



Systems Application & Technologies, Inc
City Of Hyattsville Police Department and Wireless
Access Points Nodes



Outside Plant Cable Fiber Quote



QUOTE

1101 Mercantile Lane
Suite 200
Largo, MD 20774

Quote ID: 2425-07R

Date: June Jun 25, 2024

Sold To:
City of Hyattsville
DPWT
4637 Arundel Place
Hyattsville, MD 20781

| Salesperson | PO Number | Agency | Progress |
|-------------|-----------|--------------------------|----------|
| C. Jones | 2425-07R | City of Hyattsville DPWT | Net 30 |

Project Name: INET Fiber Police Fiber Project **\$ 266,292.97**

Project Name: City of Hyattsville Wireless Access Point Nodes **\$ 422,858.20**

Scope of Work:

INET Fiber Project

Furnish and install all labor and materials to place, splice, terminate, and test, conduit and fiber optic cabling from The HH located at the corner of Good Luck Rd and Cathedral Av the County Shelter at the Trap and Skeet Tower per provided drawings

Wireless Access Point Nodes

Wireless Access Point Nodes: Furnish and install all labor and materials to install 7 Wireless Access Point Nodes per customer specifications. Place, splice, terminate, and test, conduit, and fiber optic cabling and Wireless Access Points.



INET Police Fiber Project

| | QTY | PRICE | TOTAL |
|---------------------------------------|--------|--------------|---------------|
| Directional | 5200 | \$ 20.35 | \$ 105,820.00 |
| Place HH | 9 | \$ 528.00 | \$ 4,752.00 |
| Hard surface test pitting | 41 | \$ 473.00 | \$ 19,393.00 |
| Place 48 CT fiber | 6242 | \$ 1.98 | \$ 12,359.16 |
| Place tracer | 5100 | \$ 0.42 | \$ 2,142.00 |
| Place ground rod | 9 | \$ 33.00 | \$ 297.00 |
| Rod and rope | 1042 | \$ 1.65 | \$ 1,719.30 |
| Culvert attachment | 1 | \$ 2,948.00 | \$ 2,948.00 |
| Traffic control lane closure | 5 | \$ 1,043.63 | \$ 5,218.15 |
| Traffic Control 4-way flagging | 28 | \$ 1,375.00 | \$ 38,500.00 |
| Asphalt/concrete remove/repair | 1 | \$ 19,445.80 | \$ 19,445.80 |
| 48 CT | 7856.2 | \$ 0.97 | \$ 7,620.51 |
| 2" HDPE | 5980 | \$ 2.45 | \$ 14,651.00 |
| 24x36 HH | 9 | \$ 1,432.43 | \$ 12,891.87 |
| Couplings | 9 | \$ 33.00 | \$ 297.00 |
| Ground Wire | 5865 | \$ 0.40 | \$ 2,346.00 |
| Ground Rod | 9 | \$ 26.14 | \$ 235.26 |
| PVC 2" | 50 | \$ 3.69 | \$ 184.50 |
| PVC Sweeps 36" | 2 | \$ 74.25 | \$ 148.50 |
| Pipe Clamp | 1 | \$ 55.00 | \$ 55.00 |
| Aquaphalt | 24 | \$ 121.00 | \$ 2,904.00 |
| Mule tape | 3 | \$ 198.00 | \$ 594.00 |
| Mount panel to wall rack | 1 | \$ 132.17 | \$ 132.17 |
| Panel prep | 1 | \$ 178.20 | \$ 178.20 |
| FDP Splicing 25-144F | 48 | \$ 62.37 | \$ 2,993.76 |
| Add cable to enclosure | 1 | \$ 166.32 | \$ 166.32 |
| Fusion Splice | 8 | \$ 87.62 | \$ 700.96 |
| OTDR | 48 | \$ 16.34 | \$ 784.32 |
| 2 tech splicing team | 1 | \$ 2,673.00 | \$ 2,673.00 |
| Splicing Truck and tools | 1 | \$ 891.00 | \$ 891.00 |
| Corning 2RU w/ adapter & tray bracket | 1 | \$ 1,224.08 | \$ 1,224.08 |
| Splice Tray | 1 | \$ 121.77 | \$ 121.77 |
| 12F SM 3M Pigtail | 4 | \$ 96.53 | \$ 386.12 |

| | | | | | |
|--------------------------------|---|----|--------|----|------------|
| Corning M67-078 Splice Tray | 2 | \$ | 126.23 | \$ | 252.46 |
| Corning Coupler Panel 12ct | 4 | \$ | 261.69 | \$ | 1,046.76 |
| Sundries | 1 | \$ | 220.00 | \$ | 220.00 |
| | | | | \$ | 266,292.97 |



Robert J King Park

| DESCRIPTION | QTY | PRICE | TOTAL |
|--|--------|-------------|--------------|
| Place 2" HDPE | 150 | \$ 22.00 | \$ 3,300.00 |
| Place HH in sidewalk | 2 | \$ 1,320.00 | \$ 2,640.00 |
| Hard Surface test pitting | 4 | \$ 473.00 | \$ 1,892.00 |
| Place tracer | 150 | \$ 0.42 | \$ 63.00 |
| Place 24ct LT | 221 | \$ 1.98 | \$ 437.58 |
| Place ground rod | 2 | \$ 33.00 | \$ 66.00 |
| Traffic Control | 1.50 | \$ 1,375.00 | \$ 2,062.50 |
| 12ct Fiber | 254.15 | \$ 0.75 | \$ 190.61 |
| Provide 2" HDPE | 172.50 | \$ 2.45 | \$ 422.63 |
| 24X36 HH | 2.00 | \$ 1,432.43 | \$ 2,864.86 |
| Ground Wire | 172.50 | \$ 0.40 | \$ 69.00 |
| Ground Rod | 2.00 | \$ 26.07 | \$ 52.14 |
| Cold patch | 4 | \$ 121.00 | \$ 484.00 |
| Ringcut 48 in new enclosure terminate 2F in existing | 1 | \$ 1,930.80 | \$ 1,930.80 |
| Sundries | 1 | \$ 371.25 | \$ 371.25 |
| Placement Meraki MR78 Outdoor WIFI Access Point | 1 | \$ 1,390.40 | \$ 1,390.40 |
| Placement Cisco Switch 3560-CX Outdoor Electrical Enclosure Weatherproof Box - 23.6*31.5*17.7"Universal IP Galvanized Plate Electrical Box | 1 | \$ 2,776.40 | \$ 2,776.40 |
| | | | \$ 22,784.17 |



Magruder Park

| DESCRIPTION | QTY | PRICE | TOTAL |
|--|--------|-------------|--------------|
| Place 2" HDPE | 450 | \$ 22.00 | \$ 9,900.00 |
| Place HH in sidewalk | 1 | \$ 1,320.00 | \$ 1,320.00 |
| Hard Surface test pitting | 2 | \$ 473.00 | \$ 946.00 |
| Place tracer | 450 | \$ 0.42 | \$ 189.00 |
| Place 24ct LT | 650 | \$ 1.98 | \$ 1,287.00 |
| Place ground rod | 1 | \$ 33.00 | \$ 33.00 |
| Traffic Control | 2.00 | \$ 1,375.00 | \$ 2,750.00 |
| 12ct Fiber | 747.5 | \$ 0.75 | \$ 560.63 |
| Provide 2" HDPE | 517.50 | \$ 2.45 | \$ 1,267.88 |
| 24X36 HH | 1.00 | \$ 1,432.43 | \$ 1,432.43 |
| Ground Wire | 517.00 | \$ 0.40 | \$ 206.80 |
| Ground Rod | 1.00 | \$ 26.07 | \$ 26.07 |
| Cold patch | 2 | \$ 121.00 | \$ 242.00 |
| Ringcut 48 in new enclosure terminate 2F in existing | 1 | \$ 1,930.80 | \$ 1,930.80 |
| OTDR per trace | 12 | \$ 15.64 | \$ 187.68 |
| Sundries | 1 | \$ 371.25 | \$ 371.25 |
| Placement Meraki MR78 Outdoor WIFI Access Point | 1 | \$ 1,390.40 | \$ 1,390.40 |
| Placement Cisco Switch 3560-CX Outdoor Electrical Enclosure Weatherproof Box - 23.6*31.5*17.7"Universal IP Galvanized Plate Electrical Box | 1 | \$ 2,776.40 | \$ 2,776.40 |
| | | | \$ 28,588.33 |



38th Ave Park

| DESCRIPTION | QTY | PRICE | TOTAL |
|--|---------|-------------|--------------|
| Place 2" HDPE | 1690 | \$ 22.00 | \$ 37,180.00 |
| Place HH in sidewalk | 6 | \$ 1,320.00 | \$ 7,920.00 |
| Hard Surface test pitting | 10 | \$ 473.00 | \$ 4,730.00 |
| Place tracer | 1690 | \$ 0.42 | \$ 709.80 |
| Place 24ct LT | 2490 | \$ 1.98 | \$ 4,930.20 |
| Place ground rod | 6 | \$ 33.00 | \$ 198.00 |
| Asphalt/Concrete removal | 1 | \$ 5,060.00 | \$ 5,060.00 |
| Traffic Control | 9.00 | \$ 1,375.00 | \$ 12,375.00 |
| 12ct Fiber | 2863.5 | \$ 0.75 | \$ 2,147.63 |
| Provide 2" HDPE | 1943.50 | \$ 2.45 | \$ 4,761.58 |
| 24X36 HH | 6.00 | \$ 1,432.43 | \$ 8,594.58 |
| Couplings | 6.00 | \$ 33.00 | \$ 198.00 |
| Ground Wire | 1943.50 | \$ 0.40 | \$ 777.40 |
| Ground Rod | 6.00 | \$ 26.07 | \$ 156.42 |
| Cold patch | 10 | \$ 121.00 | \$ 1,210.00 |
| Ringcut 48 in new enclosure terminate 2F in existing | 1 | \$ 1,930.80 | \$ 1,930.80 |
| OTDR per trace | 12 | \$ 15.64 | \$ 187.68 |
| Sundries | 1 | \$ 371.25 | \$ 371.25 |
| Placement Meraki MR78 Outdoor WIFI Access Point | 1 | \$ 1,390.40 | \$ 1,390.40 |
| Placement Cisco Switch 3560-CX Outdoor Electrical Enclosure Weatherproof Box - 23.6*31.5*17.7"Universal IP Galvanized Plate Electrical Box | 1 | \$ 1,771.00 | \$ 1,771.00 |
| | | | \$ 2,776.40 |
| | | | \$ 96,599.73 |



Hyatt Park

| DESCRIPTION | QTY | PRICE | TOTAL |
|--|--------|-------------|--------------|
| Place 2" HDPE | 200 | \$ 22.00 | \$ 4,400.00 |
| Place HH | 1 | \$ 528.00 | \$ 528.00 |
| Place HH in sidewalk | 1 | \$ 1,320.00 | \$ 1,320.00 |
| Hard Surface test pitting | 4 | \$ 473.00 | \$ 1,892.00 |
| Place tracer | 200 | \$ 0.42 | \$ 84.00 |
| Place 24ct LT | 400 | \$ 1.98 | \$ 792.00 |
| Place ground rod | 2 | \$ 33.00 | \$ 66.00 |
| Traffic Control | 2.00 | \$ 1,375.00 | \$ 2,750.00 |
| 12ct Fiber | 400 | \$ 0.75 | \$ 300.00 |
| Provide 2" HDPE | 230.00 | \$ 2.45 | \$ 563.50 |
| 24X36 HH | 2.00 | \$ 1,432.43 | \$ 2,864.86 |
| Ground Wire | 230.00 | \$ 0.40 | \$ 92.00 |
| Ground Rod | 2.00 | \$ 26.07 | \$ 52.14 |
| Cold patch | 4 | \$ 121.00 | \$ 484.00 |
| Ringcut 48 in new enclosure terminate 2F in existing | 1 | \$ 1,930.80 | \$ 1,930.80 |
| OTDR per trace | 12 | \$ 15.64 | \$ 187.68 |
| Sundries | 1 | \$ 371.25 | \$ 371.25 |
| Placement Meraki MR78 Outdoor WIFI Access Point | 1 | \$ 1,390.40 | \$ 1,390.40 |
| Placement Cisco Switch 3560-CX Outdoor Electrical Enclosure Weatherproof Box - 23.6*31.5*17.7"Universal IP Galvanized Plate Electrical Box | 1 | \$ 2,776.40 | \$ 2,776.40 |
| | | | \$ 24,616.03 |



City Building 3505 Hamilton

| DESCRIPTION | QTY | PRICE | TOTAL |
|---|------|-------------|-------------|
| Placement Meraki MR78 Outdoor WiFi Access Point | 1 \$ | 1,390.40 \$ | 1,390.40 |
| Placement Ethernet Cat 6 | 1 \$ | 675.00 \$ | 675.00 |
| MICS | 1 \$ | 150.00 \$ | 150.00 |
| | | | \$ 2,215.40 |



Nicholson Park

| DESCRIPTION | QTY | PRICE | TOTAL |
|--|---------|-------------|---------------|
| Place 2" HDPE | 2478 | \$ 22.00 | \$ 54,516.00 |
| Place HH | 5 | \$ 528.00 | \$ 2,640.00 |
| Place HH in sidewalk | 2 | \$ 1,320.00 | \$ 2,640.00 |
| Hard Surface test pitting | 17 | \$ 473.00 | \$ 8,041.00 |
| Place tracer | 2478 | \$ 0.42 | \$ 1,040.76 |
| Place 24ct LT | 3378 | \$ 1.98 | \$ 6,688.44 |
| Place ground rod | 7 | \$ 33.00 | \$ 231.00 |
| Asphalt/concrete removal | 1 | \$ 5,927.90 | \$ 5,927.90 |
| Traffic Control | 14.00 | \$ 1,375.00 | \$ 19,250.00 |
| 12ct Fiber | 3335 | \$ 0.75 | \$ 2,501.25 |
| Provide 2" HDPE | 2300.00 | \$ 2.45 | \$ 5,635.00 |
| 24X36X24 HH | 7.00 | \$ 1,432.43 | \$ 10,027.01 |
| Coupling | 7.00 | \$ 33.00 | \$ 231.00 |
| Ground Wire | 2300.00 | \$ 0.40 | \$ 920.00 |
| Ground Rod | 7.00 | \$ 26.14 | \$ 182.98 |
| Cold patch | 17 | \$ 121.00 | \$ 2,057.00 |
| Ringcut 48 in new enclosure terminate 2F in existing | 1 | \$ 1,930.80 | \$ 1,930.80 |
| OTDR per trace | 12 | \$ 15.64 | \$ 187.68 |
| Sundries | 1 | \$ 371.25 | \$ 371.25 |
| Placement Meraki MR78 Outdoor WIFI Access Point | 1 | \$ 1,390.40 | \$ 1,390.40 |
| Placement Cisco Switch 3560-CX Outdoor Electrical Enclosure Weatherproof Box - 23.6*31.5*17.7"Universal IP Galvanized Plate Electrical Box | 1 | \$ 2,776.40 | \$ 2,776.40 |
| | | | \$ 130,956.87 |



Dietz Park

| DESCRIPTION | QTY | PRICE | TOTAL |
|--|---------|-------------|---------------|
| Place 2" HDPE | 2000 | \$ 22.00 | \$ 44,000.00 |
| Place HH | 6 | \$ 528.00 | \$ 3,168.00 |
| Place HH in sidewalk | 1 | \$ 1,320.00 | \$ 1,320.00 |
| Hard Surface test pitting | 17 | \$ 473.00 | \$ 8,041.00 |
| Place tracer | 2900 | \$ 0.42 | \$ 1,218.00 |
| Place 24ct LT | 2000 | \$ 1.98 | \$ 3,960.00 |
| Place ground rod | 7 | \$ 33.00 | \$ 231.00 |
| Asphalt/concrete removal | 1 | \$ 5,927.90 | \$ 5,927.90 |
| Traffic Control | 14.00 | \$ 1,375.00 | \$ 19,250.00 |
| 12ct Fiber | 3335 | \$ 0.75 | \$ 2,501.25 |
| Provide 2" HDPE | 2300.00 | \$ 2.45 | \$ 5,635.00 |
| 24X36X24 HH | 7.00 | \$ 1,432.43 | \$ 10,027.01 |
| Coupling | 7.00 | \$ 33.00 | \$ 231.00 |
| Ground Wire | 2300.00 | \$ 0.40 | \$ 920.00 |
| Ground Rod | 7.00 | \$ 26.14 | \$ 182.98 |
| Cold patch | 17 | \$ 121.00 | \$ 2,057.00 |
| Ringcut 48 in new enclosure terminate 2F in existing | 1 | \$ 1,930.80 | \$ 1,930.80 |
| OTDR per trace | 12 | \$ 15.64 | \$ 187.68 |
| Sundries | 1 | \$ 371.25 | \$ 371.25 |
| Placement Meraki MR78 Outdoor WIFI Access Point | 1 | \$ 1,390.40 | \$ 1,390.40 |
| Placement Cisco Switch 3560-CX Outdoor Electrical Enclosure Weatherproof Box - 23.6*31.5*17.7"Universal IP Galvanized Plate Electrical Box | 1 | \$ 1,771.00 | \$ 1,771.00 |
| | | | \$ 2,776.40 |
| | | | \$ 117,097.67 |



Testing and Acceptance

Complete end to end testing provide to the county, Bidirectional OTDR and light meter/light source test results in electronic and paper formats.

Complete an initial Quality inspection and correct all defects. Provide initial findings and corrections in a report for the joint inspection.

Complete a joint inspection of the testing and quality results with the county including a ride out. Correct any outstanding issues found on the joint inspection and provide results to County

Provide redline drawings in paper and electronic format. Redlines will have the footage readings from the origination point, termination point, each handhole, slack storage location and splice point. Handholes and conduit not placed as shown on the drawings should be indicated on the redline drawings with the correct location indicated on the drawings. Depth, distance from curb, edge of pavement, or sidewalk will be shown on the drawing every 50' marker.

SA-TECH OSP Construction Plan Standardization

Outside Plant Construction Plans varies depending on the type of construction. Different design approaches may warrant given differing types of construction. However, all construction has general methods and standards regardless of construction application type.

Sa-Tech performs all projects in a safe manner. We adhere to all applicable state, federal and local safety regulations while performing all aspect of projects within industry codes, and standards.

SA-TECH OSP personnel have knowledge of the following OSP aspects:

- Pathways and spaces
- Cabling (cable and connecting hardware)
- Bonding and grounding (earthing)
- Right-of-way
- System documentation
- Codes and standards



Our construction plan methodology

1. **Engineer Notification-** Upon award notification SA-TECH notifies the design Engineer 72 hours in advance of starting work. No work begins until the Engineer is present at the job site and agrees that proper preparations for the operation have been made.
2. **Work Zone Traffic Control (WZTC) -** We set-up a WZTC environment to provide a safe work area for our workers. We set all road construction signs in accordance with local regulations and deploy traffic flaggers to facilitate a safe orderly flow for road users. **Identify Utility Locates-** We physically identify the exact location of the underground utilities in the work area.
3. **Equipment operation and placement-** All heavy-duty equipment is loaded and off loaded in a safe environment. As equipment is moved to operation point it is guided by designated equipment movers.
4. **General Telecommunication Infrastructure Operation:**
 - Selecting the drilling units and drilling tools
 - Pilot bore and detection
 - Install telecommunication entrance facility pathways
 - Pulling in the communication cables
 - Perform splicing operation of cables, if applicable
 - Perform termination of communication cables
 - Test and certify communication cables
5. **Site Restoration-** Upon completion of any type construction we de-mobilize equipment and restore the work site to original condition. All excavations will be backfilled and compacted to 90% of original density.
6. **Record Keeping, As-Built –** SA-TECH maintains a daily project log of construction application operation. We will provide As-Builts to the customer.

//signed//

Cecil Jones Jr

Technology Services Division