

Facility and Support Services

428 Western Avenue
Davenport, Iowa 52801-1004
fss@scottcountyia.com
(563) 326-8738 Voice (563) 328-3245 Fax



Request For Bids

Telecommunications Cabling

**Bicentennial Building – Phase 3
1st and 5th Floors**

Project #SCFSS0301-01

Scott County Facility and Support Services is requesting bids for telecommunications cabling for the Phase Three Renovation project at the Bicentennial Building. It is our intent to contract with a qualified, experienced cabling or telecommunications contractor to provide and install telecommunications premise cabling and terminations in 1st and 5th floor spaces currently under renovation. Interested contractors and vendors should submit bids for the project based on the following specifications, project drawings prepared by Larrison and Associates and furniture layouts prepared by Corporate Express for the project.

Submittal Instructions

Interested bidders must submit a sealed bid according to the instructions herein. Bids should be placed in a sealed envelope marked as follows:

SEALED BID
ATTN: PURCHASING DIVISION
PROJECT #SCFSS0301-01
428 Western Ave
Davenport, IA 52801

Faxed bids of 15 pages or less will be accepted at 563-326-8246. Faxed bids must include the above information in the cover page and must be received in their entirety before the bid deadline. Scott County is not responsible for incomplete or non-received faxed bids. To receive confirmation of faxed bids please contact the purchasing division, Bob Holliday at 563-326-8793.

Bids must be received at the above address before 2:00 p.m. on February 24, 2003. Bids received after that time will not receive consideration.

Questions about the bid or bid specifications should be directed to:

Dave Donovan; 563-326-8228
-or-
Tammy Speidel; 563-326-8738

Scott County reserves the right to reject any and/or all bids. Scott County reserves the right to accept the best bid, not necessarily the lowest bid. The decisions and interpretations of Scott County, its staff and the Scott County Board of Supervisors are final and are not subject to appeal.

PRE-BID SITE VISIT

Prospective bidders are encouraged to inspect the project site at one of two pre-bid walk-throughs before the bid submittal deadline. Dates for pre-bid walk-throughs are:

Monday, January 27, 2003 at 11:00 a.m.

Thursday, February 13, 2003 at 1:30 p.m.

Requests for site visits outside of the above times will be handled on a case by case basis. Individual site visits are discouraged. Scott County is not responsible for scheduling conflicts. Should a contractor require additional on-site time please contact Dave Donovan or Tammy Speidel. Scheduling of site visits outside of the above dates and times will be limited.

PROJECT DOCUMENTS

All bids must be based on the project documents along with site visit inspection and conditions. The project documents consist of bid specifications attached herein, project drawings and any addenda issued for the project. Project drawings are the architectural and engineering drawings prepared by Larrison and Associates and the furniture drawings by Corporate Express.

Architectural drawing set consists of architectural and engineering drawings including pertinent electrical drawings showing termination locations and floor plans. Furniture layouts show the location of free standing and systems furniture. Architectural drawing sets and telecomm furniture layouts are available from Scott County at the pre-bid conference times or by contacting Tammy Speidel or Dave Donovan at:

Facility and Support Services
428 Western Avenue
Davenport, IA 52801
563-326-8738

BID SPECIFICATIONS

Scope of Work

1. Install telecommunications cabling from each identified location (from drawings pages E103 and E104 and the furniture layout (including any additional locations identified at the pre-bid conferences and summarized in addendum) to the floor Telecommunication Room (141 and 520). Route all cabling through common corridors, above finish ceiling. Verify routing with OWNER.
2. At each termination location denoted by a diamond telecom symbol install cabling through conduit and backing box provided by others. Route cabling from conduit sweeps to corridor. In corridor, install "J" hooks to carry cabling back to Telecomm Room (see #1 above).
3. At each termination location install and terminate three (3) cables unless indicated otherwise herein.

4. Where required, route telecommunications cabling through systems furniture and install termination in panel partition surface.
5. Where required, route cabling through conduits to in-floor backing boxes (provided by owner and Identified at pre-bid conference). In general, these are located wherever systems furniture does not abut a building wall or structure. Specifically, two furniture groupings in room 130, one grouping in 517 and one grouping in 529 will require routing through a floor box. These groupings typically include multiple workstations. Owner will provide the floor box and conduit to the box.
6. Terminate each cabling run into triple termination devices as required. Mount termination devices into backing boxes. Install trim escutcheons to facilitate an aesthetic appearance. Color-code and number each termination (2 data, 1 telephone per location) – blue for data, orange for telephone.
7. Install “J” hooks with retainer clips as required to support all cabling above the ceiling. Provide support hooks minimum of every 6 feet. Ensure all cable supports and protects the integrity of the cable. Avoid tight radius bends and pinch points. Install cabling in accordance with manufacturer recommendations. Route cabling away from high voltage electrical sources to avoid interference. Coordinate above ceiling routing with owner and general contractor to avoid conflicts. Contractor shall verify ceiling clearances and existing and future ductwork, piping, etc. to avoid conflicts.
8. Install wire ties on all cable bundles in all corridor runs and in equipment rooms. Install ties minimum of one per six foot. In equipment room install wire ties on cable bundles minimum of one per 2 feet. Install all ties loose enough to move the tie on the bundle to avoid pinching cable. All wire ties shall be Velcro or equivalent, reusable type.
9. **Install 24 pair of multi-mode fiber optic riser cable from 141 to 520** through existing floor penetrations. Provide and install orange plastic interduct to carry the cable vertically. Provide vertical support and tension relief for the cable as required per manufacturers recommendations. Terminate all fibers using SC connectors and attach to owner provided fiber patch panels. Label all fiber terminations. Coordinate fiber labels with owner.
10. **Install 24 pair of multi-mode fiber optic riser cable from 141 to 423** through existing floor penetrations. Provide and install orange plastic interduct to carry the cable vertically. Provide vertical support and tension relief for the cable as required per manufacturers recommendations. Terminate all fibers using SC connectors and attach to owner provided fiber patch panels. Label all fiber terminations. Coordinate fiber labels with owner
11. **Install 24 pair of multi-mode fiber optic riser cable from 141 to 630** through existing floor penetrations. Provide and install orange plastic interduct to carry the cable vertically. Provide vertical support and tension relief for the cable as required per manufacturers recommendations. Terminate all fibers using SC connectors and attach to owner provided fiber patch panels. Label all fiber terminations. Coordinate fiber labels with owner.
12. **Install 48 pair of multi-mode fiber optic plenum cable from 120 to 141** in owner provided conduit pathway. Terminate all fibers using SC connectors and attach to owner provided fiber patch panels. Label all fiber terminations. Coordinate fiber labels with owner.

Approved Wiring Devices and Products

1. Cabling shall be Category 6 (proposed) standard cable installed to meet manufacturer and Cat 6 standards. All cabling shall be plenum rated for above ceiling installation.
2. Approved cabling manufacturer is Belden. No alternatives will be considered due to standardization from previous projects.
3. Cabling termination devices shall be Tier 1 products that have are certified for Cat 6 throughput and integrity.
4. Approved termination and connectivity device manufacturer is Panduit. No alternatives will be considered due to standardization from previous projects.
5. Install product combinations that are certified as systems compatible and warrantied together for Cat 6 throughputs. Provide owner with certification of manufacturer certification and compatability to Cat 6 standards and throughput.
6. Cabling color shall be blue.
7. Termination color codes shall be orange for telephone and blue for data.
8. All color code indicators on terminations must be integrated into termination device and changeable. Provide spare color plates or trim rings to owner.

Wiring Closet Layouts

Each floor has one central telecom room (141, 423, 520 and 630). OWNER will provide racking and cable tray system within the room to route cabling and to hold equipment. CONTRACTOR will provide 110/RJ45 termination patch panels and will terminate Cat 6 cable runs per specifications into specified 110 equipment. OWNER will provide jumper from 110 patch panel to network switch or telephone patch equipment.

CONTRACTOR will code all 110 terminations on the face of the patch panel. CONTRACTOR will numerically indicate each termination in an orderly sequential arrangement. All labels shall be mechanically produced and installed in an orderly, neat fashion to facilitate future punch-down changes.

All cabling within the telecomm room shall be bundled with removable cable ties and routed directly to cable trays and cable routing pathways. All cabling shall enter the telecomm room above the door in CONTRACTOR provided sleeves. CONTRACTOR shall provide one spare 4" sleeve into the room for future use. Firestop all sleeves after cabling is installed.

Testing and Warranty

CONTRACTOR shall test each cable run and each individual fiber for integrity and throughput to meet manufacturer's specifications and to qualify for integrated component guarantees provided by approved system alliances. Any cable runs or fibers not meeting manufacturers specification ranges shall be replaced at CONTRACTOR expense. Deliver test and throughput documents to OWNER at conclusion of installation.

CONTRACTOR shall warrant cable system and fiber integrity and throughput for a period of one year from date of project acceptance.

Project Access and Coordination

Owner shall provide reasonable access to the jobsite to allow the CONTRACTOR to complete the work required. CONTRACTOR shall coordinate activities with the owner and as necessary with the on-site general contractor and the electrical sub-contractor.

Project construction completion for Phase One is scheduled for June 13, 2003. Between May 19 and June 6, 2003 all furniture will be installed. CONTRACTOR shall schedule adequate resources to allow all cable installation before May 19, 2003. All wall jacks should be installed at that time. CONTRACTOR shall follow up and coordinate with the furniture install to insure all trim out into systems furniture is complete by June 13, 2002.

Installation Documentation – As-Builts

CONTRACTOR shall provide to OWNER as built documentation for the telecommunications installation. Documentation shall include a spreadsheet showing all numeric terminations by floor, room and wall location (ex. North wall, middle west wall, in systems furniture cubicle 405G). Said spreadsheet shall be delivered in MSEXCEL™ format.

CONTRACTOR will prepare an AutoCad™ drawing showing termination jack locations. Also note any cabling routing that deviates from the standards herein (in main corridors, entering above doors). OWNER shall provide CONTRACTOR with AutoCad™ base drawing showing wall and furniture locations.

CONTRACTOR shall provide testing and warranty documentation as specified herein.

INSURANCE REQUIREMENTS

The Contractor shall have in force during the period of this contract, insurance as listed below:

Bodily Injury and Property Damage Insurance: The CONTRACTOR shall take out and maintain during the life of this contract, bodily injury and property damage liability insurance under a comprehensive general form and automobile injury and property damage insurance under a comprehensive general form.

The required limits of this insurance shall not be less than:

General Liability:

Personal Injury – each person	\$1,000,000
Personal Injury – each occurrence	\$1,000,000
Personal Injury – Aggregate	\$1,000,000
Personal Damage – each occurrence including Broadform Liability Extension	\$1,000,000

**Automobile Liability – Owner, Non-Owned and Hired
Vehicles:**

Personal Injury – each person	\$1,000,000
-------------------------------	-------------

Personal Injury – each occurrence	\$1,000,000
Personal Damage – each occurrence	\$1,000,000

The above insurance shall cover the contractor's employees, the public and Scott County employees while in the buildings and on the grounds of Scott County.

Certificates of Insurance:

The CONTRACTOR shall deliver to **Facility & Support Services, Scott County Bi-Centennial Building**, certificates of insurance covering all above insurance in duplicate. Such certificates shall provide ten days prior to notice by registered mail of any material change in, or cancellation of this insurance. CONTRACTOR shall maintain this coverage on a standard CGL form for the benefit of Owner and the general public throughout the term of this agreement, and if a carrier or policy is changed, CONTRACTOR shall provide Owner with a replacement Certificate of Insurance.

Contractual Liability Insurance:

The CONTRACTOR shall take out and maintain during the life of this contract, liability insurance.

Products and Completed Operations Liability Insurance:

The CONTRACTOR shall also take out Products and Completed Operations Liability Insurance of limits not less than any of the above limits specified in these qualifications.

Workmen's Compensation and Employer's Liability:

The CONTRACTOR shall maintain during the life of this contract, the statutory workmen's compensation and employer's liability insurance for all his employees to be engaged in the maintenance work under the contract.

The amount of Employer's Liability Insurance shall not be less than One Million (\$1,000,000).

INDEMNIFICATION

To the fullest extent permitted by law, the CONTRACTOR shall indemnify and hold harmless the Owner and their agents and employees from and against all claims, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from the performance of the WORK, provided that any such claim damage, loss or expense (1) is attributed to bodily injury, sickness, disease or death or to injury to injury to or destruction of tangible property (other than the WORK itself) including the loss of use resulting therefrom, and (2) is caused in whole or in part by any negligent act or omission of the CONTRACTOR, and subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce and otherwise exist as to any party or person described in this paragraph.

In any and all claims against the Owner or any of their agents or employees by any employee of the CONTRACTOR, any subcontractor, anyone directly or indirectly employed by any of them or anyone whose acts any of them may be liable, the indemnification obligation under this paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the CONTRACTOR or any subcontractor under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

Scott County reserves the right to reject any or all bids or proposals submitted without cause. Further Scott County reserves the right to re-bid or re-solicit for proposals for this project at any time in the future. By submitting a proposal or bid each CONTRACTOR acknowledges these rights and authorizes Scott County to exercise them should the situation warrant.