Addendum No. 1

RFP 08-10350-3618
Roadway and Campus Fiber Installation Services for Uniontown to Brownsville Phase I

Additional Requirements for Proposers

Please make note of the following additional requirements which have been added to this RFP:

Bonding Requirements. The awarded contractor shall furnish a Performance Bond, with sufficient surety or sureties, in the amount of $50,000.00. The bond must specify that the contracted work will be completed in a manner satisfactory to the Commission. Have the bond state that the Commission is not liable for any expenses incurred through the failure to complete the work as specified, nor liable for any damages growing out of the carelessness of the Contractors, the Contractor's employees, or subcontractors. Have a corporate surety, legally authorized to transact business in the State and satisfactory to the Commission, execute the bond. Have participants in a joint venture submit a single Performance Bond signed by both the joint participants and by their surety. The bond is to cover their joint and individual liability.

Safety Policy Statement and Procedures Manual. The Turnpike Commission is committed to providing a safe working environment that ensures the Contractors are utilizing the most commonly accepted best practices in their daily safety program and working regiment. This may include, but is not limited to, federal (OSHA), state and local regulations that govern the operations of the Contractor. The Contractor will submit a copy of their current Safety Policy Statement and Safety Procedures with this proposal.

Insurance. The Contractor will be required to obtain the following insurance coverage prior to commencement of the agreement.

a. **Worker's Compensation and Employer's Liability Insurance**. Take out, pay for and maintain during the life of the contract, Worker's Compensation Insurance in statutory required limits for the protection of all employees. Provide, pay for and maintain during the life of the contract, Employers Liability Insurance in limits of not less than $500,000 bodily injury each accident, $500,000 bodily injury by disease, and $500,000 bodily injury by disease each employee.

b. **Commercial General Liability Insurance**. Includes: Products/Completed Operations; Blanket Contractual Liability - All Written and Oral Contracts; premises and operations liability; explosion, collapse and underground; personal injury; independent contractors; broad form property damage; severability of interests provisions; personal injury and advertising liability; premises medical payments; host liquor liability; fire damage legal liability - real property; incidental malpractice (including employees); non-owned watercraft; and automatic coverage for newly acquired entities.

(1) The minimum required limits for the Commercial General Liability policy will be as follows:

- $2,000,000 Each Occurrence
- $2,000,000 Advertising and Personal Injury Limit
- $2,000,000 General Aggregate per Location/Per Site
- $2,000,000 Products and Completed Operations Aggregate
- $50,000 Fire Damage Legal Any One Fire
- $5,000 Medical Payments

d. **Commercial Automobile Liability Insurance** covering all owned, hired, leased and non-owned vehicles with a minimum limit of liability of $2,000,000 per occurrence.

e. **Commercial Umbrella/Excess Insurance** with the following minimum limits:

- $3,000,000 Per Occurrence
- $3,000,000 General Aggregate
- $3,000,000 Products/Completed Operations Aggregate

Additional Information for Proposers

Please see attached clarifying information and drawings as a result of various points of discussion which took place at the Mandatory Pre-Proposal Conference held on May 12, 2008.

Also please find attached the Signin Sheet for the vendors/representatives who attended the Conference held on May 12, 2008.

All other terms, conditions and requirement of the original RFP dated April 25, 2008 remain unchanged unless modified by this Addendum.

Revise 360.3(i) to read:

(i) Compaction. Replace with the following:

Seat ATPBC using an 8 ton to 10 ton, steel-wheeled roller, or vibratory roller operated in the static mode only. Compact ATPBC by applying four roller passes. One roller pass is defined as one trip of the roller in one direction over any one spot. Additional passes are allowed only to eliminate any surface irregularities, or creases. Perform rolling only when the mat has cooled sufficiently to avoid shoving or lateral movement of the ATPBC. Do not compact the material to the point that it is not free draining or the aggregate is crushed. Complete rolling before the mat temperature is 100F, unless directed to continue rolling.

H23.00 NOT USED

H24.00 NOT USED

H25.00 HDPE CONDUIT (ITEM 4910-5005) 04/02/05

H25.01 Description – This work is the furnishing and installation of a bank of 4 individual high density polyethylene (HDPE) conduits and pulling lines for future installation of fiber optic cables by others.

H25.02 Material-

(a) 1-1/4" HDPE Conduit – SDR11 with ribbed interior wall and smooth exterior wall. Manufactured in accordance with ASTM F2160 and ASTM D3035 from thermoplastic polymer conforming to the minimum standards defined in ASTM 3350 (See Table 1). Colors: Black, green, blue, and orange. The black conduit is to contain a tracing wire.

Table 1 – Resin Properties

The resin Properties shall meet or exceed the values listed below for HDPE

ASTM Test	Description	Values HDPE
D-1505	Density g/CM^3	.941 - .955
D-1238	Melt Index, g/10 min. Condition E	.05 - .50
D-790	Flexural Modulus, MPa (PSI)	80,000 min.
D-1693	Environmental Stress Crack Resistance Condition B,F_{10}	96 hrs. min.
D-638	Tensile strength at yield ((PSI)	3000 min.
D-746	Brittleness Temperature	-75°C

(b) Plastic marking tape, Section 1101.12(e), red.

(c) Pulling lines, braided rope or woven tape.

H25.03 Construction – In accordance with Section 910.3(g) and as follows:

Place four 1-1/4" conduits (SDR11) at locations indicated on the Drawings. Place conduit such that it is a continuous run with no splicing between junction boxes.

At obstructions, taper conduit runs to provide vertical or horizontal offset at a rate of 20:1 or flatter.

Provide four (4) individual conduits within the trench, each of a different color (black, green, blue and orange). Identify the four (4) conduits within the trench with red marker tape as indicated on the Drawings. The black conduit is to contain a tracer wire.

Once conduit has been placed between junction boxes, provide orange flexible delineator post, fiber optic cable markers as specified in Special Provision H08.03, and as indicated on the Drawings. Flexible markers are to identify the conduit as a buried fiber optic cable.

Rod all ducts with a mandrel 10% smaller in diameter than internal diameter of the conduit. When rodding indicates that the conduit is damaged, replace the entire conduit run at no additional expense to the Commission and retest.

Install pulling lines in each individual conduit. Provide pulling lines with an average tensile strength in excess of that which is required to pull a 96 pair fiber optic cable. The pulling lines will remain in the conduits for future use by others.

Seal all conduits at both ends with duct plugs to make conduits watertight.

H25.04 Measurement and Payment – Linear Feet. Each linear foot includes for (4) 1-1/4 inch conduits. Pull lines, the blowing of pull lines and marker tape are incidental to this item.

H26.00 TRENCH FOR HDPE CONDUIT 04/02/05
(ITEM 4910-6000)

H26.01 Description – This work is providing the equipment and labor to excavate a trench for the installation of HDPE conduits at the locations identified on the Drawings.

H26.03 Construction – In accordance with Section 910.3(c) and as follows:

Spider plow trenching is an acceptable method of construction.

Maintain depth of excavation between 2 to 3 feet, except where lateral obstructions require a deeper excavation.

H26.04 Measurement and Payment – Linear Feet.

H27.00 JUNCTION BOXES J.B.-11, SPECIAL
(ITEM 9910-0004)

H27.01 Description – This work is the furnishing and installation of a Junction Box, JB-11, Special.

H27.02 Material- Section 910.2, Section 714, and Section 1101.10.

H27.03 Construction – In accordance with Section 910.3(p), Standard Drawings, and as indicated on the Contract Drawings.

H27.04 Measurement and Payment – Each.

H28.00 4-INCH SUBBASE, SHOULDER BACKUP 04/02/05
(ITEM NO. 9000-0050)

H28.01 Description – This work is the construction of shoulder backup along a concrete shoulder.

DRAWING SR 0043 (MON/FAYETTE EXPRESSWAY) SECTION 51D SHEET 1 OF 1

CLARIFICATION DOCUMENT FOR MAINLINE INTERCHANGE M-19 TO TOWER SITE

CONDUIT AND JB LAYOUTS

This drawing will provide a better view of the multi-duct conduit layout up to the Redstone Tower site, specifically at the location where it crosses from the mainline median area and goes up the hill to the tower.

The duct crosses from a JB-11 in the median at approx station 407+20 and goes to a JB-11 up on the hillside near the right-of-way fence. Between these two JB-11's is a utility vault that the conduits go through. The vault is accessible through a manhole lid and is located at the bottom of the hill in the swale area just off of the shoulder. We saw this manhole during the site visit, but it was not obvious that it was part of the raceway system. The conduits run over to the mainline toll facility from this vault and not from the JB-11 by the fence.

DRAWING TO CLARIFY MAINLINE INTERCHANGE M-19 TO REDSTONE TOWER - CONDUIT AND JB LAYOUTS

CONTRACT	TOWNSHIP	COUNTY	CADD / DGN NAME	SHEET
01-002-FCGG-C	REDSTONE	FAYETTE	*	1 OF 1
SR 0043 (MON / FAYETTE EXPRESSWAY) SECTION 51D				

REVISION NUMBER	REVISIONS	DATE	BY

* $FILES$

STA 400+80
END 2-3" PVC CONDUIT
CAP AND MARK ENDS
2-3" PVC CONDUIT TO BE
EXTENDED TO THE COMMUNICATION
TOWER SITE BY OTHERS

2-3" PVC CONDUIT &
4-MULTI-CELL PVC
CONDUIT & FITTINGS

JB-11

TERMINATE 4-MULTI-CELL
PVC CONDUIT AND FITTINGS

4-MULTI-CELL PVC
CONDUIT AND FITTINGS

JB-11

1-MULTI-CELL PVC
CONDUIT & FITTINGS

2-5" PVC CONDUIT &
1-MULTI-CELL PVC
CONDUIT & FITTINGS

2-5" PVC CONDUIT

2-3" PVC CONDUIT

JB-11

4-MULTI-CELL PVC
CONDUIT & FITTINGS

2-5" PVC CONDUIT

STA 407+33
END 2-5" PVC CONDUIT,
CONCRETE ENCASED

UTILITY VAULT

2-MULTI-CELL PVC CONDUIT
& FITTINGS, CONCRETE ENCASED

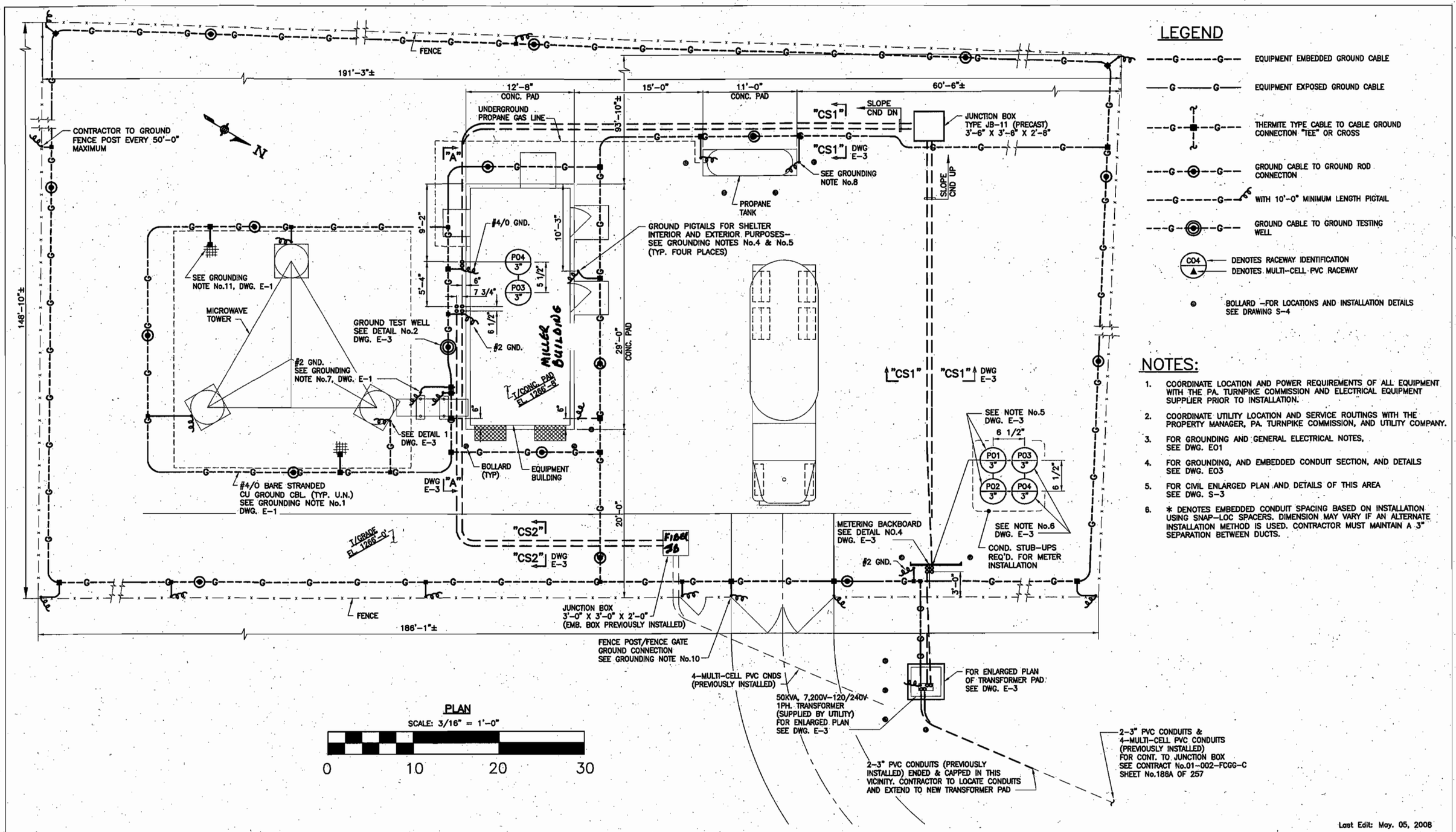
JB-11 SPECIAL

SUBSTITUTE R/W FOR
ALLEGHENY POWER

EXISTING ALLEGH-

20° 35' W

ROBERT IVAN KLINSELMAN



PLAN

SCALE: 3/16" = 1'-0"

0 10 20 30

LEGEND

- EQUIPMENT EMBEDDED GROUND CABLE
- EQUIPMENT EXPOSED GROUND CABLE
- THERMITE TYPE CABLE TO CABLE GROUND CONNECTION "TEE" OR CROSS
- GROUND CABLE TO GROUND ROD CONNECTION
- WITH 10'-0" MINIMUM LENGTH PIGTAIL
- GROUND CABLE TO GROUND TESTING WELL
- C04 — DENOTES RACEWAY IDENTIFICATION
- DENOTES MULTI-CELL PVC RACEWAY
- BOLLARD -FOR LOCATIONS AND INSTALLATION DETAILS SEE DRAWING S-4

NOTES:

1. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH THE PA. TURNPIKE COMMISSION AND ELECTRICAL EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
2. COORDINATE UTILITY LOCATION AND SERVICE ROUTINGS WITH THE PROPERTY MANAGER, PA. TURNPIKE COMMISSION, AND UTILITY COMPANY.
3. FOR GROUNDING AND GENERAL ELECTRICAL NOTES, SEE DWG. E01
4. FOR GROUNDING, AND EMBEDDED CONDUIT SECTION, AND DETAILS SEE DWG. E03
5. FOR CIVIL ENLARGED PLAN AND DETAILS OF THIS AREA SEE DWG. S-3
6. * DENOTES EMBEDDED CONDUIT SPACING BASED ON INSTALLATION USING SNAP-LOC SPACERS. DIMENSION MAY VARY IF AN ALTERNATE INSTALLATION METHOD IS USED. CONTRACTOR MUST MAINTAIN A 3" SEPARATION BETWEEN DUCTS.

Last Edit: May. 05, 2008

SEAN R. MARSHALL DATE
No. PE-040648-E

PREPARED BY:
ORBITAL ENGINEERING, INC
1344 5TH AVE.
PITTSBURGH, PA 15219

PREPARED FOR:
THE PENNSYLVANIA TURNPIKE COMMISSION

PENNA TURNPIKE

NO.	REVISIONS	DATE	APPR.
C	FOR REVIEW	05/02/08	
B	FOR FINAL REVIEW	03/13/08	
A	FOR APPROVAL	11/21/07	

CONTRACT NUMBER
PROJECT NUMBER:
FILE NAME:
DRAWING TYPE: ELECTRICAL
STRUCTURE NUMBER:
SCALE: 3/16"=1'-0"

MON/FAYETTE EXPRESSWAY
MILEPOST M19.49 NB ACCOUNT No. 07-017-RCSB
REDSTONE MICROWAVE TOWER
GROUNDING AND EMBEDDED CONDUIT PLAN

DISTRICT: 1 COUNTY: FAYETTE
TOWNSHIP / BOROUGH: REDSTONE TOWNSHIP

DRAWING: E-2 OF
SHEET: 7 OF 8

SIGN-IN SHEET

PREPROPOSAL CONFERENCE RFP #08-10350-3618

DATE: May 12, 2008

TIME: 11:30 AM

	COMPANY NAME	REP NAME	ADDRESS	PHONE	EMAIL
1	IB Abel, Inc	Kevin Schnetzka	620 Edgar St York PA 17403	(717) 845-1639	Kschnetzka@ib-abel.com
2	Tel-Power Inc	Bill Bottenfield	RR4 Box 625 Hollidaysburg	814 695-3874	
3	TEL-POWER INC	TED LYKENS	RR 4 Box 625 Hollidaysburg, PA	814 695 3874	TPTed@ATlanticbbn.net
4	Henkels & McCoy Inc	ARCHIE MURRAY	PoBox 1742 YORK PA 17405	717 266 5641	amurray@henkels.com
5	BAKER ENGINEERS	PAUL CARVER	5351 RT 8 GIBSONIA PA 15044	724-443-7999	PCARVER@BAKERCORP.COM
6	TCMS - MAGUIRE	Dale Rosinski		724-437-7281	drosinski@trumbullcorp.com
7	PTC	Mike Houser		724-755-5176	mhouser@paturnpike.com
8	TCMS - MAGUIRE	CHAD BASINGER	LEMONT FURNACE	724-477-7291	CBASINGER @MAGUIRE GRUP.com
9	TCMS - Maguire	TONY CIARICO	1190 Connellsville Rd, Lemont Furnace	724-437-7281	tciarico@trumbullcorp.com
10	TRANSCORE	ALAN RCDD GIWELL	7611 DERRY ST. HBG, PA 17111	717-561-5828	ALAN.GIWELL@TRANSCORE.com
11	Corl Communications	Barbara Nurk	3697 Derry St Hbg PA 17111	717-350-2421	barbara.nurk@corlcommunications.com
12	BRUCE & MERRILEES ELECTRIC COMPANY	JOHN STEWART	930 CASS STREET / NEW CASTLE, PA 16101	724-652-5566	JSTEWART@BRUCEANDMERRILEES.COM
13					
14					
15					

REQUEST FOR PROPOSALS FOR

Roadway and Campus Fiber Installation Services for Uniontown to Brownsville Phase I

ISSUING OFFICE

Pennsylvania Turnpike Commission

Information Technology Department

RFP NUMBER

08-10350-3618

DATE OF ISSUANCE

April 25, 2008

REQUEST FOR PROPOSALS FOR

Roadway and Campus Fiber Installation Services for Uniontown to Brownsville Phase I

RFP 08-10350-3618

TABLE OF CONTENTS

PART I

GENERAL INFORMATION FOR PROPOSERS

I-1. Purpose. This request for proposals (RFP) provides interested Proposers with sufficient information to enable them to prepare and submit proposals for consideration by the Pennsylvania Turnpike Commission (Commission) to satisfy a need for Roadway and Campus Fiber Installation Services For Uniontown to Brownsville Phase I.

I-2. Issuing Office. This RFP is issued for the Commission by the Information Technology Department, Communications, 700 South Eisenhower Boulevard, Middletown, PA 17057; Project Manager: Stephanie Bentley, Phone: (717) 939-9551, Extension 5410, Fax: (717) 986-8758; Email: sbentley@paturnpike.com . The Issuing Office is the sole point of contact in the Commission for this RFP.

I-3. Scope. This RFP contains instructions governing the proposals to be submitted and the material to be included therein; a description of the service to be provided; requirements which must be met to be eligible for consideration; general evaluation criteria; and other requirements to be met by each proposal.

I-4. Problem Statement. Install roadway and campus fiber for network communications along the newly constructed Uniontown to Brownsville highway, Phase I segment. Refer to Part IV Work Statement section starting on page 10 for details.

I-5. Type of Contract. It is proposed that if a contract is entered into as a result of this RFP, it will be a fixed price contract. The Commission may in its sole discretion undertake negotiations with Proposers whose proposals as to price and other factors show them to be qualified, responsible, and capable of performing the work.

I-6. Rejection of Proposals. The Commission reserves the right to reject any and all proposals received as a result of this request, or to negotiate separately with competing Proposers.

I-7. Subcontracting. Any use of subcontractors by a Proposer must be identified in the proposal. During the contract period use of any subcontractors by the selected Proposer, that were not previously identified in the proposal, must be approved in advance in writing by the Commission.

A firm that responds to this solicitation as a prime may not be included as a designated subcontractor to another firm that responds to the same solicitation. **Multiple responses under any of the foregoing situations may cause the rejection of all responses of the firm or firms involved.** This does not preclude a firm from being set forth as a designated subcontractor to more than one prime contractor responding to the project advertisement.

I-8. Incurring Costs. The Commission is not liable for any costs the Proposer incurs in preparation and submission of its proposal, in participating in the RFP process or in anticipation of award of contract.

I-9. Mandatory Pre-proposal Conference and Site Visit. A **mandatory** pre-proposal conference and site visit will be held on **May 12, 2008, at 11:30 AM**, at the Pennsylvania Turnpike Commission Uniontown to Brownsville Project Management Office, 1198 Connellsville Road, Lamont Furnace, PA

15456. The purpose of this conference is to clarify any points in the RFP, which may not have been clearly understood. Questions should be forwarded to the Issuing Office prior to the meeting to ensure sufficient analysis can be made before an answer is supplied. Written questions should be submitted to the Issuing Office at the address indicated above to be received no later than **May 7, 2008, 12:00 noon**. In view of the limited facilities available for the conference, it is requested representation be limited to **2** individuals per Proposer. The pre-proposal conference is for information only. Answers furnished during the conference will not be official until verified, in writing, by the Issuing Office. All questions and written answers will be issued as an addendum to and become part of this RFP.

FAILURE TO BE REPRESENTED AND SIGNED IN AT THIS MANDATORY PRE-PROPOSAL CONFERENCE WILL BE CAUSE FOR REJECTION OF PROPOSAL.

I-10. Addenda to the RFP. If it becomes necessary to revise any part of this RFP before the proposal response date, addenda will be posted to the Commission's website under the original RFP document. It is the responsibility of the Proposer to periodically check the website for any new information or addenda to the RFP.
The Commission may revise a published advertisement. If the Commission revises a published advertisement less than ten days before the RFP due date, the due date will be extended to maintain the minimum ten-day advertisement duration if the revision alters the project scope or selection criteria. Firms are responsible to monitor advertisements/addenda to ensure the submitted proposal complies with any changes in the published advertisement.

I-11. Response. To be considered, proposals must be delivered to the Pennsylvania Turnpike Commission's **Contracts Administration Department, Attention: Donald S. Klingensmith, P.E., Manager of Contracts Administration, on or before May 29, 2008, 12:00 noon. The Pennsylvania Turnpike Commission is located at 700 South Eisenhower Boulevard, Middletown, PA 17057 (Street Address). Our mailing Address is P. O. Box 67676, Harrisburg, PA 17106.**
Please note that use of U.S. Mail delivery does not guarantee delivery to this address by the above-listed time for submission. Proposers mailing proposals should allow sufficient delivery time to ensure timely receipt of their proposals. If the Commission office location to which proposals are to be delivered is closed on the proposal response date, due to inclement weather, natural disaster, or any other cause, the deadline for submission shall be automatically extended until the next Commission business day on which the office is open. Unless the Proposers are otherwise notified by the Commission, the time for submission of proposals shall remain the same.

I-12. Proposals. To be considered, Proposers should submit a complete response to this RFP, using the format provided in PART II. Each proposal should be submitted in 7 paper copies to the Contract Administration Department. Those paper copies will be time stamped and used to determine the date and time of submission to satisfy response criteria in Section I-11. No other distribution of proposals will be made by the Proposer. Each proposal page should be numbered for ease of reference. Proposals must be signed by an official authorized to bind the Proposer to its provisions and include the Proposer's Federal Identification Number. For this RFP, the proposal must remain valid for at least 90 days. Moreover, the contents of the proposal of the selected Proposer will become contractual obligations if a contract is entered into.

Each and every Proposer submitting a proposal specifically waives any right to withdraw or modify it, except as hereinafter provided. Proposals may be withdrawn by written or telefax notice received at the Commission's address for proposal delivery prior to the exact hour and date specified for proposal receipt. However, if the Proposer chooses to attempt to provide such written notice by telefax

transmission, the Commission shall not be responsible or liable for errors in telefax transmission. A proposal may also be withdrawn in person by a Proposer or its authorized representative, provided its identity is made known and it signs a receipt for the proposal, but only if the withdrawal is made prior to the exact hour and date set for proposal receipt. A proposal may only be modified by the submission of a new sealed proposal or submission of a sealed modification which complies with the requirements of this RFP.

I-13. Economy of Preparation. Proposals should be prepared simply and economically, providing a straightforward, concise description of the Proposer's ability to meet the requirements of the RFP.

I-14. Discussions for Clarification. Proposers who submit proposals may be required to make an oral or written clarification of their proposals to the Issuing Office to ensure thorough mutual understanding and Proposer responsiveness to the solicitation requirements. The Issuing Office will initiate requests for clarification.

I-15. Best and Final Offers. The Issuing Office reserves the right to conduct discussions with Proposers for the purpose of obtaining "best and final offers." To obtain best and final offers from Proposers, the Issuing Office may do one or more of the following: a) enter into pre-selection negotiations; b) schedule oral presentations; and c) request revised proposals. The Issuing Office will limit any discussions to responsible Proposers whose proposals the Issuing Office has determined to be reasonably susceptible of being selected for award.

I-16. Prime Proposer Responsibilities. The selected Proposer will be required to assume responsibility for all services offered in its proposal whether or not it produces them. Further, the Commission will consider the selected Proposer to be the sole point of contact with regard to contractual matters.

I-17. Proposal Contents. Proposals will be held in confidence and will not be revealed or discussed with competitors, unless disclosure is required to be made (i) under the provisions of any Commonwealth or United States statute or regulation; or (ii) by rule or order of any court of competent jurisdiction. If a contract is executed, however, the successful proposal submitted in response to this RFP shall be subject to disclosure. All material submitted with the proposal becomes the property of the Pennsylvania Turnpike Commission and may be returned only at the Commission's option. Proposals submitted to the Commission may be reviewed and evaluated by any person other than competing Proposers at the discretion of the Commission. The Commission has the right to use any or all ideas presented in any proposal. Selection or rejection of the proposal does not affect this right.

I-18. Debriefing Conferences. Proposers whose proposals are not selected will be notified of the name of the selected Proposer and given the opportunity to be debriefed, at the Proposer's request. The Issuing Office will schedule the time and location of the debriefing. The Proposer will not be compared with other Proposers, other than the position of its proposal in relation to all other proposals.

I-19. News Releases. News releases pertaining to this project will not be made without prior Commission approval, and then only in coordination with the Issuing Office.

I-20. Commission Participation. Unless specifically noted in this section, Proposers must provide all services to complete the identified work. The contractor will be responsible to provide all the labor, tools, parts, installation supplies, installation equipment, including trucks and vans, test equipment and instrumentation, office supplies and generally any materials that are required to perform the services

requested through the term of this contract. The Commission will not provide any physical storage space, office space or any office services to the contractor. The Commission will not supply any parts, equipment, tools or materials for this contract.

I-21. Cost Submittal. The cost submittal shall be placed in a separately sealed envelope within the sealed proposal and kept separate from the technical submittal. **Failure to meet this requirement may result in disqualification of the proposal.**

I-22. Term of Contract. The term of the contract will commence on the Effective Date, (as defined below) and will end 90 days from the date the contractor is given access to the site to begin installation of the infrastructure cabling. The Commission shall fix the Effective Date after the contract has been fully executed by the Contractor and by the Commission and all approvals required by Commission contracting procedures have been obtained.

I-23. Proposer's Representations and Authorizations. Each Proposer by submitting its proposal understands, represents, and acknowledges that:

a. All information provided by, and representations made by, the Proposer in the proposal are material and important and will be relied upon by the Issuing Office in awarding the contract(s). Any misstatement, omission or misrepresentation shall be treated as fraudulent concealment from the Issuing Office of the true facts relating to the submission of this proposal. A misrepresentation shall be punishable under 18 Pa. C.S. 4904.

b. The price(s) and amount of this proposal have been arrived at independently and without consultation, communication or agreement with any other Proposer or potential Proposer.

c. Neither the price(s) nor the amount of the proposal, and neither the approximate price(s) nor the approximate amount of this proposal, have been disclosed to any other firm or person who is a Proposer or potential Proposer, and they will not be disclosed on or before the proposal submission deadline specified in the cover letter to this RFP.

d. No attempt has been made or will be made to induce any firm or person to refrain from submitting a proposal on this contract, or to submit a proposal higher than this proposal, or to submit any intentionally high or noncompetitive proposal or other form of complementary proposal.

e. The proposal is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive proposal.

f. To the best knowledge of the person signing the proposal for the Proposer, the Proposer, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last four (4) years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding or proposing on any public contract, except as disclosed by the Proposer in its proposal.

g. To the best of the knowledge of the person signing the proposal for the Proposer and except as otherwise disclosed by the Proposer in its proposal, the Proposer has no outstanding, delinquent obligations to the Commonwealth including, but not limited to, any state tax liability not being contested on appeal or other obligation of the Proposer that is owed to the Commonwealth.

h. The Proposer is not currently under suspension or debarment by the Commonwealth, or any other state, or the federal government, and if the Proposer cannot certify, then it shall submit along with the proposal a written explanation of why such certification cannot be made.

i. The Proposer has not, under separate contract with the Issuing Office, made any recommendations to the Issuing Office concerning the need for the services described in the proposal or the specifications for the services described in the proposal.

j. Each Proposer, by submitting its proposal, authorizes all Commonwealth agencies to release to the Commission information related to liabilities to the Commonwealth including, but not limited to, taxes, unemployment compensation, and workers' compensation liabilities.

PART II

INFORMATION REQUIRED FROM PROPOSERS

Proposals must be submitted in the format, including heading descriptions, outlined below. To be considered, the proposal must respond to all requirements in this part of the RFP. Any other information thought to be relevant, but not applicable to the enumerated categories, should be provided as an appendix to the proposal. Each proposal shall consist of two (2) separately sealed submittals. The submittals are as follows: (i) Technical Submittal, in response to Sections II-1 through II-7 hereof; (ii) Cost Submittal, in response to Section II-8 hereof.

The Commission reserves the right to request additional information which, in the Commission's opinion, is necessary to assure that the Proposer's competence, number of qualified employees, business organization, and financial resources are adequate to perform according to the RFP.

The Commission may make such investigations as deemed necessary to determine the ability of the Proposer to perform the work, and the Proposer shall furnish to the Issuing Office all such information and data for this purpose as requested by the Commission. The Commission reserves the right to reject any proposal if the evidence submitted by, or investigation of, such Proposer fails to satisfy the Commission that such Proposer is properly qualified to carry out the obligations of the agreement and to complete the work specified.

II-1. Statement of the Problem. State in succinct terms your understanding of the problem presented and the services required by this RFP.

II-2. Management Summary. Include a narrative description of the proposed effort, a list of the items to be delivered and the services to be provided. Include a drawing depicting your understanding of the physical connector riser design with splice points to satisfy the RFP and Commission objectives. In addition, See section IV Work Statement g. Accuracy, for the required statement of fiber requirements to be included with your proposal.

II-3. Work Plan. Describe in narrative form your technical plan for accomplishing the work. Use the task descriptions in Part IV of this RFP as your reference point. Modifications of the task descriptions are permitted; however, reasons for changes should be fully explained. Indicate the number of personhours allocated to each task.

II-4. Prior Experience. Include experience in the manual installation of both campus and roadway fiber, fusion splicing, fiber testing/certification, electrical circuit installation and receptacle installations. Experience shown should be work done by individuals who will be assigned to this project as well as that of your company. Studies or projects referred to should be identified and relevant to the work that is being requested in this RFP and should include the name of the customer for which services were provided, including the name, address, and telephone number of the responsible official of the customer, company, or agency who may be contacted.

II-5. Personnel. Include the number, and names where practicable, of executive and professional personnel, technicians, consultants, etc., who will be engaged in the work. Show where these personnel will be physically located during the time they are engaged in the work. Include through a resume or similar document education and experience in the installation of both campus and roadway fiber, fusion splicing, fiber testing/certification, electrical circuit and receptacle installation. Experience shown

should be work done by individuals who will be assigned to this project for the installation/testing/certification tasks as well as that of the Project Manager. Indicate the responsibilities each will have in this project and how long each has been with your company. The Project Manager must be identified and particular detail should be given to the qualifications of your proposed Project Manager that demonstrate their ability to manage concurrent installations, coordinate staff, materials and equipment, ability to work through construction issues and keep progress flowing for a project of this scope. Identify subcontractors you intend to use and the services they will perform.

II-6. Training. Provide a matrix of certifications, training and qualifications of staff that you propose to work on the tasks for this RFP. Include the personnel that will be assigned to the tasks in this RFP providing the specific training programs they have completed, certificates they hold and approximate hours they have spent on those tasks in job related work that qualifies them to be assigned to the work specified in this RFP.

II-7. M/W/DBE Participation. The Turnpike Commission is committed to the inclusion of disadvantaged, minority, and woman firms in contracting opportunities. Responding firms shall clearly identify DBE/MBE/WBE firms, expected to participate in this contract, in their Proposal. **If further information is desired concerning DBE/MBE/WBE participation**, direct inquiries to the Pennsylvania Turnpike Commission's Contract Administration Department by calling (717) 939-9551 Ext. 4241.

II-8. Cost Submittal. The information requested in this section shall constitute your cost submittal. **The Cost Submittal shall be placed in a separate sealed envelope within the sealed proposal, separate from the technical submittal.**

Proposers should **not** include any assumptions in their cost submittals. If the proposer includes assumptions in its cost submittal, the Issuing Office may reject the proposal.

The total cost you are proposing must be broken down into the following components:

a. **Direct Labor Costs.** Itemize to show the following for each category of personnel with a different rate per hour:

(1) Category: e.g., project manager, senior technician, junior technician, electrician, etc.

(2) Estimated hours.

(3) Rate per hour.

(4) Total cost for each category and for all direct labor costs.

b. **Labor Overhead.** Specify what is included and rate used. If there is no labor overhead rate in your proposal, so state.

c. **Travel and Subsistence.** Itemize transportation, lodging and meals per diem costs separately. Travel and subsistence costs must conform to the requirements of the most current version of the Commission's Travel Guidelines.

d. **Consultant Costs.** Itemize as in (a) above. If there are no consultant costs in your proposal, so state.

e. **Subcontract Costs.** Itemize as in (a) above. If there are no subcontract costs in your proposal, so state.

f. **Cost of Supplies and Materials.** Itemize. If there are no supplies and materials in your proposal, so state.

g. **Other Direct Costs.** Itemize. If there are no other direct costs in your proposal, so state.

h. **General Overhead Costs.** Specify what is included and rate used. If there are no general overhead costs in your proposal, so state.

i. **Fee or Profit.**

j. **Total Cost.**

Any costs not provided in the cost proposal will be assumed as no charge to the Commission.

The selected Proposer shall only perform work on this contract after the Effective Date is affixed and the fully-executed contract sent to the selected Proposer. The Commission shall issue a written Notice to Proceed to the selected Proposer authorizing the work to begin on a date which is on or after the Effective Date. The selected Proposer shall not start the performance of any work prior to the date set forth in the Notice to Proceed and the Commission shall not be liable to pay the selected Proposer for any service or work performed or expenses incurred before the date set forth in the Notice to Proceed. No Commission employee has the authority to verbally direct the commencement of any work under this Contract.

PART III

CRITERIA FOR SELECTION

III-1. Mandatory Responsiveness Requirements. To be eligible for selection, a proposal should be (a) timely received from a Proposer; (b) properly signed by the Proposer; and (c) formatted such that all cost data is kept separate from and not included in the Technical Submittal.

III-2. Proposals will be reviewed and evaluated by a committee of qualified personnel selected by the Commission. This committee will recommend for selection the proposal that most closely meets the requirements of the RFP and satisfies Commission needs. Award will only be made to a Proposer determined to be responsive and responsible in accordance with Commonwealth Procurement Code.

III-3. The following criteria will be used, in order of relative importance from the highest to the lowest, in evaluating each proposal:

a. Understanding the Problem. This refers to the Proposer's understanding of the Commission needs that generated the RFP, of the Commission's objectives in asking for the services or undertaking the study, and of the nature and scope of the work involved.

b. Proposer Qualifications. This refers to the ability of the Proposer to meet the terms of the RFP, especially the time constraint and the quality, relevancy, and recency of studies and projects completed by the Proposer. This also includes the Proposer's financial ability to undertake a project of this size.

c. Personnel Qualifications. This refers to the competence of professional personnel who would be assigned to the job by the Proposer. Qualifications of professional personnel will be measured by experience and education, with particular reference to experience on studies/services similar to that described in the RFP. Particular emphasis is placed on the qualifications of the project manager.

d. Soundness of Approach. Emphasis here is on the techniques for collecting and analyzing data, sequence and relationships of major steps, and methods for managing the service/project. Of equal importance is whether the technical approach is completely responsive to all written specifications and requirements contained in the RFP and if it appears to meet Commission objectives.

e. Flexibility. This refers to the Proposer's capability to meet scheduling constraints and work effectively in a challenging environment under less than ideal conditions. Of equal importance is the ability of the Proposer to have a flexible schedule and willingness to redirect staff allocation due to unanticipated complications so as not to burden the Commission with additional costs to complete the project.

f. Cost. While this area may be weighted heavily, it will not normally be the deciding factor in the selection process. The Commission reserves the right to select a proposal based upon all the factors listed above, and will not necessarily choose the firm offering the best price. The Commission will select the firm with the proposal that best meets its needs, at the sole discretion of the Commission.

PART IV

WORK STATEMENT

IV-1. Objectives.

a. General. It is the Commission's objective to provide network communications, utilizing backbone and campus fiber along the Phase I segment of newly constructed highway for the Uniontown to Brownsville project, to transport Commission data back to the Central Administration Building in Middletown.

b. Specific. The Proposer will install a Corning 96 strand single mode backbone roadway fiber and slack as noted in IV-4 Tasks., along the highway segment through the already installed green HDPE conduit and JB-11's from the Junction Box located closest to MM 14.9 to the Junction Box located closest to MM 21.9 and along that pathway pull the fiber to and from the buildings using the transition conduits that penetrate the structures as noted. The backbone fiber will be pulled into the Communication Building at Ramp M-18 SEA-S, the Mainline Interchange Data Recording Room at M-19 and the Redstone Tower site, from both the north and south directions. The blue tube, (twelve strands), of the backbone fiber will be fusion spliced into splice trays at all building locations for both the north and south installations. The orange tube, (12 strands), of the backbone fiber will be fusion spliced into splice trays at the Redstone Tower and Ramp M-18 SEA-S sites and straight fusion spliced through to Ramp M-18 SEA-S from/at the M-19 Data Recording Room. The Proposer will install/terminate a Corning 12 strand single mode fiber cable between the Communication Buildings at M-18 from Ramp M-18 SEA-S to Ramp M-18 N-SEA. Both ends of the 12 strand fiber cable will be fusion spliced into splice trays at each respective site. The Proposer will install a fiber enclosure on the roadway fiber at the end points in the Junction Boxes located closest to MM 14.9 and MM 21.9 respectively. The fiber enclosure must be installed and sealed to manufacturer standard so it is completely water-proof and will provide complete protection of the roadway fiber for the next phase. The end points at MM 14.9 and MM 21.9 will not be fusion spliced at this time but must be secured in the fiber enclosure to manufacturer's specification and in a manner that it will not be damaged in any way. The Proposer may be responsible for electrical work including but not limited to running dedicated circuits, installing receptacles and rack electrification.

IV-2. Nature and Scope of the Project. The segment of newly constructed highway is part of the Mon Fayette Expressway located in the western part of Pennsylvania. The segment of highway where the fiber will be installed is between Old Pittsburgh Road and Redstone Way. The Commission will be bringing up a network presence at the Redstone Tower site, the Mainline Interchange Data Recording Room at M-19, the Ramp Communication Building at M-18 SEA-S and the ramp Communication Building at M-18 N-SEA. In addition it is the Commission's intention to establish a network ring between all the aforementioned network points of presence.

IV-3. Requirements.

a. Codes, Ordinances and Regulations. All cabling and materials included in this specification shall be installed and maintained in accordance with prevailing codes, ordinances and regulations and meet or exceed guidelines sponsored or endorsed by the National Fire Protection Agency (NFPA) and the National Electrical Code (NEC). The cable shall meet all requirements stated

in this specification. The cabling shall consist of cable and connecting hardware manufactured by Corning Cable Systems. Specifically, the structured cabling system shall be in strict accordance with and reflect the **latest** standards in effect at the time the PO is issued for all cabling types, but not limited to, the following:

National Electrical Code® (NEC)® Section 770.

Non-Plenum Applications - Applicable Flame Tests: UL 1666. Cables shall be listed OFNR (OFCR)

Plenum Applications - Applicable Flame Test: NFPA 262. Cables shall be listed OFNP (OFCP)

Finished cables shall conform to the applicable performance of the Insulated Cable Engineers Association, Inc. (ICEA) Standard for Fiber Optic Premises Distribution Cable (ICEA S-83-596-2001)

The cable shall meet the requirements of ANSI/ICEA Standard for Fiber Optic Outside Plant Communications Cable, ANSI/ICEA S-87-640-2006

The cable should be in accordance with EIA/TIA-598 Optical Fiber Cable Color Coding

The cable shall meet the requirements of ANSI/ICEA Standard for Fiber Optic Indoor/Outdoor Communications Cable, ANSI/ICEA S-104-696-2001

The cable shall meet the requirements of ANSI/ICEA Standard for Fiber Optic Inside Communications Cable, ANSI/ICEA S-83-596-2001

The optical fiber shall be a matched-clad design manufactured by the outside vapor deposition process

Electronic Industries Association (EIA) Publications 455 series of Standard Test Procedures for Fiber Optic Fibers, Cables, Transducers, Connecting and Terminating Devices

ANSI/TIA/EIA-568-B and BICSI guidelines

EIA/TIA-455-61-A (FOTP-61) Measurement of Fiber or Cable Attenuation

EIA/TIA -455-171-A Attenuation by Substitution Measurement – for Short Length Multi-mode Graded Index and Single Mode Optical Fibers Cable Assemblies

EIA/TIA-526-14 Optical Power Loss Measurement of Installed Multi-mode Fiber Cable Plant

EIA/TIA-455-60-A Measurements of Fiber Optic Cable Length Using an OTDR

Nationally Recognized Testing Laboratory (NRTL)

b. General Provisions. The Proposer must provide all the labor, parts, installation equipment, test equipment/instrumentation and materials necessary to meet the objectives of this Proposal. The installation of all cabling systems must be done in a workman like fashion, resulting in a quality installation for the Commission. Any work judged not acceptable by the Commission must be redone at no charge to the Commission. The Proposer must ensure that all cable is installed with proper "strain relief" by installing/utilizing Corning Universal Clamps. Any fiber splicing must be "fusion splicing" and the Proposer must provide a list of proposed fiber splices for the project along with the reason for the intended splice. All support structures must meet Commission standards. No cable is to be left exposed. All cable is to be in conduit, on ladder rack/cable tray, or correctly suspended in J hooks, following standards for each cable type. All drops should be tied with fabric cable ties, i.e. Velcro. No plastic tie wraps should be used. All fiber inserts must follow the standard color code for Corning Fiber installation. All cables must be labeled on both ends. Cable To/From direction must be clearly indicated on the panels. All cabling labels must follow the Commission's standards. Any penetrations made or entered by said contractor must be fire stopped according to EIA/TIA standards and local building codes. All electrical cable installation will be dedicated circuits. All electrical cable, receptacles and rack power strip hardware and the installation of those electrical systems must comply with or exceed the standards set forth in the National Electrical Code (NEC), the National Fire Protection Agency (NFPA) and any local ordinances/building codes.

c. Proposer's Certifications, Credentials and Requirements. The Proposer, must have the following resources, certifications/credentials and experience **before** submitting a proposal. Proof verifying the certifications/credentials, experience and resources must be provided at the time the proposal is submitted. The Proposer must be a Corning Cable Systems LANscape® Solutions Extended Warranty℠ Program (EWP) Member and must provide written warranty certification and evidence of current EWP program membership. The Proposer must offer a twenty-five (25) year extended warranty for the premises/campus fiber cabling solution comprised of covered Corning Cable Systems' products. The Proposer must follow all warranty registration procedures set forth by Corning Cable Systems, including submitting all required materials to Corning Cable Systems for warranty certification. The successful Proposer must have an RCDD on staff that will be available to the Commission throughout the contract term. The successful Proposer must have an AutoCAD operator on staff that will be available during the course of the project. The successful Proposer must have a qualified Project Manager on staff assigned and available to be on site as required for the term of the project. The Proposer must be able to provide any electrical requirement solutions utilizing appropriately certified personnel for each task, throughout the project duration, (ie: additional conduit installation, electrical cable installation, receptacles and grounding, etc.).

d. Cable and Components Systems. The successful Proposer shall warrant that all materials and equipment furnished under the contract are in good working order, free from defects, and in conformance with system specifications. All installed equipment must conform to the manufacturer's official published specifications. The successful Proposer shall agree to repair, adjust, and/or replace, (as determined by the Purchaser to be in its best interest), any defective equipment, materials, or other parts of the system at the successful Proposer's sole cost. The Purchaser will incur no costs for service or replacement of parts. All third party warranties shall be passed through from Proposer to Purchaser. The successful Proposer shall warrant and supply evidence that the installation of materials and hardware will be made in strict compliance with all applicable provisions of the National Electric Code®, the rules and regulations of the Federal Communications Commission, and state and/or local codes or ordinances that may apply. The successful Proposer shall warrant that the system will function as specified in the approved manufacturer's Technical Description Guide. The successful Proposer shall

warrant that the system shall accommodate traffic at the levels specified in all appropriate sections of this proposal.

e. Testing and Certification of Cabling. All fiber cables must be tested and certified to meet all warranty conditions. All testing and certification of cabling will be the responsibility of the contractor. Tests must be conducted with FLUKE/MICROTEST devices. Test documentation must be provided in the form of electronic media, (CD), from the cable tester selected by the contractor and approved by the Commission.

1. **Final System Test**

All backbone and horizontal cabling, which is terminated by the contractor, shall be tested to applicable EIA/TIA Standards.

a. The insertion loss for each mated fiber optic connector pair shall be 0.75 dB. Reflectance for single-mode single fiber UPC cable assemblies shall be -55 dB. Mated connector pair loss testing shall be based on one unidirectional OTDR inspection in accordance with the OTDR operating manual for systems greater than 300 meters.
b. In addition to connector insertion loss for each mated pair, the contractor shall perform end-to-end insertion loss testing for each single-mode fibers at 1310 nm and 1550 nm from one direction for each terminated fiber span in accordance with TIA/EIA-526-7 (OFSTP 7). For spans greater than 90 meters, each tested span must test to a value less than or equal to the value determined by calculating a link loss budget. For horizontal spans less than or equal to 90 meters, each tested span must be $\leq$ 2.0 dB.
c. Inspect each terminated single-mode fiber span for continuity and anomalies with an OTDR at 1550 nm from one direction in accordance with OTDR operating manual for systems greater than 100 meters.
d. The attenuation loss of any fusion splice must be less than **.**1 dB

f. Access. The successful contractor may be given access to the construction site in early August, 2008. The specific dates will be determined after the contract is awarded and issued. The contractor must be able to proceed immediately with installation tasks based on that permission to proceed date. Due to current construction scheduling issues, the tasks associated with this RFP will be completed in two steps. In Step I, the contractor must install/terminate and test the fiber in the areas and structures where the Commission intends to provide network access first. Those installation tasks must be completed so the Commission can meet an October 1, 2008 opening deadline. In Step II, the contractor will install/terminate/test and certify the fiber from the Redstone Tower to the end point at MM 21.9 and the fiber from the M-18 Ramp SEA-S Communication Building to the end point at MM 14.9. The contractor must complete all the installation/testing/certification tasks associated with this RFP by September 25, 2008. It is the Commission's intention to have all of the backbone fiber installed/terminated/tested and certified, prior to the opening of the highway while there is a construction presence available. The contractor will coordinate their activities with the construction project manager on site to ensure there are no conflicts between fiber installation tasks and construction project objectives. The successful contractor must be willing/able to comply with any time constraints/schedules that the General Contractor for the site may impose. The contractor must be flexible in their ability to start initiation of work based on the construction schedule progression. The contractor must be able to re-direct their staff to other projects should delays arise due to road/building construction schedules, unforeseen complications, imperfect conditions that must be corrected before work may proceed, inclement weather conditions, etc., at no additional cost to the Commission.

g. Accuracy. The successful **Proposer will be totally responsible for accurately measuring the amount of roadway and inter-building fiber required including all service slack necessary to completely satisfy the requirements of this RFP <u>prior</u> to submitting a proposal.**

1. The Proposer must physically wheel off the entire segment of highway, the footage required to install fiber through the pathways between and to/from all the structures and add in the additional service slack footage, (see section **IV-4. Tasks.,** below for slack installation), for all junction boxes and buildings included in this RFP.
2. The Proposer must include in their documentation, a statement that breaks out in line items:
   a. Line item for total comprehensive footage for all the 96 strand roadway fiber necessary to completely satisfy the requirements of this RFP.
   b. Line item for total comprehensive footage for all the 12 strand inter-building fiber necessary to completely satisfy the requirements of this RFP.
   c. Include on the statement in separate line items the total 96 strand footage between points for each of the following:
      1. MM 21.9 closest JB to the Redstone Tower Site Rack
      2. Redstone Tower Site Rack to the M-19 Data Recording Room Rack
      3. M-19 Data Recording Room Rack to the M-18 Ramp SEA-S Rack
      4. MM 14.9 closest JB to the M-18 SEA-S Rack
3. The statement must be signed off by the Official authorized to bind the Proposer, indicating that Official's agreement that the fiber measurements were obtained through physically wheeling off the project, the information reflected in the statement is accurate and binding and the totals on the statement will completely satisfy the footage requirements for all the fiber called out in this RFP. **<u>This signed statement must be included with the proposal</u>**.

h. Prevailing Wage Rates. The Provisions of the Pennsylvania Prevailing Wage Act of August 15, 1961, P.L. 987 as amended, together with the rates and regulations promulgated by the Secretary of Labor and Industry, will apply to this project. The work is located in Fayette County. Refer to the attached "Prevailing Wage" document for specific wage levels as determined by the Department of Labor and Industry.

i. Final Acceptance Tasks.

1. A walkthrough of the entire project with the Proposer's Project Manager and Commission staff will be scheduled at the end of the installation after all testing and certification of the infrastructure cabling system is completed, to identify any outstanding tasks or issues that might need to be addressed to finalize the project.
2. The Commission will turn up electronic systems at all building locations in this phase and run data loads from the site to the Central Administration Building to determine if the system accommodates the traffic levels as set forth in the proposal.
3. All outstanding tasks identified during the review period must be addressed and resolved to the Commission's satisfaction before the contract may be closed out.

IV-4. Tasks. Refer to the "**Uniontown to Brownsville, Part Specifications**" document for a list of materials required for this project. Note that **<u>all measurements</u>** referenced in the "Uniontown to Brownsville Part Specifications" **<u>are approximate</u>** and do not necessarily reflect an accurate assessment of cable length requirements. Refer to section **IV-3 Requirements; g. Accuracy.,** for the Proposer's responsibility for determining footage and documentation that must be included in the proposal. The parts list references the manufacturer and part numbers available at the time this request for proposal was issued. Any deviation from the parts listed in the specification sheet, including additional parts that may be required and number of parts to order, must be noted in the proposal and subsequently be

approved by the Commission. This list is not intended to be all inclusive. **The Proposer has the final responsibility for determining the number of parts/materials to order and any additional parts/materials that may be required to successfully complete this project, call out any and all changes in the proposal so the Commission is aware of those modifications and ultimately if chosen get Commission approval for all changes.** Refer to the Overall Phase I and II Map Overview; Mon /Fayette Expressway Uniontown to Brownsville Phase 1 Phase 2, for approximate locations of the interchange and ramp facilities. The Data Recording Room at the M-19 Mainline Interchange is on the southbound side of the roadway. The Redstone Tower site is located on the hill above the M-19 Data Recording Room location on the south bound side of the road. This will provide a general reference and the site visit should clarify the layout for the purpose of preparing a proposal.

a. Ortronics Racks. Install one each, Ortronics 7 foot standing rack, in each of the following locations. Racks must be bolted to the floor and stabilized at the top using a bracket/brace, (approved by the Commission), to the ladder rack or wall.

1. Communication Building at M-18 Ramp SEA-S, Searights Road Interchange
2. Communication Building at M-18 Ramp N-SEA, Searights Road Interchange
3. Data Recording Room at M-19, Mainline Toll Facility
4. Miller Building at Redstone Tower

b. Electrical. If electrical receptacles are not installed in the Communication Buildings, Miller Building and/or Data Recording Room above the rack, the contractor will be responsible for installing 20 amp twist lock receptacles in the ceiling above each rack, running a dedicated circuit to the electrical panel and electrifying each individual rack. The contractor may be tasked with installing additional conduit as required throughout the project to protect electrical and/or fiber cables. Refer to the "Uniontown to Brownsville Part Specifications" document for part description and numbers. All electrical runs must be clearly, permanently labeled in the panel and at the receptacle.

c. Service Slack. Installation of all slack should not exceed the minimum bend radius for the fiber type.

1. **Roadway Path.** The Proposer should place **30 feet of roadway fiber service slack** at the following locations along the roadway installation path:
   a. Every tenth, (10^{th}),junction box along the roadway fiber installation route, starting at the end points in the JB's closest to MM 21.9 and MM 14.9 respectively and working inward toward the building locations from the north and south.
   b. At each end of all bridge approaches in the JB's immediately preceding the bridge spans regardless of the previous slack placement.
2. **Service Slack In Buildings.** The Proposer should place **50 feet of roadway fiber and inter-building 12 strand fiber service slack** at building sites:
   a. Install 50 feet of roadway fiber service slack at each point of building penetration, from both the north and the south side of the roadway fiber and also east and west ends for the ramp inter-building fiber connection.

d. Fiber Hardware Components. Install all fiber hardware components in the appropriate Communication Building, Data Recording Room and/or Tower Miller Building rack locations designated in the "Uniontown to Brownsville Part Specifications" document. Use the supporting Overall Phase I and II Map Overview; Mon /Fayette Expressway Uniontown to Brownsville Phase 1 Phase 2, to identify the Ramp Communication Buildings, Interchange Data Recording Room and Miller Building as referenced below. As stated earlier, the Redstone Tower site is located on the hill above the M-19 Data Recording Room location on the south bound side of the road.

1. **M-18 Communication Building at Ramp N-SEA**
   a. Install a PCH-01U Closet Connector Housing in the Ortronics 7 foot standing rack
   b. Install a CCH-CP12-A9 Connector Panel in the PCH-01U housing
   c. Install a M67-110 fusion splice tray in the PCH-01U housing
2. **M-18 Communication Building at Ramp SEA-S**
   a. Install a PCH-04U Closet Connector Housing in the Ortronics 7 foot standing rack
   b. Install 4 (four), CCH-CP12-A9 Connector Panels in the PCH-04U housing
   c. Install 4 (four), M67-048 fusion splice trays in the PCH-04U housing
3. **M-19 Data Recording Room**
   a. Install a PCH-04U Closet Connector Housing in the Ortronics 7 foot standing rack
   b. Install 2 (two), CCH-CP12-A9 Connector Panels in each of the PCH-04U housings
   c. Install 2 (two), M67-048 fusion splice trays in the PCH-04U housing
4. **Redstone Tower Miller Building**
   a. Install a PCH-04U Closet Connector Housing in the Ortronics 7 foot standing rack
   b. Install 3 (three), CCH-CP12-A9 Connector Panels in each of the PCH-04U housings
   c. Install 3 (three), M67-048 fusion splice trays in the PCH-04U

e. Fiber. Install Corning 96 strand single mode roadway fiber and Corning 12 strand Fiber.

1. Install the **Corning 96 strand single mode fiber** cable as specified in the "Uniontown to Brownsville Part Specifications" document, along the entire length of the road from the closest JB to MM 14.9 to the closest JB to MM 21.9 and into the structures as designated below. The Proposer will utilize the HDPE **"green"** conduit that has been installed as a pathway for the backbone fiber installation and the transition conduits building penetrations at the designated structures. **There should be no reason to splice the roadway fiber or 12 strand fiber at any intermediate points between interchange/plaza lengths.** Bring the 96 strand fiber into the following buildings (from/to directions):
   a. From the closest JB to MM 14.9, into the M-18 Ramp SEA-S Communication Building Rack
   b. From the M-18 SEA-S Communication Building Rack to the M-19 Data Recording Room Rack
   c. From the M-19 Data Recording Room Rack to the Redstone Tower Miller Building Rack
   d. From the JB located closest to MM 21.9 to the Redstone Tower Miller Building Rack
2. Install a **Corning 12 strand single mode fiber cable** as specified in the "Uniontown to Brownsville Part Specifications" document, from the M-18 Ramp SEA-S Communication Building to the M-18 Ramp N-Sea Communication Building.

f. Fiber Termination. Proposer must appropriately secure and protect any un-terminated, (free hanging), fiber in the structures that are included in this RFP. If possible all fusion splicing should utilize LID technology.

1. Terminate the Corning 96 strand roadway fiber and the Corning 12 strand inter-building fiber using the factory terminated SM 12 strand pigtails at the designated locations in to the fusion splice trays installed in the Ortronics racks connector housings and/or straight splice as called out in the **Work Statement section IV-1 Objectives b. Specific**. **Refer to Fiber Splice Point Detail** below in **section g.** for additional information.
   a. M-18 SEA-S, 4, (four), 12 strand pigtails
   b. M-18 N-Sea, 1 (one), 12 strand pigtail
   c. M-19 Data Recording Room, 3 (three), 12 strand pigtails
   d. Redstone Tower Miller Building, 3 (three), 12 strand pigtails

g. Fiber Splice Point Detail.

1. **96 Strand**
   a. **Fiber end point starting at MM 21.9 closest JB** – no splice – secure roadway fiber in fiber enclosure as appropriate
   b. **Fiber coming from MM 21.9 to the Redstone Tower at the Redstone Tower side** – Blue tube should be fusion spliced into splice tray in PCH-04U housing
   c. **Fiber coming from the Redstone Tower to M-19 Data Recording Room on the Redstone Tower side** – Blue and Orange tubes should be fusion spliced into splice trays in the PCH-04U housing
   d. **Fiber from the Redstone Tower to the M-19 Data Recording Room on the M19 Data Recording Room side** – Blue tube should be fusion spliced into splice tray in the PCH-04U housing and Orange tube should be straight spliced through to Ramp M-18 SEA-S Communication Building
   e. **Fiber from the M19 Data Recording Room to the Ramp M-18 SEA-S Communication Room on the M-19 Data Recording Room side** – Blue tube should be fusion spliced into splice trays in the PCH-04U housing
   f. **Fiber from the M19 Data Recording Room to the Ramp M-18 SEA-S Communication Room on the M-18 SEA-S Communication Room side** – Blue tube and the orange tube straight splice should be fusion spliced into splice trays in the PCH-04U housing
   g. **Fiber coming from Ramp M-18 SEA-S Communication Room to MM 14.9 on the Ramp M-18 SEA-S Communication Room side** - Blue tube should be fusion spliced into splice tray in the PCH-04U housing
   h. **Fiber end point starting at MM 14.9 closest JB** – no splice – secure roadway fiber in fiber enclosure as appropriate
2. **12 Strand**
   a. **Fiber coming from Ramp M-18 SEA-S Communication Room across to the Ramp M-18 N-SEA Communication Room on the Ramp M-18 SEA-S Communication Room side** - should be fusion spliced into splice tray in the PCH-04U housing
   b. **Fiber coming from Ramp M-18 SEA-S Communication Room across to the Ramp M-18 N-SEA Communication Room on the Ramp M-18 N-SEA Communication Room side** - should be fusion spliced into splice tray in the PCH-01U housing

h. Miscellaneous.

1. Provide all patch cables as listed in "Uniontown to Brownsville Part Specifications" within 30 days from the date of the initiation of the project at the site.
2. Provide as-built documentation in AutoCAD electronic format on CD for the complete Uniontown to Brownsville Phase I project. Submit 3 copies to the Commission within 15 days of the project Installation Review.
3. Provide all cable test results in electronic format on CD. Include any software necessary to view these results along with the test data on the CD and submit 3 copies to the Commission within 15 days of the project Installation Review.
4. The Commission must receive all manufacturer warranty certificates/certifications for the Uniontown to Brownsville Phase I Project within 30 days of the project Installation Review.

IV-5. Reports and Project Control.

a. Task Plan. A work plan for each task that identifies the work elements of each task, the resources assigned to the task, and the time allotted to each element and the deliverable items to be produced.

b. Status Report. A weekly progress report, submitted by 12 noon, each Friday, during the duration of the project, highlighting activities/achievements, problems, and recommendations; the report should be keyed to the work plan developed by the Proposer in its proposal, as amended or approved by the Commission. Include a stick line drawing showing progress of fiber installation for the week.

c. Problem Identification Report. An "as required" report, identifying problem areas. The report should describe the problem and its impact on the overall project and on each affected task. It should list possible courses of action with advantages and disadvantages of each, and include Proposer recommendations with supporting rationale.

d. Final Report.

1. Summarize the overall project layout highlighting the major milestones during the installation and final project completion in terminology that will be meaningful to management and others generally familiar with the subject areas.

2. Describe data collection and installation techniques used during the project.

3. Summarize any recommendations developed through the task progression that may be utilized in similar projects in the future.

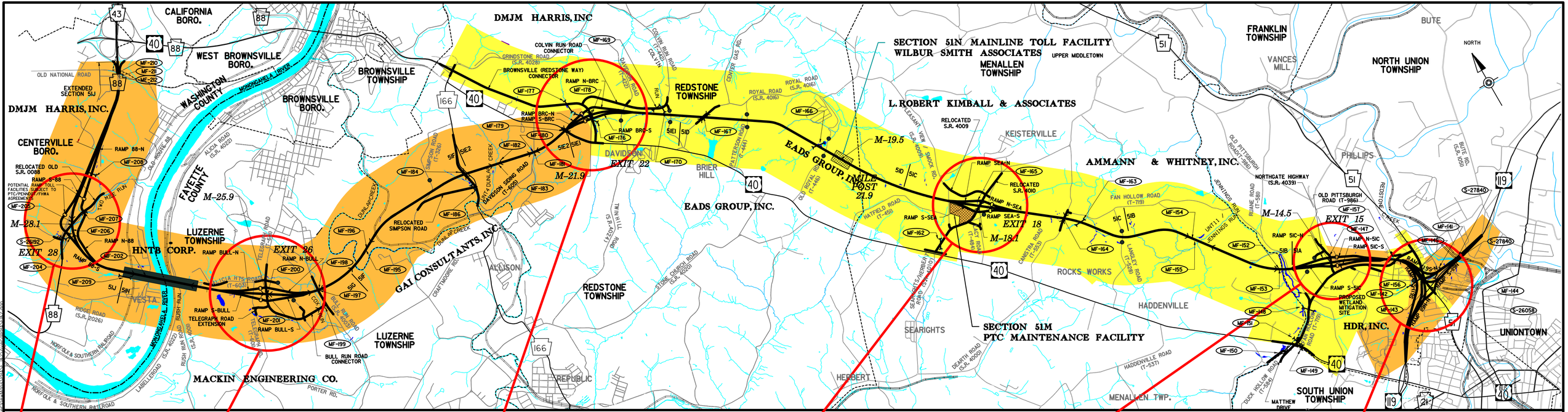
4. Include all supporting documentation including but not limited to:
    a. End-to-End Insertion Loss Data
    b. Individual Splice Loss Data
    c. OTDR Traces
    d. Connector Insertion Loss Data
    e. Documentation of all splices
    f. As-Built Documentation
        1. Visio drawing showing connector riser with all splice points, number of strands terminated, type of fusion splice, (tray or straight through), number of strands free hanging, building designations, etc.
        2. Line drawings showing fiber path through all JB's, footage between JB's, all structures along path, bridge crossings, type of fiber installed, etc.
        3. CAD drawings of finalized "as-built" project

UNIIONTOWN TO BROWNSVILLE PART SPECIFICATIONS

Hardware	Part Number	Location	24- Fiber Drop point (Total of 3)	TOTAL QTY
Fiber Connectors Factory Pre-Terminated				
12 Strand SM Pigtails with LC Connectors	**000412R8131003M**	Redstone Tower, M19 DRR, (3 each), M18 Ramp SEA-S, (4), M18 Ramp N-SEA (1)		**11**
CCH Panels				
CCH Connector Panel, 12 fiber, LC, single-mode, Duplex Adapters, Ceramic Composite Housing	**CCH-CP12-A9**	Redstone Tower,(3) M19 DRR, (2), M18 Ramp SEA-S, (4), M18 Ramp N-SEA (1)		**10**
Rack Mount Connector Housings				
Pretium Closet Connector Housing, 2 Panel Capacity, 1 Unit High, Comes with one UCC-001	**PCH-01U**	M18 Ramp N-SEA		**1**
Pretium Closet Connector Housing, 12 Panel Capacity and 12 Splice Tray Capacity, 4 Unit High, Comes with one UCC-001	**PCH-04U**	Redstone Tower, M19 DRR, M18 Ramp SEA-S	1	**3**
Outdoor Fiber Enclosures - End Points				
3M Fiber Optic Splice Enclosure Case, with 96 single fusion fiber splice capacity	**2178-S**	JB closest to 21.9 end point and JB closest to 14.5 end point, (1 each)		**2**
3M Fiber Splice Enclosure Cable Expansion Kit	**2181-LS**	JB closest to 21.9 end point and JB closest to 14.5 end point, (1 each)		**2**
3M Fusion Splice Organizer Tray, holds 24 single fusion splices with 96 single fiber capacity	**2524-FT**	JB closest to 21.9 end point and JB closest to 14.5 end point, (4 each)		**8**
Standard Splice Trays and Housing Accessories				
Splice Tray Bracket for PCH-01U	**PC1-SPLC-04R**	M18 Ramp N-SEA		**1**
Strain Relief Bracket for PCH-01U	**PC1-STRN**	M18 Ramp N-SEA		**1**
Splice Tray Bracket for PCH-04U	**PC4-SPLC-12SR**	Redstone Tower, M19 DRR, M18 Ramp SEA-S		**3**
Strain Relief Bracket for PCH-04U	**PC4-STRN**	Redstone Tower, M19 DRR, M18 Ramp SEA-S		**3**
Fusion Splice Tray (0.4"), 12 Fiber Capacity, Heat Shrink, Type 4R, Reduced length	**M67-110**	M18 Ramp N-SEA (1)		**1**

UNIIONTOWN TO BROWNSVILLE PART SPECIFICATIONS

Hardware	Part Number	Location	24- Fiber Drop point (Total of 3)	TOTAL QTY
Standard Splice Trays and Housing Accessories (cont)				
Fusion Splice Tray (0.2"), 12 Fiber Capacity, Heat Shrink, Type 2S	**M67-048**	Redstone Tower,(3), M19 DRR, (2), M18 Ramp SEA-S, (3)		**9**
Fusion Splice Protection- Heat Shrinks 40mm long, package of 50	**2806032-01**	Redstone Tower(24), M19 DRR, (36 each), M18 Ramp SEA-S, (36), M18 Ramp N-SEA (12)		**3,** (Note that each pack holds 50 and we need a total count of 108 heat shrinks)
Cable				
ALTOS All-Dielectric Cable, 96 Fiber, Single-mode, 0.4/0.3 dB/km Attenuation	**096EW4-T4101D20**	Roadway conduit - MM 14.5 to MM 21.9, into all buildings as noted from north and south, (except M18 Ramp N-SEA)		**Approx. 8.5 miles**
ALTOS All-Dielectric Cable, 12 Fiber, Single-mode, 0.4/0.3 dB/km Attenuation	**012EW4-T4101D20**	Between Ramp M18 Comm. Buildings		**Approx. 3000 feet**
Racks and Patch Cables				
Ortronics, 7 ' open rack, black, 19"	**OR-604004600**	Redstone Tower, M19 DRR, M18 Ramp SEA-S, M18 Ramp N-SEA		**4**
Ortronics Cable Management Panel with five horizontal plastic distribution rings, 1.7" H x 2.70" D, 1 rack unit (1.75"), black	**OR-808004759**	All sites - installed by others		**16**
LC to LC SM Fiber Zip Cord 1 meter	**040402R5120001M**	All sites - installed by others		**16**
LC to LC SM Fiber Zip Cord 2 meter	**040402R5120002M**	All sites - installed by others		**16**
Electrical Components As Required				
Hubbel, 20 amp 125 volt, Twist Lock Receptacle	**HBL2310**	Redstone Tower, M19 DRR, M18 Ramp SEA-S, M18 Ramp N-SEA, 1 each		**4**
Geist Mfg., 66 inch, Vertical Rack 20 outlet, 125 volt, 20 amp, Power Strip, with 10 ft. cord, black	**VRTBN200-10210TL**	Redstone Tower, M19 DRR, M18 Ramp SEA-S, M18 Ramp N-SEA, 1 each		**4**


DMJM HARRIS, INC.
CENTERVILLE BORO.
CALIFORNIA BORO.
WEST BROWNSVILLE BORO.
BROWNSVILLE BORO.
BROWNSVILLE TOWNSHIP
WASHINGTON COUNTY
FAYETTE COUNTY
LUZERNE TOWNSHIP
HNTB CORP.
MACKIN ENGINEERING CO.
GAI CONSULTANTS, INC.
REDSTONE TOWNSHIP
DAVIDSON
BRIER HILL
ALLISON
EADS GROUP, INC.
EADS GROUP, INC. MILE POST 21.9
SECTION 51N MAINLINE TOLL FACILITY
WILBUR SMITH ASSOCIATES
MENALLEN TOWNSHIP
L. ROBERT KIMBALL & ASSOCIATES
AMMANN & WHITNEY, INC.
KEISTERVILLE
ROCKS WORKS
HADDENVILLE
SEARIGHTS
SECTION 51M PTC MAINTENANCE FACILITY
HDR, INC.
FRANKLIN TOWNSHIP
VANCES MILL
NORTH UNION TOWNSHIP
PHILLIPS
UNIONTOWN
SOUTH UNION TOWNSHIP
MENALLEN TWP.
HERBERT
REPUBLIC
VESTA
EXIT 28
EXIT 26
EXIT 22
EXIT 18
EXIT 15
M-25.9
M-28.1
M-21.9
M-19.5
M-18.1
M-14.5
RTE. 88 INT.
BULL RUN RD. INT.
REDSTONE WAY INT.
SEARIGHTS RD. INT.
OLD PGH. RD. INT.
RTE. 119 INT.
PHASE 1
PHASE 2
MON/FAYETTE EXPRESSWAY UNIONTOWN TO BROWNSVILLE
Gannett Fleming

Prevailing Wages Project Rates

Project Name: Uniontown to Brownsville Phase I
Awarding Agency: Pennsylvania Turnpike Commission
Contract Award Date: 5/1/2008
Serial Number: 08-0848
Project Classification: (Heavy, Highway)
Determination Date: 2/12/2008 11:12:39 AM
Assigned Field Office: Altoona
Field Office Phone Number: 814-940-6224
Toll Free Phone Number:

Fayette County

(Building)	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	8/1/2007		$29.62	$17.39	$47.01
Boilermakers	6/1/2006		$31.40	$19.06	$50.46
Bricklayer	6/1/2007		$26.02	$13.42	$39.44
	12/1/2007		$26.27	$13.67	$39.94
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2007		$26.36	$10.60	$36.96
	6/1/2008		$27.08	$10.89	$37.97
	6/1/2009		$27.82	$11.19	$39.01
Cement Finishers	6/1/2007		$23.29	$11.42	$34.71
	12/1/2007		$23.79	$11.42	$35.21
Dock Builder/Pile Drivers	1/1/2008		$27.85	$11.50	$39.35
	1/1/2009		$28.85	$12.00	$40.85
	1/1/2010		$29.95	$12.25	$42.20
Drywall Finisher	6/1/2007		$23.26	$12.73	$35.99
Electric Lineman	6/3/2007		$35.46	$14.95	$50.41
	6/1/2008		$37.45	$15.47	$52.92

	5/31/2009		$39.54	$16.03	$55.57
Electricians & Telecommunications Installation Technician	12/22/2006		$30.38	$15.62	$46.00
	12/21/2007		$31.38	$16.01	$47.39
Elevator Constructor	1/1/2007		$36.11	$17.23	$53.34
	1/1/2008		$37.65	$18.73	$56.38
Floor Layer - No Rate Established (Use Carpenters)	10/4/2001	10/4/2002	$0.00	$0.00	$0.00
Glazier	9/1/2007		$26.05	$16.05	$42.10
	9/1/2008		$27.30	$16.05	$43.35
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2007		$29.13	$18.12	$47.25
Laborers (Class 01 - See notes)	6/1/2007		$20.12	$8.47	$28.59
	12/1/2007		$20.12	$8.87	$28.99
	6/1/2008		$20.52	$8.87	$29.39
	12/1/2008		$20.52	$9.27	$29.79
	6/1/2009		$20.92	$9.27	$30.19
	12/1/2009		$20.92	$9.72	$30.64
Laborers (Class 02 - See notes)	6/1/2007		$20.27	$8.47	$28.74
	12/1/2007		$20.27	$8.87	$29.14
	6/1/2008		$20.67	$8.87	$29.54
	12/1/2008		$20.67	$9.27	$29.94
	6/1/2009		$21.07	$9.27	$30.34
	12/1/2009		$21.07	$9.72	$30.79
Laborers (Class 03 - See notes)	6/1/2007		$20.40	$8.47	$28.87
	12/1/2007		$20.40	$8.87	$29.27
	6/1/2008		$20.80	$8.87	$29.67
	12/1/2008		$20.80	$9.27	$30.07
	6/1/2009		$21.20	$9.27	$30.47
	12/1/2009		$21.20	$9.72	$30.92
Laborers (Class 04 - See notes)	6/1/2007		$20.87	$8.47	$29.34
	12/1/2007		$20.87	$8.87	$29.74
	6/1/2008		$21.27	$8.87	$30.14
	12/1/2008		$21.27	$9.27	$30.54
	6/1/2009		$21.67	$9.27	$30.94

	12/1/2009	$21.67	$9.72	$31.39
Landscape Laborer	7/1/2007	$17.68	$7.97	$25.65
	7/1/2008	$18.03	$8.37	$26.40
Landscape Laborer (Skilled)	7/1/2007	$18.10	$7.97	$26.07
	7/1/2008	$18.45	$8.37	$26.82
Landscape Laborer (Tractor Operator)	7/1/2007	$18.40	$7.97	$26.37
	7/1/2008	$18.75	$8.37	$27.12
Marble Finisher	6/1/2007	$18.55	$9.40	$27.95
	12/1/2007	$18.82	$9.40	$28.22
Marble Mason	6/1/2007	$18.96	$7.62	$26.58
	12/1/2007	$19.06	$7.87	$26.93
Millwright	6/1/2007	$31.99	$13.66	$45.65
	6/1/2008	$32.71	$14.29	$47.00
Operators (Class 01 - see notes)	6/1/2007	$26.32	$14.08	$40.40
Operators (Class 02 -see notes)	6/1/2007	$23.63	$14.08	$37.71
Operators (Class 03 - see notes)	6/1/2007	$21.91	$14.08	$35.99
Painters Class 6 (see notes)	6/1/2007	$23.43	$11.68	$35.11
Pile Driver Divers (Building, Heavy, Highway)	1/1/2008	$41.78	$11.50	$53.28
	1/1/2009	$43.28	$12.00	$55.28
	1/1/2010	$44.39	$12.25	$56.64
Plasterers	6/1/2007	$24.28	$11.50	$35.78
Plumbers and Steamfitters	6/1/2007	$26.00	$17.36	$43.36
	6/1/2008	$26.88	$18.23	$45.11
Pointers, Caulkers, Cleaners	6/1/2007	$24.61	$12.35	$36.96
	12/1/2007	$25.11	$12.35	$37.46
Roofers	6/1/2007	$24.39	$9.80	$34.19
Sheet Metal Workers	10/1/2007	$29.24	$18.23	$47.47

Sprinklerfitters	7/1/2007		$30.49	$14.15	$44.64
	7/1/2008		$31.99	$14.15	$46.14
	7/1/2009		$33.49	$14.15	$47.64
Stone Masons	12/1/2007		$27.55	$13.47	$41.02
Terrazzo Finisher	6/1/2007		$25.11	$10.44	$35.55
Terrazzo Setter	6/1/2007		$25.73	$11.37	$37.10
Tile Finisher	6/1/2007		$20.15	$9.40	$29.55
	12/1/2007		$20.42	$9.40	$29.82
Tile Setter	6/1/2007		$26.08	$12.06	$38.14
	12/1/2007		$26.30	$12.20	$38.50
Truckdriver class 1(see notes)	1/1/2007		$22.71	$9.81	$32.52
Truckdriver class 2 (see notes)	1/1/2007		$22.86	$9.88	$32.74
Truckdriver class 3 (see notes)	1/1/2007		$23.40	$10.11	$33.51

(Heavy & Highway)	**Effective Date**	**Expiration Date**	**Hourly Rate**	**Fringe Benefits**	**Total**
Carpenter Welder	1/1/2008		$27.37	$11.52	$38.89
	1/1/2009		$28.23	$12.16	$40.39
	1/1/2010		$29.18	$12.56	$41.74
Carpenters	1/1/2008		$26.67	$11.52	$38.19
	1/1/2009		$27.53	$12.16	$39.69
	1/1/2010		$28.48	$12.56	$41.04
Cement Finishers	1/1/2007		$24.62	$11.92	$36.54
Iron Workers	6/1/2007		$29.13	$18.12	$47.25
Laborers (Class 01 - See notes)	1/1/2008		$22.60	$11.85	$34.45
	1/1/2009		$23.30	$12.65	$35.95
	1/1/2010		$23.75	$13.55	$37.30
Laborers (Class 02 - See notes)	1/1/2008		$22.76	$11.85	$34.61
	1/1/2009		$23.46	$12.65	$36.11
	1/1/2010		$23.91	$13.55	$37.46

Laborers (Class 03 - See notes)	1/1/2008	$23.15	$11.85	$35.00
	1/1/2009	$23.85	$12.65	$36.50
	1/1/2010	$24.30	$13.55	$37.85
Laborers (Class 04 - See notes)	1/1/2008	$23.60	$11.85	$35.45
	1/1/2009	$24.30	$12.65	$36.95
	1/1/2010	$24.75	$13.55	$38.30
Laborers (Class 05 - See notes)	1/1/2008	$24.01	$11.85	$35.86
	1/1/2009	$24.71	$12.65	$37.36
	1/1/2010	$25.16	$13.55	$38.71
Laborers (Class 06 - See notes)	1/1/2008	$19.05	$11.85	$30.90
	1/1/2009	$19.75	$12.65	$32.40
	1/1/2010	$20.20	$13.55	$33.75
Laborers (Class 07 - See notes)	1/1/2008	$23.60	$11.85	$35.45
	1/1/2009	$24.30	$12.65	$36.95
	1/1/2010	$24.75	$13.55	$38.30
Laborers (Class 08 - See notes)	1/1/2008	$25.10	$11.85	$36.95
	1/1/2009	$25.80	$12.65	$38.45
	1/1/2010	$26.25	$13.55	$39.80
Operators (Class 01 - see notes)	1/1/2007	$24.58	$13.09	$37.67
Operators (Class 02 -see notes)	1/1/2007	$24.32	$13.09	$37.41
Operators (Class 03 - See notes)	1/1/2007	$20.67	$13.09	$33.76
Operators (Class 04 - See notes)	1/1/2007	$20.21	$13.09	$33.30
Operators (Class 05 - See notes)	1/1/2007	$19.96	$13.09	$33.05
Painters Class 1 (see notes)	6/1/2007	$25.73	$11.68	$37.41
Painters Class 2 (see notes)	6/1/2007	$26.23	$11.68	$37.91
Painters Class 3 (see notes)	6/1/2007	$28.15	$11.68	$39.83
Painters Class 4 (see notes)	6/1/2007	$22.52	$10.67	$33.19
Painters Class 5 (see notes)	6/1/2007	$18.30	$9.91	$28.21

Piledrivers	1/1/2008	$27.85	$11.50	$39.35
	1/1/2009	$28.85	$12.00	$40.85
	1/1/2010	$29.95	$12.25	$42.20

* * *

If you can not find a classification under Heavy & Highway please refer to the Building wage rates. For further information on construction types review the Operator and Laborer Notes on this site.

Addendum No. 1

RFP 08-10350-3618
Roadway and Campus Fiber Installation Services for Uniontown to Brownsville Phase I

Additional Requirements for Proposers

Please make note of the following additional requirements which have been added to this RFP:

Bonding Requirements. The awarded contractor shall furnish a Performance Bond, with sufficient surety or sureties, in the amount of $50,000.00. The bond must specify that the contracted work will be completed in a manner satisfactory to the Commission. Have the bond state that the Commission is not liable for any expenses incurred through the failure to complete the work as specified, nor liable for any damages growing out of the carelessness of the Contractors, the Contractor's employees, or subcontractors. Have a corporate surety, legally authorized to transact business in the State and satisfactory to the Commission, execute the bond. Have participants in a joint venture submit a single Performance Bond signed by both the joint participants and by their surety. The bond is to cover their joint and individual liability.

Safety Policy Statement and Procedures Manual. The Turnpike Commission is committed to providing a safe working environment that ensures the Contractors are utilizing the most commonly accepted best practices in their daily safety program and working regiment. This may include, but is not limited to, federal (OSHA), state and local regulations that govern the operations of the Contractor. The Contractor will submit a copy of their current Safety Policy Statement and Safety Procedures with this proposal.

Insurance. The Contractor will be required to obtain the following insurance coverage prior to commencement of the agreement.

a. **Worker's Compensation and Employer's Liability Insurance**. Take out, pay for and maintain during the life of the contract, Worker's Compensation Insurance in statutory required limits for the protection of all employees. Provide, pay for and maintain during the life of the contract, Employers Liability Insurance in limits of not less than $500,000 bodily injury each accident, $500,000 bodily injury by disease, and $500,000 bodily injury by disease each employee.

b. **Commercial General Liability Insurance**. Includes: Products/Completed Operations; Blanket Contractual Liability - All Written and Oral Contracts; premises and operations liability; explosion, collapse and underground; personal injury; independent contractors; broad form property damage; severability of interests provisions; personal injury and advertising liability; premises medical payments; host liquor liability; fire damage legal liability - real property; incidental malpractice (including employees); non-owned watercraft; and automatic coverage for newly acquired entities.

(1) The minimum required limits for the Commercial General Liability policy will be as follows:

- $2,000,000 Each Occurrence
- $2,000,000 Advertising and Personal Injury Limit
- $2,000,000 General Aggregate per Location/Per Site
- $2,000,000 Products and Completed Operations Aggregate
- $50,000 Fire Damage Legal Any One Fire
- $5,000 Medical Payments

d. **Commercial Automobile Liability Insurance** covering all owned, hired, leased and non-owned vehicles with a minimum limit of liability of $2,000,000 per occurrence.

e. **Commercial Umbrella/Excess Insurance** with the following minimum limits:

- $3,000,000 Per Occurrence
- $3,000,000 General Aggregate
- $3,000,000 Products/Completed Operations Aggregate

Additional Information for Proposers

Please see attached clarifying information and drawings as a result of various points of discussion which took place at the Mandatory Pre-Proposal Conference held on May 12, 2008.

Also please find attached the Signin Sheet for the vendors/representatives who attended the Conference held on May 12, 2008.

All other terms, conditions and requirement of the original RFP dated April 25, 2008 remain unchanged unless modified by this Addendum.

Revise 360.3(i) to read:

(i) Compaction. Replace with the following:

Seat ATPBC using an 8 ton to 10 ton, steel-wheeled roller, or vibratory roller operated in the static mode only. Compact ATPBC by applying four roller passes. One roller pass is defined as one trip of the roller in one direction over any one spot. Additional passes are allowed only to eliminate any surface irregularities, or creases. Perform rolling only when the mat has cooled sufficiently to avoid shoving or lateral movement of the ATPBC. Do not compact the material to the point that it is not free draining or the aggregate is crushed. Complete rolling before the mat temperature is 100F, unless directed to continue rolling.

H23.00 NOT USED

H24.00 NOT USED

H25.00 HDPE CONDUIT (ITEM 4910-5005) 04/02/05

H25.01 Description – This work is the furnishing and installation of a bank of 4 individual high density polyethylene (HDPE) conduits and pulling lines for future installation of fiber optic cables by others.

H25.02 Material-

(a) 1-1/4" HDPE Conduit – SDR11 with ribbed interior wall and smooth exterior wall. Manufactured in accordance with ASTM F2160 and ASTM D3035 from thermoplastic polymer conforming to the minimum standards defined in ASTM 3350 (See Table 1). Colors: Black, green, blue, and orange. The black conduit is to contain a tracing wire.

Table 1 – Resin Properties

The resin Properties shall meet or exceed the values listed below for HDPE

ASTM Test	Description	Values HDPE
D-1505	Density g/CM^3	.941 - .955
D-1238	Melt Index, g/10 min. Condition E	.05 - .50
D-790	Flexural Modulus, MPa (PSI)	80,000 min.
D-1693	Environmental Stress Crack Resistance Condition B,F_{10}	96 hrs. min.
D-638	Tensile strength at yield ((PSI)	3000 min.
D-746	Brittleness Temperature	-75°C

(b) Plastic marking tape, Section 1101.12(e), red.

(c) Pulling lines, braided rope or woven tape.

H25.03 Construction – In accordance with Section 910.3(g) and as follows:

Place four 1-1/4" conduits (SDR11) at locations indicated on the Drawings. Place conduit such that it is a continuous run with no splicing between junction boxes.

At obstructions, taper conduit runs to provide vertical or horizontal offset at a rate of 20:1 or flatter.

Provide four (4) individual conduits within the trench, each of a different color (black, green, blue and orange). Identify the four (4) conduits within the trench with red marker tape as indicated on the Drawings. The black conduit is to contain a tracer wire.

Once conduit has been placed between junction boxes, provide orange flexible delineator post, fiber optic cable markers as specified in Special Provision H08.03, and as indicated on the Drawings. Flexible markers are to identify the conduit as a buried fiber optic cable.

Rod all ducts with a mandrel 10% smaller in diameter than internal diameter of the conduit. When rodding indicates that the conduit is damaged, replace the entire conduit run at no additional expense to the Commission and retest.

Install pulling lines in each individual conduit. Provide pulling lines with an average tensile strength in excess of that which is required to pull a 96 pair fiber optic cable. The pulling lines will remain in the conduits for future use by others.

Seal all conduits at both ends with duct plugs to make conduits watertight.

H25.04 Measurement and Payment – Linear Feet. Each linear foot includes for (4) 1-1/4 inch conduits. Pull lines, the blowing of pull lines and marker tape are incidental to this item.

H26.00 TRENCH FOR HDPE CONDUIT 04/02/05
(ITEM 4910-6000)

H26.01 Description – This work is providing the equipment and labor to excavate a trench for the installation of HDPE conduits at the locations identified on the Drawings.

H26.03 Construction – In accordance with Section 910.3(c) and as follows:

Spider plow trenching is an acceptable method of construction.

Maintain depth of excavation between 2 to 3 feet, except where lateral obstructions require a deeper excavation.

H26.04 Measurement and Payment – Linear Feet.

H27.00 JUNCTION BOXES J.B.-11, SPECIAL
(ITEM 9910-0004)

H27.01 Description – This work is the furnishing and installation of a Junction Box, JB-11, Special.

H27.02 Material- Section 910.2, Section 714, and Section 1101.10.

H27.03 Construction – In accordance with Section 910.3(p), Standard Drawings, and as indicated on the Contract Drawings.

H27.04 Measurement and Payment – Each.

H28.00 4-INCH SUBBASE, SHOULDER BACKUP 04/02/05
(ITEM NO. 9000-0050)

H28.01 Description – This work is the construction of shoulder backup along a concrete shoulder.

DRAWING SR 0043 (MON/FAYETTE EXPRESSWAY) SECTION 51D SHEET 1 OF 1

CLARIFICATION DOCUMENT FOR MAINLINE INTERCHANGE M-19 TO TOWER SITE

CONDUIT AND JB LAYOUTS

This drawing will provide a better view of the multi-duct conduit layout up to the Redstone Tower site, specifically at the location where it crosses from the mainline median area and goes up the hill to the tower.

The duct crosses from a JB-11 in the median at approx station 407+20 and goes to a JB-11 up on the hillside near the right-of-way fence. Between these two JB-11's is a utility vault that the conduits go through. The vault is accessible through a manhole lid and is located at the bottom of the hill in the swale area just off of the shoulder. We saw this manhole during the site visit, but it was not obvious that it was part of the raceway system. The conduits run over to the mainline toll facility from this vault and not from the JB-11 by the fence.

DRAWING TO CLARIFY MAINLINE INTERCHANGE M-19 TO REDSTONE TOWER - CONDUIT AND JB LAYOUTS

CONTRACT	TOWNSHIP	COUNTY	CADD / DGN NAME	SHEET
01-002-FCGG-C	REDSTONE	FAYETTE	*	1 OF 1
SR 0043 (MON / FAYETTE EXPRESSWAY) SECTION 51D				

REVISION NUMBER	REVISIONS	DATE	BY

* $FILES$

STA 400+80
END 2-3" PVC CONDUIT
CAP AND MARK ENDS
2-3" PVC CONDUIT TO BE
EXTENDED TO THE COMMUNICATION
TOWER SITE BY OTHERS

2-3" PVC CONDUIT &
4-MULTI-CELL PVC
CONDUIT & FITTINGS

JB-11

TERMINATE 4-MULTI-CELL
PVC CONDUIT AND FITTINGS

4-MULTI-CELL PVC
CONDUIT AND FITTINGS

JB-11

1-MULTI-CELL PVC
CONDUIT & FITTINGS

2-5" PVC CONDUIT &
1-MULTI-CELL PVC
CONDUIT & FITTINGS

2-5" PVC CONDUIT

2-3" PVC CONDUIT

JB-11

4-MULTI-CELL PVC
CONDUIT & FITTINGS

2-5" PVC CONDUIT

STA 407+33
END 2-5" PVC CONDUIT,
CONCRETE ENCASED

UTILITY VAULT

2-MULTI-CELL PVC CONDUIT
& FITTINGS, CONCRETE ENCASED

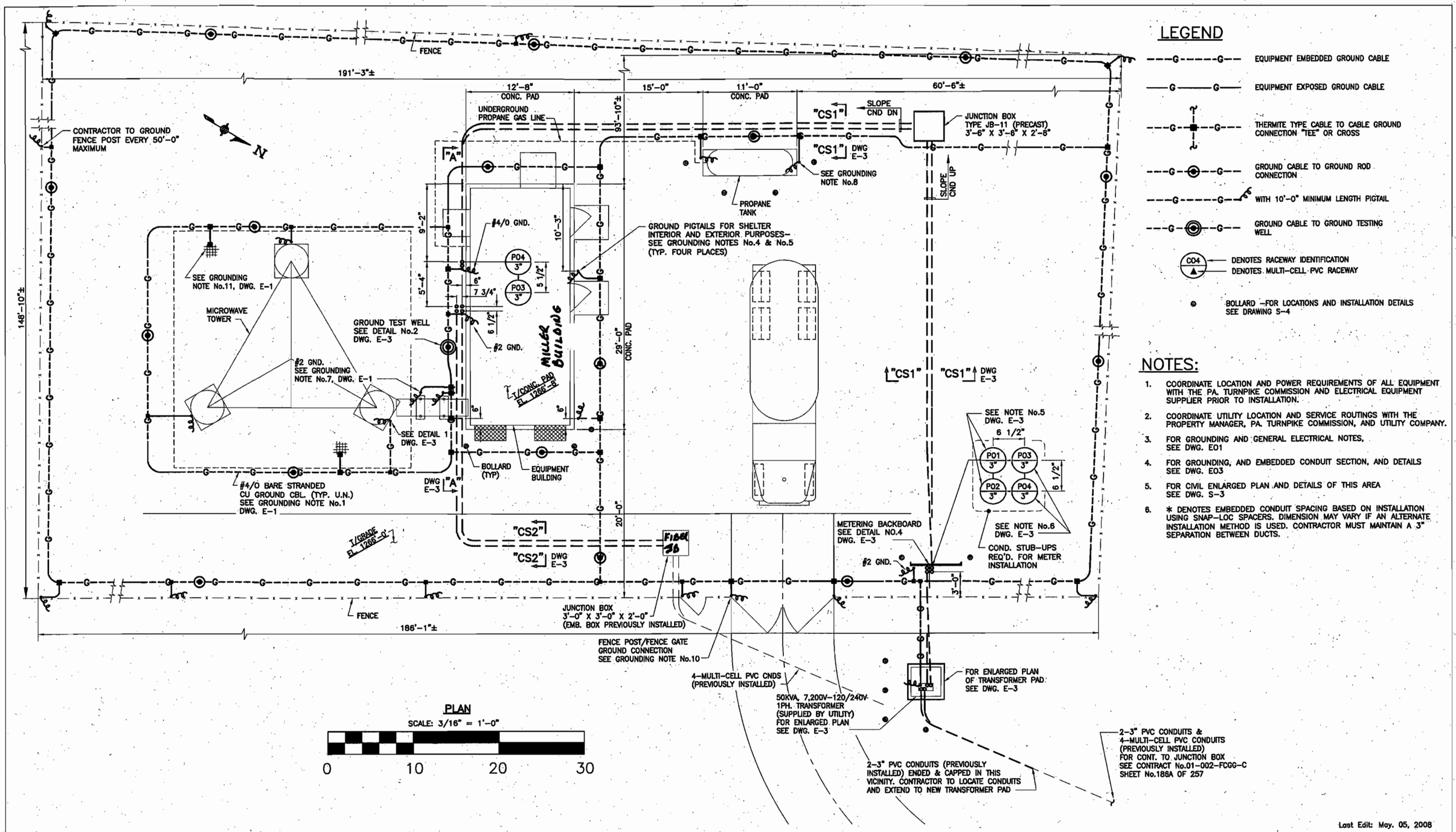
JB-11 SPECIAL

SUBSTITUTE R/W FOR
ALLEGHENY POWER

EXISTING ALLEGH-

20° 35' W

ROBERT IVAN KLINSELMAN



PLAN

SCALE: 3/16" = 1'-0"

0 10 20 30

LEGEND

- EQUIPMENT EMBEDDED GROUND CABLE
- EQUIPMENT EXPOSED GROUND CABLE
- THERMITE TYPE CABLE TO CABLE GROUND CONNECTION "TEE" OR CROSS
- GROUND CABLE TO GROUND ROD CONNECTION
- WITH 10'-0" MINIMUM LENGTH PIGTAIL
- GROUND CABLE TO GROUND TESTING WELL
- C04 — DENOTES RACEWAY IDENTIFICATION
- DENOTES MULTI-CELL PVC RACEWAY
- BOLLARD -FOR LOCATIONS AND INSTALLATION DETAILS SEE DRAWING S-4

NOTES:

1. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH THE PA. TURNPIKE COMMISSION AND ELECTRICAL EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
2. COORDINATE UTILITY LOCATION AND SERVICE ROUTINGS WITH THE PROPERTY MANAGER, PA. TURNPIKE COMMISSION, AND UTILITY COMPANY.
3. FOR GROUNDING AND GENERAL ELECTRICAL NOTES, SEE DWG. E01
4. FOR GROUNDING, AND EMBEDDED CONDUIT SECTION, AND DETAILS SEE DWG. E03
5. FOR CIVIL ENLARGED PLAN AND DETAILS OF THIS AREA SEE DWG. S-3
6. * DENOTES EMBEDDED CONDUIT SPACING BASED ON INSTALLATION USING SNAP-LOC SPACERS. DIMENSION MAY VARY IF AN ALTERNATE INSTALLATION METHOD IS USED. CONTRACTOR MUST MAINTAIN A 3" SEPARATION BETWEEN DUCTS.

Last Edit: May. 05, 2008

SEAN R. MARSHALL DATE
No. PE-040648-E

PREPARED BY:
ORBITAL ENGINEERING, INC
1344 5TH AVE.
PITTSBURGH, PA 15219

PREPARED FOR:
THE PENNSYLVANIA TURNPIKE COMMISSION

PENNA TURNPIKE

NO.	REVISIONS	DATE	APPR.
C	FOR REVIEW	05/02/08	
B	FOR FINAL REVIEW	03/13/08	
A	FOR APPROVAL	11/21/07	

CONTRACT NUMBER
PROJECT NUMBER:
FILE NAME:
DRAWING TYPE: ELECTRICAL
STRUCTURE NUMBER:
SCALE: 3/16"=1'-0"

MON/FAYETTE EXPRESSWAY
MILEPOST M19.49 NB ACCOUNT No. 07-017-RCSB
REDSTONE MICROWAVE TOWER
GROUNDING AND EMBEDDED CONDUIT PLAN

DISTRICT: 1 COUNTY: FAYETTE
TOWNSHIP / BOROUGH: REDSTONE TOWNSHIP

DRAWING: E-2 OF
SHEET: 7 OF 8

SIGN-IN SHEET

PREPROPOSAL CONFERENCE RFP #08-10350-3618

DATE: May 12, 2008

TIME: 11:30 AM

	COMPANY NAME	REP NAME	ADDRESS	PHONE	EMAIL
1	IB Abel, Inc	Kevin Schnetzka	620 Edgar St York PA 17403	(717) 845-1639	Kschnetzka@ib-abel.com
2	Tel-Power Inc	Bill Bottenfield	RR4 Box 625 Hollidaysburg	814 695-3874	
3	TEL-POWER INC	TED LYKENS	RR 4 Box 625 Hollidaysburg, PA	814 695 3874	TPTed@ATlanticbbn.net
4	Henkels & McCoy Inc	ARCHIE MURRAY	PoBox 1742 YORK PA 17405	717 266 5641	amurray@henkels.com
5	BAKER ENGINEERS	PAUL CARVER	5351 RT 8 GIBSONIA PA 15044	724-443-7999	PCARVER@BAKERCORP.COM
6	TCMS - MAGUIRE	Dale Rosinski		724-437-7281	drosinski@trumbullcorp.com
7	PTC	Mike Houser		724-755-5176	mhouser@paturnpike.com
8	TCMS - MAGUIRE	CHAD BASINGER	LEMONT FURNACE	724-477-7291	CBASINGER @MAGUIRE GRUP.com
9	TCMS - Maguire	TONY CIARICO	1190 Connellsville Rd, Lemont Furnace	724-437-7281	tciarico@trumbullcorp.com
10	TRANSCORE	ALAN RCDD GIWELL	7611 DERRY ST. HBG, PA 17111	717-561-5828	ALAN.GIWELL@TRANSCORE.com
11	Corl Communications	Barbara Nurk	3697 Derry St Hbg PA 17111	717-350-2421	barbara.nurk@corlcommunications.com
12	BRUCE & MERRILEES ELECTRIC COMPANY	JOHN STEWART	930 CASS STREET / NEW CASTLE, PA 16101	724-652-5566	JSTEWART@BRUCEANDMERRILEES.COM
13					
14					
15					