

Financial Affairs
Richard H. Hinds, Chief Financial Officer

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

The purpose of this bid, opened on January 12, 1999, was 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. The terms of agreement, as contained in the subject bid, awarded by the Board on February 10, 1999, provided, that by mutual agreement between the successful vendors and The School Board of Miami-Dade County, Florida, the contract may be renewed for one (1) additional two (2) year period. The contract is currently in its initial two (2) year period. The awardees have agreed to renew for the final two (2) year renewal period, by letter, on file. It is considered to be in the best interest of the Board to renew this bid, for an additional two (2) year period, at the current prices, to benefit from fixed prices during the next twelve (12) months, inasmuch as the Consumer Price Index (CPI), as of July 2000, indicated an increase of 3.5%.

Fund Source
Various

M/WBE Eligibility
None

RECOMMENDED: That The School Board of Miami-Dade County, Florida, **RENEW** 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, 2001, through March 31, 2003, as follows:

1. ELECTRIC POWER & SERVICE OF DADE COUNTY, INC.
2125 BISCAYNE BOULEVARD, SUITE 302
MIAMI, FL 33137
OWNER: CLIFTON VAUGHN, PRESIDENT

Third Total Low Unit Price Meeting Specifications:
All Items.

- Item 1 - 1/2" GRS Conduit @ \$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 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 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 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 @ \$.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 per foot.
- Item 33 - 12" x 12" x 8" Pullbox @ \$81 per foot.
- Item 34 - 4" x 4" x 2" Pullbox @ \$13 per foot.
- Item 35 - Trenching, 24"-1" PVC soil @ \$6.80 per foot.

- Item 36 - Trenching, 24"-2" PVC soil @ \$8 per foot.
- Item 37 - Trenching, 24"-3" PVC soil @ \$8 per foot.
- Item 38 - Trenching, 24"-4" PVC soil @ \$9 per foot.
- Item 39 - Trenching, 24"-1" asphalt @ \$12 per foot.
- Item 40 - Trenching, 24"-2" asphalt @ \$13.50 per foot.
- Item 41 - Trenching, 24"-3" asphalt @ \$14 per foot.
- Item 42 - Trenching, 24"-4" asphalt @ \$14.50 per foot.
- Item 43 - Trenching, 24"-2" sidewalk @ \$17 per foot.
- Item 44 - Trenching, 24"-2" sidewalk @ \$17 per foot.
- Item 45 - Trenching, 24"-3" sidewalk @ \$18.50 per foot.
- Item 46 - Trenching, 24"-4" sidewalk @ \$19.50 per foot.
- Item 47 - Core drill, 8" concrete block @ \$13 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 each.
- Item 53 - 4' x 8' Backboard @ \$76 each.
- Item 54 - 120V Electrical outlet @ \$6 each.
- Item 55 - Dual 120V outlet to Quad 120V @ \$28 each.
- Item 56 - Protector 189 w/4C1S 100 Pair @ \$770 each.
- Item 57 - 4C1S Protector @ \$3.50 each.
- Item 58 - 4 Pr 3 Element gas tube protector @ \$60 each.
- Item 59 - 6 Pr 3 Element gas tube protector @ \$65 each.
- Item 60 - 25 Pr 3 Element gas tube protector @ \$224 each.
- Item 61 - 50 Pr 3 Element gas tube protector @ \$280 each.
- Item 62 - EDCO # OPX48 Protector @ \$13 each.
- Item 63 - EDCO # OPX200 Protector @ \$10.70 each.
- Item 64 - 300 Pair crossconnect field @ \$38 each.
- Item 65 - 100 Pair crossconnect field @ \$24.70 each.
- Item 66 - 50 Pair crossconnect field @ \$12.20 each.
- Item 67 - 25 Pair crossconnect field @ \$14.35 each.

- Item 68 - 66M1-50 Connector Block @ \$4.65 each.
- Item 69 - 89B Stand-off brackets @ \$4.90 each.
- Item 70 - Jack panel, AT&T #104409396 @ \$89.35 each.
- Item 71 - Jack panel, AT&T #104409404 @ \$227.15 each.
- Item 72 - Jack panel, AT&T #106791536 @ \$29.85 each.
- Item 73 - Jack panel, AT&T 110CAT5-24 @ \$115.25 each.
- Item 74 - Jack panel, AT&T 110CAT5-32 @ \$149 each.
- Item 75 - Jack panel, AT&T110CAT5-48 @ \$167.55 each.
- Item 76 - Jack panel, AT&T 1100CAT5-64 @ \$255.80 each.
- Item 77 - Bracket, Wall 3.5" @ \$36 each.
- Item 78 - Bracket, Wall 7" @ \$47.65 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 @ \$.36 per foot.
- Item 89 - 25 pair 24 AWG PVC cable @ \$.72 per foot.
- Item 90 - 100 pair 24 AWG PVC cable @ \$2.17 per foot.
- Item 91 - 200 pair 24 AWG PVC cable @ \$4 per foot.
- Item 92 - 300 pair 24 AWG PVC cable @ \$5 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 plenum 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 - 4 pair 24AWG PVC cat 5 @ \$10.88 per foot.
- Item 109 - 36 - 4 pair 24AWG PVC cat 5 @ \$10 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 per foot.
- Item 112 - 48 - 4 pair 24AWG PVC cat 5 @ \$13 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 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 per foot.
- Item 132 - Surface mount single-gang box @ \$9 each.
- Item 133 - 10 Foot Power pole @ \$125 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 each.
- Item 143 - Optic interconnect w/24 ST @ \$610 each.
- Item 144 - Optic interconnect w/48 ST @ \$990 each.
- Item 145 - Optic patch cable, 6'ST both ends @ \$18 each.
- Item 146 - Optic patch cable, 10'ST both ends @ \$18.50 each.
- Item 147 - Optic patch cable, 15'ST both ends @ \$22.75 each.
- Item 148 - Optic patch cable, 20'ST both ends @ \$27 each.
- Item 149 - RG-58U Coaxial cable @ \$0.43 per foot.
- Item 150 - Balun @ \$19 each.
- Item 151 - Cord, 4', cat 5 @ \$4.50 each.
- Item 152 - Cord, 5', cat 5 @ \$4.70 each.
- Item 153 - Cord, 6', cat 5 @ \$5.10 each.
- Item 154 - Cord, 7', cat 5 @ \$5.25 each.
- Item 155 - Patch Cord Organizer @ \$45 each.
- Item 156 - Cabinet, 72"H x 28"W x 10"D @ \$890 each.
- Item 157 - Rack, 87"H x 24"W x 25"D @ \$1,650 each.
- Item 158 - #12 AWG copper green THHN @ \$.28 per foot.
- Item 159 - #12 AWG copper, insulated, THHN @ \$.35 per foot.
- Item 160 - #14 AWG copper, insulated, THHN @ \$.32 per foot.
- Item 161 - 3 pair #22, solid, 1 pr shielded, 2 pr unshielded @ \$.43 per foot.
- Item 162 - 1 pair #20, solid, shielded @ \$.38 per foot.
- Item 163 - Wire, 1 twisted shielded pair and 2 twisted pair, #22 pair @ \$.50 per foot.
- Item 164 - Wire, 2 twisted pair, #22 AWG with overall shield @ \$.47 per foot.
- Item 165 - EDCO COHP - 50 protector @ \$20 each.
- Item 166 - Optic Fiber Cable 6 Fiber @ \$1.65 each.
- Item 167 - Optic Fiber Cable 12 Fiber @ \$2.40 each.
- Item 168 - Optic Fiber Cable 24 Fiber @ \$3.90 each.
- Item 169 - Optic Fiber Cable 48 Fiber @ \$6 each.
- Item 170 - Cabinet, 72"H x 28"W x 18"D @ \$850 each.

- Item 171 - Cabinet, 48"H x 28"W x 18"D @ \$635 each.
- Item 172 - Cabinet, 24"H x 28"W x 18"D @ \$520 each.
- Item 173 - Installer
 - Regular Time @ \$26 per hour.
 - Overtime @ \$39 per hour.
 - Weekend/Holiday @ \$52 per hour.
- Item 174 - Technician
 - Regular Time @ \$26 per hour.
 - Overtime @ \$39 per hour.
 - Weekend/Holiday @ \$52 per hour.
- Item 175 - Engineer
 - Regular Time @ \$65 per hour.
 - Overtime @ \$97.50 per hour.
 - Weekend/Holiday @ \$97.50 per hour.
- Item 176 - Cable Splicer
 - Regular Time @ \$26 per hour.
 - Overtime @ \$39 per hour.
 - Weekend/Holiday @ \$52 per hour.
- Item 177 - Electrician
 - Regular Time @ \$50 per hour.
 - Overtime @ \$70 per hour.
 - Weekend/Holiday @ \$85 per hour.

2. VERIZON SELECT SERVICES, INC.
 (FORMERLY GTE COMMUNICATIONS CORPORATION)
 7701 ANDERSON ROAD
 TAMPA, FLORIDA 33634
 OWNERS: CHARLES LEE, C.E.O.
 IVAN SEIDENBERG, C.E.O.

Second Total Low Unit Price Meeting Specifications: All Items.

- Item 1 - 1/2" GRS Conduit @ \$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 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 per foot.
- Item 33 - 12" x 12" x 8" Pullbox @ \$183 per foot.
- Item 34 - 4" x 4" x 2" Pullbox @ \$115 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" sidewalk @ \$20.64 per foot.
- Item 44 - Trenching, 24"-2" sidewalk @ \$20.79 per foot.
- Item 45 - Trenching, 24"-3" sidewalk @ \$21.18 per foot.
- Item 46 - Trenching, 24"-4" sidewalk @ \$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 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 each.
- Item 53 - 4' x 8' Backboard @ \$42 each.
- Item 54 - 120V Electrical outlet @ \$1.96 each.
- Item 55 - Dual 120V outlet to Quad 120V @ \$25 each.
- Item 56 - Protector 189 w/4C1S 100 Pair @ \$760 each.
- Item 57 - 4C1S Protector @ \$13.50 each.
- Item 58 - 4 Pr 3 Element gas tube protector @ \$59.70 each.
- Item 59 - 6 Pr 3 Element gas tube protector @ \$94 each.
- Item 60 - 25 Pr 3 Element gas tube protector @ \$175 each.
- Item 61 - 50 Pr 3 Element gas tube protector @ \$305 each.
- Item 62 - EDCO # OPX48 Protector @ \$175 each.
- Item 63 - EDCO # OPX200 Protector @ \$500 each.
- Item 64 - 300 Pair crossconnect field @ \$88 each.
- Item 65 - 100 Pair crossconnect field @ \$49 each.
- Item 66 - 50 Pair crossconnect field @ \$37 each.
- Item 67 - 25 Pair crossconnect field @ \$30 each.
- Item 68 - 66M1-50 Connector Block @ \$25.75 each.
- Item 69 - 89B Stand-off brackets @ \$1.75 each.
- Item 70 - Jack panel, AT&T #104409396 @ \$118 each.
- Item 71 - Jack panel, AT&T #104409404 @ \$270 each.
- Item 72 - Jack panel, AT&T #106791536 @ \$55 each.
- Item 73 - Jack panel, AT&T 110CAT5-24 @ \$125 each.
- Item 74 - Jack panel, AT&T 110CAT5-32 @ \$195 each.
- Item 75 - Jack panel, AT&T110CAT5-48 @ \$240 each.

- Item 76 - Jack panel, AT&T 1100CAT5-64 @ \$350 each.
- Item 77 - Bracket, Wall 3.5" @ \$38 each.
- Item 78 - Bracket, Wall 7" @ \$56.50 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 @ \$.23 per foot.
- Item 89 - 25 pair 24 AWG PVC cable @ \$.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 @ \$.31 per foot.
- Item 96 - 25 pair 24 AWG cable, plenum @ \$.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 plenum cat 5 @ \$.35 per foot.

- Item 100 - 4 twisted pair 24AWG PVC cat 5 @ \$.27 per foot.
- Item 101 - 4 - 4 pair 24AWG PVC cat 5 @ \$.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 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 - 4 pair 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 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 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 each.
- Item 133 - 10 Foot Power pole @ \$169 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 each.
- Item 143 - Optic interconnect w/24 ST @ \$530 each.
- Item 144 - Optic interconnect w/48 ST @ \$878 each.
- Item 145 - Optic patch cable, 6'ST both ends @ \$35 each.
- Item 146 - Optic patch cable, 10'ST both ends @ \$45 each.
- Item 147 - Optic patch cable, 15'ST both ends @ \$56 each.

- Item 148 - Optic patch cable, 20'ST both ends @ \$56 each.
- Item 149 - RG-58U Coaxial cable @ \$.15 per foot.
- Item 150 - Balun @ \$36.50 each.
- Item 151 - Cord, 4', cat 5 @ \$5.55 each.
- Item 152 - Cord, 5', cat 5 @ \$6.30 each.
- Item 153 - Cord, 6', cat 5 @ \$7.10 each.
- Item 154 - Cord, 7', cat 5 @ \$7.90 each.
- Item 155 - Patch Cord Organizer @ \$53 each.
- Item 156 - Cabinet, 72"H x 28"W x 10"D @ \$220 each.
- Item 157 - Rack, 87"H x 24"W x 25"D @ \$1,440 each.
- Item 158 - #12 AWG copper, green, THHN @ \$.68 per foot.
- Item 159 - #12 AWG copper, insulated, THHN @ \$.53 per foot.
- Item 160 - #14 AWG copper, insulated, THHN @ \$.48 per foot.
- Item 161 - 3 pair, #22, solid, 1 pr shielded, 2 pr unshielded, @ \$.17 per foot.
- Item 162 - 1 pair, #20, solid, shielded @ \$.19 per foot.
- Item 163 - Wire, 1 twisted shielded pair and 2 twisted pair, #22 pair @ \$.20 per foot.
- Item 164 - Wire, 2 twisted pair, #22 AWG with overall shield @ \$.21 per foot.
- Item 165 - EDCO COHP - 50 protector @ \$24 each.
- Item 166 - Optic Fiber Cable 6 Fiber @ \$2.76 each.
- Item 167 - Optic Fiber Cable 12 Fiber @ \$3.30 each.
- Item 168 - Optic Fiber Cable 24 Fiber @ \$4.84 each.
- Item 169 - Optic Fiber Cable 48 Fiber @ \$6.80 each.
- Item 170 - Cabinet, 72"H x 28"W x 18"D @ \$971 each.
- Item 171 - Cabinet, 48"H x 28"W x 18"D @ \$748 each.
- Item 172 - Cabinet, 24"H x 28"W x 18"D @ \$511 each.
- Item 173 - Installer
 - Regular Time @ \$36 per hour.
 - Overtime @ \$54 per hour.
 - Weekend/Holiday @ \$54 per hour.
- Item 174 - Technician
 - Regular Time @ \$40 per hour.
 - Overtime @ \$60 per hour.
 - Weekend/Holiday @ \$60 per hour.

- Item 175 - Engineer
 - Regular Time @ \$45 per hour.
 - Overtime @ \$67.50 per hour.
 - Weekend/Holiday @ \$67.50 per hour.
- Item 176 - Cable Splicer
 - Regular Time @ \$36 per hour.
 - Overtime @ \$54 per hour.
 - Weekend/Holiday @ \$54 per hour.
- Item 177 - Electrician
 - Regular Time @ \$40 per hour.
 - Overtime @ \$60 per hour.
 - Weekend/Holiday @ \$60 per hour.

3. TELECOM ENGINEERING CONSULTANTS, INC.
 9400 N.W. 25 STREET
 MIAMI, FL 33172
 OWNER: VALENTINE SELLATI, SR., C.O.B.

Total Low Unit Price Meeting Specifications: All Items.

- Item 1 - 1/2" GRS Conduit @ \$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 per foot.
- Item 36 - Trenching, 24"-2" PVC soil @ \$9.75 per foot.
- Item 37 - Trenching, 24"-3" PVC soil @ \$10 per foot.
- Item 38 - Trenching, 24"-4" PVC soil @ \$10 per foot.
- Item 39 - Trenching, 24"-1" asphalt @ \$15 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" sidewalk @ \$26 per foot.
- Item 44 - Trenching, 24"-2" sidewalk @ \$26 per foot.
- Item 45 - Trenching, 24"-3" sidewalk @ \$27 per foot.
- Item 46 - Trenching, 24"-4" sidewalk @ \$27 per foot.
- Item 47 - Core drill, 8" concrete block @ \$26 per inch.
- Item 48 - Core drill, concrete 4" depth @ \$35 per inch.
- Item 49 - Fire Stop any hole @ \$8 per inch.
- Item 50 - Place/add Pull String to conduit @ \$.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 each.
- Item 53 - 4' x 8' Backboard @ \$77 each.
- Item 54 - 120V Electrical outlet @ \$6.50 each.
- Item 55 - Dual 120V outlet to Quad 120V @ \$24.70 each.
- Item 56 - Protector 189 w/4C1S 100 Pair @ \$861 each.
- Item 57 - 4C1S Protector @ \$4.90 each.
- Item 58 - 4 Pr 3 Element gas tube protector @ \$85 each.
- Item 59 - 6 Pr 3 Element gas tube protector @ \$90 each.

- Item 60 - 25 Pr 3 Element gas tube protector @ \$195 each.
- Item 61 - 50 Pr 3 Element gas tube protector @ \$390 each.
- Item 62 - EDCO # OPX48 Protector @ \$13.40 each.
- Item 63 - EDCO # OPX200 Protector @ \$10.50 each.
- Item 64 - 300 Pair crossconnect field @ \$42 each.
- Item 65 - 100 Pair crossconnect field @ \$25.50 each.
- Item 66 - 50 Pair crossconnect field @ \$23.62 each.
- Item 67 - 25 Pair crossconnect field @ \$16.81 each.
- Item 68 - 66M1-50 Connector Block @ \$6.16 each.
- Item 69 - 89B Stand-off brackets @ \$5.65 each.
- Item 70 - Jack panel, AT&T #104409396 @ \$88.55 each.
- Item 71 - Jack panel, AT&T #104409404 @ \$241 each.
- Item 72 - Jack panel, AT&T #106791536 @ \$48 each.
- Item 73 - Jack panel, AT&T 110CAT5-24 @ \$104 each.
- Item 74 - Jack panel, AT&T 110CAT5-32 @ \$176 each.
- Item 75 - Jack panel, AT&T 110CAT5-48 @ \$175 each.
- Item 76 - Jack panel, AT&T 110CAT5-64 @ \$337 each.
- Item 77 - Bracket, Wall 3.5" @ \$47 each.
- Item 78 - Bracket, Wall 7" @ \$50.50 each.
- Item 79 - 6 pair jelly-filled, 24 AWG @ \$1 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 @ \$.27 per foot.
- Item 89 - 25 pair 24 AWG PVC cable @ \$.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 @ \$.33 per foot.
- Item 96 - 25 pair 24 AWG cable, plenum @ \$.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 plenum cat 5 @ \$0.44 per foot.
- Item 100 - 4 twisted pair 24AWG PVC cat 5 @ \$.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 - 4 pair 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 each.

- Item 133 - 10 Foot Power pole @ \$113 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 each.
- Item 143 - Optic interconnect w/24 ST @ \$279 each.
- Item 144 - Optic interconnect w/48 ST @ \$507 each.
- Item 145 - Optic patch cable, 6'ST both ends @ \$15.08 each.
- Item 146 - Optic patch cable, 10'ST both ends @ \$16.04 each.
- Item 147 - Optic patch cable, 15'ST both ends @ \$18.25 each.
- Item 148 - Optic patch cable, 20'ST both ends @ \$21.44 each.
- Item 149 - RG-58U Coaxial cable @ \$.44 per foot.
- Item 150 - Balun @ \$17.40 each.
- Item 151 - Cord, 4', cat 5 @ \$4.60 each.
- Item 152 - Cord, 5', cat 5 @ \$4.90 each.
- Item 153 - Cord, 6', cat 5 @ \$5.20 each.
- Item 154 - Cord, 7', cat 5 @ \$5.50 each.
- Item 155 - Patch Cord Organizer @ \$47 each.
- Item 156 - Cabinet, 72"H x 28"W x 10"D @ \$933 each.
- Item 157 - Rack, 87"H x 24"W x 25"D @ \$1,660 each.
- Item 158 - #12 AWG copper, green, THHN @ \$.26 per foot.
- Item 159 - #12 AWG copper, insulated, THHN @ \$.26 per foot.
- Item 160 - #14 AWG copper, insulated, THHN @ \$.25 per foot.
- Item 161 - 3 pair #22, solid, 1 pr shielded, 2 pr unshielded @ \$.48 per foot.

- Item 162 - 1 pair #20, solid, shielded @ \$.37 per foot.
- Item 163 - Wire, 1 twisted shielded pair and 2 twisted pair, #22 pair @ \$.45 per foot.
- Item 164 - Wire, 2 twisted pair, #22 AWG with overall shield @ \$.51 per foot.
- Item 165 - EDCO COHP - 50 protector @ \$20.75 each.
- Item 166 - Optic Fiber Cable 6 Fiber @ \$1.69 each.
- Item 167 - Optic Fiber Cable 12 Fiber @ \$2.41 each.
- Item 168 - Optic Fiber Cable 24 Fiber @ \$4.14 each.
- Item 169 - Optic Fiber Cable 48 Fiber @ \$6.11 each.
- Item 170 - Cabinet, 72"H x 28"W x 18"D @ \$1,021 each.
- Item 171 - Cabinet, 48"H x 28"W x 18"D @ \$593 each.
- Item 172 - Cabinet, 24"H x 28"W x 18"D @ \$472 each.
- Item 173 - Installer
 - Regular Time @ \$28 per hour.
 - Overtime @ \$39 per hour.
 - Weekend/Holiday @ \$49 per hour.
- Item 174 - Technician
 - Regular Time @ \$35 per hour.
 - Overtime @ \$50 per hour.
 - Weekend/Holiday @ \$60 per hour.
- Item 175 - Engineer
 - Regular Time @ \$55 per hour.
 - Overtime @ \$78 per hour.
 - Weekend/Holiday @ \$84 per hour.
- Item 176 - Cable Splicer
 - Regular Time @ \$45 per hour.
 - Overtime @ \$63 per hour.
 - Weekend/Holiday @ \$81 per hour.
- Item 177 - Electrician
 - Regular Time @ \$45 per hour.
 - Overtime @ \$63 per hour.
 - Weekend/Holiday @ \$81 per hour.

(First Two Year Renewal And Final Two Years Of Contract)

4. Authorize the Bureau of Procurement and Materials Management to purchase up to the total estimated amount of \$5,931,013.