

January 18, 2023

Quote #: Q-CHI-N567320

Purchasing Division  
City of Aurora  
44 E. Downer Place, P.O. Box 2067  
Aurora IL 60507

RE: Butterfield Lift Station

Mr Baker,

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

**SCOPE**

1. Engineer route, generate applications, obtain permits, pay fees and provide labor to investigate and JULIE the proposed route.
2. Furnish and install approximately 4,100 LF of 1.25" polyduct with tracer and pull rope via horizontal direction drill method from HH 49-12.5 on the corner of Eola/Ferry to the Butterfield Lift Station.
3. Provide outside wall core into Lift Station and install outside box.
4. Furnish and install approximately (7) 30"x48" blank handholes.
5. Furnish and install approximately (7) locate pedestals with conduit tie to the handhole.
6. Furnish and install approx. 5,000' of 144ct SM Ribbon OSP cable from existing case at HH 49-12.5 to the new HH at the Lift Station. per design leaving slack coils at each new HH.
7. Provide fiber tags at each slack coil.
8. Inside Lift Station, install plywood backer and mount loaded SPH panel on plywood.
9. Furnish and install 12ct fiber in HH outside Lift Station and into building and prep on both ends.
10. Prep cable in new case at new case at Lift Station and existing HH 49-12.5.
11. Provide labor to fusion splice TBD fibers in HH 49-12.5, HH outside Lift Station and 12ct fiber at panel..
12. Provide pick up trucks, fusion splicer, blowing machines, trailer and splice trailer.

**Testing**

1. Uni-directionally OTDR test (144) fibers from HH 49-12.5 to new HH outside Lift Station.
2. Plug in loop back jumpers in fibers tbd and confirm link with COA.
3. Provide pick-up trucks, OTDR and power meters.
4. Provide test results package upon completion.

**HH SEP's**

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.

| Description                | Hours / Qty | Unit  | Rate     | Cost       |
|----------------------------|-------------|-------|----------|------------|
| Project Manager            | 16          | Hours | \$105.00 | \$1,680.00 |
| Foreman Labor              | 48          |       | \$140.00 | \$6,720.00 |
| Technician Labor           | 64          |       | \$125.00 | \$8,000.00 |
| Air Compressor-400CFM      | 32          | Hours | \$49.00  | \$1,568.00 |
| Blowing Machine Setup (ea) | 32          | Hours | \$55.00  | \$1,760.00 |

| Description  | Hours / Qty | Unit  | Rate         | Cost                |
|--|-------------|-------|--------------|---------------------|
| Kane County - Splicing Trailer   | 16          | Hours | \$31.00      | \$496.00            |
| Kane County - Pick-up Truck  | 64          | Hours | \$15.00      | \$960.00            |
| 144ct SM Ribbon OSP FOC  | 5,000       | Each  | \$3.00       | \$15,000.00         |
| 450 D case   | 1           | Each  | \$525.00     | \$525.00            |
| SPH Panel  | 1           | Each  | \$450.00     | \$450.00            |
| Construction labor of approx. 4,100'<br>Furnish and install polyduct, HH's etc | 1           | Each  | \$202,500.00 | \$202,500.00        |
| Route Engineering, permits and fees  | 1           | Each  | \$17,040.00  | \$17,040.00         |
| <b>Sub Total:</b>  |             |       |              | \$256,699.00        |
| <b>Equipment &amp; Labor Total:</b>  |             |       |              | <b>\$256,699.00</b> |

## NOTES

- 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.)
- Includes engineering and layout, permits, drawings, etc included.

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,

Chad Peterson  
630-973-6147  
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5101 Thatcher RD  
Downers Grove, IL 60515 [cpeterson@ntitech.com](mailto:cpeterson@ntitech.com)