

January 24, 2020

Quote #: Q-CHI-35131

Mike Baker  
City of Aurora  
44 E Downer Place  
Aurora IL 60507

RE: Phase 1 Aurora Public Works 144 tie

Mr. Baker,

Thank you for the opportunity to submit the following proposal for the project referenced above.

**Pre-Test Reel**

1. Uni-directionally OTDR Test (1) 144CT OS2 SM reel at NTI's warehouse.
2. Provide OTDR equipment.
3. Provide test results.

**Phase 1**

1. Provide labor to investigate and JULIE the proposed route.
2. Furnish and install approximately 7100 LF of 3-1 1/4" polyduct with pull rope via horizontal direction drill method.
3. Furnish and install approximately (14) 30"x48" blank handholes.
4. Furnish and install approximately (14) locate pedestals with conduit tie to the handhole.
5. Furnish and install (1) tracer wire and (1) 144CT FO OS2 SM cable from HH 21-10 at Eola and Liberty St approximately 8000FT to the HH 55.3 near County Line Rd and New York St.
6. Provide 50FT slack coils at each hand hole.
7. Provide fiber tags at each slack coil.
8. Provide labor to prep in new 144CT cable in existing case at Eola and Liberty St HH 21-10 and midsheath TBD fibers on the existing backbone fiber in HH 21-10.
9. Provide labor to fusion splice TBD fibers in HH 21-10.
10. Furnish and install up to 300 LF of 3-1 1/4" conduit into the Aurora Public Works building and (1) 30"x48" handhole.
11. Furnish and install (1) 12CT FO OS2 SM cable and (1) tracer wire approximately 300FT from the new handhole outside the Aurora Public Works building.
12. Furnish and install new case and trays in HH 55.3 near County Line Rd and New York St.
13. Provide labor to prep in new 12CT OS2 SM cable and midsheath splice (12) fibers onto the new 144CT OS2 cable.
14. Provide pick up trucks, fusion splicer, capstans, trailer and splice trailer.

**Testing**

1. Uni-directionally OTDR test (132) fibers from HH 21-10 to the new hand hole near the new public works building.
2. Bi-directionally and power meter test (12) fibers from the new hand hole near the public works building to the new panel inside the public works building.
3. Provide pick-up trucks, OTDR and power meters.
4. Provide test results package upon completion.

**HH Audits**

1. Provide labor to audit all new handholes as well as existing handholes that were used for the project.
2. Provide pictures and details of each handhole.



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DATA CENTERS



STRUCTURED CABLING



DAS



ELECTRICAL

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Description	Hours/Qty	Unit	Rate	Cost
Project Manager	8	Hours	\$105.00	\$840.00
Pre-test 144ct reel	8	Hours	\$105.00	\$840.00
OTDR for pre-test	8	Each	\$12.00	\$96.00
Pulling Cable 4 foreman 5 days	160	Hours	\$105.00	\$16,800.00
Pulling Cable 2 splicers 5 days	80	Hours	\$92.00	\$7,360.00
Pulling Cable 4 Trucks 5days	160	Hours	\$12.00	\$1,920.00
Equipment trailer 5 days	40	Each	\$10.00	\$400.00
Fiber Optic Capstan Winch 4 days	40	Each	\$25.00	\$1,000.00
Liberty and Eola Splicing 1 foreman	8	Hours	\$105.00	\$840.00
Liberty and Eola splicing 1 splicer	8	Hours	\$92.00	\$736.00
Liberty and Eola Splicing truck	8	Hours	\$12.00	\$96.00
Liberty and Eola splice trailer	8	Hours	\$29.00	\$232.00
Mass Fusion Splicer	8	Each	\$18.00	\$144.00
Public Works Building Tie Splicing 2 Foreman	16	Hours	\$105.00	\$1,680.00
Public Works Building Tie splicing 1 splicer	8	Hours	\$92.00	\$736.00
Truck-Standard Public Works Building Splicing	16	Hours	\$12.00	\$192.00
Trailer - Splicing Public Works Building Splicing tie	8	Hours	\$29.00	\$232.00
OTDR test after completion	8	Each	\$12.00	\$96.00
Power meter test after completion	8	Each	\$9.00	\$72.00
450 Case with trays for Public Works Tie	1		\$450.00	\$450.00
PCH-01U with splice holder and 12 ct bulkhead	1		\$336.00	\$336.00
Phase 1 quote from UDC + 20%MU	1	Each	\$236,880.00	\$236,880.00
144 CT @ 8000 \$2.11/ft	1		\$16,896.00	\$16,896.00
12 CT @ 300 \$1.98/ft	1		\$594.00	\$594.00
Tracer Wire @ 8000 \$0.66/ft	1		\$5,280.00	\$5,280.00
(14) Hand hole audits upon completion of the project	14	Hours	\$105.00	\$1,470.00

**Sub Total:** \$296,218.00

**Equipment & Labor Total:** \$296,218.00



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- Restoration with seed and blanket is included
- Hard surface restoration at applicable T&E rates
- Obstruction removal at applicable T&E rates (rock, foundations, etc.)
- Engineering and layout is by others
- Permits, drawings, etc are by others

We appreciate the opportunity to provide your company with a proposal and hope to work with you on this project. Should you have any questions or if we can be of further assistance, please call me at the number below.

Sincerely,

Nate Schroeder



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