

**I. GENERAL INFORMATION**

- a) Offerors are directed to price requirements/CLINs based on the contract type specified in the table below.

<b>SOW Section</b>	<b>Item Description</b>
C.4.1	General Equipment – Firm Fixed Unit Price
C.4.2	Horizontal and Vertical Cabling Infrastructure - Time & Materials
C.4.3	Fiber and Cable Installation Services - Firm Fixed Unit Price
C.4.4	Optical Fiber Cable Maintenance Services - Firm Fixed Unit Price
C.4.5	Heating, Ventilation and Air Conditioning Services - Time and Materials
C.4.6	Wireless Installs and Support Services – Time and Materials
C.4.7	Electrical Installs and Support Services - Time and Materials
C.4.8	Other Direct Costs – Cost-Reimbursable (TBD NTE Value)
C.4.9	Telecommunications Services - Time and Materials
C.4.10	Personnel Services and Job Descriptions – Time and Materials
C.4.11	Turn Key Solution Requirements - Time and Materials

- b) Offerors are directed to complete the pricing response tables herein to document their proposed pricing data. Please refer to the attachment Solicitation Document RFQ775521, of which pricing shall be based upon.
- c) Important requirement(s)/price-specific information and special terms are also shown below in the numbered sections to supplement this response sheet.

**II. BASE YEAR**

**a) CLIN 0001, General Equipment (SOW Section C.4.1)**

i. Pricing shall be based on Firm Fixed Unit Prices.

<b>Item Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Unit</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
1	AFL Telecommunications Fiber Storage Unit 16" HORIZ (pairs) "Snow Shoes"	911109-00	EA	50		
2	3M 33+ Electrical Tape Black	33+SUPER- 34X66FT	EA	100		
3	3M 35 Electrical Tape RED	35-RED-3/4	EA	20		
4	3M 35 Electrical Tape WHITE	35-WHITE-3/4	EA	20		
5	3M 35 Electrical Tape GREEN	35-GREEN-3/4	EA	30		
6	3M Telephone Tape 1" wide	88T	EA	100		
7	12-24 x 3/4" Phillips binder-head rack screws - bag of 50	97216873	50	20		
8	Chatsworth combination rack screws 12-24x5/8 - 1000 piece pkg	40605-004	1000	2		
9	Chatsworth flush- mounted wall bracket	11754-X19	EA	20		
10	Chatsworth stand-off tie bracket (package of 50)	10559-X50	50	5		
11	Cobra Wire #10 TC AWMTEW wire RED	A2010T01	FT	1000'		

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12	Cobra Wire #10 TC AWMTEW wire BLACK	A2010T07	FT	1000'		
13	Cobra Wire #4 X-Flex RED (420 x 30 stranding)	A2004B	FT	4000'		
14	Cobra Wire #4 X-Flex BLACK (420 x 30 stranding)	A2004B	FT	4000'		
15	Cobra Wire 4/0 X-Flex RED (2109 x 30 stranding)	A2140B	FT	1000'		
16	Cobra Wire 4/0 X-Flex BLACK (2109 x 30 stranding)	A2140B	FT	2000'		
17	19" dual inverter mtg plate	020-00117-101	EA	20		
18	23" dual inverter mtg pnl	020-00118-401	EA	20		
19	19" single inverter mtg pnl	020-00132-400	EA	20		
20	23" single inverter mgt pnl	020-00133-100	EA	20		
21	1100W, 48Vdc input, 117Vac/60Hz output INVERTER	XPk-1-4-6-1	EA	40		
22	CAT-6 non plenum UTP cable 1000' box-pack BLUE	6NP4P24-BL-P-GCCPV- CE	1000	75		

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23	CAT-6 non plenum UTP cable 1000' box-pack GRAY	6NP4P24-GY-P-GCCPV-CE	1000	30		
24	CAT-6 non plenum UTP cable 1000' box-pack WHITE	6NP4P24-WH-P-GCCPV-CE	1000	75		
25	Hubbell 50-amp 250-volt 2-pole 3-wire locking plug	CS8265C	EA	30		
26	Hubbell L5-20P 20-amp 120-volt Twist Lock Plug	HBL2311	EA	10		
27	Hubbell L6-20P 20-amp 240-volt Twist Lock Plug	HBL2321	EA	10		
28	Hubbell L6-30P 30-amp 240-volt Twist-Lock Plug	HBL2621	EA	50		
29	Hubbell 5-15P plug	HBL5266C	EA	20		
30	Hubbell 5-15R cable connector	HBL5269C	EA	10		
31	Hubbell 5-20P plug	HBL5366C	EA	20		
32	Newton 7' 19" 2-post Welded Steel Equipment Rack EIA	2059530130	EA	40		

<b>Item Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Unit</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
33	Newton 7' 23" 2-post Welded Steel Equipment Rack EIA	40110130	EA	15		
34	Newton 19" Split Shelf	NDRS19112030	EA	15		
35	Newton 23" Split Shelf	NDRS23112030	EA	5		
36	Newton 6" vertical cable manager	NVCM08460030	EA	30		
37	Newton 2' x 2" x 3/8" AUX BAR	10210130	EA	100		
38	Newton Instruments V-Bolts	10360010	EA	50		
39	Newton 6" 1-1/2" Solid Bar Ladder Rack (9' 8-1/2")	20030230	EA	15		
40	Newton 12" 1-1/2" Solid Bar Ladder Rack (9' 8-1/2")	20030630	EA	40		
41	Newton 1-1/2" ladder rack splices	20120010	EA	50		
42	Newton Cable Rack T-Junction	20140010	EA	50		
43	Newton J-Bolt for 2" Aux Bar	20630010	EA	50		
44	Newton ladder-rack wall angle 6"	21210230	EA	20		
45	Newton ladder-rack wall angle 12"	21210630	EA	50		
46	Newton Clip	30310110	EA	50		
47	Newton aux-bar clips	30310210	EA	50		

<b>Item Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Unit</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
48	Newton 1-RU blank panel	40270130	EA	20		
49	Newton 2-RU blank panel	40270230	EA	20		
50	Newton 4-RU blank panel	40270430	EA	20		
51	Newton 5-RU blank panel	40270530	EA	20		
52	Newton 19" Equipment Shelf 19-1/2" deep	40620430	EA	30		
53	Newton 19" x 10" rack shelf	40770130	EA	10		
54	Newton 23" rack shelf	45300230	EA	10		
55	Newton Instruments 23" to 19" rack adapter brackets 3-RU	2125250330	EA	25		
56	Newton Instruments 23" to 19" rack adapter brackets 4-RU	2125250430	EA	25		
57	Newton Instruments 23" to 19" rack adapter brackets 5-RU	2125250530	EA	25		
58	Newton Instruments 23" to 19" rack adapter brackets 6-RU	2125250630	EA	25		
59	Newton Instruments 23" to 19" rack adapter brackets 7-RU	2125250730	EA	25		
60	Newton Instruments 23" to 19" rack adapter brackets 8-RU	2125250830	EA	25		

<b>Item Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Unit</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
61	Panduit RJ-45 Modular Plug	MP588-C	EA	500		
62	Panduit 2-jack surface mount box	NK2BXWH-A	EA	1000		
63	Panduit NetKey 2-position Face Plate	NK2FWHY	EA	1000		
64	Panduit Net-Key RJ-11 jack inserts	NK366MBLY	EA	250		
65	Panduit NetKey face plate 3-JACK WHITE	NK3FNWH	EA	250		
66	Panduit 4-jack surface mount box	NK4BXWH-A	EA	250		
67	Panduit NetKey 4-position Face Plate	NK4FWHY	EA	250		
68	Panduit CAT-6 Modular Jack - BLUE	NK688MBU	EA	1000		
69	Panduit RJ45 CAT-6 Jack GRAY	NK688MGY	EA	1000		
70	Panduit CAT-6 Modular Jack - ORANGE	NK688MOR	EA	250		
71	Panduit CAT-6 Modular Jack - WHITE	NK688MWH	EA	100		
72	Panduit NetKey CAT-6 RJ45 jack YELLOW	NK688MYL	EA	250		
73	Panduit NetKey blank filler	NKBMWHX	EA	1000		
74	12-volt 12-aH battery	UB12120	EA	100		
75	Rittal M6x16 Posi-drive screws w/washers (pkg of 100)	2089	100	20		

Item Number	Description	Part Number	Unit	Estimated Qty/Year	Unit Price	Extended Price
76	Rittal M6 EL captive nuts w/o contact (pkg of 50)	2092.2	50	20		
77	Rittal cabinet hardware	7000.64	SET	10		
78	Rittal cable guide rings (pkg of 10)	7111.9	10	20		
79	Rittal TS Baying Connector	8800.49	SET	10		
80	Rittal 80" x 40" side wall	9968.596	EA	5		
81	Rittal server cabinet 84" high x 40" deep	9969.835	EA	20		
82	Server Tech 110v 16-outlet 0-U 20-amp master PDU w/7' pwr cord	CW-16V1-C20MX	EA	5		
83	Server Tech Switched CDU 18-C13/6 C19 208v 30a w/L6-30P and 10' cable - MASTER	CW-24V2C311A1	EA	15		
84	Server Tech 110v 16-outlet 0-U 20-amp expansion PDU w/7' pwr cord	CX-16V1-C20MX	EA	5		
85	Server Tech Switched CDU 18-C13/6 C19 208v 30a w/L6-30P and 10' cable - EXPANSION	CX-24V2C311A1	EA	15		
86	IEC 60320/C19-L5-20P (20 amp twist lock) 10ft Power Cable	PTCORD-7	EA	10		
87	Server Tech Switched Power Tower 16-NEMA 5-20R w/DUAL L5-30P input	PTXL-HD16-1-05	EA	5		

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88	Siemon "110" block 100-pair - 25-pair punch-down	S110AA2-100FT	EA	100		
89	Siemon "110" block 100-pair - 4-pair punch-down	S110AB2-100FT	EA	100		
90	Siemon 89-mount 110-Type Connecting Block 50-pair	S110DA1-50FT-89	EA	50		
91	Siemon 66-Type Connecting Block 50-pair	S66M1-50	EA	50		
92	Siemon "66" block mounting bracket	S89B	EA	200		
93	Siemon 2-pos Bridge Clip - bag of 100	SA1-100	100	10		
94	T&B #6-awg 1-hole 3/8" comp-lug	54135	EA	100		
95	T&B #6-awg 1-hole 3/8" comp-lug	54136	EA	100		
96	T&B #4-awg 1-hole 5/16" comp-lug	54139	EA	250		
97	T&B #4-awg 1-hole 3/8" comp-lug	54140	EA	250		
98	T&B #10-12 1/4" Insulated Disconnect	10RC-2577	EA	250		
99	T&B #16-14 1/4" Insulated Disconnect	14RB-2577	EA	100		
100	T&B 2/0 2-hole comp term 1/4" x 5/8"	54814BE	EA	100		

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101	T&B 2/0 2-hole 90-degree comp term 1/4" x 5/8"	54814BEUB	EA	100		
102	T&B 8-awg 2-hole comp-lug	54850BE	EA	100		
103	T&B 6-awg 2-hole comp-lug	54852BE	EA	250		
104	T&B 2-hole 1/4" x 5/8" #4 awg compression lug	54854BE	EA	1000		
105	T&B 2-awg 2-hole comp-lug	54855BE	EA	200		
106	T&B 1/0-awg 2-hole comp-lug	54859BE	EA	100		
107	T&B 6-awg 1-hole comp-lug	54905BE	EA	200		
108	T&B 1-hole 1/4" #4 awg compression lug	54906BE	EA	100		
109	T&B 1/2" Spring Nut (per hundred)	A100 1/2	EA	100		
110	T&B 1-1/2 x 1-1/2" Channel (Uni-Strut) Half-Slot 10' length	A1200HS 10	EA	20		
111	T&B Steel Joiner Channel	B 941	EA	10		
112	T&B 1/2" Clear Heat-Shrink Tubing #2-4 (50' roll)	CHS12	50'	50		
113	T&B 3/4" Clear Heat Shrink Tubing (50' roll)	CHS34	50'	10		
114	T&B 3/8" Clear Heat-Shrink Tubing (50' roll)	CHS38	50'	10		

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115	T&B 1" Clear Heat-Shrink Tubing (25' roll)	CHS100	25'	20		
116	T&B 1-1/2" Clear Heat-Shrink Tubing (25' roll)	CHS112	25'	10		
117	T&B #14-16 Insulated Ring #10 Bolt	RB14-10	100	250		
118	T&B #14-16 Insulated Ring #6 Bolt	RB14-6	100	250		
119	T&B #14-16 Insulated Ring #8 Bolt	RB14-8	100	250		
120	T&B #10-12 Insulated Ring #10 Bolt	RC10-10	100	250		
121	T&B 12-10awg 1/4" bolt insulated ring Crimp Terminals	RC10-14	100	250		
122	T&B #10-12 Insulated Ring #6 Bolt	RC10-6	100	250		
123	T&B 12-10awg #8 bolt insulated ring Crimp Terminals	RC10-8	100	250		
124	T&B TC345X TY-RAP Blocks (1000 piece pkg)	TC345X	1000	2		
125	T&B TC347X TY-RAP Blocks (1000 piece pkg)	TC347X	1000	2		

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126	T&B Nylon Cable Tie 3-1/2"	TY-23M	100	5		
127	T&B Nylon Cable Tie 5"	TY-24M	100	10		
128	T&B Nylon Cable Tie 7"	TY-25M	100	10		
129	T&B Nylon Cable Tie 8" Black Weather-Proof	TY272MX	100	5		
130	T&B Nylon Cable Tie 18"	TY-275M	100	20		
131	T&B Nylon Cable Tie 18" Black Weather-Proof	TY-275MX	100	20		
132	T&B Nylon Cable Tie 13"	TY-27M	100	50		
133	Standard Fusion Splice Heat Shrink Sleeves 60mm	F1-1002	EA	5000		
134	Tyco Splice Case FOSC400 A 4-cable entry	FOSC400-A4-NT-0-BGV	EA	10		
135	Tyco/Raychem Splice Closure	FOSC-400-D5-NT-0-BGV	EA	10		
136	Tyco Electronics (RAYCHEM) D6-450 splice closure	FOSC-450-D6-6-NT-0-T6G	EA	10		
137	Tyco Electronics (RAYCHEM) A12 splice tray	FOSC-ACC-A-TRAY-12	EA	10		
138	Tyco Cable Management Basket - Tall	FOSC-ACC-BASKET-TALL	EA	10		
139	Tyco Splice Tray B 12-Fiber	FOSC-ACC-B-TRAY-12	EA	10		
140	Tyco Electronics (RAYCHEM) 1-BT cable seal kit	FOSC-ACC-CABLE-SEAL-1-BT	EA	10		

Item Number	Description	Part Number	Unit	Estimated Qty/Year	Unit Price	Extended Price
141	Tyco/RAYCHEM Splice Closure Seal Kits	FOSC-ACC-CABLE-SEAL-2-NT	EA	10		
142	Tyco Large Slack Basket	FOSC-ACC-D-BASKET	EA	10		
143	Tyco Electric D-series Basket 36-splice tray	FOSC-ACC-D-TRAY-36	EA	10		
144	Tyco Electronics (RAYCHEM) wall/pole mount kit	FOSC-ACC-WALL/POLE-MOUNT	EA	10		
145	Tyco FOSC Cable Seal Kit 1BT	FOSC-CABLE-SEAL-1BT	EA	10		
146	FPS-6 Splice Sleeve Ribbon 40mm Single Strength Member (pkg of 25)	SPLICERBN25	PKG	500		
147	Carol Cable 8-3 Power Cable SOOW-8-3-BLK	16063-BLK-CUT REEL	250'	4		
148	General Cable 1-pr 24-awg cross-connect wire BL/W-W/BL	2113054	FT	20,000'		
149	General Electric fluorescent lamp CFL low watt BIAX plug-in T4	F13BX/827/ECO	EA	30		
150	General Electric fluorescent lamp CFL 18-watt DOUBLE BIAX plug-in T4	F18DBX/835/ECO4P	EA	30		
151	General Electric fluorescent lamp	F25T8/SP30/ECO	EA	30		

Item Number	Description	Part Number	Unit	Estimated Qty/Year	Unit Price	Extended Price
152	GE Fluorescent Lamp	F25T8/SPX30/ECO	EA	30		
153	General Electric fluorescent lamp CFL 26-watt DOUBLE BIAX plug-in T4	F26DBX/835/ECO4P	EA	30		
154	GE Fluorescent Lamp	F28T5 (3500K)	EA	30		
155	General Electric fluorescent lamp 1-5/8" U	F31T8/SPX30/U	EA	15		
156	GE Fluorescent Lamp	F32T8/SPX30/ECO	EA	15		
157	1/2-13 x 1" HEX HEAD CAP SCREW	JBHC46	100	2		
158	3/8" x 1 HEX HEAD LAG SCREW	JBLS45	100	3		
159	1/2-13 Drop-In Anchor	JDIA12	100	3		
160	1/2" Split Lock Washer	JSLW10	100	2		
161	3/8" Flat Washers	JSW75	100	5		
162	1/2" Flat Washers	JSW76	100	5		
163	#8 x 1-1/4" Panhead Self-Tapping Screw	JTS22	100	10		
164	10-3 SJO BLACK Power Cable	N/A	FT	1000		
165	23" Compact Rectifier Shelf single/dual feed with LVD	CC9S-ANL-VC	EA	10		
166	250-amp x 4 x 20 System [Q4825N-23DC01-C G1]	264829	EA	15		
167	500-amp x 4 x 20 System [Q4850N-23SD01-C G1]	N/A	EA	5		

<b>Item Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Unit</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
168	500-amp x 4 x 44 System [Q4850N-23DD01-C01-C G1]	266960	EA	2		
169	500-amp x 4 x 44 System [Q4850N-23SD01-C01-C G1]	266962	EA	2		
170	System Controller with Ethernet	BC2000-A01-10VC	EA	75		
171	FP2 system w/ controller 2B, 2L Breakers, 12 GMT fuses	261442	EA	20		
172	FP2 2000W rectifier High Efficiency	241115.105	EA	100		
173	50-amp 48-volt Rectifier Module	V2500A-VC	EA	175		
174	20-amp 48-volt High Efficiency Rectifier Module	V1000A-HE	EA	20		
175	Blank Rectifier Module	V-Blank-VC	EA	25		
176	Cable pair #2 10-foot 2-hole 1/4 x 5/8 both ends	BP1001002DDVV	SET	100		
177	Cable pair #2 10-foot 2-hole 1/4 x 5/8 and 1-hole 1/4	BP1001002DDV0	SET	100		
178	25-amp mid-trip bullet circuit breaker	CBB-025M	EA	72		
179	30-amp mid-trip bullet circuit breaker	CBB-030M	EA	72		
180	40-amp mid-trip bullet circuit breaker	CBB-040M	EA	72		
181	50-amp mid-trip bullet circuit breaker	CBB-050M	EA	72		
182	60-amp mid-trip bullet circuit breaker	CBB-060M	EA	72		
183	80-amp mid-trip bullet circuit breaker	CBB-080M	EA	72		

<b>Item Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Unit</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
184	100-amp mid-trip bullet circuit breaker	CBB-100M	EA	72		
185	Plus SA000000802 Kit	CBB-150M	EA	30		
186	Plus SA000000802 Kit	CBB-200M	EA	20		
187	Plus SA000000802 Kit	CBB-250M	EA	20		
188	GMT Fuse Module for Integrated Shelf (5-fuse/2-position)	GMT-5P	EA	25		
189	Temperature Probe	TPR10	EA	10		
190	155-aH 48-volt Battery String (12V155FS Enersys)	506574	SET	50		
191	23" Battery Tray	504880	EA	50		
192	125-aH 48-volt Battery String (12V125F Enersys)	502877	SET	50		
193	19" Battery Tray	217035	EA	50		
194	Load Center Frame 600A 10-pos A & B	600CB10	EA	15		
195	Busbar adapter 1-pole 600CB1X	600CB1X-1PK	EA	300		
196	Hi Power Fuse Panel GMT 10/10	20HPGMT05R	EA	5		
197	Fiber Guide 4" Horizontal Straight Section 6'	FGS-MSHS-A	EA	20		
198	Fiber Guide 4" Downspout	FGS-MDSP-A	EA	30		
199	Fiber Guide 4" Horizontal T	FGS-MHRT-A	EA	10		
200	Fiber Guide 4" 90-degree Horizontal Elbow	FGS-MH9E-A	EA	10		

<b>Item Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Unit</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
201	Fiber Guide Ladder Rack Bracket Kit	FGS-HDLB-4	EA	50		
202	Fiber Guide 4" Snap-Fit Junction	FGS-MFAW-A	EA	50		
203	Savi Office Wireless Headset	WO100	EA	100		
204	EHS for Cisco VoIP Telephone Sets	APC40	EA	75		
205	EHS for Avaya VoIP Telephone Sets	APV62	EA	75		
206	X-Flex 4-0 awg BLACK cable (2109 x 30 stranding)	A2140B	FT	500		
207	X-Flex 4-0 awg RED cable (2109 x 30 stranding)	A2140B	FT	500		
208	SupraPlus HW251 monaural headset	64336-31	EA	75		
209	HIS Avaya Adapter Cable	72442-41	EA	75		
210	50um MM OM3 Ultrabend Duplex patch cord LC-LC 1M	797902TD120001M	EA	50		
211	50um MM OM3 Ultrabend Duplex patch cord LC-LC 3M	797902TD120003M	EA	75		
212	50um MM OM3 Ultrabend Duplex patch cord LC-LC 5M	797902TD120005M	EA	75		
213	50um MM OM3 Ultrabend Duplex patch cord LC-LC 10M	797902TD120010M	EA	25		

<b>Item Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Unit</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
214	SM Bend-Insensitive Duplex patch cord LC-LC 1M	787802GD120001M	EA	20		
215	SM Bend-Insensitive Duplex patch cord LC-LC 3M	787802GD120003M	EA	30		
216	SM Bend-Insensitive Duplex patch cord LC-LC 5M	787802GD120005M	EA	30		
217	SM Bend-Insensitive Duplex patch cord LC-LC 10M	787802GD120010M	EA	25		
218	SM Bend-Insensitive Duplex patch cord LC-SC 1M	727802GD120001M	EA	20		
219	SM Bend-Insensitive Duplex patch cord LC-SC 3M	727802GD120003M	EA	40		
220	SM Bend-Insensitive Duplex patch cord LC-SC 5M	727802GD120005M	EA	50		
221	SM Bend-Insensitive Duplex patch cord LC-SC 10M	727802GD120010M	EA	30		
222	SM Bend-Insensitive Duplex patch cord SC-SC 1M	727202GD120001M	EA	15		
223	SM Bend-Insensitive Duplex patch cord SC-SC 3M	727202GD120003M	EA	15		

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224	SM Bend-Insensitive Duplex patch cord SC-SC 5M	727202GD120005M	EA	15		
225	SM Bend-Insensitive Duplex patch cord SC-SC 10M	727202GD120010M	EA	15		
226	50um MM OM3 Ultrabend Duplex patch cord LC-SC 3M	577902TD120003M	EA	30		
227	50um MM OM3 Ultrabend Duplex patch cord LC-SC 5M	577902TD120005M	EA	30		
228	50um MM OM3 Ultrabend Duplex patch cord LC-SC 10M	577902TD120010M	EA	15		
229	Hubbell RE-Box IDF42 Cabinet	IDF42	EA	10		
230	Hubbell Patch Panel mounting bracket	REK19	EA	5		
231	Hubbell Equipment mounting bracket	REKZ	EA	50		

**Grand Total for CLIN 0001:**

**b) CLIN 0002, Horizontal and Vertical Cabling Infrastructure (SOW Section C.4.2)**

1. Offerors shall provide Firm Fixed pricing.
2. Pricing shall include all necessary labor and materials.

**i. STATION OUTLETS**

**Note:** Terminations are considered to be at Station and Patch Panel Ends.

Historical Average (175' Per Drop)

**A. 2- PORT RJ45 WALL-MOUNTED OUTLET**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (2) 4 pair UTP Cat6 cable (Plenum)
2. Station outlet components
3. Termination
4. Testing
5. Labeling

Please provide pricing:

Drop Count	Estimated Quantity	Unit Price per Drop	Total Price
1 - 10	10		
11 - 50	20		
51 - 100	20		
100+	20		

**B. 2- PORT RJ45 FURNITURE-MOUNTED OUTLET**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (2) 4 pair UTP Cat6 cable (Plenum)
2. Station outlet components
3. Termination
4. Testing
5. Labeling

Please provide pricing:

Drop Count	Estimated Quantity	Unit Price per Drop	Total Price
1 - 10	10		
11 - 50	20		
51 - 100	20		
100+	20		

**C. CATV-1-PORT- RG-6 WALL-MOUNTED OUTLET**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) RG-6 Plenum Cable
2. Station Outlet Components (F-Connector)
3. Termination
4. Testing
5. Labeling

Please provide pricing:

Drop Count	Estimated Quantity	Unit Price per Drop	Total Price
1 - 10	10		
11 - 50	20		
51 - 100	20		
100+	20		

**D. 1-PORT WALL-MOUNTED TELEPHONE OUTLET**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) x 4 Pair UTP Cat6 Cable (plenum)
2. Station Outlet Components
3. Termination
4. Testing
5. Labeling

Please provide pricing:

Drop Count	Estimated Quantity	Unit Price per Drop	Total Price
1 - 10	10		
11 - 50	20		
51 - 100	20		
100+	20		

**A. COPPER TIE CABLE (110)**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) x 25-Pair Category 5e Cable
2. 110 100-Pair Block w/Legs
3. Termination (Both Ends)
4. Testing
5. Labeling

Please provide pricing:

Drop Count	Estimated Quantity	Unit Price per Drop	Total Price
1 - 10	10		
11 - 50	20		
51 - 100	20		
100+	20		

**B. COPPER TIE CABLE (Patch Panel)**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) x 25-Pair Category 6 Cable
2. 24-Port Category 5e Patch Panel
3. Termination (Both Ends)
4. Testing
5. Labeling

Please provide pricing:

Drop Count	Estimated Quantity	Unit Price per Drop	Total Price
1 - 10	10		
11 - 50	20		
51 - 100	20		
100+	20		

**iii. BACKBONE (Fiber-Multi Mode)**

Historically (2) 6-Strands (1A and 1B)

**A. 6-STRAND 50um MM Riser Rated**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) x 6-Strand 50um MM Riser Rated
2. 1RU Rack Mount Fiber Housing Unit
3. 4RU Rack Mount Fiber Housing Unit
4. 50um SC MM Adapter Panel
5. 50um SC MM Unicam Connector
6. Termination (Both Ends)
7. Testing
8. Labeling

Assume 200-foot distance.  
 Please provide pricing:

Unit	Estimated Range	Unit Price	Total Price
Feet	1 - 20		

**B. 24-STRAND 50um MM Riser Rated**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) x 6-Strand 50um MM Riser Rated
2. 1RU Rack Mount Fiber Housing Unit
3. 4RU Rack Mount Fiber Housing Unit
4. 50um SC MM Adapter Panel
5. 50um SC MM Unicam Connector
6. Termination (Both Ends)
7. Testing
8. Labeling

Assume 200-foot distance.

Please provide pricing:

Unit	Estimated Range	Unit Price	Total Price
Feet	1 - 20		

**iv. BACKBONE (Fiber-Single Mode)**

**A. 6-STRAND 50um SM Riser Rated**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) x 6-Strand 9/125 SM Riser Rated
2. 1RU Rack Mount Fiber Housing Unit
3. 4RU Rack Mount Fiber Housing Unit
4. 50um SC MM Adapter Panel
5. 50um SC MM Unicam Connector
6. Termination (Both Ends)
7. Testing
8. Labeling

Assume 200-foot distance.

Please provide pricing:

Unit	Estimated Range	Unit Price	Total Price
Feet	1 - 20		

**B. 12-STRAND 50um SM Riser Rated**

The table below represents drop counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) x 6-Strand 9/125 SM Riser Rated
2. 1RU Rack Mount Fiber Housing Unit
3. 4RU Rack Mount Fiber Housing Unit
4. 50um SC MM Adapter Panel
5. 50um SC MM Unicam Connector
6. Termination (Both Ends)
7. Testing
8. Labeling

Assume 200-foot distance.

Please provide pricing:

Unit	Estimated Range	Unit Price	Total Price
Feet	1 - 20		

**C. 24-STRAND 50um SM Riser Rated**

The table below represents counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

1. (1) x 6-Strand 9/125 SM Riser Rated
2. 1RU Rack Mount Fiber Housing Unit
3. 4RU Rack Mount Fiber Housing Unit
4. 50um SC MM Adapter Panel
5. 50um SC MM Unicam Connector
6. Termination (Both Ends)
7. Testing
8. Labeling

Assume 200-foot distance.

Please provide pricing:

Unit	Estimated Range	Unit Price	Total Price
Feet	1 - 20		

**v. Telephone Room (TR) BUILD OUT**

Historically (2) 19" Racks (1) 23" Rack

The table below represents counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected

below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of all labor and materials.

Please provide pricing:

		Estimated Quantity	Unit	Unit Price	Total Price
1	7" x 19" Equipment Rack (Newton)	5-10	each		
2	7' x 23" Equipment Rack (Newton)	5-10	each		
3	6" Vertical Wire Manager	5-10	each		
4	2RU Horizontal Wire Manager	5-10	each		
5	48-Port Cat6 Patch Panel	5-10	each		
6	24-Port Cat6 Patch Panel	5-10	each		
7	12" Ladder Rack	5-10	each		

**vi. Patch Cords**

**A. Cat6 Copper Patch Cords**

The table below represents counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of labor and materials.

Please provide pricing:

<b>Description</b>	<b>Estimated Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
3' Category 6 Patch Cable	200	each		
7' Category 6 Patch Cable	500	each		
10' Category 6 Patch Cable	500	each		
12' Category 6 Patch Cable	500	each		
15' Category 6 Patch Cable	500	each		
3' Category 6 Patch Cable (Orange)	500	each		
7' Category 6 Patch Cable (Orange)	500	each		

**B. 50um MM SC Patch Cords**

The table below represents counts that have been historically utilized. It reflects the quantities that have been used with the ranges reflected below. Please identify your unit costs based on the ranges shown below along using the estimated quantity to be utilized during the course of the year. The price needs to be inclusive of

		Estimated Quantity	Unit	Unit Price	Total Price
1	3 meter SC-SC Patch Cord		each		
2	5 meter SC-SC Patch Cord		each		
3	10 meter SC-SC Patch Cord		each		

**Grand Total for CLIN 0002:**

**c) CLIN 0003, Fiber and Cable Installation Services (ISP & OSP Construction Requirements)  
(See SOW Requirements C.4.3)**

1. Pricing shall be based on Firm Fixed Unit Prices.
2. Pricing will be evaluated based upon cost per foot deployed both aerial and underground.
3. The District may retain 10% of the gross amount invoiced by Contractor until the plant constructed is placed in service or until Contractor demonstrates that the condition of the plant is verified to meet specifications and performance standards.
4. SOW Section C.4.3.6.4 (b): The provision of all material except for the pull box, which will be billed separately under the material section.
5. SOW Section C.4.3.6.4.(c) : All material except for the inner duct will be billed separately under the material section.
6. SOW Section C.4.3.6.5 (4): The unit price will be for all soil conditions and restoration of RJW to original or better condition.
7. SOW Section C.4.4.6.5 (5): Pricing shall include all disposal fees.
8. SOW Section C.4.3.6.5. (6): Pricing shall include all disposal fees.
9. SOW Section C.4.3.6.5 (8): This unit shall include the cost of the concrete, which shall include delivery charges.
10. SOW Section C.4.3.6.5 (10): Other units pay for saw cutting, rock removal, installation of ground wire and rods.
11. SOW Section C.4.3.6.5 (11): Other units pay for saw cutting, rock removal, installation of ground wire and rods.
12. SOW Section C.4.3.6.5 (12): Other units pay for saw cutting, rock removal, installation of ground wire and rods.
13. SOW Section C.4.3.6.5 (13): Other units pay for saw cutting, rock removal, installation of ground wire and rods.
14. SOW Section C.4.3.6.5 (14): Other units pay for saw cutting, rock removal, installation of ground wire and rods.
15. SOW Section C.4.3.6.5 (20): Pricing shall include the cost of concrete.

- 16.** SOW Section C.4.3.6.5 (21): The area to be covered and billed should be only that which is necessary to restore the job site to its original status
- 17.** SOW Section C.4.3.6.5 (33): This rate is supplemental to the typical LF cable removal price, which applies to routine cable removal. This will require District management approval prior to spending the extra hours.
- 18.** Each identifier in the left column of the below table corresponds to SOW tasks covered under SOW Section C.4.3.6.

<b>SOW</b>	<b>ITEM</b>	<b>UOM</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
<b>C.4.3.6.4 (a)</b>	Standard wall penetration hole 2½” w/fire stop - not a core drill	EA	50		
<b>C.4.3.6.4 (b)</b>	Place pull box - all sizes	EA	3		
<b>C.4.3.6.4 (c)</b>	Place Inner Duct - All Sizes	LF	4000		
<b>C.4.3.6.5 (1)</b>	Conduit placement excavation set-up - under 50’	EA	5		
<b>C.4. 3.6.5(2)</b>	Saw-cutting - asphalt and concrete	LF	426		
<b>C.4. 3.6.5 (3)</b>	Asphalt and/or concrete removal	CYd	47		
<b>C.4.3.6.5 (4)</b>	Dig/fill straight access pit 4’ x 4’ x 4’	EA	32		
<b>C.4. 3.6.5 (5)</b>	Excavation - 0’ to 10’ depth	LF	0		

<b>SOW</b>	<b>ITEM</b>	<b>UOM</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
<b>C.4. 3.6.5 (6)</b>	Hand trench and place conduit 36" deep	LF	413		
<b>C.4. 3.6.5 (7)</b>	Rock removal	CYd	0		
<b>C.4. 3.6.5 (8)</b>	Concrete protective cover over conduit - 6" minimum	LF	422		
<b>C.4. 3.6.5 (9)</b>	Core bore vault / manhole / handhole up to 6" diameter core	EA	42		
<b>C.4. 3.6.5 (10)</b>	Install 4' x 4' x 4' pre-cast manhole	EA	0		
<b>C.4. 3.6.5 (11)</b>	Install pre-cast handhole w/pea rock - 24" x 36" x 36"	EA	0		
<b>C.4. 3.6.5 (12)</b>	Install quartzite handhole with pea rock – 30"x48"x36"deep	EA	6		
<b>C.4. 3.6.5 (13)</b>	Install quartzite handhole with pea rock – 36"x60"x36"deep	EA	15		
<b>C.4. 3.6.5 (14)</b>	Install 1- 4" PVC conduit	LF	1,366		
<b>C.4. 3.6.5 (15)</b>	Install inner duct in conduit	LF	184,055		
<b>C.4. 3.6.5 (16)</b>	Install multiple inner duct in conduit	LF	4,763		
<b>C.4. 3.6.5 (17)</b>	Install riser w/U-guard	LF	55		
<b>C.4. 3.6.5 (18)</b>	Temporary cold patch	SF	600		
<b>C.4. 3.6.5 (19)</b>	Temporary hot patch	SF	0		
<b>C.4. 3.6.5 (20)</b>	Concrete placement	CYd	50		
<b>C.4. 3.6.5 (21)</b>	Restoration of Decorative Stone	SF	100		

SOW	ITEM	UOM	Estimated Qty/Year	Unit Price	Extended Price
C.4. 3.6.5 (22)	Install fiber optic cable in outside conduit or inner duct	LF	270,778		
C.4. 3.6.5 (23)	Install additional fiber optic cable in outside conduit or inner duct	LF	2,500		
C.4. 3.6.5 (24)	Install fiber optic cable in inside conduit or inner duct	LF	31,495		
C.4. 3.6.5 (25)	Place slack coil in inside or outside environment	EA	52095		
C.4. 3.6.5 (26)	Remove underground fiber optic cable or inner duct	LF	2,547		
C.4. 3.6.5 (27)	Rodding existing conduit - 3/8" fiberglass rod	LF	223,806		
C.4. 3.6.5 (28)	Rodding existing conduit - 3/4" stick rod	LF	111,902		
C.4. 3.6.5 (29)	Remove and dispose lead cable from underground conduit	LF	22,986		
C.4. 3.6.5 (30a)	Regular tree trimming	LF	12,871		
C.4. 3.6.5 (30b)	Install vertical ground with rod	EA	2		
C.4. 3.6.5 (30c)	Reframe pole	EA	78		
C.4. 3.6.5 (30d)	Install strand and hardware	FT	11,741		
C.4. 3.6.5 (30e)	Install/remove dead-end	EA	10		
C.4. 3.6.5 (30f)	Resag strand	EA	5358		
C.4. 3.6.5 (30g)	Install screw anchor normal soil w/guy and guard	EA	5		
C.4. 3.6.5 (30h)	Install anchor, eye rod -any type except screw	EA	5		

<b>SOW</b>	<b>ITEM</b>	<b>UOM</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
<b>C.4. 3.6.5 (30i4)</b>	Remove anchor w/guy & eye rod - any type	EA	5		
<b>C.4. 3.6.5 (30k)</b>	Install/remove down guy w/guy guard and/or sidewalk guy arm	EA	5		
<b>C.4. 3.6.5 (30k)</b>	Install/remove overhead guy	EA	5		
<b>C.4. 3.6.5 (30l)</b>	Install/remove pole-to-pole guy	EA	5		
<b>C.4. 3.6.5 (30m)</b>	Install/remove cable extension arm	EA	5		
<b>C.4. 3.6.5 (30n)</b>	Resag/retention down guy	EA	5		
<b>C.4. 3.6.5 (30o)</b>	Aerial cable setup 500' or less	EA	46		
<b>C.4. 3.6.5 (30p)</b>	Place aerial fiber optic cable with single overlash	LF	0		
<b>C.4. 3.6.5 (30q)</b>	Place aerial fiber optic cable with dual overlash	LF	0		
<b>C.4. 3.6.5 (30r)</b>	Place aerial Fiber Optic Cable including de-lashing and dual over-lashing.	LF	293,917		
<b>C.4. 3.6.5 (30s)</b>	Dual lash cable - first cable	LF	10,239		
<b>C.4. 3.6.5 (30t)</b>	Place additional cable	LF	0		
<b>C.4. 3.6.5 (30u)</b>	Cleat cable to exterior of building	EA	2405		
<b>C.4. 3.6.5 (30v)</b>	Place aerial fiber single loop -for storage or slack	EA	55		
<b>C.4. 3.6.5 (30w)</b>	Place aerial fiber dual loop for storage or slack	EA	149		

<b>SOW</b>	<b>ITEM</b>	<b>UOM</b>	<b>Estimated Qty/Year</b>	<b>Unit Price</b>	<b>Extended Price</b>
<b>C.4. 3.6.5 (30x)</b>	U-guard installation/removal - any type	EA	45		
<b>C.4. 3.6.5 (30y)</b>	Install tree guard	EA	131		
<b>C.4. 3.6.5 (30z)</b>	Building attachment - includes hardware, as specified	EA	50		
<b>C.4. 3.6.5 (31a)</b>	Install hand trench 1.25" innerduct	LF	0		
<b>C.4. 3.6.5 (31b)</b>	Install machine trench 1.25" innerduct	LF	0		
<b>C.4. 3.6.5 (31c)</b>	Hand trench/place cable 36" linear foot	LF	0		
<b>C.4. 3.6.5 (31d)</b>	Trench one (1) - 4" HDPE using machinery - using machinery	LF	0		
<b>C.4. 3.6.5 (31e)</b>	Hand trench/place one (1) - 4" HDPE (Trenching in excess of 36" depth using machinery - each 6" in excess	LF	0		

SOW	ITEM	UOM	Estimated Qty/Year	Unit Price	Extended Price
	<b>Personnel</b>				
<b>C.4. 3.6.5 (32a)</b>	Manhole survey crew; 2 techs, including butterfly	HR	0		
<b>C.4. 3.6.5 (32b)</b>	Manhole survey crew; 1 tech	HR	0		
<b>C.4. 3.6.5 (32c)</b>	Manhole survey crew; 2 techs, no butterfly	HR	288		
<b>C.4. 3.6.5 (32d)</b>	Three (3)-man line crew	HR	0		
<b>C.4. 3.6.5 (33a)</b>	Laborer / Flagger	HR	0		
<b>C.4. 3.6.5 (33b)</b>	Truck driver	HR	0		
<b>C.4. 3.6.5 (33c)</b>	2 Man Fully Equipped Splicing Crew	HR	1562		
<b>C.4. 3.6.5 (33d)</b>	Cable Locator with Truck, Tools, and Paint	HR	40		
<b>C.4. 3.6.5 (33e)</b>	Material Pickup - When required	MILE	0		
<b>C.4. 3.6.5 (33f)</b>	Obstruction dig, new unit -Unit rate per dig	Unit	28		
<b>C.4. 3.6.5 (33g)</b>	ISP crew - unit daily rate for fully equipped truck and two (2) technicians	Daily	10		
<b>C.4. 3.6.5 (33h)</b>	Cable Removal Extension Hourly Crew	HR	0		
<b>C.4. 3.6.5 (33i)</b>	Conduit Wash	HR	0		

**Grand Total for CLIN 0003:**

**d) CLIN 0004, Optical Fiber Cable Maintenance (SOW Section C.4.4)**

5. Pricing shall be based on Firm Fixed Unit Prices.
5. SOW Section C.4.4.2(b): There shall be no additional charge for scheduled or preventive maintenance outside of regular workday hours.
5. SOW Section C.4.4.9: Pricing must include “Dead Work” splicing, interpreted as New Lateral prep & Cut-in at existing Splice Points, and redirecting of network fibers to accommodate turn-up of new Demarks and new or existing backbone fiber splicing. Pricing must include “new work” splicing, interpreted as prep and splicing of existing un-prepped Buffer tubes at existing splice points, and the prep and splicing of newly constructed splice points.
5. For the personnel and equipment documented below, District requires a yearly quote for maintenance services reflective of 24-hour/7 day availability, inclusive of a 40-hour work week with specified duties assigned, supervised, and evaluated by District. Where emergent needs combined with normal work week total a 7 day period in excess of 40 hours, District reserves right to either grant time off in lieu of additional compensation or pay an additional hourly rate as quoted by Contractor for hours over and above the 40 hour period.
5. In an effort to ensure timely responsiveness to identified outages coupled with full productivity during daily preventative maintenance work periods, District requires contracted personnel to store vehicles/material at secured, District provided facility located within the District of Columbia. The District will provide access and space.

Provide a fixed cost element on an annual basis for:

- a) One senior splicer and one non-senior splicer working forty hours a week over a 7 day, spanning a full calendar year period.
- b) Vehicles
  - i. Bucket
  - ii. Truck
- c) Trailer
  - i. Primary trailer including environmental and major components (provide details like trailer type and environmental and component listing).
  - ii. Secondary trailer including environmental and major components (provide details like trailer type and environmental and component listing).

**d) Equipment**

- i. Fusion Splicer
  - (a) Primary unit (provide unit type, make, model and year).
  - (b) Secondary unit (provide unit type, make, model and year).
- ii. Test Equipment
  - (a) OTDR
    - 1. Primary unit (provide unit type, make, model and year).
    - 2. Secondary unit (provide unit type, make, model and year).
  - (b) Other
    - 1. Arrow boards (2) – required on an as needed bases.

**e) Laptop with wireless card.**

**f) Cell phone with email capability.**

Item No.	Description	Monthly Cost	Unit	Annual Cost
OFC001	Maintenance Cost		12 Month	

Please break out the daily cost as well in the event additional either additional crews are required or additional time above and beyond the 40 hours allocated for the week due to outages that may be incurred on the network.

Item No.	Description	Daily Price (8 Hours)
	<b>Vehicles</b>	
OCF010	<b>Bucket</b>	
OCF011	<b>Truck</b>	
	<b>Trailer</b>	
OCF020	<b>Primary Trailer</b>	
OCF021	<b>Secondary Trailer</b>	
	<b>Equipment</b>	
OCF030	<b>Primary Fusion Splicer</b>	
OCF031	<b>Secondary Fusion Splicer</b>	
OCF032	<b>OTDR – Primary Unit</b>	
OCF033	<b>OTDR – Secondary Unit</b>	
OCF034	<b>Arrow boards (2)</b>	
OCF035	<b>Laptop (with Wireless Card)</b>	
OCF036	<b>Cell Phone (with email)</b>	

**Total Unit Price:**

- a) Costs for response to “catastrophic” events by Supplemental Crew(s) shall be all-inclusive of travel, per diem, and minor consumable repair items.
- b) Each crew shall be priced separately at a crew price per hour.
- c) A minimum cost for response to “catastrophic” events by each Supplemental Crew shall be the equivalent of five (5) crew hours, whether deployed from “standby” status to a repair location, or not.

Item No.	Description	Price for 8 Hours
OCF050	Supplemental Crew (as needed)	
	Total	

**Grand Total for CLIN 0004:**

**e) CLIN 0005, Heating, Ventilation and Air Conditioning (HVAC) Services (SOW Section C.4.5)**

1. The services may differ based on the nature of the application and the criticality of the site. The District request that new site HVAC construction will use discount pricing The discount pricing is to provide an estimate or quote for new installations or changes to legacy systems. Offerors shall state in their proposal its ability to offer discounted rates for new site HVAC construction.
2. The pricing must be “Unit or Line item” type pricing based on the size and type of unit, and the type of PM visits to be performed.
3. Sites with HVAC equipment similar to the existing sites will be added throughout the contract period at the existing proposed rates.
4. All prices must take into consideration site access, parking, location of the equipment, and security requirements and no adjustments from the stated rate will be made in that regard. All of the sites will be located within the District of Columbia. All labor quotations must detail what the rate is for regular hours, after hours, holidays, and travel.
5. Offerors shall provide Firm Fixed pricing.
6. Pricing shall include all necessary labor and materials.

**i. Primary Nodes :**

Two sites (Site ID 001 and Site ID 003) - Preventive Maintenance (PM) Inspection requires 3 (three) visits in 6 months: 1 (one) major inspection and 2 (two) minor inspections, equally spaced.

<b>Site #</b>	<b>Address</b>	<b>Occupants</b>	<b>HVAC Unit</b>	<b>Annual Maintenance Price</b>
1	441 4th Street NW	OCTO, One Judiciary Square (OJS)	Airflow	
3	2000 14th Street NW	DDOT, Dept. of Public Works, Reeves Center	Carrier	

**Total Annual Cost:**

**ii. Secondary Nodes:**

Seven sites (Site ID's - 8, 9, 30, 354, 370, 380, 406) – Quarterly PM Inspection: (1) major inspection and 1 (one) minor inspection, equally spaced.

<b>Site #</b>	<b>Address</b>	<b>Occupants</b>	<b>HVAC Unit</b>	<b>Annual Maintenance Price</b>
406	655 15th Street NW	OCTO DC-Net HQ	Airflow	
8	717 14th Street NW	DHS, Inspector General, Contract Appeals Board, Office of Banking and Financials	Rheem	
9	899 N Capitol St NE	Dept. of Health, Office of Maternal and Child Health, Office of Emergency Health	Rheem	
30	810 1st Street NE	Financial Operations and Systems	Rheem	
370	51 North Street NE	Child and Family Services	Rheem	
354	609 H Street NE	Department of Employment Services	Rheem	
380	645 H Street NE	DHS, Government Social Services	Rheem	

**Total Annual Cost:**

**Grand Total for CLIN 0005:**

**g) CLIN 0006, Wireless Installs and Support Services (SOW Section C.4.6)**

1. SOW Section C.4.2.5.3: Additional requirements identified by building owners or management need approved by the District’s field representative for payment.

Provide hourly rates for the positions associated with this section:

Description	Estimated Quantity	Unit	Hourly Rate	Total Price
Service Mechanic	15	Hours		
All Apprentices	15	Hours		
Technical Mechanic	15	Hours		
Bucket Truck (3 Hours Minimum)	15	Hours		
Generator Mechanic	15	Hours		
Fire Alarm Technician	15	Hours		
Voice / Data / Video Technician	15	Hours		
Security Technician	15	Hours		

Please provide a cost ceiling for materials:

**Grand Total for CLIN 0006:**

**g) CLIN 0007, Electrical Installs and Support Services (SOW Section C.4.7)**

1. Rates for emergency response shall include local travel.
2. Other Service personnel offered by the company may be submitted, and shall include associated pricing.

Include hourly pricing (Business hours and non-business hours separately) in the proposal response for the electrical response team:

**Rates During Business Hours**

Description	Estimated Quantity	Unit	Hourly Rate	Total Price
Electrician	15	Hours		
Electrician Helper	15	Hours		
Technician	15	Hours		
Technician Helper	15	Hours		
All Apprentices	15	Hours		
Service Mechanic	15	Hours		
Technical Mechanic	15	Hours		
Total:				

**Rates During Non-Business Hours**

Description	Estimated Quantity	Unit	Hourly Rate	Total Price
Electrician	15	Hours		
Electrician Helper	15	Hours		
Technician	15	Hours		
Technician Helper	15	Hours		
All Apprentices	15	Hours		
Service Mechanic	15	Hours		
Technical Mechanic	15	Hours		
Total:				

Please provide a cost ceiling for materials:

**Grand Total for CLIN 0007:**

**h) CLIN 0008, Other Direct Costs (SOW Section C.4.8)**

Other Direct Costs are costs not previously identified as direct material cost, direct labor cost, or indirect cost. ODCs are costs that can be identified specifically with a final cost objective that the Contractor shall not treat as a direct material cost or a direct labor cost. No pricing data is required for this CLIN.

**i) CLIN 0009, Telecommunications Services (SOW Section C.4.9)**

1. Please assume pricing within the greater National Capital Region for all services.
2. Please specify all SLA parameters for the specific services.

Offerors shall use the table below to provide pricing based on SOW Section C.4.9.

Item No.	Dedicated Transmission Services	Unit	One time non-recurring costs	Unit	Monthly Price	Annual Price
TEL001	Ethernet Private Line Services (E-Line)	100 Mbps		Months		
TEL002	Ethernet Private Line Services (E-Line)	1 Gbps		Months		
TEL003	Ethernet Private Line Services (E-Line)	10 Gbps		Months		
		<b>Total:</b>				

Item No.	Description	Unit	One time non-recurring costs	Unit	Monthly Price	Annual Price
TEL010	Optical Wavelength Services (Protect)	2.5 Gbps		Months		
TEL011	Optical Wavelength Services (Protect)	10 Gbps		Months		
		Total:				

Item No.	Description	Unit	One time non-recurring costs	Unit	Monthly Price	Annual Price
TEL020	IP VPN Services	10 Mbps		Months		
TEL021	IP VPN Services	100 Mbps		Months		
TEL022	IP VPN Services	1 Gbps		Months		
		Total				

Attachment A  
RFQ775521  
Price Proposal Response Sheet

Item No.	Description	Unit	One time non-recurring costs	Unit	Monthly Price	Annual Price
TEL030	Internet Access Services	1 Gbps		Months		
TEL031	Internet Access Services	5 Gbps		Months		
TEL032	Internet Access Services	10 Gbps				
		Total				

Item No.	Description	Unit	One time non-recurring costs	Unit	Monthly Price	Annual Price
TEL040	Dark Fiber Services	per mile		Miles		
		Total				

Item No.	SIP trunking services	Unit	One time non-recurring costs	Unit	Monthly Price	Annual Price
TEL050	Trunk Call Path			Months		
TEL051	Unlimited Domestic Usage per month			Months		
TEL052	Caller ID			Months		
TEL053	VoIP DID number and maintenance			Months		
		Total				

Please provide a cost ceiling for materials:

**Grand Total for CLIN 0009:**

**j) CLIN 0010, Personnel Services (SOW Section C.4.10)**

1. The District of Columbia shall pay the Contractor for each hour that each managed services person works.
2. All personnel shall be billable a maximum of 8 hours a day and 40 hours a week unless an authorized exception has been approved.
3. All rates are inclusive of local travel.

Offerors are instructed to complete the pricing table below based on SOW Section C.4.10.

Item No.	Labor Category	Alliant ID #	Estimated Quantity	Unit	Unit Price	Total Price
LAB001	Configuration Management Specialist (master)	109G-3	1920	Hours		
LAB002	Configuration Management Specialist (master)	109G-3	1920	Hours		
LAB003	Network Specialist (Master)	126G-4	1920	Hours		
LAB004	Network Specialist	126G	1920	Hours		
LAB005	Subject Matter Expert (Journeyman)	132G-1	1920	Hours		
LAB006	Configuration Management Specialist (master)	109G-3	1920	Hours		
LAB007	Network Specialist (Master)	126G-4	1920	Hours		
LAB008	Network Specialist (Senior)	126G-3	1920	Hours		
LAB009	Configuration Management Specialist (master)	109G-3	1920	Hours		
LAB010	Network Specialist (Senior)	126G-3	1920	Hours		
LAB011	Administration/Clerical (Senior)	101G-3	1920	Hours		
LAB012	Technical Editor	134G	1920	Hours		
LAB013	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB014	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB015	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB016	Administration/Clerical (Senior)	101G-3	1920	Hours		
LAB017	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB018	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB019	Quality Assurance Specialist (Journeyman)	129G-2	1920	Hours		
LAB020	Network Specialist (journeyman)	126G-2	1920	Hours		
LAB021	Administration/Clerical (Entry Level)	101G-1	1920	Hours		

Item No.	Labor Category	Alliant ID #	Estimated Quantity	Unit	Unit Price	Total Price
LAB022	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB023	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB024	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB025	Administration/Clerical (Entry Level)	101G-1	1920	Hours		
LAB026	Project Manager	128G	1920	Hours		
LAB027	Project Manager	128G	1920	Hours		
LAB028	Quality Assurance Specialist (Journeyman)	129G-2	1920	Hours		
LAB029	Configuration Management Specialist (Master)	109G-3	1920	Hours		
LAB030	Project Manager	138G	1920	Hours		
LAB031	Voice/Data Communications Engineer (Senior)	138G-4	1920	Hours		
LAB032	Program Manager	127G	1920	Hours		
LAB033	Database Specialist (Master)	112G-4	1920	Hours		
LAB034	Project Manager	128G	1920	Hours		
LAB035	Subject Matter Expert (Journeyman)	132G-1	1920	Hours		
LAB036	Applications Systems analyst ((journeyman)	138G-4	1920	Hours		
LAB037	Configuration Management Specialist (master)	109G-3	1920	Hours		
LAB038	Voice Data Communications Engineer (Senior)	138G	1920	Hours		
		<b>Total</b>				

**Grand Total for CLIN 0010:**

**k) CLIN 0011, Turnkey Solution (SOW Section C.4.11)**

1. For all Phases please price the following
2. Professional Services to cover:

- i. Tier 1 Engineer (CCNA with 2 years of experience)
- ii. Tier 2 Engineer (CCNA certification and 5 years’ experience)
- iii. Tier 3 Sr. Engineer (CCIE certification and 10 years’ experience)
- iv. Tier 4 Architect (CCIE certification and 20 years of experience)
- v. Unified Communications Engineer (CCNA with 10 years of experience with voice and video, detailed knowledge of routing/switching and QoS techniques and their impact on application performance. Experience with end-to-end UC infrastructure provisioning and management.
- vi. Installation Support (BICSI certified. Basic knowledge of routing and switching, 5 years of installation experience with Cisco, Avaya and or Juniper platform along with AC and DC backup power turn-ups)
- vii. Project Manager (PMP certified with 5 years of IT deployment experience)

For Pricing purposes, the assumption will be made that it will take a total of 40 hours for the resources identified below to complete the set task. Please list the price below accordingly.

Professional Services	Estimated Quantity	Unit	Unit Price	Total Price
Tier 1 Engineer	40	Hours		
Tier 2 Engineer	40	Hours		
Tier 3 Senior Engineer	40	Hours		
Tier 4 Architect	40	Hours		
Unified Communications Engineer	40	Hours		
Installation Support	40	Hours		
Project Manager	40	Hours		
<b>Total:</b>				

**3. Network Operations Center Services (SOW Section C.4.11.2)**

**3.1** The Contractor shall provide the cost of Network Operations Center (NOC) services broken down as follows:

- i. Per individual staff. As part of the pricing document educational background, skill sets, certifications, experience level, for all proposed labor elements.

Professional Services	Estimated Quantity	Unit	Unit Price	Total Price
Tier 1 Engineer	40	Hours		

- ii. Per tool or appliances required for delivery of each component.
- iii.

Description	Unit	Total Price
Price per tool	Annual	
Maintenance Cost	Annual	
<b>Total:</b>		

**4. Voice Communications (SOW Section C.4.11.3)**

- i. Offerors shall submit price per individual staff.

Professional Services	Estimated Quantity	Unit	Unit Price	Total Price
Tier 1 Engineer	40	Hours		
Tier 2 Engineer	40	Hours		
Unified Communications Engineer	40	Hours		
Installation Support	40	Hours		
<b>Total:</b>				

**5. Data Communications (SOW Section C.4.11.4)**

- i. Offerors shall submit price per individual staff.

Professional Services	Estimated Quantity	Unit	Unit Price	Total Price
Tier 1 Engineer	40	Hours		
Tier 2 Engineer	40	Hours		
Unified Communications Engineer	40	Hours		
Installation Support	40	Hours		
<b>Total:</b>				

**6. Video Conferencing and Content Distribution (SOW Section C.4.11.5)**

- i. Offerors shall submit cost per individual staff.

<b>Professional Services</b>	<b>Estimated Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
Tier 1 Engineer	40	Hours		
Tier 2 Engineer	40	Hours		
Tier 3 Senior Engineer	40	Hours		
Unified Communications Engineer	40	Hours		
Installation Support	40	Hours		
<b>Total:</b>				

**Grand Total for CLIN 0011:**

**II(a) BASE YEAR TOTALS**

<b>CLIN</b>	<b>SOW Section</b>	<b>Item Description</b>	<b>Amount</b>
0001	C.4.1	General Equipment – Firm Fixed Unit Price	
0002	C.4.2	Horizontal and Vertical Cabling Infrastructure – Firm Fixed Unit Price	
0003	C.4.3	Fiber and Cable Installation Services - Firm Fixed Unit Price	
0004	C.4.4	Optical Fiber Cable Maintenance Services - Firm Fixed Unit Price	
0005	C.4.5	Heating, Ventilation and Air Conditioning Services – Firm Fixed Unit Price	
0006	C.4.6	Wireless Installs and Support Services – Time and Materials	
0007	C.4.7	Electrical Installs and Support Services - Time and Materials	
0008	C.4.8	Other Direct Costs – Cost Reimbursable (TBD NTE Value)	
0009	C.4.9	Telecommunications Services - Time and Materials	
0010	C.4.10	Personnel Services and Job Descriptions – Time and Materials	
0011	C.4.11	TurnKey Solution Requirements - Time and Materials	

**BASE YEAR GRAND TOTAL:**

### III. OPTION YEAR ONE

- a) Offerors are instructed to follow all instructions above to complete all option year CLINs.
- b) The instructions, quantities, requirements, and terms for the Base Year apply to all option year pricing.
- c) Offerors are instructed to replicate the existing tables and formats as was used to describe the pricing format for the base year to complete pricing of all option years. It is recommended Offerors copy and paste tables and formats used above for the Base Year to ensure continuity of requirements for all option year information.
- d) The CLIN structure for Option Year One is as follows below. Offerors are instructed to price each CLIN according to the calculations above, and calculate the grand total below.

CLIN	SOW Section	Item Description	Amount
1001	C.4.1	General Equipment – Firm Fixed Unit Price	
1002	C.4.2	Horizontal and Vertical Cabling Infrastructure - Firm Fixed Unit Price	
1003	C.4.3	Fiber and Cable Installation Services - Firm Fixed Unit Price	
1004	C.4.4	Optical Fiber Cable Maintenance Services - Firm Fixed Unit Price	
1005	C.4.5	Heating, Ventilation and Air Conditioning Services - Firm Fixed Unit Price	
1006	C.4.6	Wireless Installs and Support Services – Time and Materials	
1007	C.4.7	Electrical Installs and Support Services - Time and Materials	
1008	C.4.8	Other Direct Costs – Cost Reimbursable (TBD NTE Value)	
1009	C.4.9	Telecommunications Services - Time and Materials	
1010	C.4.10	Personnel Services and Job Descriptions – Time and Materials	
1011	C.4.11	TurnKey Solution Requirements - Time and Materials	

**OPTION YEAR ONE GRAND TOTAL:**

**IV. OPTION YEAR ONE**

- a) Offerors are instructed to follow all instructions above to complete all option year CLINs.
- b) The instructions, quantities, requirements, and terms for the Base Year apply to all option year pricing.
- c) Offerors are instructed to replicate the existing tables and formats as was used to describe the pricing format for the base year to complete pricing of all option years. It is recommended Offerors copy and paste tables and formats used above for the Base Year to ensure continuity of requirements for all option year information.
- d) The CLIN structure for Option Year Two is as follows below. Offerors are instructed to price each CLIN according to the calculations above, and calculate the grand total below.

CLIN	SOW Section	Item Description	Amount
2001	C.4.1	General Equipment – Firm Fixed Unit Price	
2002	C.4.2	Horizontal and Vertical Cabling Infrastructure - Firm Fixed Unit Price	
2003	C.4.3	Fiber and Cable Installation Services - Firm Fixed Unit Price	
2004	C.4.4	Optical Fiber Cable Maintenance Services - Firm Fixed Unit Price	
2005	C.4.5	Heating, Ventilation and Air Conditioning Services - Firm Fixed Unit Price	
2006	C.4.6	Wireless Installs and Support Services – Time and Materials	
2007	C.4.7	Electrical Installs and Support Services - Time and Materials	
2008	C.4.8	Other Direct Costs – Cost Reimbursable (TBD NTE Value)	
2009	C.4.9	Telecommunications Services - Time and Materials	
2010	C.4.10	Personnel Services and Job Descriptions – Time and Materials	
2011	C.4.11	TurnKey Solution Requirements - Time and Materials	

**OPTION YEAR TWO GRAND TOTAL:**

**V. OPTION YEAR THREE**

- a) Offerors are instructed to follow all instructions above to complete all option year CLINs.
- b) The instructions, quantities, requirements, and terms for the Base Year apply to all option year pricing.
- c) Offerors are instructed to replicate the existing tables and formats as was used to describe the pricing format for the base year to complete pricing of all option years. It is recommended Offerors copy and paste tables and formats used above for the Base Year to ensure continuity of requirements for all option year information.
- d) The CLIN structure for Option Year Three is as follows below. Offerors are instructed to price each CLIN according to the calculations above, and calculate the grand total below.

CLIN	SOW Section	Item Description	Amount
3001	C.4.1	General Equipment – Firm Fixed Unit Price	
3002	C.4.2	Horizontal and Vertical Cabling Infrastructure - Firm Fixed Unit Price	
3003	C.4.3	Fiber and Cable Installation Services - Firm Fixed Unit Price	
3004	C.4.4	Optical Fiber Cable Maintenance Services - Firm Fixed Unit Price	
3005	C.4.5	Heating, Ventilation and Air Conditioning Services - Firm Fixed Unit Price	
3006	C.4.6	Wireless Installs and Support Services – Time and Materials	
3007	C.4.7	Electrical Installs and Support Services - Time and Materials	
3008	C.4.8	Other Direct Costs – Cost Reimbursable (TBD NTE Value)	
3009	C.4.9	Telecommunications Services - Time and Materials	
3010	C.4.10	Personnel Services and Job Descriptions – Time and Materials	
3011	C.4.11	TurnKey Solution Requirements - Time and Materials	

**OPTION YEAR THREE GRAND TOTAL:**

**V. OPTION YEAR FOUR**

- a) Offerors are instructed to follow all instructions above to complete all option year CLINs.
- b) The instructions, quantities, requirements, and terms for the Base Year apply to all option year pricing.
- c) Offerors are instructed to replicate the existing tables and formats as was used to describe the pricing format for the base year to complete pricing of all option years. It is recommended Offerors copy and paste tables and formats used above for the Base Year to ensure continuity of requirements for all option year information.
- d) The CLIN structure for Option Year Four is as follows below. Offerors are instructed to price each CLIN according to the calculations above, and calculate the grand total below.

CLIN	SOW Section	Item Description	Amount
4001	C.4.1	General Equipment – Firm Fixed Unit Price	
4002	C.4.2	Horizontal and Vertical Cabling Infrastructure - Firm Fixed Unit Price	
4003	C.4.3	Fiber and Cable Installation Services - Firm Fixed Unit Price	
4004	C.4.4	Optical Fiber Cable Maintenance Services - Firm Fixed Unit Price	
4005	C.4.5	Heating, Ventilation and Air Conditioning Services - Firm Fixed Unit Price	
4006	C.4.6	Wireless Installs and Support Services – Time and Materials	
4007	C.4.7	Electrical Installs and Support Services - Time and Materials	
4008	C.4.8	Other Direct Costs – Cost Reimbursable (TBD NTE Value)	
4009	C.4.9	Telecommunications Services - Time and Materials	
4010	C.4.10	Personnel Services and Job Descriptions – Time and Materials	
4011	C.4.11	TurnKey Solution Requirements - Time and Materials	

**OPTION YEAR FOUR GRAND TOTAL:**

**GRAND TOTAL BASE PLUS ALL OPTION YEARS:**