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## ADDENDUM NO. 2

Date: May 10, 2016

Project Name: CityWalk – Alberta 1B Section – Fiber/Cabling Infrastructure System and Termination Hardware for the City of Tuscaloosa

City Project Number: A16-0307  
WA Project Number: 12-101

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This addendum to drawings and contract documents dated February 29, 2016 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 – QUESTIONS AND CLARIFICATIONS:**

Q: 1. The drawing and specs are in conflict with regards to the box size required at the Fire Station and Police Station. Please confirm size required.

A: The Drawings and New SOV indicate 16"x16"x12" and Specs Indicates 12"x12"x8". The Correct size for the Cantex Pull Box required at the Fire Station and Police Station is a **16"x16"x12"**.

Q: 2. Regarding the pole mounted junction boxes for the cameras. Can you confirm that those are to be provided and installed by the cabling vendor?

A: Yes, the **5"x5"x3" Camera Portal Box** is to be Provided and Installed by the Fiber Infrastructure Contractor/ Cabling Vendor.

Q: 3. Is the locate wire to be installed by the cabling contractor or others?

A: Yes, the **#10 Locator Conductor Wire, Terminals and Labeling** (Gateway to Vault, Vaults to Vaults, Vaults to IT-Cabinets as well as Terminals in each vault and cabinet.) is to be Provided and Installed by the Fiber Infrastructure Contractor/ Cabling Vendor.

Q: 4. Is it necessary to install duct plugs (Jack Moon) in **ALL** Conduits both used and unused or just the ones that cable is installed in?

A: Yes, the **Jack Moon Duct Plugs are required** (Around the innerducts in the 4" conduits and in the 1-1/4" innerducts, for used and unused conduits and innerducts) is to be Provided and Installed by the Fiber Infrastructure Contractor/ Cabling Vendor.

Q: 5. Are the Fiber and Copper Patch Cables/Cords/Jumpers provided and installed by the cabling contractor or by others?

A: Yes, the **Fiber and Copper Patch Cables/Cords/Jumpers are required** to be Provided in the amounts as indicated in the Specs and Installed, in the numbers as required in the IT-Cabinets, WAP and Camera Portal Boxes, all will be done by the Fiber Infrastructure Contractor/ Cabling Vendor.

Q: 6. Due to the time constraint, will a scanned copy of the bid bond be accepted as part of the seal bid response with the understanding that the original will be produced after the opening of the proposals. It's just a short time in order for us to get the original bid bond back from our corporate office located in Nashville, TN.

A: Kristen L. Love- 5/9/16 3:11PM, "A scanned copy proving the existence of a valid bid bond-- enclosed within their sealed bid is acceptable. They will have to produce the original before any contracts are executed."

Q: 7. I am seeking clarification on the pathways for the 24Strand fibers, one each going into the Fire Station and the Police Station. Drawing TD01 notes 26 and 29 state that we will be responsible for locating and extending the (2) 4" Conduits to the building, then placing the junction box as well as extending (2) 2" entrance conduits into each building. Is this correct? **YES, See Below.**

It was my understanding during the pre-bid meeting that the existing conduits were already extended to the building with the junction boxes already in place and we were just tying the (2) new 2" entrance conduits to the junction box and extending to the data room located within each building. **INCORRECT. See Below.**

A: Please see attached TALA Field Drawing 1 of 2, which indicates Work Operations 26, 27, 28, at Fire Station Number-4 and Work Operations 29, 30, 31 at East Police Precinct Buildings. These work operations calls for the contractor to locate the existing (2) 4" conduits stubbed out to the buildings from QB-TDV2.1. The (2)4" conduits at the Fire Station is Approx. 10' to 12' from the outside building wall. The (2)4" conduits at the Police Station is Approx. 6' to 8' from the outside building wall. The Fiber Infrastructure Contractor/ Cabling Vendor will be required to locate these conduits (2-4"), extend them to the wall, turn them up to above ground level and place the Cantex Pull Boxes at the base of the build wall 6" to 12"AGL. Then place (2)2" up the building wall. Core the wall and install the (2)2" conduits to the Existing Comm. Rooms in each build. The Pull Boxes and Conduits shall be painter to match the Building Colors.

#### **ITEM NO. 2 – Additional Work Item and Field Sketch 1 &2:**

Work Operation 201.

-Please see attached TALA Field Drawing 2 of 2, The Fiber Infrastructure Contractor/ Cabling Vendor shall include Labor and Materials to Install Innerducts as required.

-Drawing indicates Work Operations 201, Which is to:

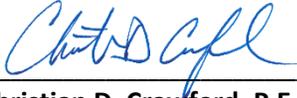
1. Install (3) 1-1/4" Innerducts in each of the (4)4" Conduits from QB-TDV2 to QB-TDV2.1.
2. Install (3) 1-1/4" Innerducts in each of the (2)4" Conduits from QB-TDV2.1 to the Cantex Pull Box at the Fire Station.
3. Install (3) 1-1/4" Innerducts in each of the (2)4" Conduits from QB-TDV2.1 to the Cantex Pull Box at the Police Station.



**ITEM NO. 3 – Replace Schedule of Values with Attached:**

Replace the Schedule of Values with the attached in its entirety. Item was added due to the additional work item to be included in the project.

**END OF ADDENDUM NO. 2**



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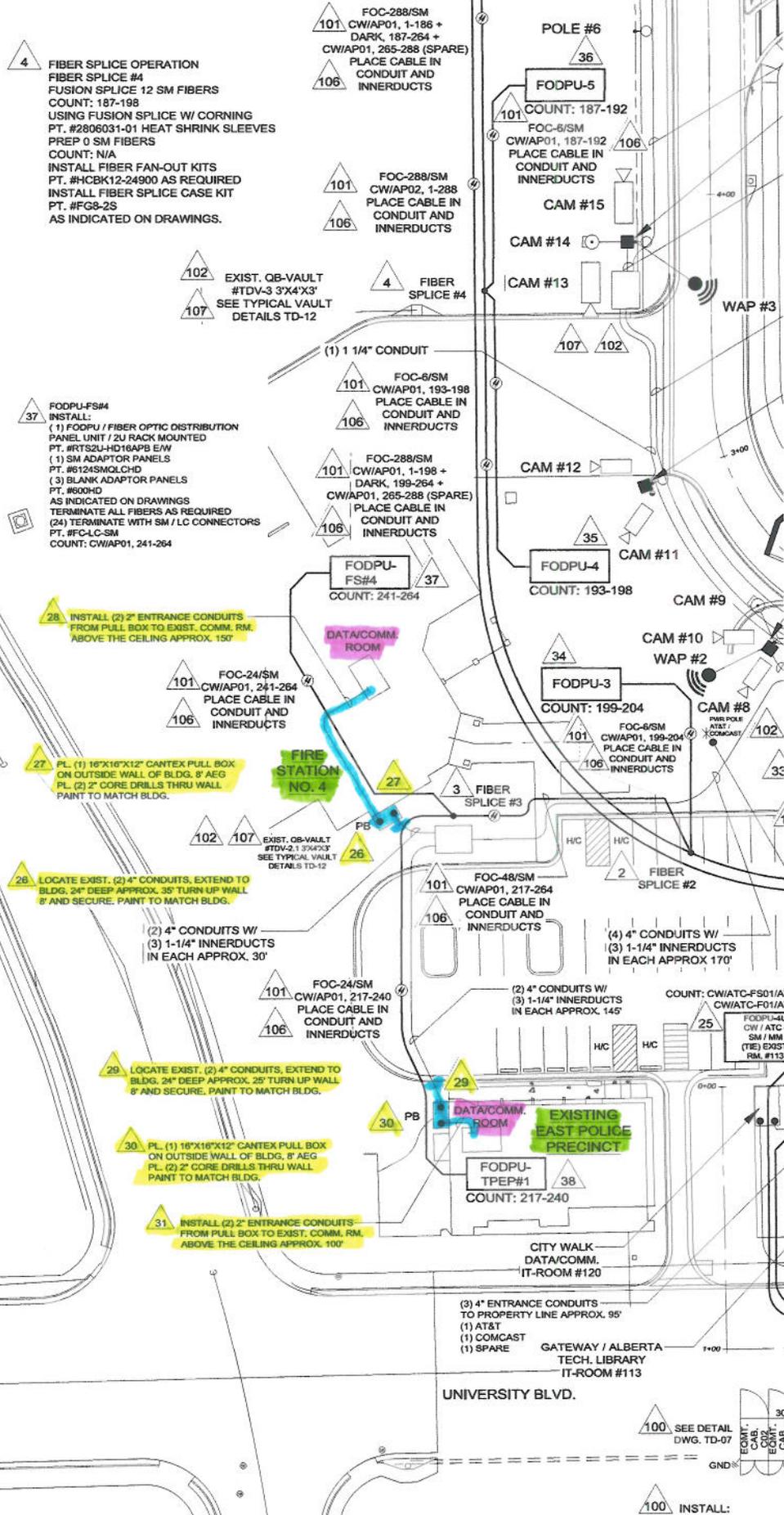
**Christian D. Crawford, P.E.**  
**Alabama Registration No. 31597**

Attachments: Field Drawings 1 &2  
Schedule of Values



# A

MATCHLINE: SEI  
SEI



4 FIBER SPLICE OPERATION  
 FIBER SPLICE #4  
 FUSION SPLICE 12 SM FIBERS  
 COUNT: 187-198  
 USING FUSION SPLICE W/ CORNING  
 PT. #2806031-01 HEAT SHRINK SLEEVES  
 PREP 0 SM FIBERS  
 COUNT: N/A  
 INSTALL FIBER FAN-OUT KITS  
 PT. #HCBK12-24900 AS REQUIRED  
 INSTALL FIBER SPLICE CASE KIT  
 PT. #FG8-2S  
 AS INDICATED ON DRAWINGS.

102 EXIST. QB-VAULT  
 #TDV-3 3'X4'X3'  
 107 SEE TYPICAL VAULT  
 DETAILS TD-12

37 FODPU-FS#4  
 INSTALL:  
 (1) FODPU / FIBER OPTIC DISTRIBUTION  
 PANEL UNIT / 2U RACK MOUNTED  
 PT. #RTS2U-HD16APS E/W  
 (1) SM ADAPTOR PANELS  
 PT. #6124SMQLCHD  
 (3) BLANK ADAPTOR PANELS  
 PT. #600HD  
 AS INDICATED ON DRAWINGS  
 TERMINATE ALL FIBERS AS REQUIRED  
 (24) TERMINATE WITH SM / LC CONNECTORS  
 PT. #FC-LC-SM  
 COUNT: CW/AP01, 241-264

28 INSTALL (2) 2" ENTRANCE CONDUITS  
 FROM PULL BOX TO EXIST. COMM. RM.  
 ABOVE THE CEILING APPROX. 150"

101 FOC-24/SM  
 CW/AP01, 241-264  
 106 PLACE CABLE IN  
 CONDUIT AND  
 INNERDUCTS

27 PL (1) 16"X16"X12" CANTEX PULL BOX  
 ON OUTSIDE WALL OF BLDG. 8' AEG  
 PL (2) 2" CORE DRILLS THRU WALL  
 PAINT TO MATCH BLDG.

102 EXIST. QB-VAULT  
 #TDV-2.1 3'X4'X3'  
 107 SEE TYPICAL VAULT  
 DETAILS TD-12

26 LOCATE EXIST. (2) 4" CONDUITS, EXTEND TO  
 BLDG. 24" DEEP APPROX. 35' TURN UP WALL  
 8' AND SECURE. PAINT TO MATCH BLDG.

(2) 4" CONDUITS W/  
 (3) 1-1/4" INNERDUCTS  
 IN EACH APPROX. 30'

101 FOC-24/SM  
 CW/AP01, 217-240  
 106 PLACE CABLE IN  
 CONDUIT AND  
 INNERDUCTS

(2) 4" CONDUITS W/  
 (3) 1-1/4" INNERDUCTS  
 IN EACH APPROX. 145'

COUNT: CW/ATC-FS01/A  
 CW/ATC-F01/A  
 FODPU-4L  
 CW / ATC-  
 SM / MM  
 (1E) EXIST.  
 RM. #113

29 LOCATE EXIST. (2) 4" CONDUITS, EXTEND TO  
 BLDG. 24" DEEP APPROX. 25' TURN UP WALL  
 8' AND SECURE. PAINT TO MATCH BLDG.

30 PL (1) 16"X16"X12" CANTEX PULL BOX  
 ON OUTSIDE WALL OF BLDG. 8' AEG  
 PL (2) 2" CORE DRILLS THRU WALL  
 PAINT TO MATCH BLDG.

31 INSTALL (2) 2" ENTRANCE CONDUITS  
 FROM PULL BOX TO EXIST. COMM. RM.  
 ABOVE THE CEILING APPROX. 100"

(3) 4" ENTRANCE CONDUITS  
 TO PROPERTY LINE APPROX. 95'  
 (1) AT&T  
 (1) COMCAST  
 (1) SPARE

GATEWAY / ALBERTA  
 TECH. LIBRARY  
 IT-ROOM #113

UNIVERSITY BLVD.

100 SEE DETAIL  
 DWG. TD-07

100 INSTALL:

*J. Ryan*  
 5/10/16  
 TD-01  
 YALA FIELD DWG 1 of 2



**City of Tuscaloosa/CityWalk Project Alberta Parkway Section/  
Phase-1B Fiber Infrastructure Schedule of Values Pricing Sheet**

Unit Item	Unit Name/Description	Manufacture	Part Number	Unit Type	Unit Price
	<b>Fiber Infrastructure- Schedule of Values Pricing for Labor and Materials as Indicated for Adds and Deletions</b>				
	<b>Equipment Cabinet /Rack, Tray Hardware, Vault Hardware, GND Strips and Label Tags</b>				
1001	Equipment Cabinet 45RUx30"/ CDC4530 (Labor and Material/Eqmt. to Install)	OCC	01P05LLSLP	EACH	\$ -
1002	Vertical Cable Management 4" (Labor and Material/Eqmt. to Install)	OCC	10 of each CM3-450	EACH	\$ -
1003	Horizontal Cable Management 2U (Labor and Material/Eqmt. to Install)	OCC	2 of each CM503	EACH	\$ -
1004	Cabinet 19" Ground Bar (Labor and Material/Eqmt. to Install)	OCC	GRD19	EACH	\$ -
1005	Cabinet 19" Power Strip 20A (Labor and Material/Eqmt. to Install)	OCC	PS120	EACH	\$ -
1006	Cabinet Vertical Power Strip 30A (Labor and Material/Eqmt. to Install)	OCC	2 of each PS320	EACH	\$ -
1007	Cabinet Fan Unit (Labor and Material/Eqmt. to Install)	OCC	FAN3	EACH	\$ -
1008	12" Ladder Tray/ Black (Labor and Material/Eqmt. to Install)	Hoffman	LSS12BLK	EACH	\$ -
1009	Junction Clamp Kit (Labor and Material/Eqmt. to Install)	Hoffman	LJSKB	EACH	\$ -
1010	In-Line Butt Kit (Labor and Material/Eqmt. to Install)	Hoffman	LBSKB	EACH	\$ -
1011	12" Angel Support Kit (Labor and Material/Eqmt. to Install)	Hoffman	LWASK12BLK	EACH	\$ -
1012	12" Wall Support Bracket Kit (Labor and Material/Eqmt. to Install)	Hoffman	LTSB12BLK	EACH	\$ -
1013	18"x2" Basket Tray (Labor and Material/Eqmt. to Install)	CABLOFIL	CF54/450	EACH	\$ -
1014	Pull Cord 200lb. (Labor and Material/Eqmt. to Install)	George-Ingram	9465-02	EACH	\$ -
1015	47 Hole Racks/ Hubbell (Labor and Material/Eqmt. to Install)	Hubbell	400551	EACH	\$ -
1016	18 Hole Racks/ Hubbell (Labor and Material/Eqmt. to Install)	Hubbell	400550	EACH	\$ -
1017	"S" Brackets/ Hubbell (Labor and Material/Eqmt. to Install)	Hubbell	440556	EACH	\$ -
1018	10" Rack Hooks/ Hubbell (Labor and Material/Eqmt. to Install)	Hubbell	400524	EACH	\$ -
1019	4" Duct Plug (Labor and Material/Eqmt. to Install)	JMS	40B1167S	EACH	\$ -
1020	4" Blank Duct Plug (Labor and Material/Eqmt. to Install)	JMS	4D402U	EACH	\$ -
1021	Duct Seal (Labor and Material/Eqmt. to Install)	MCO	MCOPR868	EACH	\$ -
1022	Square-D Ground Bar Kit (Labor and Material/Eqmt. to Install)	Square-D	PK9GTACP	EACH	\$ -
1023	Panduit Ground Tag (Labor and Material/Eqmt. to Install)	Panduit	LTYK	EACH	\$ -
1024	Panduit Ground Tag (Labor and Material/Eqmt. to Install)	Panduit	PT-BGND	EACH	\$ -
1025	Xpress-Tags to Label Locator Conductor (Labor and Material/Eqmt. to Install)	Xpress-Tags	TG_2122-FO	EACH	\$ -
1026	#6 Ground Wire Conductor (Labor and Material/Eqmt. to Install)	THNN	#6 Conductor	PER FOOT	\$ -
1027	#10 Location/Wire Conductor (Labor and Material/Eqmt. to Install)	THNN	#10 Conductor	PER FOOT	\$ -
1028	NEMA 4X/ 5"x5"x3" WP Box (Labor and Material/Eqmt. to Install)	HoffMan	F7806/GB #25684888	EACH	\$ -
1029	Fire-Stop (Labor and Material/Eqmt. to Install)	STI	SSP	EACH	\$ -
1030	Rockwool (Labor and Material/Eqmt. to Install)	3M	Rockwool	EACH	\$ -
1031	4" Conduit PVC/ with all Mounting Hardware & Painted to Match Wall Color (Labor and Material/Eqmt. to Install)	UNK	UNK	PER FOOT	\$ -
1032	4" Conduit Rigid/ with all Mounting Hardware & Painted to Match Wall Color (Labor and Material/Eqmt. to Install)	UNK	UNK	PER FOOT	\$ -
1033	4" Conduit EMT/ with all Mounting Hardware- Installed Above the Layin Ceiling (Labor and Material/Eqmt. to Install)	UNK	UNK	PER FOOT	\$ -
1034	16"x16"x12" Cantex Pull Box/ with all Mounting Hardware & Painted to Match Wall Color (Labor and Material/Eqmt. to Install)	UNK	UNK	EACH	\$ -
1035	(1) 4.5" Block Wall Core Drill/ Sealed to meet all codes/standards. (Labor and Material/Eqmt. to Install)	UNK	UNK	EACH	\$ -
1036	(1) 2.5" Block Wall Core Drill/ Sealed to meet all codes/standards. (Labor and Material/Eqmt. to Install)	UNK	UNK	EACH	\$ -
1037	2" Conduit PVC/ with all Mounting Hardware & Painted to Match Wall Color (Labor and Material/Eqmt. to Install)	UNK	UNK	PER FOOT	\$ -
1038	2" Conduit Rigid/ with all Mounting Hardware & Painted to Match Wall Color (Labor and Material/Eqmt. to Install)	UNK	UNK	PER FOOT	\$ -
1039	2" Conduit EMT/ with all Mounting Hardware- Installed Above the Layin Ceiling (Labor and Material/Eqmt. to Install)	UNK	UNK	PER FOOT	\$ -
1040	(3)1-1/4" Innerducts in each 4" conduit. (Labor and Material/Eqmt. to Install)	UNK	UNK	PER FOOT	\$ -
1041	DIN-Rail for IT-Cabinets 7" to 9" Section (in each cabinet)	UNK	UNK	EACH	\$ -
	<b>CAT3 and CAT6 UTP Cable, Copper Equipment, Patch Cords and Termination Hardware</b>				
2001	CMR 25 Pair (Labor and Material/Eqmt. to Install)	Mohawk	M58141/ LT48094	PER FOOT	\$ -
2002	ARMM 25 Pair (Labor and Material/Eqmt. to Install)	General	2019000	PER FOOT	\$ -
2003	Copper ID/ Label Tags (Labor and Material/Eqmt. to Install)	Panduit	UNK	EACH	\$ -
2004	100 Pair/110 Type Termination Block (Labor and Material/Eqmt. to Install)	OCC	DCC100/110EFSLK	EACH	\$ -
2005	300 Pair/110 Type Termination Block (Labor and Material/Eqmt. to Install)	OCC	DCC300/110EFSLK	EACH	\$ -
2006	110 Block Cable Organizer (Labor and Material/Eqmt. to Install)	OCC	COH110L	EACH	\$ -
2007	Voice/Telco Patch Panel (Labor and Material/Eqmt. to Install)	OCC	DCC2488/110ASE	EACH	\$ -
2008	Data Station Panel 24 Ports (Labor and Material/Eqmt. to Install)	OCC	DCC2488/110SIX	EACH	\$ -
2009	Data Station Panel 48 Ports (Labor and Material/Eqmt. to Install)	OCC	DCC4888/110SIX	EACH	\$ -
2010	IT-Cabinet/SMB-6 Port Box (Labor and Material/Eqmt. to Install)	OCC	SMEK6-01	EACH	\$ -
2011	ISP and OSP- Surface Mount Box/ SMB Plastic (1) One Port (Labor and Material/Eqmt. to Install)	OCC	SMEK1-01	EACH	\$ -
2012	ISP- Faceplate/ (2) Two Port Plastic (Labor and Material/Eqmt. to Install)	OCC	FPSK02-01	EACH	\$ -
2013	ISP- Faceplate/ (4) Four Port Plastic (Labor and Material/Eqmt. to Install)	OCC	FPSK04-01	EACH	\$ -
2014	ISP- Wall Station Faceplate/ (1) One Port Stainless Steel (Labor and Material/Eqmt. to Install)	OCC	WP-A6-SS	EACH	\$ -
2015	ISP and OSP- Faceplate Plastic Blanks (Labor and Material/Eqmt. to Install)	OCC	AKBLK-01	EACH	\$ -
2016	CAT6 Jacks (Labor and Material/Eqmt. to Install)	OCC	KMJA605	EACH	\$ -
2017	CMR Cat6 Cable/ Per Station Drop 100' Average Length- Terminated on both ends(DSP Panel & Jack) (Labor and Material/Eqmt. to Install)	Mohawk	M58804/ LT56007	EACH	\$ -
2018	OSP Cat6 Cable/ Per Station Drop 75' Average Length- Terminated on both ends(SMB Panel & Jack) (Labor and Material/Eqmt. to Install)	Mohawk	M58772/ LT55553	EACH	\$ -
2019	CAT6 Patch/Jumper Cord- 1' (Labor and Material/Eqmt. to Install)	OCC	PCSIX01B05	EACH	\$ -
2020	CAT6 Patch/Jumper Cord- 2' (Labor and Material/Eqmt. to Install)	OCC	PCSIX02B05	EACH	\$ -
2021	CAT6 Patch/Jumper Cord- 3' (Labor and Material/Eqmt. to Install)	OCC	PCSIX03B05	EACH	\$ -
2022	CAT6 Patch/Jumper Cord- 5' (Labor and Material/Eqmt. to Install)	OCC	PCSIX05B05	EACH	\$ -
2023	CAT6 Patch/Jumper Cord- 7' (Labor and Material/Eqmt. to Install)	OCC	PCSIX07B05	EACH	\$ -
2024	CAT6 Patch/Jumper Cord- 10' (Labor and Material/Eqmt. to Install)	OCC	PCSIX10B05	EACH	\$ -
2025	CAT3 Test Per Pair w/Reports (Detail and Summary) (Labor and Material/Eqmt. to Install)	Labor	Labor	EACH	\$ -
2026	CAT6 Test Per 4Pair Station Cable w/Reports (Detail and Summary) (Labor and Material/Eqmt. to Install)	Labor	Labor	EACH	\$ -
	<b>Fiber SM Cable, Fiber Equipment, Patch Cords and Termination Hardware</b>				
3001	SM 6 Fiber-OSP (Labor and Material/Eqmt. to Install)	OCC	DX006DSL9YR	PER FOOT	\$ -
3002	SM 24 Fiber-OSP (Labor and Material/Eqmt. to Install)	OCC	HC024JSLACYA	PER FOOT	\$ -
3004	SM 48 Fiber-OSP (Labor and Material/Eqmt. to Install)	OCC	HC048JSLACYA	PER FOOT	\$ -
3005	SM 144 Fiber-OSP (Labor and Material/Eqmt. to Install)	OCC	HC144JSLACYA	PER FOOT	\$ -
3006	SM 288 Fiber-OSP (Labor and Material/Eqmt. to Install)	OCC	HC288JSLACYA	PER FOOT	\$ -
3007	SM 48 Fiber/ ISP INDOOR-OUTDOOR PLENUM (Labor and Material/Eqmt. to Install)	OCC	DX048KSLX9YP	PER FOOT	\$ -
3008	MM 48 Fiber-OM4/ ISP INDOOR-OUTDOOR PLENUM (Labor and Material/Eqmt. to Install)	OCC	DX048KALE9QP	PER FOOT	\$ -
3009	Fiber Termination Interface Enclosure- 4U Unit (Labor and Material/Eqmt. to Install)	OCC	RTS4U-HD16APB	EACH	\$ -
3010	Fiber Termination Interface Enclosure- 2U Unit (Labor and Material/Eqmt. to Install)	OCC	RTS2U-HD16APB	EACH	\$ -
3011	Fiber Termination Interface Enclosure- Wall Mount Unit/For Pole Cabinet (Labor and Material/Eqmt. to Install)	OCC	ZDMB6B	EACH	\$ -
3012	SM-LC/24 Port HD Adaptor Panel (Labor and Material/Eqmt. to Install)	OCC	6124SMQLCHD	EACH	\$ -
3013	MM/OM4-LC/24 Port HD Adaptor Panel (Labor and Material/Eqmt. to Install)	OCC	6124QLC50GHD	EACH	\$ -
3014	SM_LC/6 Port Standard Adaptor Panel (Labor and Material/Eqmt. to Install)	OCC	616DLC	EACH	\$ -
3015	Blank Cover Plates/ Adaptor Panel (Labor and Material/Eqmt. to Install)	OCC	600HD	EACH	\$ -
3016	Fiber Optic LC Connectors/ Single-mode Fiber- Fiber Termination (Labor and Material/Eqmt. to Install)	OCC	FC-LC-SM	EACH	\$ -
3017	Fiber Optic LC Connectors/ Multi-mode Fiber OM4- Fiber Termination (Labor and Material/Eqmt. to Install)	OCC	FC-LC-MM-Q/Q	EACH	\$ -
3018	Fiber SM Patch/Jumper Cord- 1M/3' (Labor and Material/Eqmt. to Install)	OCC	D8LCUPC-LC-1M	EACH	\$ -
3019	Fiber SM Patch/Jumper Cord- 2M/7' (Labor and Material/Eqmt. to Install)	OCC	D8LCUPC-LC-2M	EACH	\$ -
3020	Fiber SM Patch/Jumper Cord- 3M/10' (Labor and Material/Eqmt. to Install)	OCC	D8LCUPC-LC-3M	EACH	\$ -
3021	Fiber MM OM4 Patch/Jumper Cord- 1M/3' (Labor and Material/Eqmt. to Install)	OCC	D5LC-LC-1MG	EACH	\$ -
3022	Fiber MM OM4 Patch/Jumper Cord- 2M/7' (Labor and Material/Eqmt. to Install)	OCC	D5LC-LC-2MG	EACH	\$ -
3023	Fiber MM OM4 Patch/Jumper Cord- 3M/10' (Labor and Material/Eqmt. to Install)	OCC	D5LC-LC-3MG	EACH	\$ -
3024	Fiber ID/ Label Tags (Labor and Material/Eqmt. to Install)	Panduit	PST-FO	EACH	\$ -
3025	Fiber Fusion Splicing/ Fiber Fusion Splicing Heat Shrink Sleeves (Labor and Material/Eqmt. to Install)	Corning	2806031-01	EACH	\$ -
3026	Fiber Fan-out Kit (Labor and Material/Eqmt. to Install)	OCC	HCBK12-24900	EACH	\$ -
3027	FG8-6S48 Fiber Splice Case Kit (Labor and Material/Eqmt. to Install)	OCC	FG8-6S48	EACH	\$ -
3028	FG8-2S Fiber Splice Kit (Labor and Material/Eqmt. to Install)	OCC	FG8-2S	EACH	\$ -
3029	FG8-6S Fiber Splice Case Kit (Labor and Material/Eqmt. to Install)	OCC	FG8-6S	EACH	\$ -
3030	FGT-24S Splice Tray for 24 Fibers (Labor and Material/Eqmt. to Install)	OCC	FGT-24S	EACH	\$ -
3031	FGT-48S Splice Tray for 48 Fibers (Labor and Material/Eqmt. to Install)	OCC	FGT-48S	EACH	\$ -
3032	Fibregard Grommet Kits (Labor and Material/Eqmt. to Install)	OCC	FGD-1H	EACH	\$ -
3033	Fibregard Grommet Kits (Labor and Material/Eqmt. to Install)	OCC	FGD-2H	EACH	\$ -
3034	Fibregard Grommet Kits (Labor and Material/Eqmt. to Install)	OCC	FGD-4H	EACH	\$ -
3035	Fiber Test SM Per Fiber Strand w/Reports (Detail and Summary) (Labor and Material/Eqmt. to Install)	Labor	Labor	EACH	\$ -