January 6, 2022

Quote #: Q-CHI-40097

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

RE: Aurora Airport

Mr. Baker,

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

SCOPE

Engineering

- 1 Furnish full engineering of route from Barnes Rd to the Aurora Airport.
- 2. Includes JULIE locate and analysis of best final route.
- Includes Walkout/ GPS Survey utilizing conventional surveying data collection methods and a multiple 3. person survey crew; survey, confirm and locate the existing topography, surface appurtenances of existing subsurface utilities, utility surface improvements, and utility elevations for the areas within the Project Limits.
- CAD design- outline & apply all related Property Lines, physically identifiable infrastructure, additional 4. utilities outlined on "IR", proposed running lines, due diligence of property vs. public-way (not incl. title search)
- Construction drawings- create and or develop a fiber pulling plan based on new and or existing 5. documentation to facilitate placement within the field by crews. Each fiber pulling plan to be developed per Owner standards and procedures as outlined and recorded locally.
- Permitting- prepare applications, submit, track coordinate changes and pick up permits from the 6. Municipality/City and process for permit under the proposed contractors name. Send copy to Owner and contractor for records.
- 7. Special IDOT permitting- generate/CAD horizontal profile view, apply for authorization to encroach existing easement, co-locate of premises, work directly with agencies (State, ACOE, Tollway, County, R&R H20, Pipelines, US routes etc.) to outline parameters of permit base.
- As-builts- reflect changes made during the construction process, recording differences between the original 8. design and the completed structure.
- Horizontal Profiles Drafting- jurisdiction Standards and Specifications outline that" All civil design 9. applications performed in public right-of-way will be drafted and presented to the Municipality in both Plan & Profile view format. This allows for a more in-depth review.

Construction and Install

- Furnish and install (6) 1.5" polyducts for the entire 24,000' route by directional bore method. 1.
- 2. Furnish and install (28) 3' x 5' Quazite HH's with located pedestals. (1) approx. every 1000'.
- 3. Furnish and install pull line for each of the (6) polyducts.
- 4. Restoration disturbed turf with seed and blanket.
- Provide fusion splicing of (1728) fibers on (2) 864ct reels and provide power meter testing of the 1st fiber of 5. each ribbon for testing new fiber reels before install.
- 6. Furnish and install approx. 27,000' of 864 OSP FOC from Barnes Rd to the Aurora Airport leaving approx 100' slack coils in each of the (28) newly installed HH's.
- 7. Furnish and install (3) 600D cases and prep 864 cable in all locations.
- Perform (1) butt splice of (864) fibers on route location TBD. 8.



5101 THATCHER RD, DOWNERS GROVE, IL 60515

- 9. Mid-sheath existing 144ct cable at Barnes Rd and splice fibers TBD.
- 10. Prove out butt splice fibers.
- 11. Provide Power Meter testing of (864) fibers from Barnes Rd to the Aurora Airport.
- 12. Furnish and install (1) approx 1200 of 2" polyduct from airport entrance to COA building.
- 13. Furnish and install (3) 36" x 60" HH's along route.
- 14. Furnish and install (3) locate pedestals along route.
- 15. Furnish and install 10' of 2" hard conduit on the outside of the building.
- 16. Core 2-1/2" hole on the outside of the building.
- 17. Furnish and install (1) NEMA 3-R pull box on the outside wall of the building.
- 18. Furnish and install 1600' of 288 SMF fiber from the airport entrance to the COA building data closet leaving 100' slack coils in each of the (3) newly installed HH's.
- 19. Furnish and install all necessary hardware for installing cable in drop ceiling space.
- 20. Furnish and install (1) loaded panel in the COA data closet.
- 21. Prep cable and provide fusion splicing of up to (12) fibers in the data closet panel.
- 22. Prep cable at the airport entrance and splice up to (12) fibers.

Description	Hours/ Qty	Unit	Rate	Cost
Project Manager	80	Hours	\$105.00	\$8,400.00
Barnes to Airport Foreman Labor	400		\$105.00	\$42,000.00
Barnes to Airport Technician Labor	400		\$92.00	\$36,800.00
Airport Lateral Foreman Labor	40		\$105.00	\$4,200.00
Airport Lateral Technician Labor	40		\$92.00	\$3,680.00
Blowing Machine Setup (ea)	440	Hours	\$35.00	\$15,400.00
Air Compressor	440	Hours	\$39.00	\$17,160.00
Trailer - Splicing	220	Hours	\$30.00	\$6,600.00
Truck-Standard	880	Hours	\$18.00	\$15,840.00
OTDR	80	Hours	\$14.00	\$1,120.00
Power meter	80	Each	\$8.00	\$640.00
Mass Fusion Splicer	160	Hours	\$26.00	\$4,160.00
27,000 ft of OSP 864	27,000	Each	\$9.25	\$249,750.00
Loaded 600 Cases	4	Each	\$850.00	\$3,400.00
1600' of 288 smf	1,600	Each	\$4.50	\$7,200.00
Loaded SPH panel	1	Each	\$450.00	\$450.00
Engineering, permits and as-builts	1	Each	\$89,500.00	\$89,500.00
Construction- Furnish and Install (6) 21.5" polyduct, tracer wire, mule line and (28) new 36" x 60" HH's with located pedestals	1	Each	\$1,271,972.00	\$1,271,972.00



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1 THATCHER RD, DOWNERS GROVE, IL 60515					P: 630.851.775	
I	Description	Hours/ Qty	Unit	Rate	Cost	
	Sub Total:		\$1,778,272.00			
1	Equipment & Labor Total:				\$1,778,272.00	

NOTES

- no overtime or weekend work included
- restoration of seed and blanket included
- Permits, engineering and as-builts included
- Hard surface restoration at applicable T&E rates
- Standard traffic control included
- Obstruction removal at applicable T&E rates (rocks, foundations, etc.)
- quote based on fiber reel testing before install
- quote good for 2 weeks because of the ever changing price of materials due to COVID-19

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 National Technologies 5101 Thatcher RD Downers Grove, IL 60515 cpeterson@ntitech.com

