

August 13, 2015

Bill Lake  
Kane County IT

Reference: Kane County-City of Aurora Bytegrid Integration

Mr. Lake:

Thank you for the opportunity to submit the following proposal for fiber optic work on the project referenced above.

1. Provide IR Labor, Walkout GPS Survey, Cad Design, Permitting, Pulling plan & Asbuilts
2. Furnish and install 3-1.25" poly ducts approximately 4400 LF via horizontal directional bore method from an existing HH at Liberty and Station Blvd to Commons and Gabriel
3. Furnish and install 11-24"x36" composite type hand hole with locate pedestal
4. When placing the HH at Gabriel & Commons, the COA duct package will need to be dug up, all 3 ducts brought up into the HH and existing COA 144 slack will be retrieved from existing hand holes
5. Furnish & install 11 locate pedestals at all new HH's
6. Furnish & Install 850 Ft of 3-1.25" ducts from the existing COA HH at Station & Meridian Lake north to the train station closet
7. Restore turf areas with seed and blanket
8. Pot hole utilities and restore pavement as needed
9. Expose the existing COA duct package outside of Bytegrid, furnish & install 1 new HH
10. Bring all 3 COA ducts up into the new HH and retrieve slack on the 144 from the west
11. Furnish & install 1 locate post at new HH
12. Furnish & install 3-1.25" ducts 150 ft from a new COA HH west of Bytegrid to the center entrance MH of Bytegrid
13. Furnish & install 1-144 cable approximately 300 ft from the COA HH to the Bytegrid cage
14. Furnish & install 1-144 count FDP inside the Bytegrid cage
15. Furnish 2-12 count pigtails, 2-12 count bulkheads with trays & Terminate 24 fibers in the new FDP
16. Furnish 1 splice case in the new COA HH at the west end of Bytegrid
17. Splice fibers as directed toward Orchard & I-88
18. Furnish & install approximately 9500 LF of 144 fiber, with tracer wire from an existing MH at the train station, to a new hand hole at Gabriel and Commons
19. Furnish 1-Tyco 450 D splice case with trays and midsheath the existing COA backbone at Gabriel & Commons

20. Prep in the new 144 count tail into the new case and splice fibers toward Butterfield & Kirk Rd as directed
21. Furnish & install 1-144 count FDP in the train station closet
22. Furnish 2-12 count pigtails, 2-12 count bulkheads with trays, prep the new 144 fiber into the new FDP and terminate 24 fibers
23. Furnish 1 splice case and 1 bridge cable at Butterfield & Kirk Rd
24. Tie in bridge cable to the COA splice case and splice fibers as directed
25. Furnish 1 splice case and 1 bridge cable at I-88 and Orchard
26. Tie in bridge cable to the COA splice case and splice fibers as directed
27. Test fibers from Kane County to Bytegrid
28. Provide test results
29. Provide construction

Notes:

- Private facilities not located and damaged are to be repaired at T&M rates. (Sprinklers, etc.)
- T&M will be charged, if existing duct packages are deeper than 42"

<b>Job Total As Scoped:</b>					<b>\$219,940.00</b>
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**Option 1 build new to Train Station**

Train Station Breakout Cost					\$16,680.00
Build without Train Station Parking Lot					\$203,260.00
				<b>Total</b>	<b>\$219,940.00</b>

**Option 2 build to existing Meridian Lake HH**

<b>Job Total:</b>					<b>\$214,900.00</b>
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<b>Deduction Cost Per Hand Hole</b>			Each		<b>\$ 1,100.00</b>
<b>Reduce ducts from 3-1.25" to 1-1.25"</b>			Deduction		<b>\$19,200.00</b>

**Kane Plan B**

**Job Total:** \$ 176,460.00

**Kane Plan C**

**Job Total:** \$ 180,620.00

I 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 I can be of further assistance, please call me at (630) 915-5164

Sincerely,

Rick Danca

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