Pre-Bid Estimate \$2,250,000.00

| NTAT MATE Television in the Control Outside Black Constraints & Maintenance                         |                 | TERCOM CONSTRUCTION, INC. |                            | SEFNCO COMMUNICATIONS |                         | MICHELS POWER       |                            |
|---|-----------------|---------------------------|----------------------------|-----------------------|-------------------------|---------------------|----------------------------|
| PT17-0147F Telecommunications System Outside Plant Construction & Maintenance  Bid Item Description | Qty             | Unit                      | Extended                   | Unit                  | Extended                | Unit                | Extended                   |
| 1 FURNISH AND INSTALL 1/4" EHS STRAND AND HARDWARE FOR COAXIAL/FIBER OPTIC CABLE                    | 200.000         | \$1.50                    | \$300,000,00               | \$1.26                | \$252,000.00            | \$1.87              | \$374,000.00               |
| 2 MAKE READY CONSTRUCTION—STRAIGHT LINE POLES   | 1,200           | \$105.00                  | \$126,000.00               | \$186.20              | \$223,440.00            | \$104.42            | \$125,304.00               |
| 3 MAKE READY CONSTRUCTION—CORNER, "I" (LEAD, AND DEAD END POLES                                     | 800             | \$145.00                  | \$116,000.00               | \$214.38              | \$171,504.00            | \$149.12            | \$119,296,00               |
| 4 FURNISH AND INSTALL 1/4" OR 3/8" STRAND AND HARDWARE FOR GUYING                                   | 50              | \$80.00                   | \$4,000.00                 | \$37.50               | \$1.875.00              | \$238.21            | \$11,910.50                |
| 5 LASH CITY-FURNISHED COAXIAL CABLE (SINGLE CABLE)  | 25,000          | \$1.35                    | \$33,750.00                | \$1.21                | \$30,250.00             | \$1.79              | \$44,750.00                |
| 6 LASH MULTIPLE CITY-FURNISHED COAXIAL CABLES   | 10,000          | \$1.45                    | \$14,500.00                | \$0.29                | \$2,900,00              | \$2.35              | \$23,500.00                |
| 7 DE-LASH AND RE-LASH CITY FURNISHED CABLES   | 50,000          | \$1.50                    | \$75,000.00                | \$3.06                | \$153,000.00            | \$2.49              | \$124.500.00               |
| 8 LASH CITY-FURNISHED FIBER (SINGLE SHEATH)   | 200,000         | \$1.45                    | \$290,000.00               | \$1.21                | \$242,000.00            | \$1.40              | \$280,000.00               |
| 9 COAXIAL ELECTRONIC ACTIVE AND PASSIVE SPLICING AND ACTIVATION                                     | 1,000           | \$1.00                    | \$1,000.00                 | \$1.62                | \$1,620.00              | \$45.23             | \$45,230.00                |
| 10 INSTALL CITY-FURNISHED STANDBY AERIAL POWER SUPPLY WITH UNDERGROUND BATTERIES AND VAULT          | 1               | \$2,150.00                | \$2,150.00                 | \$2,700.00            | \$2,700.00              | \$1,291.02          | \$1,291.02                 |
| 11 INSTALL CITY-FURNISHED STANDBY UNDERGROUND POWER SUPPLY CABINET AND BATTERIES AND VAULT          | 1               | \$2,500.00                | \$2,500.00                 | \$3,900.00            | \$3,900.00              | \$1,467.31          | \$1,467.31                 |
| 12 ROCKSAW TRENCH, MINIMUM 6" WIDE WITH 18" COVER USING CONTROL DENSITY BACKFILL                    | 1,000           | \$42.00                   | \$42,000.00                | \$48.29               | \$48,290.00             | \$63.10             | \$63,100.00                |
| 13 BACKHOE TRENCH, MINIMUM 12" WIDE WITH 18" COVER USING CONTROL DENSITY BACKFILL                   | 100             | \$25.50                   | \$2,550.00                 | \$44.09               | \$4,409.00              | \$37.42             | \$3,742.00                 |
| 14 TRENCH 12" WIDE WITH 24" COVER USING NATIVE MATERIAL BACKFILL                                    | 6,000           | \$33.00                   | \$198,000.00               | \$40.49               | \$242,940.00            | \$23.72             | \$142,320.00               |
| 15 TRENCH 12" WIDE WITH 36" COVER USING NATIVE MATERIAL BACKFILL                                    | 500             | \$37.00                   | \$18,500.00                | \$41.49               | \$20,745.00             | \$27.94             | \$13,970.00                |
| 16 TRENCH 12" WIDE WITH 36" COVER WITH 2" CONCRETE CAP USING NATIVE MATERIAL BACKFILL               | 100             | \$39.00                   | \$3,900.00                 | \$45.09               | \$4,509.00              | \$33.21             | \$3,321.00                 |
| 17 TRENCH 12" WIDE WITH 36" COVER UNDER WEDGE CURB USING 5/8"MINUS GRAVEL BACKFILL MATERIAL         | 100             | \$41.00                   | \$4,100.00                 | \$48.19               | \$4,819.00              | \$136.92            | \$13,692.00                |
| 18 INSTALL UNDERGROUND SERVICE CONDUIT  | 100             | \$700.00                  | \$70,000.00                | \$644.25              | \$64,425.00             | \$1,524.29          | \$152,429.00               |
| 19 UNDERGROUND PUSHING  | 100             | \$55.00                   | \$5,500.00                 | \$1.21                | \$121.00                | \$47.79             | \$4,779.00                 |
| 20 DIRECTIONAL BORING 1-2"  | 1,000           | \$64.00                   | \$64,000.00                | \$53.32               | \$53,320.00             | \$31.63             | \$31,630.00                |
| DIRECTIONAL BORING 2-2"   | 1,000           | \$66.00                   | \$66,000.00                | \$62.31               | \$62,310.00             | \$33.73             | \$33,730.00                |
| DIRECTIONAL BORING 3-2"   | 1,000           | \$68.00                   | \$68,000.00                | \$64.51               | \$64,510.00             | \$40.40             | \$40,400.00                |
| 21 a. PLACE ENCLOSURES - VAULTS   | 50              | \$200.00                  | \$10,000.00                | \$123.14              | \$6,157.00              | \$771.41            | \$38,570.50                |
| 21 b. PLACE ENCLOSURES - SMALL PEDESTALS  | 100             | \$125.00                  | \$12,500.00                | \$29.92               | \$2,992.00              | \$137.21            | \$13,721.00                |
| 21 c. PLACE ENCLOSURES - LARGE PEDESTALS  | 50              | \$250.00                  | \$12,500.00                | \$127.40              | \$6,370.00              | \$374.67            | \$18,733.50                |
| 22 PROOF EXISTING CONDUITS  | 30,000          | \$0.87                    | \$26,100.00                | \$0.73                | \$21,900.00             | \$0.93              | \$27,900.00                |
| 23 CUT, REMOVE AND RESTORE CONCRETE   | 100             | \$25.98                   | \$2,598.00                 | \$27.44               | \$2,744.00              | \$32.51             | \$3,251.00                 |
| 24 CUT, REMOVE AND RESTORE UP TO 3" THICK ASPHALT, BEYOND AND NOT INCLUDING 18" GRIND               | 1,000           | \$25.50                   | \$25,500.00                | \$23.67               | \$23,670.00             | \$5.97              | \$5,970.00                 |
| 25 FURNISH AND INSTALL RISER ASSEMBLIES   | 40              | \$400.00                  | \$16,000.00                | \$147.00              | \$5,880.00              | \$535.32            | \$21,412.80                |
| 26 INSTALL CITY-FURNISHED QR .715 COAXIAL CABLE IN CONDUIT  | 50,000          | \$1.50                    | \$75,000.00                | \$1.12                | \$56,000.00             | \$1.36              | \$68,000.00                |
| 27 INSTALL CITY-FURNISHED RG6 OR RG11 COAXIAL CABLE IN CONDUIT                                      | 1,000           | \$0.90                    | \$900.00                   | \$0.67                | \$670.00                | \$1.18              | \$1,180.00                 |
| 28 INNERDUCT PLACEMENT  | 3,000<br>50.000 | \$2.25                    | \$6,750.00                 | \$1.33                | \$3,990.00              | \$5.29              | \$15,870.00                |
| 29 INSTALL CITY-FURNISHED FIBER OPTIC CABLE IN CONDUIT  | 400             | \$1.65                    | \$82,500.00                | \$1.12                | \$56,000.00             | \$1.37              | \$68,500.00                |
| 30 a. AERIAL CREW RATE LINEMAN 30 b. AERIAL CREW RATE DRIVER/GROUND MAN                             | 400             | \$70.00<br>\$60.00        | \$28,000.00<br>\$24,000.00 | \$46.91               | \$18,764.00             | \$109.09            | \$43,636.00<br>\$21.084.00 |
|   | 400             | \$55.00                   | 1 /                        | \$26.43<br>\$26.43    | \$10,572.00             | \$52.71<br>\$52.71  | \$21,084.00                |
| 30 c. AERIAL CREW RATE LABORER 30 d. AERIAL CREW RATE SPLICER                                       | 10              | \$55.00<br>\$70.00        | \$22,000.00<br>\$700.00    | \$26.43<br>\$50.49    | \$10,572.00<br>\$504.90 | \$52.71             | \$21,084.00                |
| SPLICING VEHICLE  | 10              | \$70.00<br>\$50.00        | \$500.00                   | \$50.49<br>\$109.52   | \$504.90                | \$129.55<br>\$25.30 | \$1,295.50                 |
| LINE TRUCK/CABLE TRAILER  | 400             | \$60.00                   | \$24,000,00                | \$105.32              | \$48.528.00             | \$54.82             | \$21.928.00                |
| 31 a. UNDERGROUND CREW RATE EQUIPMENT OPERATOR  | 400             | \$60.00                   | \$24,000.00                | \$121.32<br>\$50.49   | \$48,528.00             | \$54.82<br>\$83.82  | \$21,928.00                |
| 31 b. UNDERGROUND CREW RATE EQUIPMENT OPERATOR  31 b. UNDERGROUND CREW RATE DRIVER/GROUND MAN       | 400             | \$60.00                   | \$32,000.00                | \$29.32               | \$11,728.00             | \$74.12             | \$33,528.00                |
| 31 c. UNDERGROUND CREW RATE LABORER   | 1000            | \$55.00                   | \$55,000.00                | \$26.43               | \$26,430.00             | \$55.43             | \$55,430,00                |
| 31 d. UNDERGROUND CREW RATE SPLICER   | 2000            | \$70.00                   | \$140,000.00               | \$50.49               | \$100,980.00            | \$129.55            | \$259,100.00               |
| SPLICING VEHICLE  | 2000            | \$50.00                   | \$100,000.00               | \$109.52              | \$219,040.00            | \$25.30             | \$50,600.00                |
| BACKHOE   | 400             | \$50.00                   | \$20,000.00                | \$73.21               | \$29,284.00             | \$39.01             | \$15,604.00                |
| TRUCKS WITH EQUIPMENT   | 1000            | \$60.00                   | \$60,000,00                | \$109.52              | \$109.520.00            | \$153.91            | \$153,910.00               |
| 32 SET UP FEE   | 1               | \$500.00                  | \$500.00                   | \$968.75              | \$968.75                | \$660.98            | \$660.98                   |
| 33 STRUCTURAL FILL – 5/8"MINUS GRAVEL   | 500             | \$45.00                   | \$22,500,00                | \$57.00               | \$28.500.00             | \$54.82             | \$27.410.00                |
| 34 FORCE ACCOUNT  | 1               | \$150,000.00              | \$150,000.00               | \$150,000.00          | \$150,000.00            | \$150,000.00        | \$150,000.00               |
|   | SUBTOTAL        |                           | \$2,480,998.00             |                       | \$2,628,642.85          |                     | \$2,822,642.11             |
|   | TAX             | 10.1%                     | \$250.580.80               |                       | \$265,492.93            |                     | \$285,086.85               |
|   |                 | 10.1%                     |                            |                       |                         |                     |                            |
|   | TOTAL           |                           | \$2,731,578.80             |                       | \$2,894,135.78          |                     | \$3,107,728.96             |
|   | I               |                           |                            |                       |                         |                     |                            |