



# City of Aurora

44 E. Downer Place  
Aurora, IL 60505  
www.aurora-il.org

## Cover Memorandum

File Number: 24-0017

**Agenda Date:** 3/26/2024

**Version:** 1

**Status:** Passed

**In Control:** City Council

**File Type:** Resolution

**TO:** Mayor Richard C. Irvin

**FROM:** Michael Baker, Network Engineer  
Michael Pegues, Chief Information Officer

**DATE:** January 22, 2024

### **SUBJECT:**

A resolution to use NTI National Technologies, Downers Grove, IL, as the primary fiber vendor and EX2 Technology, LLC of Omaha, NE as the secondary vendor for 2024 City of Aurora fiber optic projects for \$1,358,149.00 plus a 10% contingency. Total not to exceed \$1,493,963.90.

### **PURPOSE:**

Since 2018, NTI has performed successfully as the City's prime and strategic partner, carrying out a full audit of the fiber optic network for asset management, preventive maintenance, remediation, and emergency repair.

NTI has extensive knowledge of the City's outside plant and offers competitive rates validated on Kane County Resolution 22-170 dated June 2, 2022 for Fiber Optic Support Services.

### **BACKGROUND:**

As previously mentioned, NTI has exceeded expectations for the City of Aurora. Starting in 2018, NTI performed the fiber optic audit on the City of Aurora's fiber optic network. This has given NTI extensive field knowledge of the City's fiber optic network. The audit also provided the splicing information that city staff has added to GIS ArcMap and Vetro Fiber Map software which provides the City with a comprehensive fiber map and visual representation showing the physical placement of the fiber-optic network. These maps showcase specific cables, fiber connected buildings, telecom carriers, and more within the telecommunications infrastructure.

### **DISCUSSION:**

NTI has provided quality service for the City of Aurora and provided competitive pricing is based on the Kane County Resolution 22-170 dated June 2, 2022 for Fiber Optic Support Services.

Additionally, City staff can request comparative pricing from EX2 Technology, LLC of

Omaha, Nebraska if pricing submitted by NTI does not conform to the Kane County Resolution.

Proposed Fiber Projects for 2024 are listed below:

- Yearly PO for fiber maintenance/field repairs - \$120,000.00
- Fiber to Lift Station Manchester (155 Manchester Way) - \$158,064.00
- Fiber to Lift Station Molitor (1610 Molitor Road) - \$107,218.00
- Fiber to Lift Station Orchard Road (529 S. Orchard Road) - \$28,952.00
- Fiber to Well 16 (371 Parker Avenue) - \$300,046.00
- Fiber to Well 17 (811 N Highland Avenue) - \$18,005.00
- Fiber to Well 18 (218 Hillside Avenue) - \$270,554.00
- Fiber to Well 26 (2026 Nottingham) from 288 ring - \$276,770.00
- Fiber for Jumbotron Installations at RiverEdge Park - \$78,540.00 (For A062)

The total cost for the above-mentioned projects is \$1,358,149.00. Adding a 10% contingency of \$135,814.90 brings the total not to exceed to \$1,493,963.90. Of this total not to exceed amount, the maximum not to exceed for CIP C104 is 1,407,569.90 and the 2024 budgeted amount is \$1,519,600.00. The remainder is associated with A062 is \$86,394.00, which has a 2024 budget of \$8,000,000.

After the installation of fiber to these three (3) lift stations and four (4) wells in 2024, the accelerated fiber expansion to Water locations started in 2022 will be completed. During this timeframe, thirty-one (31) Water facilities were migrated from UHF radio-based monitoring to more secure and reliable fiber connections.

Funds are available in account 340-1280-419.73-86 (C104) for this purchase and 354-4440-451.73-43 (A062).

Local preference does not apply, as this resolution is piggybacking on the Kane County Resolution.

**IMPACT STATEMENT:**

By approving this resolution, city staff will ensure fiber projects start by Spring and will be completed before frozen ground in the Fall (C104) and prior to the start of the concert season at RiverEdge Park in June. This request will have a positive impact as the City of Aurora will get the most competitive pricing for any fiber work that is done in the City of Aurora.

**RECOMMENDATIONS:**

That the proposed resolution be adopted.

cc: Infrastructure and Technology

CITY OF AURORA, ILLINOIS

RESOLUTION NO. \_\_\_\_\_  
DATE OF PASSAGE \_\_\_\_\_

A Resolution to use NTI National Technologies, Downers Grove, IL, as the primary fiber vendor and EX2 Technology, LLC of Omaha, NE as the secondary vendor for 2024 City of Aurora fiber optic projects for \$1,358,149.00 plus a 10% contingency. Total not to exceed \$1,493,963.90.

WHEREAS, the City of Aurora has a population of more than 25,000 persons and is, therefore, a home rule unit under subsection (a) of Section 6 of Article VII of the Illinois Constitution of 1970; and

WHEREAS, subject to said Section, a home rule unit may exercise any power and perform any function pertaining to its government and affairs for the protection of the public health, safety, morals, and welfare; and

WHEREAS, since 2018, NTI has performed successfully as the City's primary and strategic vendor, carrying out a full audit of the fiber optic network for asset management, preventive maintenance, and remediation piggybacking on the Kane County Resolution 22-170 dated June 2, 2022 for Fiber Optic Support Services; and

WHEREAS, the City has numerous major fiber projects to be completed in 2024; and

WHEREAS, 2024 Funds are available in account 340-1280-419.73-86(C104) and 354-4440-451.73-43(A062).

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Aurora, Illinois, as follows: the Director of Purchasing is hereby authorized to enter into agreements to utilize NTI National Technologies, Downers Grove, IL, as the primary fiber vendor and EX2 Technology, LLC of Omaha, NE as the secondary vendor for 2024 City fiber optic projects for \$1,358,149.00 plus a 10% contingency. Total not to exceed \$1,493,963.90.