
ADDENDUM NO. 1

Date: May 29, 2015

Project Name: Citywalk – Forest Lake Section – Fiber/Cabling Infrastructure System and Termination Hardware for the City of Tuscaloosa

City Project Number: A15-0551
WA Project Number: 12-101

This addendum to drawings and contract documents dated April 7, 2015 and any previous addenda for the above referenced project supersedes all contrary and conflicting information contained in said drawings, specifications and addenda. Said drawings, specifications and addenda are hereby amended in the following particulars that are in full force as part of this contract.

Bidders shall acknowledge receipt of this addendum on their bid.

ITEM NO. 1 – PRE-BID MEETING:

A mandatory pre-bid meeting was held at 10:00 a.m. on Thursday, May 21, 2015. The agenda meeting minutes (including electronic document release form) and sign-in sheet are attached.

ITEM NO. 2 – CONTRACTOR QUESTIONS:

1. Are the 5"x5"x3" boxes installed or will they need to be included in the project? *They are not currently installed. The 5"x5"x3" boxes at the Wireless Access Point Locations are to be installed under the current contract under construction by a separate contractor. The 5"x5"x3" boxes at the Camera Locations are to be installed under this bid/contract.*
2. What is the preferred termination method? *LC Connectors shall be used at the termination points per the plans and specs.*

ITEM NO. 3 – TIME OF COMPLETION CLARIFICATION:

Page 29 of the Contract Documents have been revised to reflect 120 days for the time for completion. Updated page 29 is attached as part of this addendum.

ITEM NO. 4 – REVISION TO SHEET TD-02 and TD-06:

Note 7 has been revised and clarification of work to include installation of conduit and innerducts which are noted on Sheet TD-02. Sheet TD-02 shall be replaced with the attached in its entirety. Work Operation 57D has been deleted for clarification which is noted on Sheet TD-06. Sheet TD-06 shall be replaced with the attached in its entirety.

CONTINUED ON NEXT PAGE

ITEM NO. 5 – BID PROPOSAL FORM & SCHEDULE OF VALUES:

1. Sheets 15, 15A, 15B, shall be replaced with the attached. Sheet 15C has been added to the Contract Documents. Revisions/Clarifications are as follows:
 - a. Sheet 15 was revised to direct Bidders to the Schedule of Values and Bid Proposal Form.
 - b. Sheets 15A and 15B were revised to expand descriptions that were previously hidden.
 - c. Sheet 15C is the Bid Proposal Form and shall be used to submit the Lump Sum Bid Amounts for the Base Bid and Alternate No. 1. The Base Bid is identified as ITEM #1/Phase 1 and Alternate No. 1 is identified as ITEM #2/Phase 2.

ITEM NO. 6 – DETERMINATION OF PAY QUANTITIES:

Section 1800 – Determination of Pay Quantities has been added to the Technical Specifications.

END OF ADDENDUM NO. 1



Christian D. Crawford, P.E.
Alabama Registration No. 31597



**CITYWALK – FOREST LAKE SECTION – FIBER/CABLING INFRASTRUCTURE SYSTEM
AND TERMINATION HARDWARE
TUSCALOOSA CITY HALL
NARASHINO ROOM**

**CITY OF TUSCALOOSA PROJECT NO. A15-0551
WALKER ASSOCIATES PROJECT NO. 12-101**

PRE-BID AGENDA

Thursday, May 21, 2015, 10:00 a.m. CST

General:

- Welcome (Please Silence all Radios and Phones)
- Pre-Bid Conference is **MANDATORY** for all Bidders; Sign-In Sheet (Complete for Record) will be included with Addendum No. 1. Be sure to legibly write email address as all Addenda will be issued electronically via email.
- Name and Location of Project: Citywalk – Forest Lake Section – Fiber/Cabling Infrastructure System and Termination Hardware. Along the Citywalk from 2nd Court to 15th Street.
- Introduce Owner and Owner’s Representatives (City of Tuscaloosa, Walker Associates, TALA Professional Services)

Project Summary:

- Overall Summary of the Project: Project includes placement of an Optical Fiber Backbone Cabling Network/ Feeder and Distribution System as well as all Category-6 station cabling facilities. The facility network is to support an overall technology scheme for the Forest lake CityWalk Section. The respective fiber network will be installed in an existing conduit pathway system. The Fiber Network work shall include singlemode 288/ 144/ 6 strand fiber, enclosure panels/cabinets, fiber splicing, fiber termination and all testing. The Category-6 station cabling facilities work shall include CAT6 CMR and OSP cabling, termination panels/jacks, terminations, and all testing. Contractor shall be responsible for all work, scheduling and coordination.
- Contract Documents (City of Tuscaloosa Contract Documents with Federal Supplemental Documents Housing and Urban Development (HUD). Review Federal Supplementals in the Contract Documents for any and all additional requirements.
- Davis-Bacon Wage Rates apply as per the Federal Supplemental Documents.
- Contractors are encouraged to utilize minority subcontractors where applicable. The City of Tuscaloosa maintains a database which identifies eligible minority contractors and subcontractors.
- The contractor shall pay special attention to Exhibit A – City of Tuscaloosa MBE/DBE/WBE Policy for Public Works Projects over \$50,000. Forms 1 & 2 included as part of Exhibit A must be completed and submitted to the Engineer by close of business (5:00pm CST on May 21, 2015). These forms are attached to this agenda and could be completed and returned before leaving this meeting. Forms 3 & 4 must be completed and included with the Contractor’s sealed bids. Omission of these forms could result in the bid being rejected and determined as non-responsive.
- The Contractor shall be required to comply with the Alabama Immigration Law and provide certification of the same by completing the sworn affidavit provided in the contract documents. This form is also required for all Subcontractors.
- Contract Documents: Drawings and Specifications are available for pickup at Walker Associates, Inc.

- Sales and Use Tax Savings: The project will be administered in compliance with the State of Alabama Act 2013-205, Certificate of Exemption from Sales and Use Tax for Governmental Entities, regarding sales and use taxes. The Contractor shall be responsible for obtaining a certificate of exemption from the Alabama Department of Revenue for purchases of materials and other tangible property made part of the project. Any subcontractors purchasing materials or other tangible personal property as part of the project shall also be responsible for obtaining a certificate of exemption. The estimate sales and use tax saving must be accounted for on the bid proposal. Failure to provide the estimated sales and use tax savings may render the bid as non-responsive. Other than determining responsiveness of the bid, sales and use tax accounting shall not affect the bid pricing nor shall be considered in the determination of the lowest responsible and responsive bidder

Receipt of Bids:

- Bids shall be received Thursday, June 11, 2015 at 2:00 p.m. CST at the Tuscaloosa City Hall in the Narashino Room.
- Proposal Form and Schedule of Values and receipt of all addenda (submit one copy with bid)
- Bid Bond with Power of Attorney
- Exhibit A - MBE/DBE/WBE Policy Forms 3 & 4
- Proposal Envelope must have Project Name, Owner Name, City of Tuscaloosa Project Number (A15-0551), Contractor Name, and Contractor State License Number on outside of envelope.

Contractual Requirements:

- Payment and Performance Bonds will be required for this project.
- **Construction Observation Services** will be provided by the Owner full time and performed by Walker Associates, Inc. and TALA Professional Services.
- Time for Completion will be 120 consecutive calendar days.
- Liquidated Damages Amount: \$200.00 per day beyond the stated completion date.
- Record Drawings are required and are considered a subsidiary obligation to the Performance of the Work. The Contractor shall coordinate any deviation from the plans with the Owner's Representative and provide red line drawings during the closeout phase of the project.
- Lump Sum Contract with provided Schedule of Values: Schedule of Values can be found in the Contract Documents and must be completed and submitted with lump sum bid amount. Upon request by the Contractor, an electronic copy of the schedule of values can be provided. The Contractor shall be required to sign & submit an electronic release form. This form is attached to the prebid agenda & will also be included with Addendum No. 1.

Project Coordination:

- Scheduling with Tuscaloosa Department of Transportation will be required for traffic control. The Contractor is to prepare and submit to Owner's Representative a detailed traffic control plan for any lane closures in advance of proposed work requiring closure. TCP will be reviewed by the Owner's Representative then shall be submitted to OCE and TDOT for approval prior to implementation of TCP and start of associated work. The Contractor shall at minimum plan on a one (1) week review period and time to address comments.
- Public/Private Residence and Vehicle Access: Contractor must maintain access to all existing business or residences. Any work which will affect access for these people shall be coordinated so alternate access is provided as needed. A minimum of 7-days notice is required and should be done in writing to those affected. A copy of the notification shall be provided to the Owner's Representative.
- Progress and Coordination Meetings: Progress and Coordination meetings will be required for the project. Time and frequency of these meeting will be determined prior to construction and as the project progresses.

Project Conditions:

- Construction Project Area – Defined by limits of work shown in plans.
- Security at Site – No on-site security provided, recommend contractor secure equipment at end of work day. (The Contractor may use temporary construction fencing as necessary to protect their equipment and materials.)
- Job Site Offices and Safety for the project are the Contractor's responsibility.

Miscellaneous:

- Clarification Requests **WILL NOT** be accepted after Tuesday, June 9th at 5:00 p.m. All questions and clarification request shall be submitted in writing to the Project Designer/Engineer on or before this date and time.
- Material Submittals: If hard copies are provided, they shall be 3 ring bound – No Exceptions. Electronic copies of material submittals will be accepted and are preferred. Electronic submittals shall include transmittal summarizing items covered with respective material submittal.
- Lead Time on Material Items: Coordinate with all subs regarding material lead time. Material delays will not be a valid excuse for project delays or failure to complete on time.
- Pay Applications (Review and Submittal): Upon submittal of pay request, the Owner's Representative has 10 days to review pay application. Preferred method of pay application submittal process would be to meet on a predetermined percentage of work complete at the billing cycle cut-off date to review and agree upon the percentage for that month's pay application. The Contractor will then prepare the pay application and all required supporting documentation (certified payroll, stored materials, etc.) and submit to Owner's Representative. If all required items are not submitted then the pay application will be returned for corrections. Upon receipt of a completed, approved pay application, it will then be forwarded to the City for final approval and processing.
- There will be an OPTIONAL walk-thru the project site immediately following the Pre-Bid Meeting for anyone interested.

Proposed Addenda:**Addendum No. 1 (Currently not issued):**

- Pre-Bid Agenda Meeting Minutes & Sign-In Sheet
- Phase1/Item1 and Phase2/Item 2 Work Clarification
- Correction of Time as noted in Article III of the Contract Documents
- Clarification of work on Sheet TD-02.

Questions/Comments:

Form 1 (one page)
Documentation Statement and Acknowledgement

**(Due no later than seven (7) days prior to the bid, or at the pre-bid
conference, whichever is earlier)**

PROJECT NAME: CITYWALK – FOREST LAKE SECTION – FIBER /CABLING INFRASTRUCTURE
SYSTEM AND TERMINATION HARDWARE

The City of Tuscaloosa has adopted a program to encourage the participation of Minority Business Enterprises/Disadvantaged Business Enterprises (MBE/DBE/WBE) on its public works construction projects. The signed statement serves as a commitment by the undersigned company to comply with this program as outlined by the City, relative to the involvement of MBE/DBE/WBE firm in City guidelines.

The undersigned Company will adhere to City program guidelines set forth to utilize MBE/DBE/WBE businesses in all construction projects, and all program forms (1-8) have been reviewed and understood.

Company Representative (Signature)

Date

Company Representative (Printed)

Title

Company Name

Telephone Number

City, State, Zip

Fax Number

Form 2 (6 pages)
Bid Solicitation Notice

**(Due no later than seven (7) days prior to the bid, or at the pre-bid
Conference, whichever is earlier)**

BID DATA

1. GENERAL CONTRACTOR: _____

ADDRESS: _____

CONTACT (S): _____

PHONE: _____

FAX: _____

E-MAIL: _____

2. OWNER: _____

3. NAME OF PROJECT: CITYWALK – FOREST LAKE SECTION – FIBER / CABLING
INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE

4. SCHEDULE PRE-BID MEETING

DATE/TIME: _____

LOCATION: _____

5. DATE/TIME FOR RECEIPT OF BIDS: _____

6. SCHEDULE BID OPENING

DATE/TIME: _____

LOCATION: _____

7. ESTIMATED JOB START DATE: _____

8. ESTIMATED COMPLETION DATE: _____

PROJECT: _____

LOCATION: _____

BID DATE: _____

GENERAL CONTRACTOR CONTACT:

NAME _____

ADDRESS: _____

TELEPHONE: () _____

FAX: () _____

EMAIL: () _____

DEADLINE FOR PROPOSALS

DATE/TIME _____

* Estimated Contract Opportunity Value:
{1} 0-25,000 {2} 25,000-50,000 {3} 50,000-100,000 {4}
100,000 - 500,000 {5} over 500,000

DIVISION 02 – EXISTING CONDITIONS
{1} {2} {3} {4} {5} *

- 02 21 SURVEYS
- 02 32 GEOTECHNICAL INVESTIGATIONS
- 02 41 DEMOLITION
- 02 42 REMOVAL and SALVAGE of CONSTRUCTION MATERIALS
- 02 43 STRUCTURE MOVING
- 02 56 SITE CONTAINMENT
- 02 85 UNDERGROUND STORAGE TANK REMOVAL
- 02 81 TRANSPORTATION and DISPOSAL of HAZARDOUS MATERIALS
- 02 82 ASBESTOS REMEDIATION
- 02 83 LEAD REMEDIATION
- 02 85 MOLD REMEDIATION
- 02 91 CHEMICAL SAMPLING, TESTING and ANALYSIS

02 _____
(Please fill-in other opportunity)

DIVISION 3 - CONCRETE {1} {2} {3} {4} {5}

- 03 01 MAINTENANCE OF CONCRETE
- 03 11 CONCRETE FORMING
- 03 15 CONCRETE ACCESSORIES
- 03 21 REINFORCING STEEL
- 03 22 WELDED WIRE FABRIC REINFORCING

- 03 30 CAST-IN-PLACE CONCRETE
- 03 31 STRUCTURAL CONCRETE
- 03 35 CONCRETE FINISHING
- 03 37 SPECIALTY PLACED CONCRETE
- 03 39 CONCRETE CURING
- 03 41 PRECAST STRUCTURAL CONCRETE
- 03 46 PRECAST ARCHITECTURAL CONCRETE
- 03 47 SITE-CAST CONCRETE
- 03 62 NON-SHRINK GROUTING
- 03 63 EPOXY GROUTING
- 03 81 CONCRETE CUTTING
- 03 82 CONCRETE BORING
- 03 _____

(Please fill-in for other opportunity)

DIVISION 4 - MASONRY {1} {2} {3} {4} {5}

- 04 21 CLAY UNIT MASONRY
- 04 22 CONCRETE UNIT MASONRY
- 04 25 UNIT MASONRY PANELS
- 04 30 MULTIPLE-WYTHE MASONRY
- 04 43 STONE MASONRY
- 04 67 MASONRY FIREPLACES
- 04 71 MANUFACTURED BRICK MASONRY
- 04 73 MANUFACTURED STONE MASONRY
- 04 _____

(Please fill-in for other opportunity)

DIVISION 5 - METALS {1} {2} {3} {4} {5}

- 05 12 STRUCTURAL STEEL FRAMING
- 05 14 STRUCTURAL ALUMINUM FRAMING
- 05 15 WIRE ROPE ASSEMBLIES
- 05 21 STEEL JOIST FRAMING
- 05 31 STEEL DECKING
- 05 35 RACEWAY DECKING ASSEMBLIES
- 05 41 STRUCTURAL METAL STUD FRAMING
- 05 42 COLD-FORMED METAL JOIST FRAMING
- 05 44 COLD-FORMED METAL TRUSSES
- 05 61 METAL STAIRS
- 05 62 METAL RAILINGS
- 05 63 METAL GRATINGS
- 05 65 METAL STAIR TREADS & NOSING
- 05 68 METAL CASTINGS
- 05 68 FORMED METAL FABRICATIONS
- 05 71 DECORATIVE METAL STAIRS
- 05 73 DECORATIVE METAL RAILINGS
- 05 75 DECORATIVE FORMED METAL
- 05 _____

(Please fill-in for other opportunity)

DIVISION 6 – WOODS, PLASTICS & COMPOSITES
{1} {2} {3} {4} {5}

- 06 11 WOOD FRAMING

- 06 12 STRUCTURAL PANELS
 - 06 15 WOOD DECKING
 - 06 16 SHEATING
 - 06 17 SHOP FABRICATED STRUCTURAL WOOD
 - 06 22 MILLWORK
 - 06 25 PREFINISHED PANEL
 - 06 26 PANELING
 - 06 43 WOOD STAIRS & RAILINGS
 - 06 44 ORNAMENTAL WOODWORK
 - 06 48 WOOD FRAMES
 - 06 _____
- (Please fill-in for other opportunity)

DIVISION 7 – THERMAL & MOISTURE PROTECTION

- {1} {2} {3} {4} {5}
 - 07 11 DAMPPROOFING
 - 07 12 BUILT-UP BITUMINOUS WATERPROOFING
 - 07 13 SHEET WATERPROOFING
 - 07 16 CEMENTIOUS & REACTIVE WATERPROOFING
 - 07 19 WATER REPELLANTS
 - 07 21 THERMAL INSULATION
 - 07 22 ROOF & DECK INSULATION
 - 07 24 EXTERIOR INSULATION & FINISH SYSTEMS
 - 07 25 WEATHER BARRIERS
 - 07 26 VAPOR RETARDERS
 - 07 31 SHINGLES & SHAKES
 - 07 32 ROOF TILES
 - 07 33 NATURAL ROOF COVERINGS
 - 07 41 ROOF PANELS
 - 07 42 WALL PANELS
 - 07 46 SIDING
 - 07 51 BUILT-UP BITUMINOUS ROOFING
 - 07 52 MODIFIED BITUMINOUS MEMBRANE ROOFING
 - 07 53 ELASTOMETRIC MEMBRANE ROOFING
 - 07 54 THERMOPLASTIC MEMBRANE ROOFING
 - 07 56 FLUID APPLIED ROOFING
 - 07 58 ROLL ROOFING
 - 07 61 SHEET METAL ROOFING
 - 07 65 FLEXIBLE FLASHING
 - 07 71 ROOF SPECIALTIES
 - 07 72 ROOF ACCESSORIES
 - 07 81 APPLIED FIREPROOFING
 - 07 84 FIRESTOPPING
 - 07 91 PREFORMED JOINT SEALS
 - 07 92 JOINT SEALANTS
 - 07 95 EXPANSION CONTROL
 - 07 _____
- (Please fill-in for other opportunity)

DIVISION 8 - OPENINGS {1} {2} {3} {4} {5}

- 08 11 METAL DOORS & FRAMES
 - 08 12 METAL FRAMES
 - 08 13 METAL DOORS
 - 08 14 WOOD DOORS
 - 08 16 COMPOSITE DOORS
 - 08 17 INTEGRATED DOOR OPENING ASSEMBLIES
 - 08 31 ACCESS DOORS & PANELS
 - 08 32 SLIDING GLASS DOORS
 - 08 33 COILING DOORS & GRILLES
 - 08 34 SPECIAL FUNCTION DOORS
 - 08 36 PANEL DOORS
 - 08 38 TRAFFIC DOORS
 - 08 41 ENTRANCES & STOREFRONTS
 - 08 42 ENTRANCES
 - 08 43 STOREFRONTS
 - 08 44 CURTAIN WALL & GLAZED ASSEMBLIES
 - 08 51 METAL WINDOWS
 - 08 52 WOOD WINDOWS
 - 08 53 PLASTIC WINDOWS
 - 08 54 COMPOSITE WINDOWS
 - 08 56 SPECIAL FUNCTION WINDOWS
 - 08 62 UNIT SKYLIGHTS
 - 08 63 METAL-FRAMED SKYLIGHTS
 - 08 71 DOOR HARDWARE
 - 08 74 ACCESS CONTROL HARDWARE
 - 08 75 WINDOW HARDWARE
 - 08 79 HARDWARE ACCESSORIES
 - 08 81 GLASS GLAZING
 - 08 83 MIRRORS
 - 08 84 PLASTIC GLAZING
 - 08 88 SPECIAL FUNCTION GLAZING
 - 08 91 LOUVERS
 - 08 95 VENTS
 - 08 _____
- (Please fill-in for other opportunity)

DIVISION 9 - FINISHES {1} {2} {3} {4} {5}

- 09 21 PLASTER & GYPSUM ASSEMBLIES
- 09 22 SUPPORTS FOR PLASTER & GYPSUM
- 09 23 GYPSUM PLASTERING
- 09 24 CEMENT PLASTERING
- 09 26 VENEER PLASTERING
- 09 28 BACKING S & UNDERLAYMENTS
- 09 29 GYPSUM
- 09 30 TILING
- 09 51 ACOUSTICAL CEILINGS
- 09 54 SPECIALTY CEILINGS
- 09 62 SPECIALTY FLOORING
- 09 63 MASONRY FLOORING
- 09 64 WOOD FLOORING

- 09 65 RESILIENT FLOORING
- 09 66 TERRAZZO FLOORING
- 09 68 CARPETING
- 09 72 WALL COVERINGS
- 09 77 SPECIAL WALL SURFACING
- 09 91 PAINTING
- 09 93 STAINING & TRANSPARENT FINISHING
- 09 96 HIGH PERFORMANCE COATINGS
- 09 97 SPECIAL COATINGS
- 09 _____

(Please fill-in for other opportunity)

DIVISION 10 - SPECIALTIES {1} {2} {3} {4} {5}

- 10 11 VISUAL DISPLAY UNITS
- 10 14 SIGNAGE
- 10 22 PARTITIONS
- 10 26 WALL & DOOR PROTECTION
- 10 28 TOILET, BATH & LAUNDRY ACCESSORIES
- 10 44 FIRE PROTECTION SPECIALTIES
- 10 51 LOCKERS
- 10 71 EXTERIOR PROTECTION
- 10 74 MANUFACTURED EXTERIOR SPECIALTIES
- 10 75 FLAGPOLES
- 10 81 PEST CONTROL DEVICES
- 10 88 SCALES
- 10 _____

(Please fill-in for other opportunity)

DIVISION 11 - EQUIPMENT {1} {2} {3} {4} {5}

- 11 11 VEHICLE SERVICE EQUIPMENT
- 11 12 PARKING CONTROL EQUIPMENT
- 11 13 LOADING DOCK EQUIPMENT
- 11 14 PEDESTRIAN CONTROL EQUIPMENT
- 11 24 MAINTENANCE EQUIPMENT
- 11 31 RESIDENTIAL APPLIANCES
- 11 33 RETRACTABLE STAIRS
- 11 41 FOODSERVICE STORAGE EQUIPMENT
- 11 42 FOOD PREPARATION EQUIPMENT
- 11 43 FOOD DELIVERY CARTS AND CONVEYORS
- 11 44 FOOD COOKING EQUIPMENT
- 11 46 FOOD DISPENSING EQUIPMENT
- 11 47 ICE MACHINES
- 11 48 CLEANING & DISPOSAL EQUIPMENT
- 11 52 AUDIO-VISUAL EQUIPMENT
- 11 53 LABORATORY EQUIPMENT
- 11 66 ATHLETIC EQUIPMENT
- 11 67 RECREATIONAL EQUIPMENT
- 11 82 SOLID WASTE HANDLING
- 11 _____

(Please fill-in for other opportunity)

DIVISION 12 - FURNISHINGS {1} {2} {3} {4} {5}

- 12 21 WINDOW BLINDS
- 12 22 CURTAINS & DRAPES
- 12 23 INTERIOR SHUTTERS
- 12 24 WINDOW SHADES
- 12 32 MANUFACTURED CASEWORK
- 12 35 SPECIALTY CASEWORK
- 12 36 COUNTERTOPS
- 12 46 FURNISHING ACCESSORIES
- 12 48 RUGS & MATS
- 12 51 OFFICE FURNITURE
- 12 52 SEATING
- 12 54 HOSPITALITY FURNITURE
- 12 56 INSTITUTIONAL FURNITURE
- 12 61 FIXED AUDIENCE SEATING
- 12 63 STADIUM & ARENA SEATING
- 12 67 PEWS & BENCHES
- 12 92 INTERIOR PLANTERS & ARTIFICIAL PLANTS
- 12 93 SITE FURNISHINGS
- 12 _____

(Please fill-in for other opportunity)

DIVISION 13 - SPECIAL CONSTRUCTION {1} {2} {3} {4} {5}

- 13 11 SWIMMING POOLS
- 13 17 TUBS & POOLS
- 13 18 ICE RINKS
- 13 21 CONTROLLED ENVIRONMENT ROOMS
- 13 24 SPECIAL ACTIVITY ROOMS
- 13 28 ATHLETIC & RECREATIONAL SPECIAL CONSTRUCTION
- 13 31 FABRIC STRUCTURES
- 13 34 FABRICATED ENGINEERED STRUCTURES
- 13 36 TOWERS
- 13 42 BUILDING MODULES
- 13 48 SOUND, VIBRATION, & SEISMIC CONTROL
- 13 49 RADIATION PROTECTION
- 13 _____

(Please fill-in for other opportunity)

DIVISION 14 - CONVEYING SYSTEMS {1} {2} {3} {4} {5}

- 14 11 MANUAL DUMBWAITERS
- 14 12 ELECTRIC DUMBWAITERS
- 14 21 ELECTRIC TRACTION ELEVATORS
- 14 24 HYDRAULIC ELEVATORS
- 14 27 CUSTOM ELEVATOR CABS & DOORS
- 14 28 ELEVATOR EQUIPMENT & CONTROLS
- 14 31 ESCALATORS

- 14 32 MOVING WALKS
- 14 42 WHEELCHAIR LIFTS
- 14 51 CORRESPONDENCE & PARCEL LIFTS
- 14 91 FACILITY CHUTES
- 14 92 PNEUMATIC TUBE SYSTEMS
- 14 _____

(Please fill-in for other opportunity)

DIVISION 21 –FIRE SUPPRESSION {1} {2} {3} {4} {5}

- 21 11 FIRE-SUPPRESSION WATER SERVICE PIPING &METHODS
- 21 12 FIRE SUPPRESSION STANDPIPES
- 21 13 FIRE SUPPRESSION SPRINKLER SYSTEMS
- 21 21 CARBON-DIOXIDE FIRE EXTINGUISHING SYSTEMS
- 21 22 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS
- 21 31 CENTIFUGAL FIRE PUMPS
- 21 _____

(Please fill-in for other opportunity)

DIVISION 22-PLUMBING {1} {2} {3} {4} {5}

- 22 07 PLUMBING INSULATION
- 22 11 FACILITY WATER DISTRIBUTION
- 22 13 FACILITY SANITARY SEWERAGE
- 22 14 FACILITY STORM DRAINAGE
- 22 41 COMMERCIAL PLUMBING FIXTURE
- 22 42 COMMERCIAL PLUMBING FIXTURES
- 22 45 EMERGENCY PLUMBING FIXTURES
- 22 47 DRINKING FOUNTAINS & WATER COOLERS
- 22 51 SWIMMING POOL PLUMBING SYSTEMS
- 22 66 CHEMICAL-WASTE SYSTEMS FOR LAB & HEALTHCARE FACILITIES
- 22 _____

(Please fill-in for other opportunity)

DIVISION 23-HEATING VENTILATION AIR CONDITIONING {1} {2} {3} {4} {5}

- 23 07 HVAC INSULATION
- 23 09 INSTRUMENTATION & CONTROL FOR HVAC
- 23 13 FACILITY FUEL-STORAGE TANKS
- 23 21 HYDRONIC PIPING & PUMPS
- 23 22 STEAM & CONDENSATE PIPING & PUMPS
- 23 31 HVAC DUCTS & CASINGS
- 23 33 AIR DUCT ACCESSORIES
- 23 34 HVAC FANS
- 23 37 AIR OUTLETS & INLETS
- 23 38 VENTILATION HOODS

- 23 41 PARTICULATE AIR FILTRATION
- 23 52 HEATING BOILERS
- 23 54 FURNACES
- 23 56 SOLAR ENERGY HEATING EQUIP.
- 23 57 HEAT EXCHANGES FOR HVAC
- 23 62 PACKAGED COMPRESSOR & CONDENSOR UNITS
- 23 63 REFRIGERANT CONDENSORS
- 23 64 PACKAGED WATER CHILLERS
- 23 65 COOLING TOWERS
- 23 73 INDOOR CENTRAL-STATION AIR-HANDLING UNITS
- 23 74 PACKAGED OUTDOOR HVAC EQUIP
- 23 82 CONVECTION HEATING & COOLING UNITS
- 23 84 HUMIDITY CONTROL EQUIPMENT
- 23 _____

(Please fill-in for other opportunity)

DIVISION 26-ELECTRICAL {1} {2} {3} {4} {5} FOR ELECTRICAL SYSTEMS

- 26 09 INSTRUMENTATION & CONTROL FOR ELECTRICAL SYSTEMS
- 26 12 MEDIUM VOLTAGE TRANSFORMERS
- 26 22 LOW VOLTAGE TRANSFORMERS
- 26 24 SWITCHES & PANELS
- 26 25 ENCLOSED BUS ASSEMBLIES
- 26 27 LOW VOLTAGE DISTRIBUTION EQUIPMENT
- 26 28 LOW VOLTAGE CIRCUIT PROTECTIVE DEVICES
- 26 29 LOW VOLTAGE CONTROLLERS
- 26 32 PACKAGED GENERATOR ASSEMBLIES
- 26 35 POWER FILTERS & CONDITIONERS
- 26 42 CATHODIC PROTECTION
- 26 51 INTERIOR LIGHTING
- 26 52 EMERGENCY LIGHTING
- 26 53 EXIT SIGNS
- 26 54 CLASSIFIED LOCATION LIGHTING
- 26 55 SPECIAL PURPOSE LIGHTING
- 26 56 EXTERIOR LIGHTING
- 26 61 LIGHTING SYSTEMS & ACCESSORIES
- 26 71 ELECTRICAL MACHINES
- 26 _____

(Please fill-in for other opportunity)

COMMUNICATIONS- 27 {1} {2} {3} {4} {5}

- 27 13 COMMUNICATIONS BACKBONE CABLING
- 27 41 AUDIO-VIDEO SYSTEMS
- 27 51 DISTRIBUTED AUDIO VIDEO
- 27 52 HEALTHCARE COMMUNICATIONS & MONITORING SYSTEMS
- 27 53 DISTRIBUTED SYSTEMS

27 _____
(Please fill-in for other opportunity)

ELECTRONIC SAFETY & SECURITY- 28 {1} {2} {3} {4} {5}

- 28 13 COMMUNICATIONS BACKBONE CABLING
- 28 16 INTRUSION DETECTION
- 28 23 VIDEO SURVEILLANCE
- 28 31 FIRE DETECTION
- 28 33 FUEL-GAS DETECTION
- 28 39 MASS NOTIFICATION SYSTEMS
- 28 _____
(Please fill-in for other opportunity)

EARTHWORK-31 {1} {2} {3} {4} {5}

- 31 06 SCHEDULES FOR EARTHWORK
- 31 11 CLEARING & GRUBBING
- 31 13 SELECTIVE TREE & SHRUB REMOVAL & TRIMMING
- 31 14 EARTH STRIPPING & STOCKPILING
- 31 22 GRADING
- 31 23 EXCAVATION & FILL
- 31 25 EROSION & SEDIMENTATION
- 31 31 SOIL TREATMENT
- 31 32 SOIL STABILIZATION
- 31 33 ROCK STABILIZATION
- 31 36 GABIONS
- 31 37 RIPRAP
- 31 41 SHORING
- 31 43 CONCRETE RAISING
- 31 45 VIBROFLORATION & DENSIFICATION
- 31 46 NEEDLE BEAMS
- 31 48 UNDERPINNING
- 31 52 COFFERDAMS
- 31 56 SHURRY WALLS
- 31 62 DRIVEN PILES
- 31 63 BORED PILES
- 31 _____
(Please fill-in for other opportunity)

EXTERIOR IMPROVEMENTS- 32 {1} {2} {3} {4} {5}

- 32 11 BASE COURSES
- 32 12 FLEXIBLE PAVING
- 32 13 RIGID PAVING
- 32 16 CURBS, GUTTERS SIDEWALKS & DRIVEWAYS
- 32 17 PAVING SPECIALTIES
- 32 18 ATHLETIC & RECREATIONAL SURFACING
- 32 31 FENCES & GATES
- 32 32 RETAINING WALLS
- 32 34 FABRICATED BRIDGES
- 32 35 SCREENING DEVICES
- 32 84 PLANTING IRRIGATION
- 32 91 PLANTING PREPARATION
- 32 92 TURF & GRASSES

- 32 93 PLANTS
- 32 94 PLANTING ACCESSORIES
- 32 96 TRANSPLANTING
- 32 _____
(Please fill-in for other opportunity)

UTILITIES-33 {1} {2} {3} {4} {5}

- 33 11 WATER UTILITY DISTRIBUTION PIPING
- 33 12 WATER UTILITY DISTRIBUTION EQUIPMENT
- 33 16 WATER UTILITY STORAGE TANKS
- 33 21 WATER SUPPLY WELLS
- 33 31 SANITARY UTILITY SEWERAGE PIPING
- 33 36 UTILITY SEPTIC TANKS
- 33 41 STORM UTILITY DRAINAGE PIPING
- 33 42 CULVERTS
- 33 44 STORM UTILITY WATER DRAINS
- 33 46 SUBDRAINAGE
- 33 49 STORM DRAINAGE STRUCTURES
- 33 51 NATURAL GAS DISTRIBUTION
- 33 52 LIQUID FUEL DISTRIBUTION
- 33 71 ELECTRICAL UTILITY TRANSMISSION & DISTRIBUTION
- 33 81 COMMUNICATIONS & STRUCTURES
- 33 _____
(Please fill-in for other opportunity)

TRANSPORTATION-34 {1} {2} {3} {4} {5}

- 34 11 RAIL TRACKS
- 34 41 ROADWAY SIGNALING AND CONTROL EQUIPMENT
- 34 71 ROADWAY CONSTRUCTION
- 34 72 RAILWAY CONSTRUCTION
- 34 _____
(Please fill-in for other opportunity)

MATERIAL PROCESSING & HANDLING

- EQUIPMENT-41 {1} {2} {3} {4} {5}**
- 41 21 CONVEYORS
- 41 22 CRANES & HOISTS
- 41 _____
(Please fill-in for other opportunity)

POLLUTION CONTROL EQUIP-44 {1} {2} {3} {4} {5}

- 44 11 PARTICULATE CONTROL EQUIPMENT
- 44 _____
(Please fill-in for other opportunity)

WATER & WASTEWATER EQUIPMENT-46

- {1} {2} {3} {4} {5}**
- 46 07 PACKAGED WATER & WASTEWATER TREATMENT EQUIPMENT
- 46 _____
(Please fill-in for other opportunity)

Form 4
Contractors Submitting Bids
(Must be submitted in the contractor's sealed bid)

General Contractor: _____

Contact: _____

Name of Project: CITYWALK – FOREST LAKE SECTION – FIBER / CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE

Date Submitted: _____

<u>All MBE/DBE/WBE Firms Submitting Bids</u>	<u>Scope of Work</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

FORM 5
CONTRACTORS SUBMITTING BIDS
(Must be submitted following tentative bid award)

General Contractor: _____

Contact: _____

Name of Project: CITYWALK – FOREST LAKE SECTION – FIBER / CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE

Total Contract Amount: \$ _____

Total Amount of All Subcontractors: \$ _____

Date Submitted: _____

<u>All MBE/DBE/WBE firms to be utilized</u>	<u>Scope of Work</u>	<u>Contract Amount</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Electronic Document Release

To: Bidders
Project: City of Tuscaloosa
Citywalk – Forest Lake Section – Fiber/Cabling Infrastructure System and Termination Hardware
City of Tuscaloosa Project No.: A15-0551
Date: 05/21/2015
Document: Design Files

The delivery of this electronic data is a component of Walker Associates' instruments of service and is for the benefit of the client for whom the service has been performed. This delivery constitutes a non-exclusive, limited license for the recipient to use this electronic data for the specific purpose of responding to the clients' requirements on this project.

It is our professional opinion that this electronic data provides design, and or survey information current as of the date of its initial release. Any use of this electronic data is at the sole risk and liability of the user who retains the responsibility of meeting project requirements.

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From: 
Chris Crawford, P.E.

Company: _____

Recipient: _____

Date: _____

PRE-BID SIGN-IN SHEET
CITYWALK – FOREST LAKE SECTION – FIBER/CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE
CITY OF TUSCALOOSA PROJECT NO. A15-0551
WALKER ASSOCIATES PROJECT NO. 12-101
TUSCALOOSA CITY HALL, NARASHINO ROOM, TUSCALOOSA, ALABAMA
MAY 21, 2015, 10:00 A.M.

NAME	REPRESENTING	PHONE	FAX	E-MAIL ADDRESS
CHRIS CRAWFORD	WALKER ASSOC.	205-501-3778	205-501-3779	CCrawford@walkercivil.com
TOM ARNOLD	"	"	"	tarold@walkercivil.com
Erik Lubinger	LEK Technology	334-365-1903	334-730-1827	Erik.L@lektech.com
Bobby Lee	BRYAN ELECTRIC	256-684-4680		BL@bryanelectricalinc.com
Kyle Talley	Marathon Electrical	205-323-8500	205-323-8501	ktalley@marathonelectrical.com
Tom Bryant	NCI	77-495-0798	770-495-6220	tom.bryant@ncicabling.com
TED EATON	INC GROUP	205-254-3053	205-254-3008	TEATON@INC GROUP.NET
DERRICK DUNKIN	ONEPATH SYSTEMS	205 229 1615	678 355 0025	derrick.dunkin@onepathsystems.com
Chris Hambrie	Marathon Electrical	205-329-3414	205-323-8500	Chambrie@Marathonelectrical.com
TERRY S. WEAVER	TALA	(205) 612-4811	(205) 556-4105	WCS.TSWEAVER1@ATT.NET
LIM LEWIS	TALA Professional Svc	205-369-3406		LEWIS@TALAPRO.COM
KARI LANE	KARI-LANE	205 663 2214	205 663 2410	KARI@KARI-LANE.COM
MELISSA JONES	OCC	678-689-5084		melissa.jones@gccfiber.com
Kirby Michaels	Premier Service Co	205-752-6332	205-345-3679	Kmichaels@psc1201.com
Kristen Love	OCA	248-5140		Klove@Tuscaloosa.com

J. **Sales and Use Tax Savings:** Pursuant to the invitation for bids, sales and use taxes are not to be included in the bid. The project will be administered in compliance with the State of Alabama Act 2013-205, Certificate of Exemption from Sales and Use Tax for Governmental Entities, regarding sales and use taxes. The Contractor shall be responsible for obtaining a certificate of exemption from the Alabama Department of Revenue for purchases of materials and other tangible property made part of the project. Any subcontractors purchasing materials or other tangible personal property as part of the project shall also be responsible for obtaining a certificate of exemption. The estimate sales and use tax saving must be accounted for on the bid proposal. Failure to provide the estimated sales and use tax savings may render the bid as non-responsive. Other than determining responsiveness of the bid, sales and use tax accounting shall not affect the bid pricing nor shall be considered in the determination of the lowest responsible and responsive bidder

ARTICLE III. TIME

A. **Time for Completion/Delays:** The Contractor hereby agrees to commence work under this contract on the date to be specified in a written "Notice to Proceed" of the Engineer/Architect or thirty (30) days from the date of contract execution if no notice is issued, and to fully complete the Project within 120 consecutive calendar days thereafter. If this is a trade contract, then the Contractor shall perform within the time periods and at the times as established by the Construction Manager's approved construction schedule for the project. The Contractor further agrees to pay to the City, liquidated damages for each consecutive calendar day thereafter as hereinafter provided. Time is of the essence and a material element to this agreement.

NOTE: When maintenance periods are included in the contract for highways, bridges or similar structures, such periods shall be considered component parts of the contract. To the extent the construction schedule contains "float," the parties agree that the same belongs to the Project and may be utilized by either party.

Delay: If the Contractor is delayed at any time in the progress of work by any of the following causes, the Contractor may be entitled to a reasonable extension of time as determined by the City in which to complete the Project. Provided, however, no such delay nor the extension of time if granted shall be grounds for a claim by the Contractor for damages or for additional cost, expenses, overhead or profit or other compensation:

1. Fires, abnormal floods, tornadoes or other cataclysmic phenomenon of nature.
2. Strikes, embargoes, lockouts, war, acts of public enemy.
3. Change orders.
4. Acts of performance or delays in performance by other contractors employed by the City or their subcontractors.
5. Causes beyond the control of the Contractor.

Provided further, that the Contractor shall immediately give notice in writing to the City and follow extension of time procedures as provided for herein. The City expressly disclaims any liability to Contractor for any cost, expense or damage caused by other contractors, subcontractors or suppliers, including those engaged by the City. The City shall not be liable for damages or cost to the Contractor sustained due to any interference from utilities or appurtenances or from the operations of relocating the same.

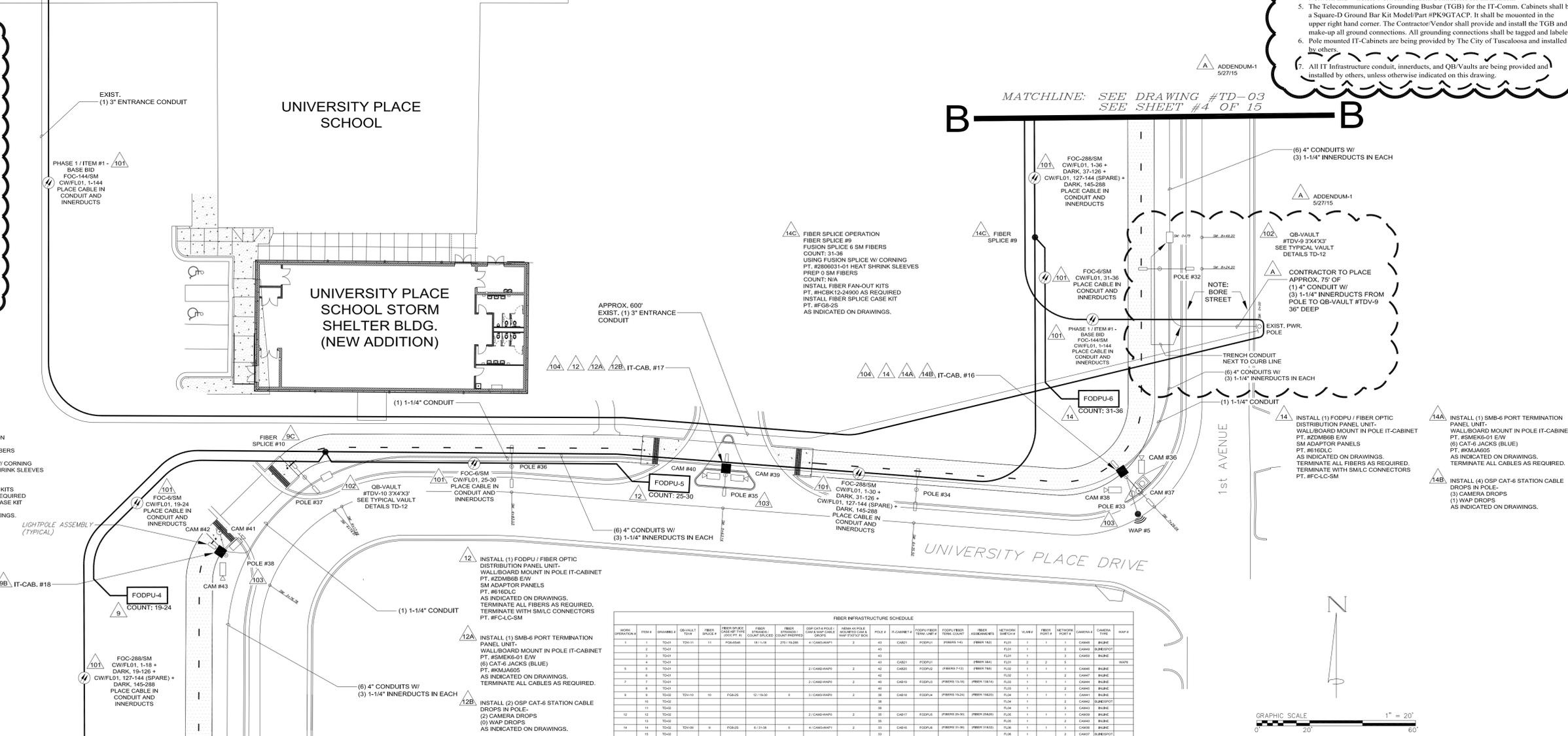
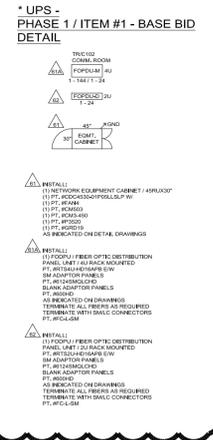
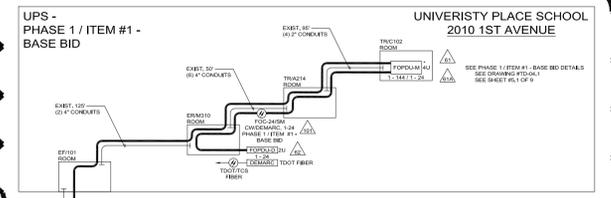
B. **Extensions of Time:** All written requests for extensions of time must be submitted to Engineer/Architect within ten (10) days after the occurrence of the cause for delay. The Engineer/Architect shall ascertain the facts and the extent of the delay and shall recommend to the City Council whether it should extend the time for completing the Project. Any extension of time shall be in writing and processed as a change order.

For change orders requesting extensions of time due to rain, wind, flood or other natural phenomenon, the Contractor's written request must be accompanied, at the City's request, by a detailed report of weather at this site

TUSCALOOSA CITY WALK PROJECT FOREST LAKE SECTION FIBER / CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE

FIBER INFRASTRUCTURE PROJECT CONTRACTOR NOTE:

- The data concerning the Construction of the Comfort Center/ IT-Comm, Building, Entrance Conduits, Station Conduits, HVAC Units, and Electrical Panel, Circuits and Receptacle/Outlet and Ground Bar, Wireless Network Controllers, Network FW/Router EOMT, AV System EOMT, Digital Signage System EOMT, Security Camera System EOMT, LED Lighting Control & Monitoring System, Network Data Switches (Fiber & Copper), Network Data Services, KVM Units, UPS/Battery Units, Alarm & Door Access Control System, and the Data Storage EOMT System that are provided on this drawing are for information purposes only.
- The placement of all these items are being installed under a separate contract.
- The Installation of all IT-Cabinets and Hardware, Fiber and LU/FO/PU's, CAT-6 Station Cable and Termination Panels, Faceplates with all Mounting Hardware are the Fiber Infrastructure- Vendor/Contractor's Responsibility.
- All Fiber and CAT-6 Patch Cords shall be provided by the Fiber Infrastructure- Vendor/Contractor. All Patch Cords will be provided to the City of Tuscaloosa, stored in the Main IT-Comm. Center for each of the City Walk Project Sections. The installation of the Patch Cords will be completed by the Data Network, Security/Camera Network and Wireless Network Vendors/Contractors for installation.
- The Telecommunications Grounding Busbar (TGB) for the IT-Comm. Cabinets shall be a Square-D Ground Bar Kit Model/Part #PK9GTACP. It shall be mounted in the upper right hand corner. The Contractor/Vendor shall provide and install the TGB and make-up all ground connections. All grounding connections shall be tagged and labeled.
- Pole mounted IT-Cabinets are being provided by the City of Tuscaloosa and installed by others.
- All IT Infrastructure conduit, innerducts, and QB/Vaults are being provided and installed by others, unless otherwise indicated on this drawing.



NO.	ITEM #	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL	DATE	STATUS	REVISIONS
1	1	TD-01	1	1	1	1	1/1/15	1	ADDENDUM-1
2	2	TD-02	1	1	1	1	1/1/15	1	ADDENDUM-1
3	3	TD-03	1	1	1	1	1/1/15	1	ADDENDUM-1
4	4	TD-04	1	1	1	1	1/1/15	1	ADDENDUM-1
5	5	TD-05	1	1	1	1	1/1/15	1	ADDENDUM-1
6	6	TD-06	1	1	1	1	1/1/15	1	ADDENDUM-1
7	7	TD-07	1	1	1	1	1/1/15	1	ADDENDUM-1
8	8	TD-08	1	1	1	1	1/1/15	1	ADDENDUM-1
9	9	TD-09	1	1	1	1	1/1/15	1	ADDENDUM-1
10	10	TD-10	1	1	1	1	1/1/15	1	ADDENDUM-1
11	11	TD-11	1	1	1	1	1/1/15	1	ADDENDUM-1
12	12	TD-12	1	1	1	1	1/1/15	1	ADDENDUM-1
13	13	TD-13	1	1	1	1	1/1/15	1	ADDENDUM-1
14	14	TD-14	1	1	1	1	1/1/15	1	ADDENDUM-1
15	15	TD-15	1	1	1	1	1/1/15	1	ADDENDUM-1
16	16	TD-16	1	1	1	1	1/1/15	1	ADDENDUM-1
17	17	TD-17	1	1	1	1	1/1/15	1	ADDENDUM-1
18	18	TD-18	1	1	1	1	1/1/15	1	ADDENDUM-1
19	19	TD-19	1	1	1	1	1/1/15	1	ADDENDUM-1
20	20	TD-20	1	1	1	1	1/1/15	1	ADDENDUM-1
21	21	TD-21	1	1	1	1	1/1/15	1	ADDENDUM-1
22	22	TD-22	1	1	1	1	1/1/15	1	ADDENDUM-1
23	23	TD-23	1	1	1	1	1/1/15	1	ADDENDUM-1
24	24	TD-24	1	1	1	1	1/1/15	1	ADDENDUM-1
25	25	TD-25	1	1	1	1	1/1/15	1	ADDENDUM-1
26	26	TD-26	1	1	1	1	1/1/15	1	ADDENDUM-1
27	27	TD-27	1	1	1	1	1/1/15	1	ADDENDUM-1
28	28	TD-28	1	1	1	1	1/1/15	1	ADDENDUM-1
29	29	TD-29	1	1	1	1	1/1/15	1	ADDENDUM-1
30	30	TD-30	1	1	1	1	1/1/15	1	ADDENDUM-1
31	31	TD-31	1	1	1	1	1/1/15	1	ADDENDUM-1
32	32	TD-32	1	1	1	1	1/1/15	1	ADDENDUM-1
33	33	TD-33	1	1	1	1	1/1/15	1	ADDENDUM-1
34	34	TD-34	1	1	1	1	1/1/15	1	ADDENDUM-1
35	35	TD-35	1	1	1	1	1/1/15	1	ADDENDUM-1
36	36	TD-36	1	1	1	1	1/1/15	1	ADDENDUM-1
37	37	TD-37	1	1	1	1	1/1/15	1	ADDENDUM-1
38	38	TD-38	1	1	1	1	1/1/15	1	ADDENDUM-1
39	39	TD-39	1	1	1	1	1/1/15	1	ADDENDUM-1
40	40	TD-40	1	1	1	1	1/1/15	1	ADDENDUM-1
41	41	TD-41	1	1	1	1	1/1/15	1	ADDENDUM-1
42	42	TD-42	1	1	1	1	1/1/15	1	ADDENDUM-1
43	43	TD-43	1	1	1	1	1/1/15	1	ADDENDUM-1
44	44	TD-44	1	1	1	1	1/1/15	1	ADDENDUM-1
45	45	TD-45	1	1	1	1	1/1/15	1	ADDENDUM-1
46	46	TD-46	1	1	1	1	1/1/15	1	ADDENDUM-1
47	47	TD-47	1	1	1	1	1/1/15	1	ADDENDUM-1
48	48	TD-48	1	1	1	1	1/1/15	1	ADDENDUM-1
49	49	TD-49	1	1	1	1	1/1/15	1	ADDENDUM-1
50	50	TD-50	1	1	1	1	1/1/15	1	ADDENDUM-1
51	51	TD-51	1	1	1	1	1/1/15	1	ADDENDUM-1
52	52	TD-52	1	1	1	1	1/1/15	1	ADDENDUM-1
53	53	TD-53	1	1	1	1	1/1/15	1	ADDENDUM-1
54	54	TD-54	1	1	1	1	1/1/15	1	ADDENDUM-1
55	55	TD-55	1	1	1	1	1/1/15	1	ADDENDUM-1
56	56	TD-56	1	1	1	1	1/1/15	1	ADDENDUM-1
57	57	TD-57	1	1	1	1	1/1/15	1	ADDENDUM-1
58	58	TD-58	1	1	1	1	1/1/15	1	ADDENDUM-1
59	59	TD-59	1	1	1	1	1/1/15	1	ADDENDUM-1
60	60	TD-60	1	1	1	1	1/1/15	1	ADDENDUM-1

CONTRACTOR/VENDOR NOTES:
1. THE FIBER/CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE EQUIPMENT, AS INDICATED ON THIS PROJECT ARE FOR THE PURPOSE OF SETTING AN OVERALL DESIGN STANDARD. IT IS THE RESPONSIBILITY OF THE FIBER/CABLING INFRASTRUCTURE CONTRACTOR/VENDOR TO PROVIDE AND INSTALL A COMPLETE OPERATIONAL SYSTEM. THE VENDOR SHALL PROVIDE DETAILED RESPONSE INFORMATION CONCERNING THEIR PROPOSED SOLUTION TO THE CONSULTANT/ENGINEER FOR REVIEW AND APPROVAL. CONTRACTOR/VENDOR IS TO VERIFY ALL FOOTAGES PRIOR TO ORDERING ALL MATERIALS. THE CONTRACTOR/VENDORS IS RESPONSIBLE FOR ALL CALCULATIONS AND THE ACCURACY OF MEASUREMENTS.

LEGEND

- WAP / WIRELESS ACCESS POINT
- QB / VAULTS
3' X 4' X 3' AND 4' X 6' X 4'
- DEAD / ZONE CAMERA
- IN-LINE CAMERAS
- POLE MOUNTED IT / COMM CABINET
NEMA-4 / 16" X 16" X 6"



- 101. PLACE ALL FIBER OPTIC CABLE AS INDICATED ON DRAWINGS IN CONDUITS AND INNERDUCTS.
- 102. INSTALL (4) 47 HOLE RACKS / HUBBELL PT. #400551 IN EACH VAULT. (2) 16 HOLE RACKS / HUBBELL PT. #400550 IN EACH VAULT. (16) 1" S BRACKETS / HUBBELL PT. #440556 IN EACH VAULT. (18) 10" RACK HOOKS / HUBBELL PT. #440524 IN EACH VAULT. SEE VAULT DETAIL DRAWING TD-12, SHEET #13 OF 15.
- 103. INSTALL (2) NEMA 4X 5' X 5' X 3" J-BOX ON EACH POLE THAT REQUIRES CAMERAS AND WAPS AS INDICATED ON POLE DETAIL DRAWINGS.
- 104. INSTALL (1) SQUARE-D GROUND BAR / TGB IN EACH POLE MOUNTED IT-CABINET IN UPPER RIGHT HAND CORNER AS INDICATED ON POLE DETAIL DRAWINGS. SEE NOTE #5.
- 105. THE CONTRACTOR IS TO PROVIDE ALL FIBER OPTIC AND CAT-6 PATCH CORDS / JUMPERS FOR THE PROJECT. THEY SHALL BE ORDERED AND DELIVERED TO THE CITY OF TUSCALOOSA AS INDICATED IN THE SPECS.

WALKER ASSOCIATES, INC.
ENGINEERING, PLANNING, GIS & SURVEYING
www.walkerwil.com
917 22nd Avenue - Suite B
Tuscaloosa, AL 35401
P (205) 561-3778 | F (205) 561-3779

**TUSCALOOSA CITY WALK PROJECT
FOREST LAKE SECTION**
Fiber / Cabling Infrastructure System
and Termination Hardware
City of Tuscaloosa
Tuscaloosa, Alabama

APPROVED BY:	
REVISIONS:	DATE DESCRIPTION
5/27/15	ADDENDUM-1
	ADD BORE/CONDUIT AND
	CORRECT/DELETE WORK
	OPERATIONS:
SCALE:	NTS
DRAWING NO.	TD-02
SHEET NO.	3 of 15
JOB NO.	TALA-201401
DESIGNED BY:	TSW
DRAWN BY:	JWT
CHECKED BY:	TSW
DATE:	04/02/2015
ISSUING NAME:	TD-02

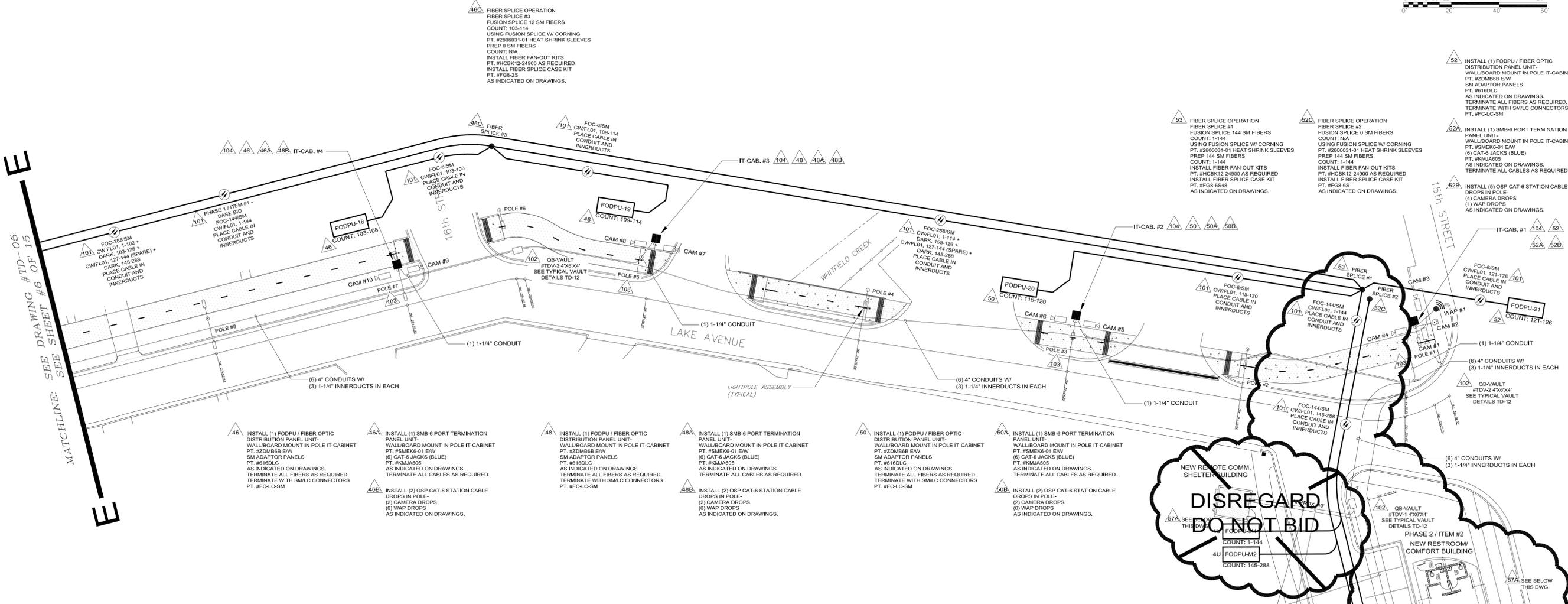
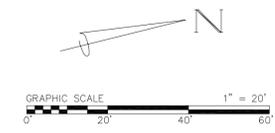
CERTIFIED ENGINEER
REGISTERED PROFESSIONAL ENGINEER
STATE OF ALABAMA
REGISTRATION NO. EL20101
DATE 05/27/15
ADDENDUM-1

TALA/Professional Services
1116 30TH STREET SOUTH, SUITE 8000
BIRMINGHAM, ALABAMA 35205
PH (205) 578-1993
www.TALAPro.com

TALA PROJECT NO. TALA-0004
DESIGNER: TSW
RCDD REGISTRATION NO. 12777
OSR REGISTRATION NO. 14166
NO. DATE DESCRIPTION CHKD. APPR.
5/27/15 ADDENDUM-1 TSW

OSP SPECIALIST
ATTERY S. WEAVER

TUSCALOOSA CITY WALK PROJECT FOREST LAKE SECTION FIBER / CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE



- 46C. FIBER SPLICING OPERATION
FIBER SPLICING #3
FUSION SPLICING 12 SM FIBERS
COUNT: 103-114
USING FUSION SPLICING W/ CORNING
PT. #280603-01 HEAT SHRINK SLEEVES
PREP 0 SM FIBERS
COUNT: N/A
INSTALL FIBER FAN-OUT KITS
PT. #HCBK12-24900 AS REQUIRED
INSTALL FIBER SPLICING CASE KIT
PT. #FG8-2S
AS INDICATED ON DRAWINGS.
- 46A. INSTALL (1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT- WALLBOARD MOUNT IN POLE IT-CABINET PT. #ZDM868 E/W SM ADAPTOR PANELS PT. #616DLC AS INDICATED ON DRAWINGS. TERMINATE ALL FIBERS AS REQUIRED. TERMINATE WITH SMLC CONNECTORS PT. #FC-LC-SM
- 46B. INSTALL (2) OSP CAT-6 STATION CABLE DROPS IN POLE- (2) CAMERA DROPS (0) WAP DROPS AS INDICATED ON DRAWINGS.
- 48A. INSTALL (1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT- WALLBOARD MOUNT IN POLE IT-CABINET PT. #ZDM868 E/W SM ADAPTOR PANELS PT. #616DLC AS INDICATED ON DRAWINGS. TERMINATE ALL FIBERS AS REQUIRED. TERMINATE WITH SMLC CONNECTORS PT. #FC-LC-SM
- 48B. INSTALL (2) OSP CAT-6 STATION CABLE DROPS IN POLE- (2) CAMERA DROPS (0) WAP DROPS AS INDICATED ON DRAWINGS.
- 50A. INSTALL (1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT- WALLBOARD MOUNT IN POLE IT-CABINET PT. #ZDM868 E/W SM ADAPTOR PANELS PT. #616DLC AS INDICATED ON DRAWINGS. TERMINATE ALL FIBERS AS REQUIRED. TERMINATE WITH SMLC CONNECTORS PT. #FC-LC-SM
- 50B. INSTALL (2) OSP CAT-6 STATION CABLE DROPS IN POLE- (2) CAMERA DROPS (0) WAP DROPS AS INDICATED ON DRAWINGS.
- 52A. INSTALL (1) SMB-6 PORT TERMINATION PANEL UNIT- WALLBOARD MOUNT IN POLE IT-CABINET PT. #SMK65-01 E/W (6) CAT-6 JACKS (BLUE) PT. #KMAJ605 AS INDICATED ON DRAWINGS. TERMINATE ALL CABLES AS REQUIRED.
- 52B. INSTALL (5) OSP CAT-6 STATION CABLE DROPS IN POLE- (4) CAMERA DROPS (1) WAP DROPS AS INDICATED ON DRAWINGS.
- 52C. FIBER SPLICING OPERATION
FIBER SPLICING #2
FUSION SPLICING 0 SM FIBERS
COUNT: N/A
USING FUSION SPLICING W/ CORNING
PT. #280603-01 HEAT SHRINK SLEEVES
PREP 144 SM FIBERS
COUNT: 1-144
INSTALL FIBER FAN-OUT KITS
PT. #HCBK12-24900 AS REQUIRED
INSTALL FIBER SPLICING CASE KIT
PT. #FG8-2S
AS INDICATED ON DRAWINGS.
- 52D. FIBER SPLICING OPERATION
FIBER SPLICING #1
FUSION SPLICING 144 SM FIBERS
COUNT: 1-144
USING FUSION SPLICING W/ CORNING
PT. #280603-01 HEAT SHRINK SLEEVES
PREP 144 SM FIBERS
COUNT: 1-144
INSTALL FIBER FAN-OUT KITS
PT. #HCBK12-24900 AS REQUIRED
INSTALL FIBER SPLICING CASE KIT
PT. #FG8-2S
AS INDICATED ON DRAWINGS.
- 52E. FIBER SPLICING OPERATION
FIBER SPLICING #1
FUSION SPLICING 144 SM FIBERS
COUNT: 1-144
USING FUSION SPLICING W/ CORNING
PT. #280603-01 HEAT SHRINK SLEEVES
PREP 144 SM FIBERS
COUNT: 1-144
INSTALL FIBER FAN-OUT KITS
PT. #HCBK12-24900 AS REQUIRED
INSTALL FIBER SPLICING CASE KIT
PT. #FG8-2S
AS INDICATED ON DRAWINGS.
- 52F. FIBER SPLICING OPERATION
FIBER SPLICING #2
FUSION SPLICING 0 SM FIBERS
COUNT: N/A
USING FUSION SPLICING W/ CORNING
PT. #280603-01 HEAT SHRINK SLEEVES
PREP 144 SM FIBERS
COUNT: 1-144
INSTALL FIBER FAN-OUT KITS
PT. #HCBK12-24900 AS REQUIRED
INSTALL FIBER SPLICING CASE KIT
PT. #FG8-2S
AS INDICATED ON DRAWINGS.

DISREGARD
DO NOT BID

- 101. PLACE ALL FIBER OPTIC CABLE AS INDICATED ON DRAWINGS IN CONDUITS AND INNERDUCTS.
- 102. INSTALL (1) 4" HOLE RACKS / HUBBELL PT. #400551 IN EACH VAULT. (2) 16 HOLE RACKS / HUBBELL PT. #400550 IN EACH VAULT. (16) "S" BRACKETS / HUBBELL PT. #440556 IN EACH VAULT. (18) "R" RACK HOOKS / HUBBELL PT. #400524 IN EACH VAULT. SEE VAULT DETAIL DRAWING TD-12, SHEET #13 OF 15.
- 103. INSTALL (2) NEMA 4X 5" X 5" X 3" J-BOX ON EACH POLE THAT REQUIRES CAMERAS AND WAPS AS INDICATED ON POLE DETAIL DRAWINGS.
- 104. INSTALL (1) SQUARE-D GROUND BAR / TGB IN EACH POLE MOUNTED IT-CABINET IN UPPER RIGHT HAND CORNER AS INDICATED ON POLE DETAIL DRAWINGS. SEE NOTE #5.
- 105. THE CONTRACTOR IS TO PROVIDE ALL FIBER OPTIC AND CAT-6 PATCH CORDS / JUMPERS FOR THE PROJECT. THEY SHALL BE ORDERED AND DELIVERED TO THE CITY OF TUSCALOOSA AS INDICATED IN THE SPECS.

LEGEND	
	WAP / WIRELESS ACCESS POINT
	QB / VAULTS 3' X 4' X 3' AND 4' X 6' X 4'
	DEAD / ZONE CAMERA
	IN-LINE CAMERAS
	POLE MOUNTED IT / COMM CABINET NEMA-4 / 16" X 16" X 6"

FIBER INFRASTRUCTURE SCHEDULE															
NO.	DESCRIPTION	QTY	UNIT	MARKING	REMARKS	DATE	BY	APP'D	REVISED	REASON	DATE	BY	APP'D	REVISED	REASON
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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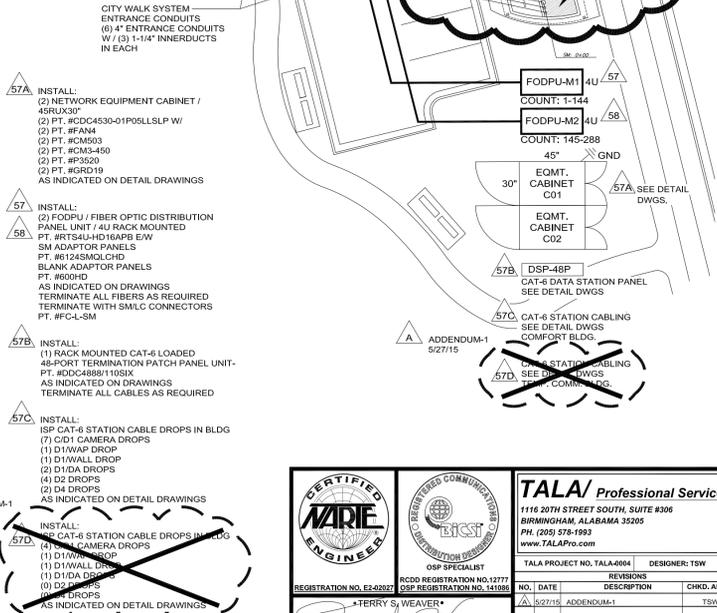
FIBER INFRASTRUCTURE PROJECT

CONTRACTOR NOTE:

- The data concerning the Construction of the Comfort Center IT-Comm. Building, Entrance Conduits, Station Conduits, HVAC Units, and Electrical Panel, Circuits and Receptacle/Outlet and Ground Bar, Wireless Network Controllers, Network FW/Router EQMT, AV System EQMT, Digital Signage System EQMT, Security Camera System (Fiber & Copper), Network Data Services, KVM Units, UPS/Battery Units, Alarm & Door Access Control System, and the Data Storage EQMT System that are provided on this drawing are for information purposes only.
- The placement of all these items are being installed under a separate contracts.
- The Installation of all IT-Cabinets and Hardware, Fiber and LIU/FODPU's, CAT-6 Station Cable and Termination Panels, Faceplates with all Mounting Hardware are the Fiber Infrastructure- Vendor/Contractor's Responsibility.
- All Fiber and CAT-6 Patch Cords shall be provided by the Fiber Infrastructure-Vendor/Contractor. All Patch Cords will be provided to the City of Tuscaloosa, stored in the Main IT-Comm. Center for each of the City Walk Project Sections. The installation of the Patch Cords will be completed by the Data Network, Security/Camera Network and Wireless Network Vendor/Contractors for installation.
- The Telecommunications Grounding Busbar (TGB) for the IT-Comm. Cabinets shall be a Square-D Ground Bar Kit Model/Part #PK9GTACP. It shall be mounted in the upper right hand corner. The Contractor/Vendor shall provide and install the TGB and make-up all ground connections. All grounding connections shall be tagged and labeled. Pole mounted IT-cabinets are being provided by the City of Tuscaloosa and installed by others.
- All IT Infrastructure conduit, innerducts, and QB/Vaults are being provided and installed by others.

CONTRACTOR/VENDOR NOTES:

- THE FIBER/CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE EQUIPMENT, AS INDICATED ON THIS PROJECT ARE FOR THE PURPOSE OF SETTING AN OVERALL DESIGN STANDARD. IT IS THE RESPONSIBILITY OF THE FIBER/CABLING INFRASTRUCTURE CONTRACTOR/VENDOR TO PROVIDE AND INSTALL A COMPLETE OPERATIONAL SYSTEM. THE VENDOR SHALL PROVIDE DETAILED RESPONSE INFORMATION CONCERNING THEIR PROPOSED SOLUTION TO THE CONSULTANT/ENGINEER FOR REVIEW AND APPROVAL. CONTRACTOR/VENDOR IS TO VERIFY ALL FOOTAGES PRIOR TO ORDERING ALL MATERIALS. THE CONTRACTOR/VENDOR IS RESPONSIBLE FOR ALL CALCULATIONS AND THE ACCURACY OF MEASUREMENTS.



TALAPRO
REGISTERED PROFESSIONAL ENGINEER
REGISTRATION NO. E242927

Professional Services
1116 20TH STREET SOUTH, SUITE 4006
BIRMINGHAM, ALABAMA 35205
PH. (205) 578-1993
www.TALAPRO.com

OSP SPECIALIST
REGISTRATION NO. 12777
(OSP REGISTRATION NO. 14108)

TERRY S. WEAVER
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	CHKD.	APRD.
1	02/15/15	ADDENDUM-1	TSW	

WALKER ASSOCIATES, INC.
ENGINEERING, PLANNING, GIS & SURVEYING

917 22nd Avenue - Suite B
Tuscaloosa, AL 35401
www.walkerivil.com
P (205) 561-3778 | F (205) 561-3779

**TUSCALOOSA CITY WALK PROJECT
FOREST LAKE SECTION**

Fiber / Cabling Infrastructure System
and Termination Hardware
City of Tuscaloosa
Tuscaloosa, Alabama

APPROVED BY: _____

DATE: 02/15/15

REVISIONS:

NO.	DATE	DESCRIPTION
1	02/15/15	ADDENDUM-1
2		ADD BORE/CONDUIT AND CORRECT/DELETE WORK

OPERATIONS:

SCALE: NTS
DRAWING No. TD-06
SHEET No. 7 of 15

JOB NO: TALA-201401

DESIGNED BY: TSW
DRAWN BY: JWT

CHECKED BY: TSW

DATE: 04/02/2015

DRAWING NAME: TD-06

of quantities and costs, the following lump sum of: SEE ATTACHED PAGES 15A-15C Dollars and _____ cents (\$ SEE ATTACHED). (Amount written in words has precedence)

ALTERNATES: Attach additional sheets for additive or deductive alternates, if in contract documents.

UNIT PRICES: ~~Where the Project is bid in unit prices then Bidder agrees to perform the work in the stated quantities of the materials at the unit prices so bid, the cumulative total of which constitutes the base bid set forth below, and to accept as final payment for the work performed under this Project as herein specified the extension of each such unit price for the quantities actually installed in accordance with the following or attached unit price schedule.~~

~~An unbalanced bid, as herein defined, may be considered non-responsive. A bid resulting in a substantial advance payment on an item that is for a single lump sum payment may be considered non-responsive.~~

~~Prices for mobilization and demobilization combined shall not exceed 5% of the total base bid unless a reasonable explanation is provided in writing with the bid and accepted by the Owner. Lump sum payments and unit price bids for a single or lump sum payment may be spread over the course of the period of work until the line item is complete at owner's option.~~

~~The Bidder's unit price for materials listed is as including the payment of taxes (See Page 3) where applicable: (See attached Unit Price Bid Schedule)~~

SALES AND USE TAX SAVINGS ACCOUNTING:

Pursuant to State of Alabama Act 2013-205, Section 1(g) the Contractor accounts for the sales tax NOT included in the bid proposal form as follows:

ESTIMATED SALES AND USE TAX

BASE BID: \$ _____

Additive Alternate (if applicable): \$ _____

Failure to provide an accounting of sales tax may render the bid non-responsive. Other than determining responsiveness, sales tax accounting shall not affect the bid pricing nor be considered in the determination of the lowest responsible and responsive bidder.

AS BUILT DRAWINGS: The Bidder's Proposal contains \$ _____ for "as built drawings."

BIDDER'S DECLARATION AND UNDERSTANDING: The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the City, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

The Bidder further agrees that he has checked and verified the completeness of the Contract Documents and that he has exercised his own judgment regarding the interpretation of subsurface information utilizing all pertinent data in arriving at his conclusions. The Bidder shall be fully responsible for any damages or liability arising out of his or his subcontractors prebid investigations.

The Bidder understands and agrees that if a Contract is awarded, the City may elect to award all schedules under one Contract, lump sum, separately, or in any combination that best serves the interests of the City.



City of Tuscaloosa
City Walk - Forest Lake Section



Fiber Cabling Infrastructure
Schedule of Values

Revised May/27/2015

<i>Unit Item</i>	<i>Unit Name/Description</i>	<i>Manufacture</i>	<i>Part Number</i>	<i>Unit Type</i>	<i>Unit Price</i>
Equipment Cabinet/Rack, Tray Hardware, Vault Hardware, GND Strips and Label Tags					
1001	Equipment Cabinet 45RUx30"/ CDC4530	OCC	01P05LLSLP	EACH	
1002	Vertical Cable Management 4"	OCC	CM3-450	EACH	
1003	Horizontal Cable Management 2U	OCC	CM503	EACH	
1004	Cabinet 19" Ground Bar	OCC	GRD19	EACH	
1005	Cabinet 19" Power Strip 20A	OCC	PS120	EACH	
1006	Cabinet Vertical Power Strip 30A	OCC	PS320	EACH	
1007	Cabinet Fan Unit	OCC	FAN4	EACH	
1008	12" Ladder Tray/ Black	Hoffman	LSS12BLK	EACH	
1009	Junction Clamp Kit	Hoffman	LJSKB	EACH	
1010	In-Line Butt Kit	Hoffman	LBSKB	EACH	
1011	12" Angel Support Kit	Hoffman	LWASK12BLK	EACH	
1012	12" Wall Support Bracket Kit	Hoffman	LTSB12BLK	EACH	
1013	18"x2" Basket Tray	CABLOFIL	CF54/450	EACH	
1014	Pull Cord 200lb.	George-Ingram	9465-02	EACH	
1015	47 Hole Racks/ Hubbell	Hubbell	400551	EACH	
1016	18 Hole Racks/ Hubbell	Hubbell	400550	EACH	
1017	"S" Brackets/ Hubbell	Hubbell	440556	EACH	
1018	10 ² Rack Hooks/ Hubbell	Hubbell	400524	EACH	
1019	4" Duct Plug	JMS	40B1167S	EACH	
1020	4" Blank Duct Plug	JMS	4D402U	EACH	
1021	Duct Seal	MCO	MCOPR868	EACH	
1022	Square-D Ground Bar Kit	Square-D	PK9GTACP	EACH	
1023	Panduit Ground Tag	Panduit	LTYK	EACH	
1024	Panduit Ground Tag	Panduit	PT-BGND	EACH	
1025	Xpress-Tags to Label Locator Conductor	Xpress-Tags	TG_2122-FO	EACH	
1026	#6 Ground Wire Conductor	THNN	#6 Conductor	PER FOOT	
1027	#10 Location/Wire Conductor	THNN	#10 Conductor	PER FOOT	
1028	NEMA 4X/ 5"x5"x3" WP Box	HoffMan	F7806/GB #25684888	EACH	
1029	Fire-Stop	STI	SSP	EACH	
1030	Rockwool	3M	Rockwool	EACH	
CAT 3 and CAT6 UTP Cable, Copper Equipment, Patch Cords and Termination Hardware					
2001	CMR 25 Pair	Mohawk	M58141/ LT48094	PER FOOT	
2002	100 Pair/110 Type Termination Block	OCC	DCC100/110EFLK	EACH	
2003	300 Pair/110 Type Termination Block	OCC	DCC300/110EFLK	EACH	
2004	110 Block Cable Organizer	OCC	COH110L	EACH	
2005	Voice/Telco Patch Panel	OCC	DCC2488/110A5E	EACH	
2006	Data Station Panel 24 Ports	OCC	DCC2488/110SIX	EACH	
2007	Data Station Panel 48 Ports	OCC	DCC4888/110SIX	EACH	
2008	IT-Cabinet/SMB-6 Port Box	OCC	SMEK6-01	EACH	
2009	ISP and OSP- Surface Mount Box/ SMB Plastic (1) One Port	OCC	SMEK1-01	EACH	
2010	ISP- Faceplate/ (2) Two Port Plastic	OCC	FPSK02-01	EACH	
2011	ISP- Faceplate/ (4) Four Port Plastic	OCC	FPSK04-01	EACH	
2012	ISP- Wall Station Faceplate/ (1) One Port Stainless Steel	OCC	WP-A6-SS	EACH	
2013	ISP and OSP- Faceplate Plastic Blanks	OCC	AKBLK-01	EACH	

2014	CAT6 Jacks	OCC	KMJA605	EACH	
2015	CMR Cat6 Cable/ Per Station Drop 100'	Mohawk	M58804/ LT56007	EACH	
2016	OSP Cat6 Cable/ Per Station Drop 75'	Mohawk	M58772/ LT55553	EACH	
2017	CAT6 Patch/Jumper Cord- 1'	OCC	PCSIX01B05	EACH	
2018	CAT6 Patch/Jumper Cord- 2'	OCC	PCSIX02B05	EACH	
2019	CAT6 Patch/Jumper Cord- 3'	OCC	PCSIX03B05	EACH	
2020	CAT6 Patch/Jumper Cord- 5'	OCC	PCSIX05B05	EACH	
2021	CAT6 Patch/Jumper Cord- 7'	OCC	PCSIX07B05	EACH	
2022	CAT6 Patch/Jumper Cord- 10'	OCC	PCSIX10B05	EACH	
2023	CAT3 Test Per Pair w/Reports (Detail and Summary)	Labor	Labor	EACH	
2024	CAT6 Test Per 4Pair Station Cable w/Reports (Detail and Summary)	Labor	Labor	EACH	
Fiber SM Cable, Fiber Equipment, Patch Cords and Termination Hardware					
3001	SM 6 Fiber-OSP	OCC	DX006DSL99YR	PER FOOT	
3002	SM 144 Fiber-OSP	OCC	HC144JSLACYA	PER FOOT	
3003	SM 288 Fiber-OSP	OCC	HC288JSLACYA	PER FOOT	
3004	Fiber Termination Interface Enclosure- 4U Unit	OCC	RTS4U-HD16APB	EACH	
3005	Fiber Termination Interface Enclosure- 2U Unit	OCC	RTS2U-HD16APB	EACH	
3006	Fiber Termination Interface Enclosure- Wall Mount Unit/For Pole Cabinet	OCC	ZDMB6B	EACH	
3007	SM-LC/24 Port HD Adaptor Panel	OCC	6124SMQLCHD	EACH	
3008	SM_LC/6 Port Standard Adaptor Panel	OCC	616DLC	EACH	
3009	Blank Cover Plates/ Adaptor Panel	OCC	600HD	EACH	
3010	Fiber Optic LC Connectors/ Single-mode Fiber- Fiber Termination	OCC	FC-LC-SM	EACH	
3011	Fiber Patch/Jumper Cord- 1M/3'	OCC	D8LCUPC-LC-1M	EACH	
3012	Fiber Patch/Jumper Cord- 2M/7'	OCC	D8LCUPC-LC-2M	EACH	
3013	Fiber Patch/Jumper Cord- 3M/10'	OCC	D8LCUPC-LC-3M	EACH	
3014	Fiber ID/ Label Tags	Panduit	PST-FO	EACH	
3015	Fiber Fusion Splicing/ Fiber Fusion Splicing Heat Shrink Sleeves	Corning	2806031-01	EACH	
3016	Fiber Fan-out Kit	OCC	HCBK12-24900	EACH	
3017	FG8-6S48 Fiber Splice Case Kit	OCC	FG8-6S48	EACH	
3018	FG8-2S Fiber Splice Kit	OCC	FG8-2S	EACH	
3019	FG8-6S Fiber Splice Case Kit	OCC	FG8-6S	EACH	
3020	FGT-24S Splice Tray for 24 Fibers	OCC	FGT-24S	EACH	
3021	FGT-48S Splice Tray for 48 Fibers	OCC	FGT-48S	EACH	
3022	Fibregard Grommet Kits	OCC	FGD-1H	EACH	
3023	Fibregard Grommet Kits	OCC	FGD-2H	EACH	
3024	Fibregard Grommet Kits	OCC	FGD-4H	EACH	
3025	Fiber Test SM Per Fiber Strand w/Reports (Detail and Summary)	Labor	Labor	EACH	

Tuscaloosa CityWalk- Forest Lake Fiber Infrastructure

Bid Proposal Form

BASE BID

ITEM #1. Phase-1: Install all fiber and equipment as indicated in the documents. The Cabinet and all associated hardware temporarily in the University Place School Communication Room and all fiber from QB-Vault TDV-2/ Fiber Splice #1 to QB-Vault TDV-11/ Fiber Splice #11, University Place School and all IT-Cabinet's along the route. Bore street/ 1ST Avenue and trench parallel to curb-line/ 36" deep, to install (1) one 4" conduit with (3) 1.25" innerducts from existing riser pole at University Place Drive and 1ST Avenue to QB-Vault# TDV-9.

BASE BID \$

ALTERNATE NO. 1

ITEM #2. Phase-2: Relocate and Install all equipment as indicated in the documents. The Cabinet's and all associated hardware, Ladder Tray Equipment permanently in the Comfort Center Building Facility Communication Room and all fiber from QB-Vault TDV-2/ Fiber Splice #1 and #2 to the Comfort Center Building Facility Communication Room and Cutover all Services. Alternate No. 1 price shall be held for a period of 1 year from the date of the submitted bid.

ALTERNATE NO. 1 \$

TOTAL BASE BID & ALTERNATE NO. 1 \$

SECTION 01800 – DETERMINATION OF PAY QUANTITIES

BASE BID

ITEM #1. Phase-1: Install all fiber and equipment as indicated in the documents. The Cabinet and all associated hardware temporarily in the University Place School Communication Room and all fiber from QB-Vault TDV-2/ Fiber Splice #1 to QB-Vault TDV-11/ Fiber Splice #11, University Place School and all IT-Cabinet's along the route. Bore street/ 1ST Avenue and trench parallel to curb-line/ 36" deep, to install (1) one 4" conduit with (3) 1.25" innerducts from existing riser pole at University Place Drive and 1ST Avenue to QB-Vault# TDV-9.

ALTERNATE NO. 1

ITEM #2. Phase-2: Relocate and Install all equipment as indicated in the documents. The Cabinet's and all associated hardware, Ladder Tray Equipment permanently in the Comfort Center Building Facility Communication Room and all fiber from QB-Vault TDV-2/ Fiber Splice #1 and #2 to the Comfort Center Building Facility Communication Room and Cutover all Services. The price for the Alternate shall be held for a period of 1 year from the date of the submitted Bid.

Note: IT- Communication Rooms, Vaults/Conduit/Innerduct and IT- Pole Mounted Cabinets Systems are provided through separate contracts and bid documents.

Fiber and Cabling Infrastructure/Backbone Contract Bid Documents-Bid Items shall include but are not limited to the following:

- Communications Room Equipment Cabinets/Racks with all Hardware and Installation in the Phase1- University Place School Communication Room and Phase2- Comfort Center Building Facility Communication Room
- Communications Room Ladder Cable Tray with all Hardware and Installation in the Phase2- Comfort Center Building Facility Communication Room
- Fiber Infrastructure/Backbone and Fiber Station Cable Installation
- Fiber Termination Interface Enclosures and Adaptor Panel Units Installation
- Fiber Splice Case/Hardware Installation and Fiber Splicing Requirement
- Fiber Termination/ Connector Installation Requirements
- Fiber Testing Requirements and all Record Documentation
- All Fiber Patch/ Jumper Cords Furnished and Installed as Required
- Copper/Cat6 Station Cable Drops Installation with Faceplates and Terminating Hardware in the Communication Rooms and Restroom Building Facility
- Copper/Cat6 Station Cable Drops Installation with SMB Boxes and Terminating Hardware in the Poles for Cameras and Wireless Access Points
- Data Station Panels/ Copper-Cat6 Installation with Terminating Hardware in the Communication Rooms and Restroom Building Facility
- Data Station SMB Boxes/ Copper-Cat6 Installation with Terminating Hardware in the Poles Mounted IT/Cabinets for Cameras and Wireless Access Points
- NEMA 4X Rated 5"x5"x3"- Black Boxes/ Pole Mounted at Opening Portals for Cameras and Wireless Access Points
- Equipment Mounting Din Rails in the Pole Mounted IT/Cabinets
- Copper/Cat6 Testing Requirements and all Record Documentation
- All Copper-Cat6 Patch/ Jumper Cords Furnished and Installed as Required
- All As-Built Documentation for the Infrastructure System

END OF SECTION 01800