



City of Lake Worth Beach

IFB#26-G105 Fiber Optic Engineering, Design, Material, Supplies and Installation Term Contract

Bid Tabulation

			Precision Contracting Services, Inc.	Unitec, Inc.
ITEM #	DESCRIPTION	UNIT	UNIT PRICE	UNIT PRICE
LABOR				
1	Engineering Florida PE Services – Hourly Rate	HR	\$250.00	\$250.00
2	Engineer (non-PE) – Hourly Rate	HR	\$195.00	\$200.00
3	CADD Operator – Hourly Rate	HR	\$105.00	\$30.00
4	Clerical Support Services – Hourly Rate	HR	\$65.00	\$20.00
5	Commercial Cable – Electronics Technician – Hourly Rate	HR	\$135.00	\$45.00
6	Commercial Cable Installer – Hourly Rate	HR	\$115.00	\$35.00
7	Commercial Duct Installer – Hourly Rate	HR	\$115.00	\$30.00
8	Tree Trimming – Hourly Rate	HR	\$225.00	\$75.00
9	OSP ROW Strand Mapping	MILE	\$2,500.00	\$1,584.00
10	OSP ROW Design and Permitting	MILE	\$3,435.00	\$3,640.00
11	OSP GPS Survey	MILE	\$2,250.00	\$600.00
12	OSP GIS Technician	MILE	\$2,250.00	\$300.00
CONSTRUCTION - UNDERGROUND				
13	Conduit – 2” placed at 24” , machine trenched (Furnished and Installed)	LF	\$13.50	\$7.23
14	Conduit – 4” placed at 24” , machine trenched (Furnished and Installed)	LF	\$14.50	\$10.25
15	Conduit – 6” placed at 24” , machine trenched (Furnished and Installed)	LF	\$21.50	\$14.01
16	Conduit – 2” placed at 36” , machine trenched (Furnished and Installed)	LF	\$14.25	\$8.23
17	Conduit – 4” placed at 36” , machine trenched (Furnished and Installed)	LF	\$15.50	\$11.25
18	Conduit – 6” placed at 36” , machine trenched (Furnished and Installed)	LF	\$22.50	\$15.01
20	Conduit – 2” placed at 24” hand trenched (Furnished and Installed)	LF	\$12.75	\$7.23
21	Conduit – 4” placed at 24” hand trenched (Furnished and Installed)	LF	\$13.75	\$10.25
22	Conduit – 6” placed at 24” hand trenched (Furnished and Installed)	LF	\$21.50	\$14.01
23	Conduit – 2” placed at 36” , hand trenched (Furnished and Installed)	LF	\$13.50	\$8.23
24	Conduit – 4” placed at 36” , hand trenched (Furnished and Installed)	LF	\$14.50	\$11.25

25	Conduit – 6" placed at 36" , hand trenched (Furnished and Installed)	LF	\$21.50	\$15.01
26	Placement – 2" HDPE, Directional Bore (Furnished and Installed)	LF	\$22.00	\$15.05
27	Placement – 4" HDPE, Directional Bore (Furnished and Installed)	LF	\$25.00	\$21.29
28	Placement – 6" HDPE, Directional Bore (Furnished and Installed)	LF	\$34.00	\$32.17
29	Placement – 2" RGS (Furnished and Installed)	LF	\$42.00	\$21.15
30	Placement – 4" RGS (Furnished and Installed)	LF	\$55.00	\$52.87
31	Placement – 6" RGS (Furnished and Installed)	LF	\$75.00	\$120.98
32	Placement – 2" Fiberglass, Bridge mount (Furnished and Installed)	LF	\$125.00	\$138.18
33	Placement – 4" Fiberglass, Bridge mount (Furnished and Installed)	LF	\$150.00	\$168.24
34	Placement – 6" Fiberglass, Bridge mount (Furnished and Installed)	LF	\$185.00	\$224.60
35	Detection – Detectable Tracer Wire (Furnished and Installed)	LF	\$0.95	\$0.66
36	Detection – Detectable Marking Tape (Furnished and Installed)	LF	\$0.75	\$0.56
37	Detection – Jet Line (Furnished and Installed)	LF	\$0.75	\$0.51
38	ROW Detection – ROW Delineator Marker Post, orange, 6' (Furnished and Installed)	EACH	\$100.00	\$106.77
39	Cable Route Markers - Tubular, Type III HDPE	EACH	\$125.00	\$76.77
FIBER OPTIC CABLES				
40	FO Cable – 12 fiber, Single-mode, Loose-Tube Construction, Aerial Placement (Furnished and Installed)	LF	\$2.55	\$1.75
41	FO Cable – 12 fiber, Single-mode, Loose-Tube Construction, Underground Placement (Furnished and Installed)	LF	\$2.45	\$2.29
42	FO Cable – 24 fiber, Single-mode, Loose-Tube Construction, Aerial Placement (Furnished and Installed)	LF	\$2.65	\$1.92
43	FO Cable – 24 fiber, Single-mode, Loose-Tube Construction, Underground Placement (Furnished and Installed)	LF	\$2.60	\$2.50
44	FO Cable – 48 fiber, Single-mode, Loose-Tube Construction, Aerial Placement (Furnished and Installed)	LF	\$2.85	\$2.13
45	FO Cable - 48 fiber, Single-mode, Loose-Tube Construction, Underground Placement (Furnished and Installed)	LF	\$2.80	\$2.97
46	FO Cable – 72 fiber, Single-mode, Loose-Tube Construction, Aerial Placement (Furnished and Installed)	LF	\$2.95	\$2.37
47	FO Cable – 72 fiber, Single-mode, Loose-Tube Construction, Underground Placement (Furnished and Installed)	LF	\$2.95	\$2.89
48	FO Cable – 96 fiber, Single-mode, Loose-Tube Construction, Aerial Placement (Furnished and Installed)	LF	\$3.15	\$2.69
49	FO Cable – 96 fiber, Single-mode, Loose-Tube Construction, Underground Placement (Furnished and Installed)	LF	\$3.10	\$3.15
50	FO Cable – 144 fiber, Single-mode, Loose-Tube Construction, Aerial Placement (Furnished and Installed)	LF	\$3.75	\$3.58

51	FO Cable – 144 fiber, Single-mode, Loose-Tube Construction, Underground Placement (Furnished and Installed)	LF	\$3.65	\$4.34
52	FO Cable – 12 fiber, Multi-mode, Loose-Tube Construction, Aerial Placement (Furnished and Installed)	LF	\$6.50	\$6.18
53	FO Cable – 12 fiber, Multi-mode, Loose-Tube Construction, Underground Placement (Furnished and Installed)	LF	\$6.50	\$5.90
54	FO Cable – 24 fiber, Multi-mode, Loose-Tube Construction, Aerial Placement (Furnished and Installed)	LF	\$8.00	\$8.41
55	FO Cable – 24 fiber, Multi-mode, Loose-Tube Construction, Underground Placement (Furnished and Installed)	LF	\$8.00	\$9.10
56	FO Cable – 24 fiber, Single-mode, All Dielectric Self Supporting Construction, Aerial Placement (Furnished and Installed)	LF	\$3.25	\$2.45
57	FO Cable – 48 fiber, Single-mode, All Dielectric Self Supporting Construction, Aerial Placement (Furnished and Installed)	LF	\$3.60	\$2.81
58	FO Cable – 96 fiber, Single-mode, All Dielectric Self Supporting Construction, Aerial Placement (Furnished and Installed)	LF	\$4.50	\$3.99
59	FO Cable – 144 fiber, Single-mode, All Dielectric Self Supporting Construction, Aerial Placement (Furnished and Installed)	LF	\$5.65	\$4.69
60	FO Cable – 24 fiber, Single-mode, Riser Rated Construction (Furnished and Installed)	LF	\$4.15	\$4.97
61	FO Cable – 48 fiber, Single-mode, Riser Rated Construction (Furnished and Installed)	LF	\$6.15	\$10.56
62	FO Cable – 96 fiber, Single-mode, Riser Rated Construction (Furnished and Installed)	LF	\$7.15	\$23.49
63	FO Cable – 12 fiber, Multi-mode, Riser Rated Construction (Furnished and Installed)	LF	\$4.95	\$4.36
64	FO Cable – 24 fiber, Multi-mode, Riser Rated Construction (Furnished and Installed)	LF	\$7.50	\$8.79
65	FO Cable – 12 fiber, Single-mode, Plenum Rated Construction (Furnished and Installed)	LF	\$4.25	\$2.85
66	FO Cable – 24 fiber, Single-mode, Plenum Rated Construction (Furnished and Installed)	LF	\$5.25	\$4.16
67	FO Cable – 48 fiber, Single-mode, Plenum Rated Construction (Furnished and Installed)	LF	\$7.95	\$9.09
68	FO Cable – 96 fiber, Single-mode, Plenum Rated Construction (Furnished and Installed)	LF	\$9.75	\$19.55
69	FO Cable – 12 fiber, Multi-mode, Plenum Rated Construction, Tight Buffer (Furnished and Installed)	LF	\$4.25	\$4.17
70	FO Cable – 24 fiber, Multi-mode, Plenum Rated Construction, Tight Buffer (Furnished and Installed)	LF	\$7.25	\$6.91

71	FO Cable – 24 count Hybrid Fiber, 12 Multi-mode Fiber, 12 Single-mode Fiber, Plenum Rated Construction (Furnished and Installed)	LF	\$4.85	\$6.91
72	FO Cable – 48 count Hybrid Fiber, 24 Multi-mode Fiber, 24 Single-mode Fiber, Plenum Rated Construction (Furnished and Installed)	LF	\$6.25	\$9.09
OPTICAL SPLICING & TERMINATION				
73	FO Cable – 12 fiber, Single-mode or Multi-mode, Termination, Wall/Rack Cabinet, trays, pigtailed, splices, tests (Furnished and Installed)	EACH	\$1,625.00	\$1,703.45
74	FO Cable – 24 fiber, Single-mode or Multi-mode, Termination, Wall/Rack Cabinet, trays, pigtailed, splices, tests (Furnished and Installed)	EACH	\$2,395.00	\$2,303.83
75	FO Cable – 48 fiber, Single-mode or Multi-mode, Termination, Wall/Rack Cabinet, trays, pigtailed, splices, tests (Furnished and Installed)	EACH	\$4,675.00	\$3,773.99
76	FO Cable – 72 fiber, Single-mode or Multi-mode, Termination, Wall/Rack Cabinet, trays, pigtailed, splices, tests (Furnished and Installed)	EACH	\$5,925.00	\$4,891.24
77	FO Cable – 96 fiber, Single-mode or Multi-mode, Termination, Wall/Rack Cabinet, trays, pigtailed, splices, tests (Furnished and Installed)	EACH	\$7,695.00	\$6,217.41
78	FO Cable –144 fiber, Single-mode or Multi-mode, Termination, Wall/Rack Cabinet, trays, pigtailed, splices, tests (Furnished and Installed)	EACH	\$10,855.00	\$8,818.36
79	FO Cable – 06 fiber, Single-mode, Buffer fan-out kit (Furnished and Installed)	EACH	\$75.00	\$523.71
80	FO Cable – 12 fiber, Single-mode, Buffer fan-out kit (Furnished and Installed)	EACH	\$85.00	\$705.50
81	FO Connector – ST type, Multi-mode, Unicam connector (Furnished and Installed)	EACH	\$80.00	\$36.08
82	FO Connector – ST type, Single-mode, Unicam connector (Furnished and Installed)	EACH	\$80.00	\$35.58
83	FO Closure – Splice Closure, 12 fiber, Aerial or UG installation, trays, splices, tests (Furnished and Installed)	EACH	\$1,625.00	\$1,427.25
84	FO Closure – Splice Closure, 24 fiber, Aerial or UG installation, trays, splices, tests (Furnished and Installed)	EACH	\$2,265.00	\$1,787.25
85	FO Closure – Splice Closure, 48 fiber, Aerial or UG installation, trays, splices, tests (Furnished and Installed)	EACH	\$3,975.00	\$2,507.25
86	FO Closure – Splice Closure, 72 fiber, Aerial or UG installation, trays, splices, tests (Furnished and Installed)	EACH	\$4,425.00	\$2,795.25
87	FO Closure – Splice Closure, 96 fiber, Aerial or UG installation, trays, splices, tests (Furnished and Installed)	EACH	\$6,175.00	\$3,562.73
88	FO Closure – Splice Closure, 144 fiber, Aerial or UG installation, trays, splices, tests (Furnished and Installed)	EACH	\$7,575.00	\$4,570.73
89	FO Splice – OTDR Test any wavelength, one direction, bare fiber	EACH	\$12.50	\$30.00
90	FO Closure – Splice Tray, Fusion Heatshrink, 12 fiber, 12" size (Furnished and Installed)	EACH	\$45.00	\$73.76

91	FO Closure – Splice Tray, Fusion Heatshrink, 24 fiber, 12” size (Furnished and Installed)	EACH	\$75.00	\$87.95
92	FO Splice – Fusion Splice, Heat Shrink <0.04 Db, OSP, including pigtail as needed (Furnished and Installed)	EACH	\$45.35	\$85.92
93	OSP Aerial – Messenger Cable, ¼” (Furnished and Installed)	LF	\$2.75	\$3.07
94	OSP Aerial – Remove Messenger Cable, ¼”	LF	\$0.85	\$0.50
PULL BOXES				
95	Pull Box – Concrete, 4’H x 4’W x 4’D, with Steel Lid (Furnished and Installed)	EACH	\$6,885.00	\$10,276.00
96	Pull Box – Composite construction, 24”H x 36”W x 24”D, with Composite Lid (Furnished and Installed)	EACH	\$975.00	\$1,262.00
97	Pull Box – Composite construction, 24”H x 36”W x 24”D, Traffic Rated, with Composite Traffic Rated Lid (Furnished and Installed)	EACH	\$1,125.00	\$3,987.00
98	Pull Box – Composite construction, 17”H x 30”W x 12”D, with Composite Lid (Furnished and Installed)	EACH	\$765.00	\$762.50
99	Pull Box – Composite construction, 17”H x 30”W x 12”D, Traffic Rated, with Composite Traffic Rated Lid (Furnished and Installed)	EACH	\$825.00	\$2,657.90
100	Pull Box Apron – for a 24” x 36” pull box measuring 12”W x 6”D (Furnished and installed)	EACH	\$595.00	\$968.75

Required Forms/Documents:

Bid Cover Sheet B1	Submitted	Submitted
Bidder's Minimum Qualifications with Qualification Questionnaire B2	Submitted	Submitted
Bid B3	Submitted	Submitted
Schedule of Unit Prices B4	Submitted	Submitted
Supplementary/Custom Price List	N/A	None
Substitution Sheet B5	None	None
Schedule of Subcontractors B6	Submitted	N/A
Contractor self performing 70% or more	Yes	Yes
Contractor Verification Form B7	Submitted	Submitted
Reference List B8	Submitted	Submitted
Non-Collusion Affidavit B9	Submitted	Submitted
Drug Free Certification B10	Submitted	Submitted
Campaign Contribution Statement B11	Submitted	Submitted
Scrutinized Companies Certification B12	Submitted	Submitted

Documentation Supporting Small Business Enterprise, Small Business and Veteran Business Preference B13	N/A	Applied for Small Business Preference - does not qualify per City's Ordinance - documentation is not from Palm Beach County or a Palm Beach County municipality
Certification Regarding Debarments, Suspension and Other Responsibility Matters B14	Submitted	Submitted
Certification for Contracts, Grants, Loans, and Cooperative Agreements B15	Submitted	Submitted
Certification confirming BABA compliance requirement - Appendix A - Federal Contract Provisions with GRIP Terms	Submitted	Submitted
Licenses	Submitted	Submitted
Contractor's Safety Form	Submitted	Submitted
List of Equipment	Submitted	Submitted
Personnel/Resumes	Submitted	Submitted
Active Exclusions/Debarment Record:	None	None
BID BOND \$25,000 INCLUDED	Yes	Yes
Minimum Qualifications requirements met:		
Experience: Minimum 5 years of the Fiber Optic Engineering, Design, Material, Supplies and Installation – Form B2 – Bidder's Qualifications Form	Yes	Yes
References: Provided contact details for 3 completed projects of similar nature Form B8 – References	Yes	Yes
Equipment: Own or have access to equipment required to perform the required works and services. Provided the list of equipment with specifications and age of equipment planned to be utilized under this contract.	Yes	Yes
Safety Record: No major OSHA violations in the past 3 years; provide a safety plan and proof of OSHA-compliant training for trenching, boring, and cable pulling. Filled out Safety Form and submitted with the bid. Provide detailed Safety Plan .	Yes	Yes
Personnel: Employs certified personnel to design, engineering and work. Provided list of personnel to be utilized. The personnel should have FOA CFOT/CFOS/O certificates or an ETA (Electronics Technicians Association) Certifications. Registered Communication Distribution Designer (RCCD) assigned to the project.	Yes	Yes
Licenses & Certifications: Valid State of Florida General Contractor's license or equivalent to meet the State requirement for required services; State of Florida Division of Corporations Business license; AMP ND & I (Network Design and Installation) certification or equivalent.	Yes	Yes
BID Compliance:	Yes	Yes