

February 4, 1999

Financial Affairs  
Richard H. Hinds, Chief Financial Officer

**SUBJECT: AWARD OF BID #050-XX04 – WIRING, TELECOMMUNICATION  
(FURNISH AND INSTALL-VOICE AND DATA)**

The purpose of this bid, opened on January 12, 1999, is to establish a contract, to purchase, at firm unit prices, quantities, as may be required, of telecommunications wiring and installation, for the Office of Information Technology. This is a term bid which states that the Board may purchase quantities, as may be required, at the unit price bid, but is not obligated to purchase any guaranteed amount. The award of this contract is to the three (3) lowest bidders meeting specifications, as determined by applying the unit price to a material estimate, based on a prototypical school. It is estimated that approximately 5.2%, \$156,000 annually, may be saved over the previous bids. Of 143 vendors sent bid forms or card notices of this advertised bid, 22 responded, with 12 bids meeting specifications, 3 bids not meeting specifications, (not all vendors bid all items) and 7 no bids.

Fund Source  
Various

M/WBE ELIGIBILITY  
None

**RECOMMENDED:**

That The School Board of Miami-Dade County, Florida, **AWARD Bid #050-XX04 WIRING, TELECOMMUNICATION (FURNISH AND INSTALL-VOICE AND DATA)**, to purchase, at firm unit prices, quantities, as may be required, of telecommunications wiring and installation, for the Office of Information Technology, during the term of the bid, effective April 1, 1999 through March 31, 2001, as follows:

**REPLACEMENT  
G-67**

1. ELECTRIC POWER & SERVICE OF DADE COUNTY, INC.  
3550 BISCAYNE BOULEVARD, SUITE 607  
MIAMI, FL 33137

Third Total Low Unit Price Meeting Specifications:  
All Items

Item	1	- 1/2" GRS Conduit installed	@	\$4.70 per foot
Item	2	- 1/2" IMC Conduit	@	\$4.50 per foot
Item	3	- 1/2" EMT	@	\$4.70 per foot
Item	4	- 3/4" GRS Conduit	@	\$5.50 per foot
Item	5	- 3/4" IMC Conduit	@	\$5.00 per foot
Item	6	- 3/4" EMT	@	\$5.10 per foot
Item	7	- 1" GRS Conduit	@	\$7.20 per foot
Item	8	- 1" IMC	@	\$7.00 per foot
Item	9	- 1" IMT	@	\$6.30 per foot
Item	10	- 1-1/4" GRC Conduit	@	\$8.95 per foot
Item	11	- 1-1/4" IMC Conduit	@	\$8.60 per foot
Item	12	- 1-1/4" EMT Conduit	@	\$7.95 per foot
Item	13	- 1-1/2" GRS Conduit	@	\$10.35 per foot
Item	14	- 1-1/2" IMC	@	\$9.40 per foot
Item	15	- 1-1/2" EMT	@	\$8.95 per foot
Item	16	- 2" GRS Conduit	@	\$13.50 per foot
Item	17	- 2" IMC	@	\$12.75 per foot
Item	18	- 2" EMT	@	\$12.50 per foot
Item	19	- 2-1/2" GRS	@	\$17.00 per foot
Item	20	- 2-1/2" IMC	@	\$16.36 per foot
Item	21	- 2-1/2" EMT	@	\$12.95 per foot
Item	22	- 3" GRS Conduit	@	\$22.29 per foot
Item	23	- 3" IMC Conduit	@	\$21.35 per foot
Item	24	- 3" EMT Conduit	@	\$17.95 per foot
Item	25	- 4" GRS Conduit	@	\$29.45 per foot
Item	26	- 4" IMC Conduit	@	\$27.45 per foot
Item	27	- 4" EMT Conduit	@	\$24.47 per foot
Item	28	- 1" PVC Schedule 40	@	\$0.91 per foot
Item	29	- 2" PVC Schedule 40	@	\$1.45 per foot
Item	30	- 3" PVC Schedule 40	@	\$2.36 per foot
Item	31	- 4" PVC Schedule 40	@	\$2.95 per foot
Item	32	- 24" X 24" X 12" Pullbox	@	\$135.00 per foot
Item	33	- 12" X 12" X 8" Pullbox	@	\$81.00 per foot
Item	34	- 4" X 4" X 2" Pullbox	@	\$13.00 per foot
Item	35	- Trenching, 24"-1" PVC soil	@	\$6.80 per foot

Item 36	- Trenching, 24"-2" PVC soil	@	\$8.00 per foot
Item 37	- Trenching, 24"-3" PVC soil	@	\$8.00 per foot
Item 38	- Trenching, 24"-4" PVC soil	@	\$9.00 per foot
Item 39	- Trenching, 24"-1" asphalt	@	\$12.00 per foot
Item 40	- Trenching, 24"-2" asphalt	@	\$13.50 per foot
Item 41	- Trenching, 24"-3" asphalt	@	\$14.00 per foot
Item 42	- Trenching, 24"-4" asphalt	@	\$14.50 per foot
Item 43	- Trenching, 24"-2" sidewalks	@	\$17.00 per foot
Item 44	- Trenching, 24"-2" sidewalks	@	\$17.00 per foot
Item 45	- Trenching, 24"- 3" sidewalks	@	\$18.50 per foot
Item 46	- Trenching, 24"-4"s Sidewalks	@	\$19.50 per foot
Item 47	- Core drill, 8" concrete block	@	\$13.00 per inch
Item 48	- Core drill, concrete 4" depth	@	\$18.50 per inch
Item 49	- Fire Stop any hole	@	\$35.50 per inch
Item 50	- Place/add Pull String to conduit	@	\$0.15 per foot
Item 51	- Paint Rigid Conduit that is to be installed underground	@	\$12.10 per foot
Item 52	- Ground Rod Metal, 20 ft.	@	\$73.00 per each
Item 53	- 4' X 8' Backboard	@	\$76.00 per each
Item 54	- 120V Electrical outlet	@	\$6.00 per each
Item 55	- Dual 120V outlet to Quad 120V	@	\$28.00 per each
Item 56	- Protector 189 w/4C1S 100 Pair	@	\$770.00 per each
Item 57	- 4C1S Protector	@	\$3.50 per each
Item 58	- 4 Pr 3 Element gas tube protector	@	\$60.00 per each
Item 59	- 6 Pr 3 Element gas tube protector	@	\$65.00 per each
Item 60	- 25 Pr 3 Element gas tube protector	@	\$224.00 per each
Item 61	- 50 Pr 3 Element gas tube protector	@	\$280.00 per each
Item 62	- EDCO # OPX48 Protector	@	\$13.00 per each
Item 63	- EDCO # OPX200 Protector	@	\$10.70 per each
Item 64	- 300 Pair crossconnect field	@	\$38.00 per each
Item 65	- 100 Pair crossconnect field	@	\$24.70 per each
Item 66	- 50 Pair crossconnect field	@	\$12.20 per each
Item 67	- 25 Pair crossconnect field	@	\$14.35 per each
Item 68	- 66M1-50 Connector Block	@	\$4.65 per each
Item 69	- 89B Stand-off brackets	@	\$4.90 per each
Item 70	- Jack panel, AT&T #104409396	@	\$89.35 per each
Item 71	- Jack panel, AT&T #104409404	@	\$227.15 per each
Item 72	- Jack panel, AT&T #106791536	@	\$29.85 per each
Item 73	- Jack panel, AT&T 110CAT5-24	@	\$115.25 per each
Item 74	- Jack panel, AT&T 110CAT5-32	@	\$149.00 per each

Item 75	- Jack panel, AT&T110CAT5-48	@	\$167.55 per each
Item 76	- Jack panel, AT&T 110CAT5-64	@	\$255.80 per each
Item 77	- Bracket, Wall 3.5"	@	\$36.00 per each
Item 78	- Bracket, Wall 7"	@	\$47.65 per each
Item 79	- 6 pair jelly-filled, 24 AWG	@	\$1.05 per foot
Item 80	- 25 pair jelly-filled cable, 24 AWG	@	\$1.12 per foot
Item 81	- 50 pair jelly-filled, 24 AWG	@	\$1.29 per foot
Item 82	- 75 pair jelly-filled cable, 24 AWG	@	\$2.05 per foot
Item 83	- 100 pair jelly-filled cable, 24 AWG	@	\$1.86 per foot
Item 84	- 200 pair jelly-filled cable, 24 AWG	@	\$3.12 per foot
Item 85	- 300 pair jelly-filled cable, 24 AWG	@	\$4.75 per foot
Item 86	- 400 pair jelly-filled cable, 24 AWG	@	\$7.56 per foot
Item 87	- 600 pair jelly-filled cable, 24 AWG	@	\$9.71 per foot
Item 88	- 4 pair 24 AWG PVC cable	@	\$0.36 per foot
Item 89	- 25 pair 24 AWG PVC cable	@	\$0.72 per foot
Item 90	- 100 pair 24 AWG PVC cable	@	\$2.17 per foot
Item 91	- 200 pair 24 AWG PVC cable	@	\$4.00 per foot
Item 92	- 300 pair 24 AWG PVC cable	@	\$5.00 per foot
Item 93	- 400 pair 24 AWG PVC cable	@	\$6.50 per foot
Item 94	- 600 pair 24 AWG PVC cable	@	\$8.23 per foot
Item 95	- 4 pair 24 AWG cable, plenum	@	\$0.38 per foot
Item 96	- 25 pair 24 AWG cable, plenum	@	\$1.18 per foot
Item 97	- 50 pair 24 AWG cable, plenum	@	\$1.88 per foot
Item 98	- 100 pair 24 AWG cable, plenum	@	\$3.67 per foot
Item 99	- 4 twisted pair 24AWG plen. cat 5	@	\$0.50 per foot
Item 100	- 4 twisted pair 24AWG PVC cat 5	@	\$0.34 per foot
Item 101	- 4 - 4 pair 24AWG PVC cat 5	@	\$1.36 per foot
Item 102	- 8 - 4 pair 24AWG PVC cat 5	@	\$2.72 per foot
Item 103	- 12 - 4 pair 24AWG PVC cat 5	@	\$4.08 per foot
Item 104	- 16 - 4 pair 24AWG PVC cat 5	@	\$5.44 per foot
Item 105	- 20 - 4 pair 24AWG PVC cat 5	@	\$6.80 per foot
Item 106	- 24 - 4 pair 24AWG PVC cat 5	@	\$8.41 per foot
Item 107	- 28 - 4 pair 24AWG PVC cat 5	@	\$9.52 per foot
Item 108	- 32-4pair 24AWG PVC cat 5	@	\$10.88 per foot
Item 109	- 36 - 4 pair 24AWG PVC cat 5	@	\$10.00 per foot
Item 110	- 40 - 4 pair 24AWG PVC cat 5	@	\$10.60 per foot
Item 111	- 44 - 4 pair 24AWG PVC cat 5	@	\$12.00 per foot
Item 112	- 48 - 4 pair 24AWG PVC cat 5	@	\$13.00 per foot
Item 113	- 4 - 4 pair 24AWG plenum cat 5	@	\$1.80 per foot
Item 114	- 8 - 4 pair 24AWG plenum cat 5	@	\$3.60 per foot
Item 115	- 12 - 4 pair 24AWG plenum cat 5	@	\$5.40 per foot

Item 116	- 16 - 4 pair 24AWG plenum cat 5	@	\$7.20 per foot
Item 117	- 20 - 4 pair 24AWG plenum cat 5	@	\$9.00 per foot
Item 118	- 24 - 4 pair 24AWG plenum cat 5	@	\$9.12 per foot
Item 119	- 28 - 4 pair 24AWG plenum cat 5	@	\$10.60 per foot
Item 120	- 32 - 4 pair 24AWG plenum cat 5	@	\$10.40 per foot
Item 121	- 36 - 4 pair 24AWG plenum cat 5	@	\$13.60 per foot
Item 122	- 40 - 4 pair 24AWG plenum cat 5	@	\$15.40 per foot
Item 123	- 44 - 4 pair 24AWG plenum cat 5	@	\$16.80 per foot
Item 124	- 48 - 4 pair 24AWG plenum cat 5	@	\$18.10 per foot
Item 125	- 8 wire modular station jack	@	\$4.30 per foot
Item 126	- 8 wire modular station jack, cat 5	@	\$4.90 per foot
Item 127	- Faceplate for 2 to 6 modular jacks	@	\$1.99 per foot
Item 128	- Mounting kit for wall phone	@	\$5.37 per foot
Item 129	- Wiremold duct, size 700	@	\$3.34 per foot
Item 130	- Wiremold duct, size 2000	@	\$4.05 per foot
Item 131	- Wiremold duct, size 4000	@	\$5.00 per foot
Item 132	- Surface mount single-gang box	@	\$9.00 per each
Item 133	- 10 Foot Power pole	@	\$125.00 per each
Item 134	- Metal floor duct, surface mounted	@	\$6.95 per foot
Item 135	- Optic fiber, 6 fiber, plenum	@	\$1.57 per foot
Item 136	- Optic fiber, 12 fiber, plenum	@	\$2.31 per foot
Item 137	- Optic fiber, 12 fiber non-plenum	@	\$2.25 per foot
Item 138	- Optic fiber, 24 fiber non-plenum	@	\$3.60 per foot
Item 139	- Optic fiber, 48 fiber non-plenum	@	\$7.62 per foot
Item 140	- 1" fiber innerduct, plenum	@	\$2.87 per foot
Item 141	- 1" fiber innerduct, PVC	@	\$1.33 per foot
Item 142	- Optic interconnect w/12 ST	@	\$300.00 per each
Item 143	- Optic interconnect w/24 ST	@	\$610.00 per each
Item 144	- Optic interconnect w/48 ST	@	\$990.00 per each
Item 145	- Optic patch cable, 6'ST both ends	@	\$18.00 per each
Item 146	- Optic patch cable, 10'ST both ends	@	\$18.50 per each
Item 147	- Optic patch cable, 15'ST both ends	@	\$22.75 per each
Item 148	- Optic patch cable, 20'ST both ends	@	\$27.00 per each
Item 149	- RG-58U Coaxial cable	@	\$0.43 per foot
Item 150	- Balun	@	\$19.00 per each
Item 151	- Cord, 4' cat. 5	@	\$4.50 per each
Item 152	- Cord, 5', cat. 5	@	\$4.70 per each
Item 153	- Cord, 6', cat. 5	@	\$5.10 per each
Item 154	- Cord, 7', cat. 5	@	\$5.25 per each

Item 155	- Patch Cord Organizer	@	\$45.00 per each
Item 156	- Cabinet, 72"H X 28"W X 10"D	@	\$890.00 per each
Item 157	- Rack, 87"H X 24"W X 25"D	@	\$1,650.00 per each
Item 158	- #12 AWG copper green THHN	@	\$0.28 per foot
Item 159	- #12 AWG copper, insulated, THHN	@	\$0.35 per foot
Item 160	- #14 AWG copper, insulated, THHN	@	\$0.32 per foot
Item 161	- 3 pair, #22, solid 1 pr shielded 2 pr	@	\$0.43 per foot
Item 162	- 1 pair #20, solid, shielded	@	\$0.38 per foot
Item 163	- Wire-1 twist shield 2 twist pair #22 AWG	@	\$0.50 per foot
Item 164	- Wire, 2 twist pair, #22 AWG	@	\$0.47 per foot
Item 165	- EDCO COHP - 50 protector	@	\$20.00 per each
Item 166	- Optic Fiber Cable 6 Fiber	@	\$1.65 per each
Item 167	- Optic Fiber Cable 12 Fiber	@	\$2.40 per each
Item 168	- Optic Fiber Cable 24 Fiber	@	\$3.90 per each
Item 169	- Optic Fiber Cable 48 Fiber	@	\$6.00 per each
Item 170	- Cabinet, 72"H X 28"W X 18"D	@	\$850.00 per each
Item 171	- Cabinet, 48"H X 28"W X 18"D	@	\$635.00 per each
Item 172	- Cabinet, 24"H X 28"W X 18"D	@	\$520.00 per each
Item 173	- Installer		
	Regular Time	@	\$26.00 per hour
	Overtime	@	\$39.00 per hour
	Week-ends/Holiday	@	\$52.00 per hour
Item 174	- Technician		
	Regular Time	@	\$26.00 per hour
	Overtime	@	\$39.00 per hour
	Week-ends/Holiday	@	\$52.00 per hour
Item 175	- Engineer		
	Regular Time	@	\$65.00 per hour
	Overtime	@	\$97.50 per hour
	Week-ends/Holiday	@	\$97.50 per hour
Item 176	- Cable Splicer		
	Regular Time	@	\$26.00 per hour
	Overtime	@	\$39.00 per hour
	Week-ends/Holiday	@	\$52.00 per hour
Item 177	- Electrician		
	Regular Time	@	\$50.00 per hour
	Overtime	@	\$70.00 per hour
	Week-ends/Holiday	@	\$85.00 per hour

2. GTE COMMUNICATIONS CORPORATION  
 7701 ANDERSON ROAD  
 TAMPA, FLORIDA 33634

Second Total Low Unit Price Meeting Specifications: All Items

Item 1	- 1/2" GRS Conduit installed	@	\$2.15 per foot
Item 2	- 1/2" IMC Conduit	@	\$4.16 per foot
Item 3	- 1/2" EMT	@	\$1.40 per foot
Item 4	- 3/4" GRS Conduit	@	\$2.45 per foot
Item 5	- 3/4" IMC Conduit	@	\$2.30 per foot
Item 6	- 3/4" EMT	@	\$1.92 per foot
Item 7	- 1" GRS Conduit	@	\$3.22 per foot
Item 8	- 1" IMC	@	\$2.80 per foot
Item 9	- 1" IMT	@	\$1.88 per foot
Item 10	- 1-1/4" GRC Conduit	@	\$3.54 per foot
Item 11	- 1-1/4" IMC Conduit	@	\$3.39 per foot
Item 12	- 1-1/4" EMT Conduit	@	\$2.72 per foot
Item 13	- 1-1/2" GRS Conduit	@	\$3.99 per foot
Item 14	- 1-1/2" IMC	@	\$3.90 per foot
Item 15	- 1-1/2" EMT	@	\$2.05 per foot
Item 16	- 2" GRS Conduit	@	\$5.00 per foot
Item 17	- 2" IMC	@	\$4.60 per foot
Item 18	- 2" EMT	@	\$3.40 per foot
Item 19	- 2-1/2" GRS	@	\$7.09 per foot
Item 20	- 2-1/2" IMC	@	\$5.49 per foot
Item 21	- 2-1/2" EMT	@	\$3.79 per foot
Item 22	- 3" GRS Conduit	@	\$8.44 per foot
Item 23	- 3" IMC Conduit	@	\$6.45 per foot
Item 24	- 3" EMT Conduit	@	\$4.25 per foot
Item 25	- 4" GRS Conduit	@	\$10.74 per foot
Item 26	- 4" IMC Conduit	@	\$8.45 per foot
Item 27	- 4" EMT Conduit	@	\$4.80 per foot
Item 28	- 1" PVC Schedule 40	@	\$2.69 per foot
Item 29	- 2" PVC Schedule 40	@	\$3.81 per foot
Item 30	- 3" PVC Schedule 40	@	\$10.27 per foot
Item 31	- 4" PVC Schedule 40	@	\$12.68 per foot
Item 32	- 24" X 24" X 12" Pullbox	@	\$303.00 per foot
Item 33	- 12" X 12" X 8" Pullbox	@	\$183.00 per foot
Item 34	- 4" X 4" X 2" Pullbox	@	\$115.00 per foot
Item 35	- Trenching, 24"-1" PVC soil	@	\$9.64 per foot
Item 36	- Trenching, 24"-2" PVC soil	@	\$9.79 per foot

Item 37	- Trenching, 24"-3" PVC soil	@	\$10.18 per foot
Item 38	- Trenching, 24"-4" PVC soil	@	\$10.40 per foot
Item 39	- Trenching, 24"-1" asphalt	@	\$19.90 per foot
Item 40	- Trenching, 24"-2" asphalt	@	\$20.04 per foot
Item 41	- Trenching, 24"-3" asphalt	@	\$20.43 per foot
Item 42	- Trenching, 24"-4" asphalt	@	\$20.65 per foot
Item 43	- Trenching, 24"-2" sidewalks	@	\$20.64 per foot
Item 44	- Trenching, 24"-2" sidewalks	@	\$20.79 per foot
Item 45	- Trenching, 24"- 3" sidewalks	@	\$21.18 per foot
Item 46	- Trenching, 24"-4"sidewalks	@	\$21.40 per foot
Item 47	- Core drill, 8" concrete block	@	\$11.25 per inch
Item 48	- Core drill, concrete 4" depth	@	\$16.25 per inch
Item 49	- Fire Stop any hole	@	\$4.00 per inch
Item 50	- Place/add Pull String to conduit	@	\$0.27 per foot
Item 51	- Paint Rigid Conduit that is to be installed underground	@	\$1.20 per foot
Item 52	- Ground Rod Metal, 20 ft.	@	\$65.00 per each
Item 53	- 4' X 8' Backboard	@	\$42.00 per each
Item 54	- 120V Electrical outlet	@	\$1.96 per each
Item 55	- Dual 120V outlet to Quad 120V	@	\$25.00 per each
Item 56	- Protector 189 w/4C1S 100 Pair	@	\$760.00 per each
Item 57	- 4C1S Protector	@	\$13.50 per each
Item 58	- 4 Pr 3 Element gas tube protector	@	\$59.70 per each
Item 59	- 6 Pr 3 Element gas tube protector	@	\$94.00 per each
Item 60	- 25 Pr 3 Element gas tube protector	@	\$175.00 per each
Item 61	- 50 Pr 3 Element gas tube protector	@	\$305.00 per each
Item 62	- EDCO # OPX48 Protector	@	\$175.00 per each
Item 63	- EDCO # OPX200 Protector	@	\$500.00 per each
Item 64	- 300 Pair crossconnect field	@	\$88.00 per each
Item 65	- 100 Pair crossconnect field	@	\$49.00 per each
Item 66	- 50 Pair crossconnect field	@	\$37.00 per each
Item 67	- 25 Pair crossconnect field	@	\$30.00 per each
Item 68	- 66M1-50 Connector Block	@	\$25.75 per each
Item 69	- 89B Stand-off brackets	@	\$1.75 per each
Item 70	- Jack panel, AT&T #104409396	@	\$118.00 per each
Item 71	- Jack panel, AT&T #104409404	@	\$270.00 per each
Item 72	- Jack panel, AT&T #106791536	@	\$55.00 per each
Item 73	- Jack panel, AT&T 110CAT5-24	@	\$125.00 per each
Item 74	- Jack panel, AT&T 110CAT5-32	@	\$195.00 per each
Item 75	- Jack panel, AT&T110CAT5-48	@	\$240.00 per each



Item 76	- Jack panel, AT&T 1100CAT5-64	@	\$350.00 per each
Item 77	- Bracket, Wall 3.5"	@	\$38.00 per each
Item 78	- Bracket, Wall 7"	@	\$56.50 per each
Item 79	- 6 pair jelly-filled, 24 AWG	@	\$1.18 per foot
Item 80	- 25 pair jelly-filled cable, 24 AWG	@	\$1.14 per foot
Item 81	- 50 pair jelly-filled, 24 AWG	@	\$1.47 per foot
Item 82	- 75 pair jelly-filled cable, 24 AWG	@	\$1.77 per foot
Item 83	- 100 pair jelly-filled cable, 24 AWG	@	\$2.18 per foot
Item 84	- 200 pair jelly-filled cable, 24 AWG	@	\$3.75 per foot
Item 85	- 300 pair jelly-filled cable, 24 AWG	@	\$4.75 per foot
Item 86	- 400 pair jelly-filled cable, 24 AWG	@	\$5.92 per foot
Item 87	- 600 pair jelly-filled cable, 24 AWG	@	\$8.36 per foot
Item 88	- 4 pair 24 AWG PVC cable	@	\$0.23 per foot
Item 89	- 25 pair 24 AWG PVC cable	@	\$0.51 per foot
Item 90	- 100 pair 24 AWG PVC cable	@	\$1.77 per foot
Item 91	- 200 pair 24 AWG PVC cable	@	\$3.68 per foot
Item 92	- 300 pair 24 AWG PVC cable	@	\$5.20 per foot
Item 93	- 400 pair 24 AWG PVC cable	@	\$6.30 per foot
Item 94	- 600 pair 24 AWG PVC cable	@	\$8.70 per foot
Item 95	- 4 pair 24 AWG cable, plenum	@	\$0.31 per foot
Item 96	- 25 pair 24 AWG cable, plenum	@	\$0.81 per foot
Item 97	- 50 pair 24 AWG cable, plenum	@	\$1.73 per foot
Item 98	- 100 pair 24 AWG cable, plenum	@	\$2.96 per foot
Item 99	- 4 twisted pair 24AWG plen. cat 5	@	\$0.35 per foot
Item 100	- 4 twisted pair 24AWG PVC cat 5	@	\$0.27 per foot
Item 101	- 4 - 4 pair 24AWG PVC cat 5	@	\$0.96 per foot
Item 102	- 8 - 4 pair 24AWG PVC cat 5	@	\$1.76 per foot
Item 103	- 12 - 4 pair 24AWG PVC cat 5	@	\$2.64 per foot
Item 104	- 16 - 4 pair 24AWG PVC cat 5	@	\$3.20 per foot
Item 105	- 20 - 4 pair 24AWG PVC cat 5	@	\$4.00 per foot
Item 106	- 24 - 4 pair 24AWG PVC cat 5	@	\$4.56 per foot
Item 107	- 28 - 4 pair 24AWG PVC cat 5	@	\$5.32 per foot
Item 108	- 32-4pair 24AWG PVC cat 5	@	\$6.08 per foot
Item 109	- 36 - 4 pair 24AWG PVC cat 5	@	\$6.12 per foot
Item 110	- 40 - 4 pair 24AWG PVC cat 5	@	\$6.70 per foot
Item 111	- 44 - 4 pair 24AWG PVC cat 5	@	\$3.08 per foot
Item 112	- 48 - 4 pair 24AWG PVC cat 5	@	\$8.16 per foot
Item 113	- 4 - 4 pair 24AWG plenum cat 5	@	\$1.28 per foot
Item 114	- 8 - 4 pair 24AWG plenum cat 5	@	\$2.40 per foot
Item 115	- 12 - 4 pair 24AWG plenum cat 5	@	\$3.60 per foot
Item 116	- 16 - 4 pair 24AWG plenum cat 5	@	\$4.48 per foot

Item 117	- 20 - 4 pair 24AWG plenum cat 5	@	\$5.60 per foot
Item 118	- 24 - 4 pair 24AWG plenum cat 5	@	\$6.48 per foot
Item 119	- 28 - 4 pair 24AWG plenum cat 5	@	\$7.56 per foot
Item 120	- 32 - 4 pair 24AWG plenum cat 5	@	\$8.64 per foot
Item 121	- 36 - 4 pair 24AWG plenum cat 5	@	\$9.00 per foot
Item 122	- 40 - 4 pair 24AWG plenum cat 5	@	\$9.90 per foot
Item 123	- 44 - 4 pair 24AWG plenum cat 5	@	\$10.90 per foot
Item 124	- 48 - 4 pair 24AWG plenum cat 5	@	\$12.00 per foot
Item 125	- 8 wire modular station jack	@	\$4.55 per foot
Item 126	- 8 wire modular station jack, cat 5	@	\$7.20 per foot
Item 127	- Faceplate for 2 to 6 modular jacks	@	\$3.50 per foot
Item 128	- Mounting kit for wall phone	@	\$10.50 per foot
Item 129	- Wiremold duct, size 700	@	\$3.75 per foot
Item 130	- Wiremold duct, size 2000	@	\$6.85 per foot
Item 131	- Wiremold duct, size 4000	@	\$11.56 per foot
Item 132	- Surface mount single-gang box	@	\$7.25 per each
Item 133	- 10 Foot Power pole	@	\$169.00 per each
Item 134	- Metal floor duct, surface mounted	@	\$13.30 per foot
Item 135	- Optic fiber, 6 fiber, plenum	@	\$3.11 per foot
Item 136	- Optic fiber, 12 fiber, plenum	@	\$3.85 per foot
Item 137	- Optic fiber, 12 fiber non-plenum	@	\$3.85 per foot
Item 138	- Optic fiber, 24 fiber non-plenum	@	\$4.74 per foot
Item 139	- Optic fiber, 48 fiber non-plenum	@	\$6.80 per foot
Item 140	- 1" fiber innerduct, plenum	@	\$3.55 per foot
Item 141	- 1" fiber innerduct, PVC	@	\$1.17 per foot
Item 142	- Optic interconnect w/12 ST	@	\$315.00 per each
Item 143	- Optic interconnect w/24 ST	@	\$530.00 per each
Item 144	- Optic interconnect w/48 ST	@	\$878.00 per each
Item 145	- Optic patch cable, 6'ST both ends	@	\$35.00 per each
Item 146	- Optic patch cable, 10'ST both ends	@	\$45.00 per each
Item 147	- Optic patch cable, 15'ST both ends	@	\$56.00 per each
Item 148	- Optic patch cable, 20'ST both ends	@	\$56.00 per each
Item 149	- RG-58U Coaxial cable	@	\$0.15 per foot
Item 150	- Balun	@	\$36.50 per each
Item 151	- Cord, 4', cat. 5	@	\$5.55 per each
Item 152	- Cord, 5', cat. 5	@	\$6.30 per each
Item 153	- Cord, 6', cat. 5	@	\$7.10 per each
Item 154	- Cord, 7', cat. 5	@	\$7.90 per each
Item 155	- Patch Cord Organizer	@	\$53.00 per each

Item 156	- Cabinet, 72"H X 28"W X 10"D	@	\$220.00 per each
Item 157	- Rack, 87"H X 24"W X 25"D	@	\$1,440.00 per each
Item 158	- #12 AWG copper green THHN	@	\$0.68 per foot
Item 159	- #12 AWG copper, insulated, THHN	@	\$0.53 per foot
Item 160	- #14 AWG copper, insulated, THHN	@	\$0.48 per foot
Item 161	- 3 pair, #22, solid 1 pr shielded 2 pr	@	\$0.17 per foot
Item 162	- 1 pair #20, solid, shielded	@	\$0.19 per foot
Item 163	- Wire-1 twist shield 2 twist pair #22 AWG	@	\$0.20 per foot
Item 164	- Wire, 2 twist pair, #22 AWG	@	\$0.21 per foot
Item 165	- EDCO COHP - 50 protector	@	\$24.00 per each
Item 166	- Optic Fiber Cable 6 Fiber	@	\$2.76 per each
Item 167	- Optic Fiber Cable 12 Fiber	@	\$3.30 per each
Item 168	- Optic Fiber Cable 24 Fiber	@	\$4.84 per each
Item 169	- Optic Fiber Cable 48 Fiber	@	\$6.80 per each
Item 170	- Cabinet, 72"H X 28"W X 18"D	@	\$971.00 per each
Item 171	- Cabinet, 48"H X 28"W X 18"D	@	\$748.00 per each
Item 172	- Cabinet, 24"H X 28"W X 18"D	@	\$511.00 per each
Item 173	- Installer		
	Regular Time	@	\$36.00 per hour
	Overtime	@	\$54.00 per hour
	Week-ends/Holiday	@	\$54.00 per hour
Item 174	- Technician		
	Regular Time	@	\$40.00 per hour
	Overtime	@	\$60.00 per hour
	Week-ends/Holiday	@	\$60.00 per hour
Item 175	- Engineer		
	Regular Time	@	\$45.00 per hour
	Overtime	@	\$67.50 per hour
	Week-ends/Holiday	@	\$67.50 per hour
Item 176	- Cable Splicer		
	Regular Time	@	\$36.00 per hour
	Overtime	@	\$54.00 per hour
	Week-ends/Holiday	@	\$54.00 per hour
Item 177	- Electrician		
	Regular Time	@	\$40.00 per hour
	Overtime	@	\$60.00 per hour
	Week-ends/Holiday	@	\$60.00 per hour

3. TELECOM ENGINEERING CONSULTANTS, INC.  
 9400 NW 25<sup>TH</sup> STREET  
 MIAMI, FL 33172

Total Low Unit Price Meeting Specifications: All Items

Item	1	- 1/2" GRS Conduit installed	@	\$4.30 per foot
Item	2	- 1/2" IMC Conduit	@	\$3.73 per foot
Item	3	- 1/2" EMT	@	\$3.25 per foot
Item	4	- 3/4" GRS Conduit	@	\$5.10 per foot
Item	5	- 3/4" IMC Conduit	@	\$4.35 per foot
Item	6	- 3/4" EMT	@	\$4.09 per foot
Item	7	- 1" GRS Conduit	@	\$6.54 per foot
Item	8	- 1" IMC	@	\$5.73 per foot
Item	9	- 1" IMT	@	\$5.03 per foot
Item	10	- 1-1/4" GRC Conduit	@	\$7.66 per foot
Item	11	- 1-1/4" IMC Conduit	@	\$6.68 per foot
Item	12	- 1-1/4" EMT Conduit	@	\$5.90 per foot
Item	13	- 1-1/2" GRS Conduit	@	\$8.88 per foot
Item	14	- 1-1/2" IMC	@	\$7.83 per foot
Item	15	- 1-1/2" EMT	@	\$6.59 per foot
Item	16	- 2" GRS Conduit	@	\$11.82 per foot
Item	17	- 2" IMC	@	\$9.60 per foot
Item	18	- 2" EMT	@	\$8.30 per foot
Item	19	- 2-1/2" GRS	@	\$18.36 per foot
Item	20	- 2-1/2" IMC	@	\$15.62 per foot
Item	21	- 2-1/2" EMT	@	\$13.87 per foot
Item	22	- 3" GRS Conduit	@	\$24.39 per foot
Item	23	- 3" IMC Conduit	@	\$20.58 per foot
Item	24	- 3" EMT Conduit	@	\$17.80 per foot
Item	25	- 4" GRS Conduit	@	\$34.25 per foot
Item	26	- 4" IMC Conduit	@	\$29.62 per foot
Item	27	- 4" EMT Conduit	@	\$25.20 per foot
Item	28	- 1" PVC Schedule 40	@	\$1.38 per foot
Item	29	- 2" PVC Schedule 40	@	\$2.93 per foot
Item	30	- 3" PVC Schedule 40	@	\$4.30 per foot
Item	31	- 4" PVC Schedule 40	@	\$4.80 per foot
Item	32	- 24" X 24" X 12" Pullbox	@	\$126.04 per foot
Item	33	- 12" X 12" X 8" Pullbox	@	\$80.21 per foot
Item	34	- 4" X 4" X 2" Pullbox	@	\$11.88 per foot
Item	35	- Trenching, 24"-1" PVC soil	@	\$9.00 per foot
Item	36	- Trenching, 24"-2" PVC soil	@	\$9.75 per foot

Item 37	- Trenching, 24"-3" PVC soil	@	\$10.00 per foot
Item 38	- Trenching, 24"-4" PVC soil	@	\$10.00 per foot
Item 39	- Trenching, 24"-1" asphalt	@	\$15.00 per foot
Item 40	- Trenching, 24"-2" asphalt	@	\$15.70 per foot
Item 41	- Trenching, 24"-3" asphalt	@	\$16.35 per foot
Item 42	- Trenching, 24"-4" asphalt	@	\$16.35 per foot
Item 43	- Trenching, 24"-2" sidewalks	@	\$26.00 per foot
Item 44	- Trenching, 24"-2" sidewalks	@	\$26.00 per foot
Item 45	- Trenching, 24"- 3" sidewalks	@	\$27.00 per foot
Item 46	- Trenching, 24"-4" sidewalks	@	\$27.00 per foot
Item 47	- Core drill, 8" concrete block	@	\$26.00 per inch
Item 48	- Core drill, concrete 4" depth	@	\$35.00 per inch
Item 49	- Fire Stop any hole	@	\$8.00 per inch
Item 50	- Place/add Pull String to conduit	@	\$0.17 per foot
Item 51	- Paint Rigid Conduit that is to be installed underground	@	\$1.50 per foot
Item 52	- Ground Rod Metal, 20 ft.	@	\$72.00 per each
Item 53	- 4' X 8' Backboard	@	\$77.00 per each
Item 54	- 120V Electrical outlet	@	\$6.50 per each
Item 55	- Dual 120V outlet to Quad 120V	@	\$24.70 per each
Item 56	- Protector 189 w/4C1S 100 Pair	@	\$861.00 per each
Item 57	- 4C1S Protector	@	\$4.90 per each
Item 58	- 4 Pr 3 Element gas tube protector	@	\$85.00 per each
Item 59	- 6 Pr 3 Element gas tube protector	@	\$90.00 per each
Item 60	- 25 Pr 3 Element gas tube protector	@	\$195.00 per each
Item 61	- 50 Pr 3 Element gas tube protector	@	\$390.00 per each
Item 62	- EDCO # OPX48 Protector	@	\$13.40 per each
Item 63	- EDCO # OPX200 Protector	@	\$10.50 per each
Item 64	- 300 Pair crossconnect field	@	\$42.00 per each
Item 65	- 100 Pair crossconnect field	@	\$25.50 per each
Item 66	- 50 Pair crossconnect field	@	\$23.62 per each
Item 67	- 25 Pair crossconnect field	@	\$16.81 per each
Item 68	- 66M1-50 Connector Block	@	\$6.16 per each
Item 69	- 89B Stand-off brackets	@	\$5.65 per each
Item 70	- Jack panel, AT&T #104409396	@	\$88.55 per each
Item 71	- Jack panel, AT&T #104409404	@	\$241.00 per each
Item 72	- Jack panel, AT&T #106791536	@	\$48.00 per each
Item 73	- Jack panel, AT&T 110CAT5-24	@	\$104.00 per each
Item 74	- Jack panel, AT&T 110CAT5-32	@	\$176.00 per each
Item 75	- Jack panel, AT&T110CAT5-48	@	\$175.00 per each

Item 76	- Jack panel, AT&T 1100CAT5-64	@	\$337.00 per each
Item 77	- Bracket, Wall 3.5"	@	\$47.00 per each
Item 78	- Bracket, Wall 7"	@	\$50.50 per each
Item 79	- 6 pair jelly-filled, 24 AWG	@	\$1.00 per foot
Item 80	- 25 pair jelly-filled cable, 24 AWG	@	\$1.41 per foot
Item 81	- 50 pair jelly-filled, 24 AWG	@	\$1.53 per foot
Item 82	- 75 pair jelly-filled cable, 24 AWG	@	\$1.80 per foot
Item 83	- 100 pair jelly-filled cable, 24 AWG	@	\$2.30 per foot
Item 84	- 200 pair jelly-filled cable, 24 AWG	@	\$3.86 per foot
Item 85	- 300 pair jelly-filled cable, 24 AWG	@	\$5.80 per foot
Item 86	- 400 pair jelly-filled cable, 24 AWG	@	\$9.24 per foot
Item 87	- 600 pair jelly-filled cable, 24 AWG	@	\$12.01 per foot
Item 88	- 4 pair 24 AWG PVC cable	@	\$0.27 per foot
Item 89	- 25 pair 24 AWG PVC cable	@	\$0.89 per foot
Item 90	- 100 pair 24 AWG PVC cable	@	\$2.40 per foot
Item 91	- 200 pair 24 AWG PVC cable	@	\$4.27 per foot
Item 92	- 300 pair 24 AWG PVC cable	@	\$5.17 per foot
Item 93	- 400 pair 24 AWG PVC cable	@	\$6.66 per foot
Item 94	- 600 pair 24 AWG PVC cable	@	\$10.48 per foot
Item 95	- 4 pair 24 AWG cable, plenum	@	\$0.33 per foot
Item 96	- 25 pair 24 AWG cable, plenum	@	\$0.97 per foot
Item 97	- 50 pair 24 AWG cable, plenum	@	\$1.80 per foot
Item 98	- 100 pair 24 AWG cable, plenum	@	\$3.77 per foot
Item 99	- 4 twisted pair 24AWG plen. cat 5	@	\$0.44 per foot
Item 100	- 4 twisted pair 24AWG PVC cat 5	@	\$0.32 per foot
Item 101	- 4 - 4 pair 24AWG PVC cat 5	@	\$1.28 per foot
Item 102	- 8 - 4 pair 24AWG PVC cat 5	@	\$2.56 per foot
Item 103	- 12 - 4 pair 24AWG PVC cat 5	@	\$3.84 per foot
Item 104	- 16 - 4 pair 24AWG PVC cat 5	@	\$5.12 per foot
Item 105	- 20 - 4 pair 24AWG PVC cat 5	@	\$6.40 per foot
Item 106	- 24 - 4 pair 24AWG PVC cat 5	@	\$7.68 per foot
Item 107	- 28 - 4 pair 24AWG PVC cat 5	@	\$8.96 per foot
Item 108	- 32-4pair 24AWG PVC cat 5	@	\$10.24 per foot
Item 109	- 36 - 4 pair 24AWG PVC cat 5	@	\$11.52 per foot
Item 110	- 40 - 4 pair 24AWG PVC cat 5	@	\$12.80 per foot
Item 111	- 44 - 4 pair 24AWG PVC cat 5	@	\$14.08 per foot
Item 112	- 48 - 4 pair 24AWG PVC cat 5	@	\$15.36 per foot
Item 113	- 4 - 4 pair 24AWG plenum cat 5	@	\$1.76 per foot
Item 114	- 8 - 4 pair 24AWG plenum cat 5	@	\$3.52 per foot
Item 115	- 12 - 4 pair 24AWG plenum cat 5	@	\$5.28 per foot
Item 116	- 16 - 4 pair 24AWG plenum cat 5	@	\$7.04 per foot

Item 117	- 20 - 4 pair 24AWG plenum cat 5	@	\$8.80 per foot
Item 118	- 24 - 4 pair 24AWG plenum cat 5	@	\$10.56 per foot
Item 119	- 28 - 4 pair 24AWG plenum cat 5	@	\$12.32 per foot
Item 120	- 32 - 4 pair 24AWG plenum cat 5	@	\$14.08 per foot
Item 121	- 36 - 4 pair 24AWG plenum cat 5	@	\$15.84 per foot
Item 122	- 40 - 4 pair 24AWG plenum cat 5	@	\$17.60 per foot
Item 123	- 44 - 4 pair 24AWG plenum cat 5	@	\$17.60 per foot
Item 124	- 48 - 4 pair 24AWG plenum cat 5	@	\$19.20 per foot
Item 125	- 8 wire modular station jack	@	\$4.25 per foot
Item 126	- 8 wire modular station jack, cat 5	@	\$4.38 per foot
Item 127	- Faceplate for 2 to 6 modular jacks	@	\$2.31 per foot
Item 128	- Mounting kit for wall phone	@	\$15.36 per foot
Item 129	- Wiremold duct, size 700	@	\$3.35 per foot
Item 130	- Wiremold duct, size 2000	@	\$4.12 per foot
Item 131	- Wiremold duct, size 4000	@	\$7.30 per foot
Item 132	- Surface mount single-gang box	@	\$8.66 per each
Item 133	- 10 Foot Power pole	@	\$113.00 per each
Item 134	- Metal floor duct, surface mounted	@	\$7.57 per foot
Item 135	- Optic fiber, 6 fiber, plenum	@	\$1.59 per foot
Item 136	- Optic fiber, 12 fiber, plenum	@	\$2.34 per foot
Item 137	- Optic fiber, 12 fiber non-plenum	@	\$2.20 per foot
Item 138	- Optic fiber, 24 fiber non-plenum	@	\$4.46 per foot
Item 139	- Optic fiber, 48 fiber non-plenum	@	\$7.63 per foot
Item 140	- 1" fiber innerduct, plenum	@	\$3.28 per foot
Item 141	- 1" fiber innerduct, PVC	@	\$1.43 per foot
Item 142	- Optic interconnect w/12 ST	@	\$163.00 per each
Item 143	- Optic interconnect w/24 ST	@	\$279.00 per each
Item 144	- Optic interconnect w/48 ST	@	\$507.00 per each
Item 145	- Optic patch cable, 6'ST both ends	@	\$15.08 per each
Item 146	- Optic patch cable, 10'ST both ends	@	\$16.04 per each
Item 147	- Optic patch cable, 15'ST both ends	@	\$18.25 per each
Item 148	- Optic patch cable, 20'ST both ends	@	\$21.44 per each
Item 149	- RG-58U Coaxial cable	@	\$0.44 per foot
Item 150	- Balun	@	\$17.40 per each
Item 151	- Cord, 4' cat. 5	@	\$4.60 per each
Item 152	- Cord, 5', cat. 5	@	\$4.90 per each
Item 153	- Cord, 6', cat. 5	@	\$5.20 per each
Item 154	- Cord, 7', cat. 5	@	\$5.50 per each
Item 155	- Patch Cord Organizer	@	\$47.00 per each

Item 156	- Cabinet, 72"H X 28"W X 10"D	@	\$933.00 per each
Item 157	- Rack, 87"H X 24"W X 25"D	@	\$1,660.00 per each
Item 158	- #12 AWG copper green THHN	@	\$0.26 per foot
Item 159	- #12 AWG copper, insulated, THHN	@	\$0.26 per foot
Item 160	- #14 AWG copper, insulated, THHN	@	\$0.25 per foot
Item 161	- 3 pair, #22, solid 1 pr shielded 2 pr	@	\$0.48 per foot
Item 162	- 1 pair #20, solid, shielded	@	\$0.37 per foot
Item 163	- Wire-1 twist shield 2 twist pair #22 AWG	@	\$0.45 per foot
Item 164	- Wire, 2 twist pair, #22 AWG	@	\$0.51 per foot
Item 165	- EDCO COHP - 50 protector	@	\$20.75 per each
Item 166	- Optic Fiber Cable 6 Fiber	@	\$1.69 per each
Item 167	- Optic Fiber Cable 12 Fiber	@	\$2.41 per each
Item 168	- Optic Fiber Cable 24 Fiber	@	\$4.14 per each
Item 169	- Optic Fiber Cable 48 Fiber	@	\$6.11 per each
Item 170	- Cabinet, 72"H X 28"W X 18"D	@	\$1,021.00 per each
Item 171	- Cabinet, 48"H X 28"W X 18"D	@	\$593.00 per each
Item 172	- Cabinet, 24"H X 28"W X 18"D	@	\$472.00 per each
Item 173	- Installer		
	Regular Time	@	\$28.00 per hour
	Overtime	@	\$39.00 per hour
	Week-ends/Holiday	@	\$49.00 per hour
Item 174	- Technician		
	Regular Time	@	\$35.00 per hour
	Overtime	@	\$50.00 per hour
	Week-ends/Holiday	@	\$60.00 per hour
Item 175	- Engineer		
	Regular Time	@	\$55.00 per hour
	Overtime	@	\$78.00 per hour
	Week-ends/Holiday	@	\$84.00 per hour
Item 176	- Cable Splicer		
	Regular Time	@	\$45.00 per hour
	Overtime	@	\$63.00 per hour
	Week-ends/Holiday	@	\$81.00 per hour
Item 177	- Electrician		
	Regular Time	@	\$45.00 per hour
	Overtime	@	\$63.00 per hour
	Week-ends/Holiday	@	\$81.00 per hour



4. Authorize the Bureau of Procurement and Materials Management to purchase up to the total estimated amount of \$5,931,013. The award shall be subject to the resolution of bid protests, if any.

RHH/mpj