



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
PRS08014

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT
304-558-2544

RFQ COPY
TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

PROTECTIVE SERVICES
DIVISION OF
BUILDING 1, ROOM 152-A
1900 KANAWHA BOULEVARD, EAST
CHARLESTON, WV
25305 **304-558-9911**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/03/2007				

BID OPENING DATE: **10/17/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM #01		
				THIS ADDENDUM IS ISSUED TO CLARIFY, MODIFY, ADD TO, AND/OR DELETE REQUIREMENTS OF THE ORIGINAL SPECIFICATIONS.		
				ATTACHMENT: ADDENDUM #01 - ADDITIONAL SPECIFICATIONS		
0001	1	LS		285-19		
				CABLE TRAYS AND CONDUIT INSTALLATION		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
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TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
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WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA Business Associate Addendum -** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

SIGNED BID TO:

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

RFQ PRS08014

ADDENDUM ONE

BIDERS must complete the included bid cost sheet

Award will be based on the total installed price of the cable tray listed in the included bid cost sheet along with all other installation hardware and installation requirements in the RFQ.

Actual installed tray type and amount will be determined after award.

1. What is the elevation for the tray? Will state accept straight shot - if vendor goes with route of current inner duct - which is to be removed?
The tray will be installed above the elevation of the fire suppression sprinkler system that will be installed in the Main Unit cafeteria area. The remainder of the tray will be installed a minimum of 3 inches above the top of the finished ceiling.
2. Can the tray be flexible?
The cable tray must meet the bid requirements for size and type. The tray elevation is flexible as long as a bend radius of 30 degrees is not exceeded.

3. **INSTALLATION GUIDELINES**

This RFQ includes equipment, materials, labor, and services to provide telecommunications distribution system cable tray and pathway including, but not limited to raceway, boxes, and cable tray; System installation requires testing, documentation and providing all equipment, materials, labor, and services, not specifically mentioned or shown, which may be necessary to complete or perfect all parts of the installation.

- 3.1 All work performed on this project will be installed in accordance with the current edition of the *National Electrical Safety Code*[®], the current issue of the *ANSI/NECA/BICSI-568 Standard for Installing Commercial Building Telecommunications Cabling*, the current edition of the *BICSI Telecommunications Distribution Methods Manual*, the current edition of the *BICSI Cabling Installation Manual*, the latest issue of the *ANSI/TIA/EIA Standards* as published by Global Engineering Documents as *ANSI/TIA/EIA Telecommunications Building Wiring Standards*, and all local codes and ordinances.

- 3.2 At a minimum, but not limited to, design, manufacture, test, and install telecommunications cable tray and pathway per manufacturer's requirements and in accordance with NFPA-70 (*National Electrical Code®*), state codes, local codes, requirements of authorities having jurisdiction, and particularly the following standards:
- 3.2.1 ANSI/NECA/ Telecommunications Cabling
 - 3.2.2 ANSI/TIA/EIA-568-B.1 – *Commercial Building Telecommunications Cabling Standard, Part 1: General Requirements*
 - 3.2.3 BICSI-568 – Standard for Installing Commercial Building ANSI/TIA/EIA-569-A – *Commercial Building Standard for Telecommunications Pathways and Spaces*
 - 3.2.4 ANSI/TIA/EIA-606(A) – *The Administration Standard for the Telecommunications Infrastructure of Commercial Buildings*
 - 3.2.5 ANSI/TIA/EIA-607(A) – *Commercial Building Grounding and Bonding Requirements for Telecommunications*
- 3.3 Federal, state, and local codes, rules, regulations, and ordinances governing the work, are as fully part of the specifications as if herein repeated or hereto attached. If the contractor should note items in the drawings or the specifications, construction of which would be code violations, promptly call them to the attention of the State of West Virginia's representative in writing. Where the requirements of other sections of the specifications are more stringent than applicable codes, rules, regulations, and ordinances, the specifications shall apply.

4. **SYSTEM DESCRIPTION**

Cable tray must be Thomas and Betts (or equal) solid trough thru out the main hallways and dock areas.

Tray type and sizes must be Solid Trough Cable Tray 12" x 6" and Wire Mesh Cable Tray 4" x 4".

Final drawings with the desired route and dimensions are included in this addendum. The desired route and dimensions have been discussed during the conference and during the site survey / walk thru.

Cable tray in cafeteria portion of the install must be at a constant elevation. This elevation must continue at a minimum five (5) feet outside of the cafeteria area in all directions required.

5. **GROUNDING**

Cable tray grounding must conform to the *National Electrical Code®* 2005 – article 392.7 Grounding

Grounding must conform to ANSI/TIA/EIA 607(A) – *Commercial Building Grounding and Bonding Requirements for Telecommunications, National Electrical Code®, ANSI/NECA/BICSI-568* and manufacturer's grounding requirements at a minimum.

6. **LABELING**

Labeling must conform to ANSI/TIA/EIA-606(A) standards and in addition, provide the following:

6.1 Labels must be machine-printed. Hand-lettered labels shall not be acceptable.

6.2 Labels must be affixed to the cable tray at a minimum of every ten (10) feet.

6.3 Labels must be at least one (1) inch high black lettering on a white background.

7. **AS – BUILT DRAWINGS**

An as-built drawing must be delivered to the State of West Virginia within four (4) weeks of acceptance of project by the State of West Virginia. The as-built drawings must be provided in electronic media form and utilizing software that is acceptable to the State of West Virginia.

8. **FIRESTOPPING MATERIALS**

Firestopping will be accomplished using Wiremold flamestopper units or equal on all sleeved penetrations.

**<http://www.wiremold.com/flamestopper/home.asp>
http://www.wiremold.com/shared_content/pdf/ed1312.pdf**

Firestopping will be accomplished using Hilti CP 657 firestop brick units or equal on all non sleeved penetrations.

http://www.hilti.com/holcom/modules/prcat/prca_navigation.jsp?OID=-9329

**All firestop must have a 4 hour rating.
 The amount of firestop units required will equal or exceed the capacity of the largest cable tray that is served by the penetration.
 No more than a 70% fill rate is allowed on any firestop unit.
 Firestopping is required at all locations where the cable tray pathway penetrates a wall or floor.**

9. **GROUNDING**

Cable tray grounding must conform to the *National Electrical Code® 2005* – article 392.7 Grounding
 Grounding must conform to ANSI/TIA/EIA 607(A) – *Commercial Building Grounding and Bonding Requirements for Telecommunications, National Electrical Code®, ANSI/NECA/BICSI-568* and manufacturer's grounding requirements at a minimum.

10. **SLEEVES**

10.1 Provide sleeves for of new conduit at cable penetrations.

10.1.1 Openings to accept sleeves in new building construction will be formed in building construction by the Contractor for General Construction work. Openings to accept sleeves in existing building construction must be provided under this division of the Specifications. Refer to Article, CUTTING AND PATCHING in this Section.

10.1.2 Use intermediate metallic conduit and or electrical metallic tubing sleeves for penetrations through exterior masonry/concrete walls and foundations, concrete floor slabs on grade and above grade, and concrete-filled decks.

10.1.3 Use only fire-rated listed assemblies for the type of sleeve being installed through CMU walls or gypsum walls for communications penetrations. Sleeve type must be intermediate metallic conduit and or electrical metallic tubing.

10.2 Where conduits are installed before building construction being penetrated, install sleeves loose around conduits.

10.2.1 Split, fit, and weld steel sleeves over existing conduits.

10.3. Secure sleeves firmly in place using filling and patching materials (grout) that match with surrounding construction.

10.4 In floor penetrations, extend sleeve 4" above finished floor unless noted otherwise. In wall penetrations, cut sleeves flush with wall surface and use metal escutcheon plates in finished interior areas.

- 10.5 Seal voids between sleeves and building construction with joint sealants. Make allowances for and coordinate the work with installation of firestopping, conduit insulation, and waterproofing, as applicable.
- 10.6 The Contractor shall be fully responsible for final and correct location of sleeves.
- 10.6.1 Sleeves which are omitted or incorrectly located in existing building construction, must be corrected and provided by the Vendor.

11. **PENETRATIONS OF BUILDING SURFACES**

11.1 Fire-resistant Areas

11.1.1 Provide through-penetration firestop systems for penetrations through fire-rated walls, floors, and other partitions of building construction as specified in Article, FIRESTOPPING in this Section.

11.1.2 In walls or partitions with 2-hour or less fire ratings, provide only metallic outlet or device boxes installed per UL Fire Resistance Director, NEC, and other national building code requirements.

11.2. Firestopping

11.2.1 Manufacturer's technical data for each product including product description, specifications including labeling or listing by an agency acceptable to the Engineer/Designer, and storage requirements.

11.2.2 Firestop design basis documentation that shall include schedule indicating each type of communication penetration, type of building construction being penetrated including the hourly resistance rating of floor, wall, or other partition of building construction into which firestop design will be installed, and firestop device or system proposed for use.

11.2.3 Applicable design drawings by Engineer/Designer-approved testing laboratories.

11.2.4 Installation Procedures and Material Safety Data Sheets must be included with products delivered to the job site.

11.2.5 Include in project's maintenance manuals, maintenance data that may be published by manufacturer.

12. **FIRESTOP REFERENCES**

The vendor must adhere to the following guidelines:

ASTM E814, Standard Method of Fire Tests of Through-Penetration Firestops.

UL 1479, Fire Tests of Through-Penetration Firestops.

UL Fire Resistance Directory: Through Penetration Firestop Devices (XHCR) and Through

Penetration Firestop Systems (XNEZ).

ASTM E 119, Fire Tests of Building Construction and Materials (for fire-rated architectural barriers).

2002 NFPA National Electrical Code, Section 800-52, Paragraph 2(B), *Spread of Fire and Products of Combustion*.

ANSI/NECA/BICSI-568, Standard for Installing Commercial Building Telecommunications Cabling, Section 5, Clause 5.1 through 5.2.3, *Firestopping*

BICSI Telecommunications Distribution Methods Manual, 11th edition, *Firestopping*.

Factory Mutual Approval Guide.

ULC List of Equipment and Materials, VOL. II.

Installed firestopping systems must meet approval of authorities having jurisdiction.

13. **REMOVAL AND REPLACEMENT OF EXISTING CEILINGS**

13.1 In the East and West Wings carefully remove existing ceilings as required to install cable tray. Store removed tiles in an area designated by the State of West Virginia. Modify and augment existing suspension systems as necessary.

13.2 Restoration of the ceiling systems to their original finish in the East and West Wing areas will be a requirement of this RFQ.

14. **CUTTING AND PATCHING**

14.1 Provide openings, cutting, coring, and patching of openings in existing building construction as required. Patching includes openings and voids left in existing construction as a result of demolition.

- 14.2 The Work must include necessary assemblies and materials to maintain required fire ratings.
- 14.3 Perform cutting as to not impair structural stability of building construction and systems. Do not drill holes or weld attachments to beams and other structural members without prior written approval from the State of West Virginia's Representative.
- 14.4 The Work must be done by crafts persons skilled in the particular trades affected.
- 14.5 Patching materials must match existing materials in type and quality. Patching must be done in a manner to match appearance of adjacent surfaces.

15. **CLEANING**

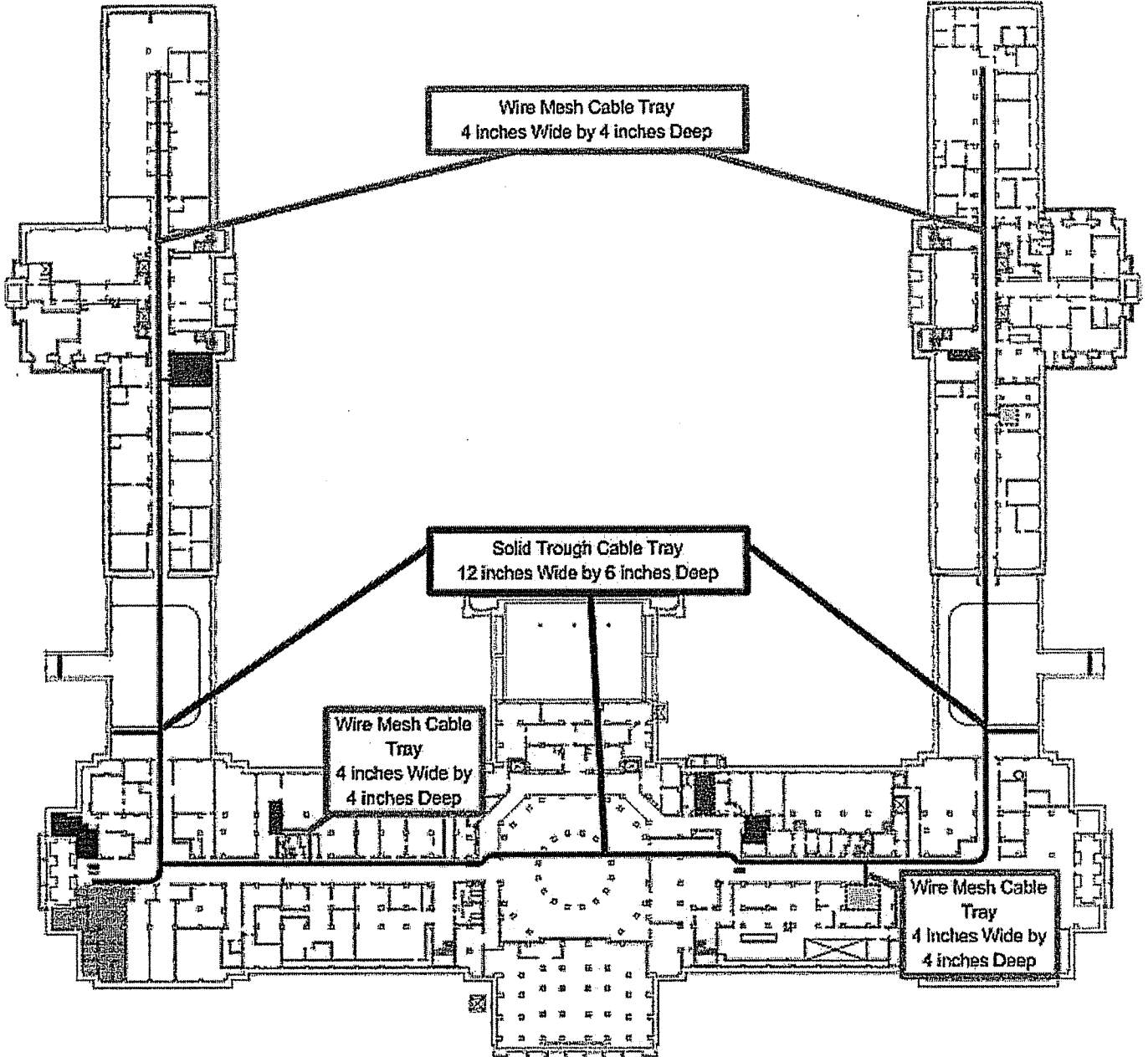
- 15.1 Cleaning must be performed to the satisfaction of the State of West Virginia's Representative.
- 15.2 Unless otherwise indicated, clean shall mean free of dust, dirt, mud, debris, oil, grease, residues, and contamination. Acceptability shall be determined by sight, touch, and wiping with a clean soft cloth and suitable cleaning agent.

16. **PAINTING**

- 16.1 Touch up marred and bared surfaces of primed, galvanized, and finish painted equipment, materials, and accessories installed.
 - 16.2 Restore patched surfaces as close to the original condition and finish as reasonably possible. Where patching occurs in smooth painted surface, extend final paint coat over entire unbroken surface containing patch, after patched area has received two coats of primer and two coats of finished paint.
17. What is the process to build the tray around steam lines and chilled water pipes?
What is priority in project? – cable tray vs. other items in ceiling
The Office of Technology with the cooperation of General Services will attempt to move or reroute impediments or the cable tray as conditions require.
18. Will there be space for staging materials?
Yes.
19. Is the successful vendor responsible for holes?
Only the ones the vendor makes.

20. What are the working hours?
During the installation of tray in the cafeteria area work hours must be coordinated with the cafeteria build general contractor. The current request is that the tray in the cafeteria be installed after the general contractor day time hours. Currently the general contractor and subs are working four ten hour shifts Monday thru Thursday. Otherwise hours can be flexible and varied but must be approved by Protective Services, General Services and Office of Technology.
21. Where does vendor park during project?
There is vendor parking (first come first serve) on the parking lot behind Building 3, the DMV Building additional parking is available at Laidley Field. Equipment may be unloaded in the East Loading Dock area with 24 hours notice of delivery to Protective Services. Vehicles will not be allowed to remain in the dock areas.

Drawing is for cable tray designations only



PR08014 - CABLE TRAY & CONDUIT BID FORM - BID OPENING 10/17/07			
Description	Estimated Footage	*Per Unit Price	Extended Price
TNB AH2-6-12-S-144 (12" Cable Tray)	720'	\$	\$
TNB AHF-6-12-S-HT-12 (12" Tee)	10	\$	\$
TNB AHF-6-12-S-HB90-12 (90 Deg Bend)	5	\$	\$
TNB ABW6-SCS (Joint Strip)	60	\$	\$
TNB ETU4004SE10 Mesh Tray (4"x4"x10")	850'	\$	\$
TNB ETHSP-HD Splice for Mesh Tray	260	\$	\$
MaxCell MXP3456 3 Cell Innerduct (Plenum)	500'	\$	\$
MaxCell MXCIK11 Pulling Swivel	1	\$	\$
Failure to use this form may result in disqualification		Total	\$
Bidder / Vendor Information:			
Name: _____			
Address: _____			

Phone#: _____			
Email Address: _____			
* Per Unit Price includes all labor and equipment necessary for installation.			