptable.

Test reports shall include the following information for each cabling element tested:

- Tester manufacture, model, serial number, software version and date of last factory calibration.
- Circuit ID number and project/job name.
- Auto-test specification used
- Date and time of test.
- Wiremap results that indicate the cabling has no shorts, opens, miswires, split, reversed or crossed pairs, and end-to-end connectivity is achieved.
- Attenuation, Near End Cross Talk (NEXT), Power Sum Near End Cross Talk (PSNEXT), Return Loss, Equal Level Far End Cross Talk (ELFEXT) and Power Sum Equal Level Far End Cross Talk (PSELFEXT) data that indicate the worst case result, the frequency at which it occurs, the limit at that point and the margin. Information shall be provided for all pairs or pair combinations and in both directions.
- Length (in feet), propagation delay and delay skew relative to the applicable limit.
- Any individual test that fails the relevant performance specification shall be marked as a FAIL and action taken to correct the problem.
- Overall pass/fail indication.

Test reports shall be submitted within five (5) business days of completion of testing.

6.0 ACCEPTANCE

Once all work has been completed, test documentation has been submitted, and MCG is satisfied that all work is in accordance with contract documents, MCG shall notify Vendor in writing of formal acceptance of the system.

- Designer/consultants and MCG may agree to allow certain cabling runs to exceed standardized performance criteria (e.g. length). In this event, such runs shall be explicitly identified and excluded from requirements to pass standardized tests.

- Acceptance shall be subject to completion of all work, successful post-installation testing, yielding 100 percent PASS rating, and receipt of full documentation as described above.

7.0 WARRANTY

Vendor must install universal cable system components with a manufacturer backed product defect and performance assurance warranty. Proof of warranty must be submitted in the form of site specific manufacturer documentation and certificate.

Incidental Materials

All incidental installation materials and equipment necessary to complete the relocation/installation as specified in this bid, i.e. screws, tie wraps, anchors, any type of equipment, tools, fire-stop material etc., shall be furnished by the bidder. The bidder is responsible for all test equipment and any special machinery that may be required to meet the requirements of this specification.

BID FORM

(Submitted in duplicate)

MANATEE COUNTY 7th FLOOR DATA CENTER RENOVATION

Bid Option #1 Based on a Construction Schedule of 120 days

Item #	Division #	Description	Est. Qty.	Unit	Unit Price	Extended Price
1	1.01	Mobilization	1	LS	\$	\$
2	1.02	Demolition	1	LS	\$	\$
3	7.01	Roofing - Pitch Pans	1	LS	\$	\$
4	8.01	Access Control- Convirgent Technologies				\$18,000.00
5	10.02	ADA Signage	15	each	\$	\$
6	15.01	Clean Agent System - Salvage & Reconfigure	1	LS	\$	\$
7	15.02	Fire Sprinkler System - Wet Pipe	1	LS	\$	\$
8	15.03	HVAC - New Air Handler, VAVs & Ducting	1	LS	\$	\$
9	15.04	HVAC - CRAC Units and Condenser (OPTION #1)	3	EA	\$	\$
10	15.05	HVAC- Controls	1	LS	\$	\$
11	15.03	HVAC- Test and Balance	1	LS	\$	\$
12	15.07	Drain Pan	1	LS	\$	\$
13	16.01	Electrical - Wiring	1	LS	\$	\$
14	16.02	Electrical - Lighting	1	LS	\$	\$
15	16.03	Electrical - Switchgear	1	LS	\$	\$
16	16.04	Electrical - PDU Gear	1	LS	\$	\$
17	16.05	Electrical - Low Volatge (wiring, pathways, trim)	1	LS	\$	\$
18	16.06	Electrical - Fire Alarm	1	LS	\$	\$
19	16.07	Electrical - Data and Structured Cabling	1	LS	\$	\$
TOTAL BASE BID Option #1 - Based on Completion Time of 120 Calendar Days						\$
20		CONTRACT CONTINGENCY WORK (USED ONLY WITH COUNTY APPROVAL)		10% OF TOTAL BASE BID		\$
TOTAL OFFER FOR BID Option #1 with Contract Contingency - Based on Completion Time of 120 Calendar Days						\$

Bidder Name: _____

Authorized Signature: _____

BID FORM

(Submitted in duplicate)

MANATEE COUNTY 7th FLOOR DATA CENTER RENOVATION

Bid Option #2 Based on a Construction Schedule of 120 days

Item #	Division #	Description	Est. Qty.	Unit	Unit Price	Extended Price
1	1.01	Mobilization	1	LS	\$	\$
2	1.02	Demolition	1	LS	\$	\$
3	7.01	Roofing - Pitch Pans	1	LS	\$	\$
4	8.01	Access Control- Convirgent Technologies				\$18,000.00
5	10.02	ADA Signage	15	each	\$	\$
6	15.01	Clean Agent System - Salvage & Reconfigure	1	LS	\$	\$
7	15.02	Fire Sprinkler System - Wet Pipe	1	LS	\$	\$
8	15.03	HVAC - New Air Handler, VAVs & Ducting	1	LS	\$	\$
9	15.04	HVAC - CRAC Units and Condenser (OPTION #2)	3	EA	\$	\$
10	15.05	HVAC- Controls	1	LS	\$	\$
11	15.03	HVAC- Test and Balance	1	LS	\$	\$
12	15.07	Drain Pan	1	LS	\$	\$
13	16.01	Electrical - Wiring	1	LS	\$	\$
14	16.02	Electrical - Lighting	1	LS	\$	\$
15	16.03	Electrical - Switchgear	1	LS	\$	\$
16	16.04	Electrical - PDU Gear	1	LS	\$	\$
17	16.05	Electrical - Low Volatge (wiring, pathways, trim)	1	LS	\$	\$
18	16.06	Electrical - Fire Alarm	1	LS	\$	\$
19	16.07	Electrical - Data and Structured Cabling	1	LS	\$	\$
		TOTAL BASE BID OPTION #2 - Based on Completion Time of <u>120</u> Calendar Days				\$
20		CONTRACT CONTINGENCY WORK (USED ONLY WITH COUNTY APPROVAL)		10% OF TOTAL BASE BID		\$
		TOTAL OFFER FOR BID OPTION #2 with Contract Contingency - Based on Completion Time of <u>120</u> Calendar Days				\$

Bidder Name: _____

Authorized Signature: _____