



PRECISION CONTRACTING SERVICES INC.

Precision Fiber

Optic Systems

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To:	PCS Jupiter	Contact:	Laura Fix
Address:	15834 Guild Court Jupiter, FL 33478 USA	Phone:	561-743-9737
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Project Name:	24.11.14 PBCO FO Design, Supply, Install Term Contract	Bid Number:	IFB #25-005/JW
Project Location:	Various, West Palm Beach, FL	Bid Date:	11/14/2024
Addendum #:	1		
Attachments:	24.10.24 PBCO FO Design, Supply, Install Term Contract.xlsx		

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
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Lot 1 Non Fed Sec A

001		Engineering Florida PE Services – Hourly Rate	100.00	HR	\$250.00	\$25,000.00
002		BICSI RCDD – Hourly Rate	50.00	HR	\$195.00	\$9,750.00
003		CADD Operator – Hourly Rate	100.00	HR	\$125.00	\$12,500.00
004		Clerical Support Services – Hourly Rate	60.00	HR	\$75.00	\$4,500.00
005		Comm. Cable Electronics Technician – Hourly Rate	10.00	HR	\$135.00	\$1,350.00
006		Comm. Cable Installer – Hourly Rate	350.00	HR	\$115.00	\$40,250.00
007		Comm. Duct Installer – Hourly Rate	700.00	HR	\$115.00	\$80,500.00
008		Tree Trimming – Hourly Rate	20.00	HR	\$195.00	\$3,900.00
009		OSP ROW Strand Mapping	10.00	MILE	\$2,500.00	\$25,000.00
010		OSP ROW Design And Permitting	100.00	MILE	\$3,250.00	\$325,000.00
011		OSP GPS Survey	50.00	MILE	\$4,000.00	\$200,000.00
012		OSP GIS Technician	50.00	MILE	\$2,250.00	\$112,500.00

Total Price for above Lot 1 Non Fed Sec A Items: \$840,250.00

Lot 1 Non Fed Sec B

013		Maintenance Of Traffic (MOT) Lane Closure	50.00	EACH	\$1,750.00	\$87,500.00
014		Utility Locate – GPR Or Subsurface Utility Excavation	20.00	HR	\$145.00	\$2,900.00
015		Trench Hand – Duct 2" HDPE/PVC Placed At 30-36" (F&I)	100.00	LF	\$12.50	\$1,250.00
016		Trench Machine – Duct 2" HDPE/PVC Placed At 30-36" (F&I)	500.00	LF	\$15.00	\$7,500.00
017		Duct 2" Extra Pipe In Trench/Bore (F&I)	250.00	LF	\$4.00	\$1,000.00
018		Duct 1.25" Innerduct Colored (F&I) – Installed In Existing Duct	20.00	LF	\$3.50	\$70.00
019		Directional Bore – 4x 1.25" HDPE Dir. Bore (F&I)	50.00	LF	\$25.00	\$1,250.00
020		Maxcell 3 Cell – 2" (F&I)	200.00	LF	\$8.50	\$1,700.00
021		Dir. Bore 2" HDPE Standard (F&I)	2,000.00	LF	\$22.00	\$44,000.00
022		Dir. Bore 2" HDPE Special Condition (F&I) – Railroad, Canal, Deep Crossing, Limited ROW	300.00	LF	\$42.00	\$12,600.00
023		Dir. Bore 8" HDPE Under Navigable Waterway (F&I)	100.00	LF	\$225.00	\$22,500.00
024		Dir. Bore – MicroDuct – 2W 27/20mm (F&I) – Includes All Coupling, Racking	50.00	LF	\$22.75	\$1,137.50
025		Dir. Bore – MicroDuct – 2W 16/13mm (F&I) – Includes All Coupling, Racking	50.00	LF	\$23.25	\$1,162.50
026		Dir. Bore – MicroDuct – 4W 16/13mm (F&I) – Includes All Coupling, Racking	50.00	LF	\$24.00	\$1,200.00
027		Duct 2" RGS, Above Ground (F&I) Includes Fittings & Incidentals	250.00	LF	\$26.75	\$6,687.50

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
	028	Duct 4" RGS, Above Ground (F&I) Includes Fittings & Incidentals	20.00	LF	\$36.25	\$725.00
	029	Duct 2" Fiberglass, Bridge Mount, (F&I) Includes Fittings & Incidentals	50.00	LF	\$90.00	\$4,500.00
	030	Duct 4" Fiberglass, Bridge Mount, (F&I) Includes Fittings & Incidentals	50.00	LF	\$125.00	\$6,250.00
	031	Tracer Wire - #14, Colored Per Client Spec (F&I)	30,000.00	LF	\$0.95	\$28,500.00
	032	Detectable Marking Tape, Orange (F&I)	100.00	LF	\$0.75	\$75.00
	033	Duct 2" PVC Split Duct (F&I) W/ Couplers, Clamps, Bonding Agents	200.00	LF	\$28.75	\$5,750.00
	034	Duct Proofing & Jet Line (F&I)	7,000.00	LF	\$1.50	\$10,500.00
	035	Restoration – Sod, Seed (F&I)	250.00	SF	\$4.00	\$1,000.00
	036	Delineator Marker Post 6' (F&I) w/ Client Info Label	20.00	EACH	\$100.00	\$2,000.00
	037	Delineator Marker Post 6' (F&I) w/ Fink Locate Plate	10.00	EACH	\$125.00	\$1,250.00
	038	FO Cable – 6F SM LT OSP (F&I) Aerial Or UG Installation	1,000.00	LF	\$2.30	\$2,300.00
	039	FO Cable – 12F SM LT OSP (F&I) Aerial Or UG Installation	2,000.00	LF	\$2.45	\$4,900.00
	040	FO Cable – 24F SM LT OSP (F&I) Aerial Or UG Installation	10,000.00	LF	\$2.65	\$26,500.00
	041	FO Cable – 48F SM LT OSP (F&I) Aerial Or UG Installation	35,000.00	LF	\$2.95	\$103,250.00
	042	FO Cable – 96F SM LT OSP (F&I) Aerial Or UG Installation	20,000.00	LF	\$3.00	\$60,000.00
	043	FO Cable - 144F SM LT OSP (F&I) Aerial Or UG Installation	2,000.00	LF	\$3.75	\$7,500.00
	044	FO Cable - 288F SM LT OSP (F&I) Aerial Or UG Installation	2,000.00	LF	\$5.85	\$11,700.00
	045	FO Cable – 12F SM MiniXtend (F&I)	200.00	LF	\$2.35	\$470.00
	046	FO Cable – 96F SM MiniXtend (F&I)	200.00	LF	\$3.15	\$630.00
	047	FO Cable – 144F SM MiniXtend (F&I)	200.00	LF	\$3.75	\$750.00
	048	FO Cable – 24F SM All Dielectric Self Supporting, Aerial (F&I)	500.00	LF	\$3.25	\$1,625.00
	049	FO Cable – 144F SM All Dielectric Self Supporting, Aerial (F&I)	500.00	LF	\$4.50	\$2,250.00
	050	FO Cable – 6F SM Indoor Outdoor Plenum (F&I) – Corning FREEDM Or Equal	250.00	LF	\$3.85	\$962.50
	051	FO Cable – 12F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	250.00	LF	\$4.00	\$1,000.00
	052	FO Cable – 24F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	250.00	LF	\$5.50	\$1,375.00
	053	FO Cable – 48F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	500.00	LF	\$6.15	\$3,075.00
	054	FO Cable – 96F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	500.00	LF	\$6.50	\$3,250.00
	055	FO Cable – 144F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	250.00	LF	\$7.75	\$1,937.50
	056	FO Cable – 288F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	100.00	LF	\$11.50	\$1,150.00
	057	FO Cable – 6F SM OFNR/OFNP (F&I) – By Project Requirement	250.00	LF	\$2.75	\$687.50
	058	FO Cable –12F SM OFNR/OFNP (F&I) – By Project Requirement	250.00	LF	\$2.95	\$737.50
	059	FO Cable – 24F SM OFNR/OFNP (F&I) – By Project Requirement	500.00	LF	\$3.25	\$1,625.00
	060	FO Cable – 48F SM OFNR/OFNP (F&I) – By Project Requirement	500.00	LF	\$3.55	\$1,775.00
	061	FO Cable – 96F SM OFNR/OFNP (F&I) – By Project Requirement	500.00	LF	\$3.75	\$1,875.00
	062	FO Cable – 144F SM OFNR/OFNP (F&I) – By Project Requirement	250.00	LF	\$4.25	\$1,062.50
	063	FO Cable – 12F MM 62.5m OM1, LT, OSP (F&I)	100.00	LF	\$4.35	\$435.00
	064	FO Cable – 24F MM 62.5m OM1, LT, OSP (F&I)	100.00	LF	\$5.65	\$565.00
	065	FO Cable – 12F MM 50m OM4, LT, OSP (F&I)	100.00	LF	\$6.50	\$650.00
	066	FO Cable – 24F MM 50m OM4, LT, OSP (F&I)	100.00	LF	\$8.95	\$895.00

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
067		FO Cable – 12F MM 50m OM4, OFNR (F&I)	100.00	LF	\$4.95	\$495.00
068		FO Cable – 24F MM 50m OM4, OFNR (F&I)	100.00	LF	\$7.50	\$750.00
069		FO Cable – 12F MM Plenum, Tight Buffer (F&I)	100.00	LF	\$4.00	\$400.00
070		FO Cable – 24F MM Plenum, Tight Buffer (F&I)	100.00	LF	\$7.00	\$700.00
071		FO Cable – Cable Removal – OSP/ISP	1,000.00	LF	\$0.75	\$750.00
072		FO Cable – Cable Relocation – Remove & Reinstall	1,000.00	LF	\$1.85	\$1,850.00
073		FO Term Cabinet – 12F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	20.00	EACH	\$1,625.00	\$32,500.00
074		FO Term Cabinet – 24F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	20.00	EACH	\$2,395.00	\$47,900.00
075		FO Term Cabinet – 48F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	30.00	EACH	\$4,675.00	\$140,250.00
076		FO Term Cabinet – 96F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	20.00	EACH	\$7,695.00	\$153,900.00
077		FO Term Cabinet – 144F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	10.00	EACH	\$10,885.00	\$108,850.00
078		FO Term Cabinet – 288F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	10.00	EACH	\$19,990.00	\$199,900.00
079		FO Fanout – 6F (F&I)	10.00	EACH	\$65.00	\$650.00
080		FO Fanout – 12F (F&I)	10.00	EACH	\$85.00	\$850.00
081		FO Connector – MM, Unicam Or Splice On (F&I) – ST/SC/LC Type, Per Project Spec	10.00	EACH	\$80.00	\$800.00
082		FO Connector – SM, Unicam Or Splice On (F&I) – ST/SC/LC Type, Per Project Spec	10.00	EACH	\$80.00	\$800.00
083		FO Splice Closure – 12F Aerial/UG – Includes Trays, Splices (F&I)	100.00	EACH	\$1,625.00	\$162,500.00
084		FO Splice Closure – 24F Aerial/UG – Includes Trays, Splices (F&I)	20.00	EACH	\$2,265.00	\$45,300.00
085		FO Splice Closure – 48F Aerial/UG – Includes Trays, Splices (F&I)	20.00	EACH	\$3,975.00	\$79,500.00
086		FO Splice Closure – 96F Aerial/UG – Includes Trays, Splices (F&I)	20.00	EACH	\$6,175.00	\$123,500.00
087		FO Splice Closure – 144F Aerial/UG – Includes Trays, Splices (F&I)	10.00	EACH	\$7,575.00	\$75,750.00
088		FO Splice Closure – 288F Aerial/UG – Includes Trays, Splices (F&I)	10.00	EACH	\$12,675.00	\$126,750.00
089		FO Closure – Re-entry Kit, Cable Prep, Up To 288F, Aerial Or UG Installation (F&I)	20.00	EACH	\$475.00	\$9,500.00
090		FO OTDR Test – Any Wavelength, One Direction, Bare Fiber	1,000.00	EACH	\$12.50	\$12,500.00
091		FO Splice Tray, Fusion, HS 12F (F&I)	10.00	EACH	\$55.00	\$550.00
092		FO Splice Tray, Fusion, HS 24F (F&I)	10.00	EACH	\$65.00	\$650.00
093		FO Splice Tray, Fusion, HS 48F (F&I)	10.00	EACH	\$75.00	\$750.00
094		FO Splice Tray, Fusion, HS 96F (F&I)	10.00	EACH	\$115.00	\$1,150.00
095		FO Pigtail Splice – ST/SC/LC SM 2mm (F&I)	150.00	EACH	\$45.00	\$6,750.00
096		OPS Aerial – Messenger Cable, 1/4" (F&I)	10,000.00	LF	\$2.55	\$25,500.00
097		OSP Aerial – Remove Messenger Cable, 1/4" (F&I)	1,000.00	LF	\$0.85	\$850.00
098		OSP Aerial – Pole Attachment, LT, With J-Hook Concrete Pole, (F&I)	200.00	EACH	\$225.00	\$45,000.00
099		OSP Aerial – Pole Attachment, LT, With J-Hook Wood Pole, (F&I)	200.00	EACH	\$175.00	\$35,000.00
100		OSP Aerial – Pole Attachment, ADSS Tangent (F&I)	10.00	EACH	\$225.00	\$2,250.00
101		OSP Aerial – Pole Attachment, ADSS Dead End (F&I)	10.00	EACH	\$275.00	\$2,750.00
102		OSP Aerial – Place Down Guy Anchor 6 Ft, (F&I)	10.00	EACH	\$525.00	\$5,250.00
103		OSP Aerial – Place Pole Riser, 2" (F&I)	500.00	LF	\$37.50	\$18,750.00
104		OSP Aerial – Place Pole Riser, 1" (F&I)	1,000.00	LF	\$35.50	\$35,500.00
105		OSP Aerial – Placed Pre-Stressed Concert 35 Ft, Utility (F&I)	2.00	EACH	\$10,575.00	\$21,150.00
106		OSP Aerial – Placed Pre-Stressed Concert 45 Ft, Utility (F&I)	2.00	EACH	\$11,885.00	\$23,770.00
107		OSP Aerial – Placed Pre-Stressed Concert 75 Ft, Utility (F&I)	2.00	EACH	\$23,115.00	\$46,230.00

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
108		Pull Box – Composition 30x48x30 T22 Rated, W/ Split Lid (F&I)	10.00	EACH	\$1,575.00	\$15,750.00
109		Pull Box – Composition 24x36x24 T22 Rated, W/ Lid (F&I)	20.00	EACH	\$1,125.00	\$22,500.00
110		Pull Box – Composition 17x30x12 T22 Rated, W/ Split Lid (F&I)	10.00	EACH	\$765.00	\$7,650.00
111		Pull Box Apron – 12"wide By 6" Deep (F&I) All Box Sizes	20.00	EACH	\$595.00	\$11,900.00
112		Comm. Cabinet WE2488 – 24"Hx8"Wx8"D Sunshields (F&I)	10.00	EACH	\$2,445.00	\$24,450.00
113		Comm. Cabinet – (F&I) LCOM Or Equal	30.00	EACH	\$2,495.00	\$74,850.00
114		Comm. Cabinet 3363ESD – 46"Hx24"Wx30"D Sunshields (F&I)	1.00	EACH	\$4,735.00	\$4,735.00
115		Comm. Cabinet 332 – 67"Hx24"Wx30"D 2 Door, Sunshields, (Front/Rear) (F&I) On Existing Pad	1.00	EACH	\$6,425.00	\$6,425.00
116		Comm. Cabinet 334D – 67"Hx48"Wx30"D Quad Doors, Sunshields (F&I) On Existing Pad	1.00	EACH	\$7,225.00	\$7,225.00
117		DAS Power Cable 4C #12 CL2P	1,000.00	LF	\$4.25	\$4,250.00
118		DAS Power Cable 4C #16 CL2P	1,000.00	LF	\$3.25	\$3,250.00
119		DAS Power Cable 6C #12 CL2P	500.00	LF	\$4.85	\$2,425.00
120		DAS Power Cable 6C #16 CL2P	500.00	LF	\$3.55	\$1,775.00
121		DAS Hybrid 4F SM + 4C#12 Plenum, Armor (F&I)	500.00	LF	\$8.65	\$4,325.00
122		DAS Hybrid 4F SM + 4C#16 Plenum, Armor (F&I)	1,000.00	LF	\$6.75	\$6,750.00
123		DAS Hybrid 6F SM + 6C#12 Plenum, Armor (F&I)	500.00	LF	\$12.25	\$6,125.00
124		DAS Hybrid 6F SM + 6C#16 Plenum, Armor (F&I)	500.00	LF	\$7.85	\$3,925.00
125		Cat 6A Cable, Plenum, For Installation On DAS System (F&I)	200.00	LF	\$3.25	\$650.00
126		DAS Cabinet (4F& 1CU Keystone) Panel (F&I) (SPH-01P W/ CCH-CP12-DAS Or Equal)	200.00	EACH	\$195.00	\$39,000.00
127		DAS Connector CU 2C (F&I) #16018 Or Equal	100.00	EACH	\$50.00	\$5,000.00
128		DAS Connector FO SM, SC/LC (F&I) UPC/APC Match To Vendor Optic	100.00	EACH	\$70.00	\$7,000.00
129		CAT6A Patch Panel 24Port W/ Keystones Complete, Testing (F&I)	2.00	EACH	\$850.00	\$1,700.00
130		CAT6A Termination W/ Faceplate & Keystone (F&I)	20.00	EACH	\$33.00	\$660.00
131		CAT6A CU Drop Testing (Install)	10.00	EACH	\$15.00	\$150.00
132		Core Drill Wall Penetration 4" w/ Fire Barrier Pass Thru Device (F&I) (PT4RD or equal)	10.00	EACH	\$1,225.00	\$12,250.00
133		Core Drill Floor Penetration 4" w/ Scan and sleeve (F&I)	10.00	EACH	\$1,150.00	\$11,500.00
134		J-Hooks (F&I)	200.00	EACH	\$22.50	\$4,500.00
135		Undefined Materials – Markup (% Markup For Goods Not Identified In Contract)	0.00	PCNT	\$0.00	\$0.00
Total Price for above Lot 1 Non Fed Sec B Items:						\$2,387,155.00

Lot 2 Fed Funds Sec A

001	Engineering Florida PE Services – Hourly Rate	25.00	HR	\$250.00	\$6,250.00
002	BICSI RCDD – Hourly Rate	12.00	HR	\$195.00	\$2,340.00
003	CADD Operator – Hourly Rate	25.00	HR	\$125.00	\$3,125.00
004	Clerical Support Services – Hourly Rate	15.00	HR	\$75.00	\$1,125.00
005	Comm. Cable – Electronics Technician – Hourly Rate	2.00	HR	\$135.00	\$270.00
006	Comm. Cable Installer – Hourly Rate	87.00	HR	\$115.00	\$10,005.00
007	Comm. Duct Installer – Hourly Rate	175.00	HR	\$115.00	\$20,125.00
008	Tree Trimming – Hourly Rate	5.00	HR	\$195.00	\$975.00
009	OSP ROW Strand Mapping	2.00	MILE	\$2,500.00	\$5,000.00
010	OSP ROW Design And Permitting	25.00	MILE	\$3,250.00	\$81,250.00
011	OSP GPS Survey	12.00	MILE	\$4,000.00	\$48,000.00
012	OSP GIS Technician	12.00	MILE	\$2,250.00	\$27,000.00

Total Price for above Lot 2 Fed Funds Sec A Items: \$205,465.00

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
Lot 2 Fed Funds Sec B						
	013	Maintenance Of Traffic (MOT) Lane Closure	12.00	EACH	\$1,750.00	\$21,000.00
	014	Utility Locate – GPR Or Subsurface Utility Excavation	5.00	HR	\$145.00	\$725.00
	015	Trench Hand – Duct 2" HDPE/PVC Placed At 30-36" (F&I)	25.00	LF	\$12.50	\$312.50
	016	Trench Machine – Duct 2" HDPE/PVC Placed At 30-36" (F&I)	125.00	LF	\$15.00	\$1,875.00
	017	Duct 2" Extra Pipe In Trench/Bore (F&I)	62.00	LF	\$4.00	\$248.00
	018	Duct 1.25" Innerduct Colored (F&I) – Installed In Existing Duct	5.00	LF	\$3.50	\$17.50
	019	Directional Bore – 4x 1.25" HDPE Dir. Bore (F&I)	12.00	LF	\$25.00	\$300.00
	020	Maxcell 3 Cell – 2" (F&I)	50.00	LF	\$8.50	\$425.00
	021	Dir. Bore 2" HDPE Standard (F&I)	500.00	LF	\$22.00	\$11,000.00
	022	Dir. Bore 2" HDPE Special Condition (F&I) – Railroad, Canal, Deep Crossing, Limited ROW	75.00	LF	\$42.00	\$3,150.00
	023	Dir. Bore 8" HDPE Under Navigable Waterway (F&I)	25.00	LF	\$225.00	\$5,625.00
	024	Dir. Bore – MicroDuct – 2W 27/20mm (F&I) – Includes All Coupling, Racking	12.00	LF	\$22.75	\$273.00
	025	Dir. Bore – MicroDuct – 2W 16/13mm (F&I) – Includes All Coupling, Racking	12.00	LF	\$23.25	\$279.00
	026	Dir. Bore – MicroDuct – 4W 16/13mm (F&I) – Includes All Coupling, Racking	12.00	LF	\$24.00	\$288.00
	027	Duct 2" RGS, Above Ground (F&I) Includes Fittings & Incidentals	62.00	LF	\$26.75	\$1,658.50
	028	Duct 4" RGS, Above Ground (F&I) Includes Fittings & Incidentals	5.00	LF	\$36.25	\$181.25
	029	Duct 2" Fiberglass, Bridge Mount, (F&I) Includes Fittings & Incidentals	12.00	LF	\$90.00	\$1,080.00
	030	Duct 4" Fiberglass, Bridge Mount, (F&I) Includes Fittings & Incidentals	12.00	LF	\$125.00	\$1,500.00
	031	Tracer Wire - #14, Colored Per Client Spec (F&I)	7,500.00	LF	\$0.95	\$7,125.00
	032	Detectable Marking Tape, Orange (F&I)	25.00	LF	\$0.75	\$18.75
	033	Duct 2" PVC Split Duct (F&I) W/ Couplers, Clamps, Bonding Agents	50.00	LF	\$28.75	\$1,437.50
	034	Duct Proofing & Jet Line (F&I)	1,750.00	LF	\$1.50	\$2,625.00
	035	Restoration – Sod, Seed (F&I)	62.00	SF	\$4.00	\$248.00
	036	Delineator Marker Post 6' (F&I) w/ Client Info Label	5.00	EACH	\$100.00	\$500.00
	037	Delineator Marker Post 6' (F&I) w/ Fink Locate Plate	2.00	EACH	\$125.00	\$250.00
	038	FO Cable – 6F SM LT OSP (F&I) Aerial Or UG Installation	250.00	LF	\$2.30	\$575.00
	039	FO Cable – 12F SM LT OSP (F&I) Aerial Or UG Installation	500.00	LF	\$2.45	\$1,225.00
	040	FO Cable – 24F SM LT OSP (F&I) Aerial Or UG Installation	2,500.00	LF	\$2.65	\$6,625.00
	041	FO Cable – 48F SM LT OSP (F&I) Aerial Or UG Installation	8,750.00	LF	\$2.95	\$25,812.50
	042	FO Cable – 96F SM LT OSP (F&I) Aerial Or UG Installation	5,000.00	LF	\$3.00	\$15,000.00
	043	FO Cable - 144F SM LT OSP (F&I) Aerial Or UG Installation	500.00	LF	\$3.75	\$1,875.00
	044	FO Cable - 288F SM LT OSP (F&I) Aerial Or UG Installation	500.00	LF	\$5.85	\$2,925.00
	045	FO Cable – 12F SM MiniXtend (F&I)	50.00	LF	\$2.35	\$117.50
	046	FO Cable – 96F SM MiniXtend (F&I)	50.00	LF	\$3.15	\$157.50
	047	FO Cable – 144F SM MiniXtend (F&I)	50.00	LF	\$3.75	\$187.50
	048	FO Cable – 24F SM All Dielectric Self Supporting, Aerial (F&I)	125.00	LF	\$3.25	\$406.25
	049	FO Cable – 144F SM All Dielectric Self Supporting, Aerial (F&I)	125.00	LF	\$4.50	\$562.50
	050	FO Cable – 6F SM Indoor Outdoor Plenum (F&I) – Corning FREEDM Or Equal	62.00	LF	\$3.85	\$238.70
	051	FO Cable – 12F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	62.00	LF	\$4.00	\$248.00

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
	052	FO Cable – 24F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	62.00	LF	\$5.50	\$341.00
	053	FO Cable – 48F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	125.00	LF	\$6.15	\$768.75
	054	FO Cable – 96F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	125.00	LF	\$6.50	\$812.50
	055	FO Cable – 144F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	62.00	LF	\$7.75	\$480.50
	056	FO Cable – 288F SM Indoor Outdoor (F&I) – Corning FREEDM Or Equal	25.00	LF	\$11.50	\$287.50
	057	FO Cable – 6F SM OFNR/OFNP (F&I) – By Project Requirement	62.00	LF	\$2.75	\$170.50
	058	FO Cable – 12F SM OFNR/OFNP (F&I) – By Project Requirement	62.00	LF	\$2.95	\$182.90
	059	FO Cable – 24F SM OFNR/OFNP (F&I) – By Project Requirement	125.00	LF	\$3.25	\$406.25
	060	FO Cable – 48F SM OFNR/OFNP (F&I) – By Project Requirement	125.00	LF	\$3.55	\$443.75
	061	FO Cable – 96F SM OFNR/OFNP (F&I) – By Project Requirement	125.00	LF	\$3.75	\$468.75
	062	FO Cable – 144F SM OFNR/OFNP (F&I) – By Project Requirement	62.00	LF	\$4.25	\$263.50
	063	FO Cable – 12F MM 62.5m OM1, LT, OSP (F&I)	25.00	LF	\$4.35	\$108.75
	064	FO Cable – 24F MM 62.5m OM1, LT, OSP (F&I)	25.00	LF	\$5.65	\$141.25
	065	FO Cable – 12F MM 50m OM4, LT, OSP (F&I)	25.00	LF	\$6.50	\$162.50
	066	FO Cable – 24F MM 50m OM4, LT, OSP (F&I)	25.00	LF	\$8.95	\$223.75
	067	FO Cable – 12F MM 50m OM4, OFNR (F&I)	25.00	LF	\$4.95	\$123.75
	068	FO Cable – 24F MM 50m OM4, OFNR (F&I)	25.00	LF	\$7.50	\$187.50
	069	FO Cable – 12F MM Plenum, Tight Buffer (F&I)	25.00	LF	\$4.00	\$100.00
	070	FO Cable – 24F MM Plenum, Tight Buffer (F&I)	25.00	LF	\$7.00	\$175.00
	071	FO Cable – Cable Removal – OSP/ISP	250.00	LF	\$0.75	\$187.50
	072	FO Cable – Cable Relocation – Remove & Reinstall	250.00	LF	\$1.85	\$462.50
	073	FO Term Cabinet – 12F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	5.00	EACH	\$1,625.00	\$8,125.00
	074	FO Term Cabinet – 24F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	5.00	EACH	\$2,395.00	\$11,975.00
	075	FO Term Cabinet – 48F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	7.00	EACH	\$4,675.00	\$32,725.00
	076	FO Term Cabinet – 96F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	5.00	EACH	\$7,695.00	\$38,475.00
	077	FO Term Cabinet – 144F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	2.00	EACH	\$10,885.00	\$21,770.00
	078	FO Term Cabinet – 288F Wall/Rack Cabinet, Trays, Pigtails, Splices, Tests (F&I)	2.00	EACH	\$19,990.00	\$39,980.00
	079	FO Fanout – 6F (F&I)	2.00	EACH	\$65.00	\$130.00
	080	FO Fanout – 12F (F&I)	2.00	EACH	\$85.00	\$170.00
	081	FO Connector – MM, Unicam Or Splice On (F&I) – ST/SC/LC Type, Per Project Spec	2.00	EACH	\$80.00	\$160.00
	082	FO Connector – SM, Unicam Or Splice On (F&I) – ST/SC/LC Type, Per Project Spec	2.00	EACH	\$80.00	\$160.00
	083	FO Splice Closure – 12F Aerial/UG – Includes Trays, Splices (F&I)	25.00	EACH	\$1,625.00	\$40,625.00
	084	FO Splice Closure – 24F Aerial/UG – Includes Trays, Splices (F&I)	5.00	EACH	\$2,265.00	\$11,325.00
	085	FO Splice Closure – 48F Aerial/UG – Includes Trays, Splices (F&I)	5.00	EACH	\$3,975.00	\$19,875.00
	086	FO Splice Closure – 96F Aerial/UG – Includes Trays, Splices (F&I)	5.00	EACH	\$6,175.00	\$30,875.00
	087	FO Splice Closure – 144F Aerial/UG – Includes Trays, Splices (F&I)	2.00	EACH	\$7,575.00	\$15,150.00
	088	FO Splice Closure – 288F Aerial/UG – Includes Trays, Splices (F&I)	2.00	EACH	\$12,675.00	\$25,350.00
	089	FO Closure – Re-entry Kit, Cable Prep, Up To 288F, Aerial Or UG Installation (F&I)	5.00	EACH	\$475.00	\$2,375.00
	090	FO OTDR Test – Any Wavelength, One	250.00	EACH	\$12.50	\$3,125.00

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
		Direction, Bare Fiber				
091		FO Splice Tray, Fusion, HS 12F (F&I)	2.00	EACH	\$55.00	\$110.00
092		FO Splice Tray, Fusion, HS 24F (F&I)	2.00	EACH	\$65.00	\$130.00
093		FO Splice Tray, Fusion, HS 48F (F&I)	2.00	EACH	\$75.00	\$150.00
094		FO Splice Tray, Fusion, HS 96F (F&I)	2.00	EACH	\$115.00	\$230.00
095		FO Pigtail Splice – ST/SC/LC SM 2mm (F&I)	37.00	EACH	\$45.00	\$1,665.00
096		OPS Aerial – Messenger Cable, 1/4" (F&I)	2,500.00	LF	\$2.55	\$6,375.00
097		OSP Aerial – Remove Messenger Cable, 1/4" (F&I)	250.00	LF	\$0.85	\$212.50
098		OSP Aerial – Pole Attachment, LT, With J-Hook Concrete Pole, (F&I)	50.00	EACH	\$225.00	\$11,250.00
099		OSP Aerial – Pole Attachment, LT, With J-Hook Wood Pole, (F&I)	50.00	EACH	\$175.00	\$8,750.00
100		OSP Aerial – Pole Attachment, ADSS Tangent (F&I)	2.00	EACH	\$225.00	\$450.00
101		OSP Aerial – Pole Attachment, ADSS Dead End (F&I)	2.00	EACH	\$275.00	\$550.00
102		OSP Aerial – Place Down Guy Anchor 6 Ft, (F&I)	2.00	EACH	\$525.00	\$1,050.00
103		OSP Aerial – Place Pole Riser, 2" (F&I)	125.00	LF	\$37.50	\$4,687.50
104		OSP Aerial – Place Pole Riser, 1" (F&I)	250.00	LF	\$35.50	\$8,875.00
105		OSP Aerial – Placed Pre-Stressed Concert 35 Ft, Utility (F&I)	2.00	EACH	\$10,575.00	\$21,150.00
106		OSP Aerial – Placed Pre-Stressed Concert 45 Ft, Utility (F&I)	2.00	EACH	\$11,885.00	\$23,770.00
107		OSP Aerial – Placed Pre-Stressed Concert 75 Ft, Utility (F&I)	2.00	EACH	\$23,115.00	\$46,230.00
108		Pull Box – Composition 30x48x30 T22 Rated, W/ Split Lid (F&I)	2.00	EACH	\$1,575.00	\$3,150.00
109		Pull Box – Composition 24x36x24 T22 Rated, W/ Lid (F&I)	5.00	EACH	\$1,125.00	\$5,625.00
110		Pull Box – Composition 17x30x12 T22 Rated, W/ Split Lid (F&I)	2.00	EACH	\$765.00	\$1,530.00
111		Pull Box Apron – 12"wide By 6" Deep (F&I) All Box Sizes	5.00	EACH	\$595.00	\$2,975.00
112		Comm. Cabinet WE2488 – 24"Hx8"Wx8"D Sunshields (F&I)	2.00	EACH	\$2,445.00	\$4,890.00
113		Comm. Cabinet – (F&I) LCOM Or Equal	7.00	EACH	\$2,495.00	\$17,465.00
114		Comm. Cabinet 3363ESD – 46"Hx24"Wx30"D Sunshields (F&I)	2.00	EACH	\$4,735.00	\$9,470.00
115		Comm. Cabinet 332 – 67"Hx24"Wx30"D 2 Door, Sunshields, (Front/Rear) (F&I) On Existing Pad	2.00	EACH	\$6,425.00	\$12,850.00
116		Comm. Cabinet 334D – 67"Hx48"Wx30"D Quad Doors, Sunshields (F&I) On Existing Pad	2.00	EACH	\$7,225.00	\$14,450.00
117		DAS Power Cable 4C #12 CL2P	250.00	LF	\$4.25	\$1,062.50
118		DAS Power Cable 4C #16 CL2P	250.00	LF	\$3.25	\$812.50
119		DAS Power Cable 6C #12 CL2P	125.00	LF	\$4.85	\$606.25
120		DAS Power Cable 6C #16 CL2P	125.00	LF	\$3.55	\$443.75
121		DAS Hybrid 4F SM + 4C#12 Plenum, Armor (F&I)	125.00	LF	\$8.65	\$1,081.25
122		DAS Hybrid 4F SM + 4C#16 Plenum, Armor (F&I)	250.00	LF	\$6.75	\$1,687.50
123		DAS Hybrid 6F SM + 6C#12 Plenum, Armor (F&I)	125.00	LF	\$12.25	\$1,531.25
124		DAS Hybrid 6F SM + 6C#16 Plenum, Armor (F&I)	125.00	LF	\$7.85	\$981.25
125		Cat 6A Cable, Plenum, For Installation On DAS System (F&I)	50.00	LF	\$3.25	\$162.50
126		DAS Cabinet (4F& 1CU Keystone) Panel (F&I) (SPH-01P W/ CCH-CP12-DAS Or Equal)	50.00	EACH	\$195.00	\$9,750.00
127		DAS Connector CU 2C (F&I) #16018 Or Equal	25.00	EACH	\$50.00	\$1,250.00
128		DAS Connector FO SM, SC/LC (F&I) UPC/APC Match To Vendor Optic	25.00	EACH	\$70.00	\$1,750.00
129		CAT6A Patch Panel 24Port W/ Keystones Complete, Testing (F&I)	2.00	EACH	\$850.00	\$1,700.00
130		CAT6A Termination W/ Faceplate & Keystone (F&I)	5.00	EACH	\$33.00	\$165.00

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
	131	CAT6A CU Drop Testing (Install)	2.00	EACH	\$15.00	\$30.00
	132	Core Drill Wall Penetration 4" w/ Fire Barrier Pass Thru Device (F&I) (PT4RD or equal)	2.00	EACH	\$1,225.00	\$2,450.00
	133	Core Drill Floor Penetration 4" w/ Scan and sleeve (F&I)	2.00	EACH	\$1,150.00	\$2,300.00
	134	J-Hooks (F&I)	50.00	EACH	\$22.50	\$1,125.00
	135	Undefined Materials – Markup (% Markup For Goods Not Identified In Contract)	0.00	PCNT	\$0.00	\$0.00
Total Price for above Lot 2 Fed Funds Sec B Items:						\$663,894.60

Total Bid Price: \$4,096,764.60

Notes:

• **General - Scope & Location**

Location:

PCS INCLUDES the installation, splicing, termination & testing of a ____F SM fiber optic cable and ____F SM drop fiber optic cable.

PCS INCLUDES FO Cable **Relocation and/or Removal** scope of work only when specified by plans notes or special provisions and specifically quoted with a unit price in PCS proposal.

PCS EXCLUDES tracer wire and/or locate wire from scope of work included in PCS proposal.

PCS EXCLUDES any/all conduit, pull/splice box, FO tubular delineator removal, relocation or installation which may be required by project specifications or plan notes. All modifications needed to conduits, pull boxes, markers or other infrastructure shall be performed by others.

PCS EXCLUDES from PCS Scope of Work any infrastructure modifications which may be necessary to complete the fiber optic cable installation.

• **General – Fiber Lead Time**

The Current Lead time for delivery of Fiber Optic Cable is 4 to 8 weeks AFTER RECEIPT OF PURCHASE ORDER.

- Fiber optic cable purchase orders cannot be placed until submittals have been approved by owner.
- PCS requires an executed contract prior to making material submittals to OWNER.

• **General - Unit Prices**

All prices quoted are **UNIT PRICES**. Project invoices and payments shall be determined by actual field measurements for quantities installed on project. All payments to PCS shall be inclusive of all actual quantities installed on the project.

• **General - Fiber Optic Locator Per Day Pay Item 633-6**

PCS INCLUDES price to provide a Fiber Optic Locator on a PER CONTRACT DAY basis as provided in proposal.

Pay Item 633-6 will include a PCS Trained fiber optic cable locator with tools onsite when locates are called 48 hours in advance to Sunshine One Call and PCS direct. The client shall provide PCS 48 hours of notice to schedule locator services.

PCS will perform the FO locates, but additional measures may need to be taken by the Client where congestion does not allow for above ground locate methods to accurately identify subsurface fiber optic cables.

PCS EXCLUDES any/all Subsurface Utility Engineering (SUE) that may be required of the General or other Subcontractors to properly protect identified infrastructure. It shall be the Client's responsibility to perform Soft Digs or Ground Penetrating Radar (GPR) services as necessary to mitigate heavily congested areas to accurately locate the fiber optic cable. It shall also be the Client's responsibility to call in their own 811 locate tickets as they normally would for all other non-FDOT infrastructure.

Emergency Locates are defined as locates with less than 48 hours' notice. PCS will make a good faith effort to provide emergency locates when PCS has an available locator. Emergency locates will be invoiced at 1.5 times the quoted daily rate.

PCS EXCLUDES: cost of registering the location of FDOT assets with utility locate service providers.

• **General - Sufficient Time**

It is the responsibility of the contractor to allow sufficient time after granting access to raceways for PCS to complete its scope of work based upon the total work days necessary to complete scope of work as provided by PCS.

• **General - 30 Day Notice – Work Days**

PCS requires 30 days written notice from Fully Executed Contract Date for project scheduling and material procurement. PCS will require 15 work days to perform the proposed ITS/FO permanent scope of work but the entire contract period for required ITS/FO Locates.

- **General - MOT (Excludes Lane Closures)**

PCS INCLUDES MOT for the immediate work area of their crews as required by the MUTCD. However any MOT requiring lane closures, detours, traffic diversions or police officers necessary for the safe performance of work by PCS is to be provided by others.

PCS EXCLUDES the cost for lane closures, detours, traffic diversions and/or police officers from scope of work in PCS proposal.

- **General - Mobilization**

PCS will mobilize a total of 1 times for the proposed work after noticed by the contractor. Additional Mobilizations will be billed as additions to contract at \$500 per Mobilization.

- **General - Duct Plugs (Included)**

PCS INCLUDES the one hole duct plugs necessary to comply with standard specifications relevant to the duct housing installation of fiber optic/copper communication cables.

PCS EXCLUDES duct plugs for vacant / electrical pathway conduits.

- **General - No Bond (Sales Tax Included)**

PCS EXCLUDES the cost for a performance bond.

- If a Payment & Performance Bond is desired, ADD 1.25% of the Proposal Total for bond.

- Please see Payment terms. If a Bond is provided, no retainage to be held from PCS progress invoices.

- **General – Fiber Pathways**

All conduits, cable tray, pull boxes, manholes, ladder racks, man hole racks, risers, entrances and/or poles must be installed and tied in by OTHERS prior to PCS starting work.

PCS INCLUDES the installation or furnish and installation of fiber optic cable.

PCS EXCLUDES all infrastructure pathways, pull boxes, man holes, risers, NEMA cabinets, building entry or poles.

PCS is not responsible for damage by others to FO Cable or other equipment after placement by PCS. Contractor must allow sufficient time for Subcontractor to complete its scope of work after access to raceways is given

- **General – OTDR Testing & Certification**

PCS INCLUDES the OTDR Testing of Fiber Optic Splices and/or Terminations which are performed by PCS ONLY.

PCS EXCLUDES the OTDR testing of splices and/or terminations which are performed BY OTHERS, unless the required OTDR testing of work performed BY OTHERS is specifically included in PCS's proposal with a separate Pay Item for that additional OTDR Testing.

PLEASE NOTE in the event PCS performs a mid-span splice to a drop cable which has already been installed and terminated BY OTHERS, then PCS SHALL NOT be responsible for providing an OTDR Test for that mid-span splice. The OTDR Test shall be performed BY OTHERS when testing the drop cable from the cabinet.

- **General - Excludes Temporary and/or Maintenance Of Communications**

PCS EXCLUDES ANY and ALL Temporary Communications and/or Maintenance of Communications (MOC) as NO Specification or MTR or MOC Plan was provided with detailed plans or phasing for a temporary communication system.

PCS EXCLUDES from scope of work in PCS proposal ANY requirement detailing the need to maintain existing communication for Trunk, Drop ITS Device Distribution or any combination.

- **General - Fiber Locate Exclusion**

PCS EXCLUDES: cost to locate fiber optic cable after installation on project when required for ongoing construction activities.

PCS EXCLUDES: cost of registering the location of fiber optic cable with utility locate service providers.

- **General - Complete Proposal**

Proposed pricing is based on award of all items bid upon. PCS reserves the right to modify unit prices if all quoted items are not awarded. Prices are only valid for 90 days of the bid date. PCS reserves the right to modify or withdraw their offer if either a letter of intent or a contract is not received within 90 days of the bid date.

- **General - Proposal as Addendum to Contract**

This proposal in its entirety and including all notes of clarification shall be added as an addendum to any resulting contract for the referenced project. If any of the PCS notes of clarification conflict with the contract provisions, the PCS notes shall supersede the contract provisions and govern accordingly.

- **General - Payment Terms for Repair Scopes of Work**

The payment terms for any/all repair scopes of work shall be **DUE UPON COMPLETION**.

The **DUE UPON COMPLETION** payment terms shall apply to the proposed repair scopes of work ONLY.

If the repair scope of work outlined in this proposal is to be incorporated into a previously established contract with different payment terms, then the **DUE UPON COMPLETION** payment terms shall supercede the payment terms from the previously established contract for the proposed repair scopes of work ONLY.

By contracting PCS to perform these proposed repair scopes of work, you are agreeing to payment terms of **DUE UPON COMPLETION** for performance of those scope of work.

- **Maintenance - FON Exclusion**

PCS **EXCLUDES** cost for maintenance of communications for Fiber Optic Network and ITS Devices from scope of work in proposal. PCS technicians are available for troubleshooting and repair of network issues on an hourly rate basis if needed by contractor.

- **Testing and Deliverables**

PCS's project deliverables, inclusive of final project fiber optic test reports, redline construction asbuilts and any electronic mapping/database documentation shall be within 30 days of the final physical project site construction to allow for processing of this data, inclusion into required CAD, GIS or PDF deliverable formatted documents and transmission to the Client, exclusive of contract time. PCS will not be responsible for contractual damages due to capture, processing and transmission of project closeout documentation. Any FDOT required ITSFM GIS documentation is reliant upon FDOT Roadway "seed files" being available, accurate and provided to use as our base file to upload the collected GPS/GIS data.

- **General – IP Schema Generation**

PCS **EXCLUDES** the scope of work for creating a project IP Schema as part of this proposal unless specifically outlined in a separate Pay Item above. Furthermore, the scope of work for IP Schema Generation is NOT inclusive or an implied scope responsibility to any of the F&I items listed above.

- **General – Integration of ITS & Signalization Electronics**

PCS **INCLUDES** the programming of IP addresses in accordance with the project's IP Schema and the device configuration files for all ITS & Signalization electronics devices which PCS Furnishes and Installs, on the condition that the appropriate IP addresses and device configuration files are provided to PCS at least 2 weeks in advance of the scheduled installation date of those devices.

PCS **EXCLUDES** the scope of work for the completion and submittal of SunGUIDE Integration forms as part of this proposal unless specifically outlined in a separate Pay Item above. Furthermore, the scope of work for completion of SunGUIDE Integration forms is not inclusive or an implied scope responsibility to any of the F&I items listed above.

PCS **EXCLUDES** the scope of work for creating a project IP Schema as part of this proposal unless specifically outlined in a separate Pay Item above. Furthermore, the scope of work for IP Schema Generation is NOT inclusive or an implied scope responsibility to any of the F&I items listed above.

- **General – Standalone Testing**

PCS **INCLUDES** the scope of work for performance of Field Acceptance Testing (FAT) or Standalone Testing (SAT) activities is included for each of the F&I items listed above ONLY.

PCS **EXCLUDES** the performance of all FAT/SAT testing activities for any devices not included in PCS's proposal above.

- **General – Subsystem & System Testing**

PCS **EXCLUDES** the performance of all Subsystem and System level testing activities from this proposal unless specifically outlined in a separate Pay Item above. Furthermore, the scope of work for performance of Subsystem and/or System Testing activities is NOT inclusive or an implied scope responsibility to any of the F&I items listed above.

- **All Contracts, Purchase Orders, Change Orders, and/or similar paperwork should be sent directly to contracts@pcsfiber.com. For other inquiries, call 561-743-9737.**

Payment Terms:

Payment terms: NET 30 Days and 18% APR for balances exceeding 30 Days. May use VISA to pay amounts due. There is a 3.5% processing fee for accepting payment by credit card for invoices.

Payment Terms for Repair Scopes of Work: The payment terms for any/all repair scopes of work shall be **DUE UPON COMPLETION**.

Required Documentation:

Each order must be accompanied by a signed Purchase Order, Change Order or Contract. These documents are required in addition to the signature of acceptance below.

ACCEPTED:

The above prices, specifications and conditions are satisfactory and are hereby accepted.

Buyer: _____

Signature: _____

Date of Acceptance: _____

CONFIRMED:

Precision Contracting Services, Inc

Authorized Signature: _____

Estimator: Jim Heaton

561-743-9737, ext. 7128 jim@pcsfiber.com