



CITY OF BERWYN, ILLINOIS

IT Department

Request for Proposal (RFP):

Dark Fiber

Metro Area Network

Plus Ten-Gigabit Internet Circuit

November 2021

Contents

- I. City of Berwyn Introduction and Background
- II. Project Scope and Summary
- III. Project Locations
- IV. Project Specifications
- V. Internet Circuit Specifications
- VI. Miscellaneous and Legal
- VII. Submission and Contact Info

- I. The City of Berwyn, Illinois (Berwyn) is a municipality located a few miles west of Chicago.** Berwyn employs approximately 500 staff who in turn serve more than 56,000 residents. Berwyn occupies less than 4 square miles of dense urban land, surrounded by its neighboring towns: Oak Park, Forest Park, Cicero, Riverside, North Riverside, Lyons, and Stickney.

Two major railways run through Berwyn: Canadian National (CN) and Burlington Northern Santa Fe (BNSF). The BNSF line further supports Metra and Amtrak rail commuter systems, making Berwyn a bustling and challenging environment for civil engineering projects.

More information is available on Berwyn's official website:

www.berwyn-il.gov

- II. Berwyn is seeking vendor proposals for a “dark” fiber optic network (MAN) to connect at least eight (8) City-owned buildings.** Seven out of the eight locations in question are already equipped with a managed fiber/private Ethernet service; fiber conduits (point of entry) and related network equipment are present and in-use. The dark fiber initiative (the project) aims to accomplish the following objectives:

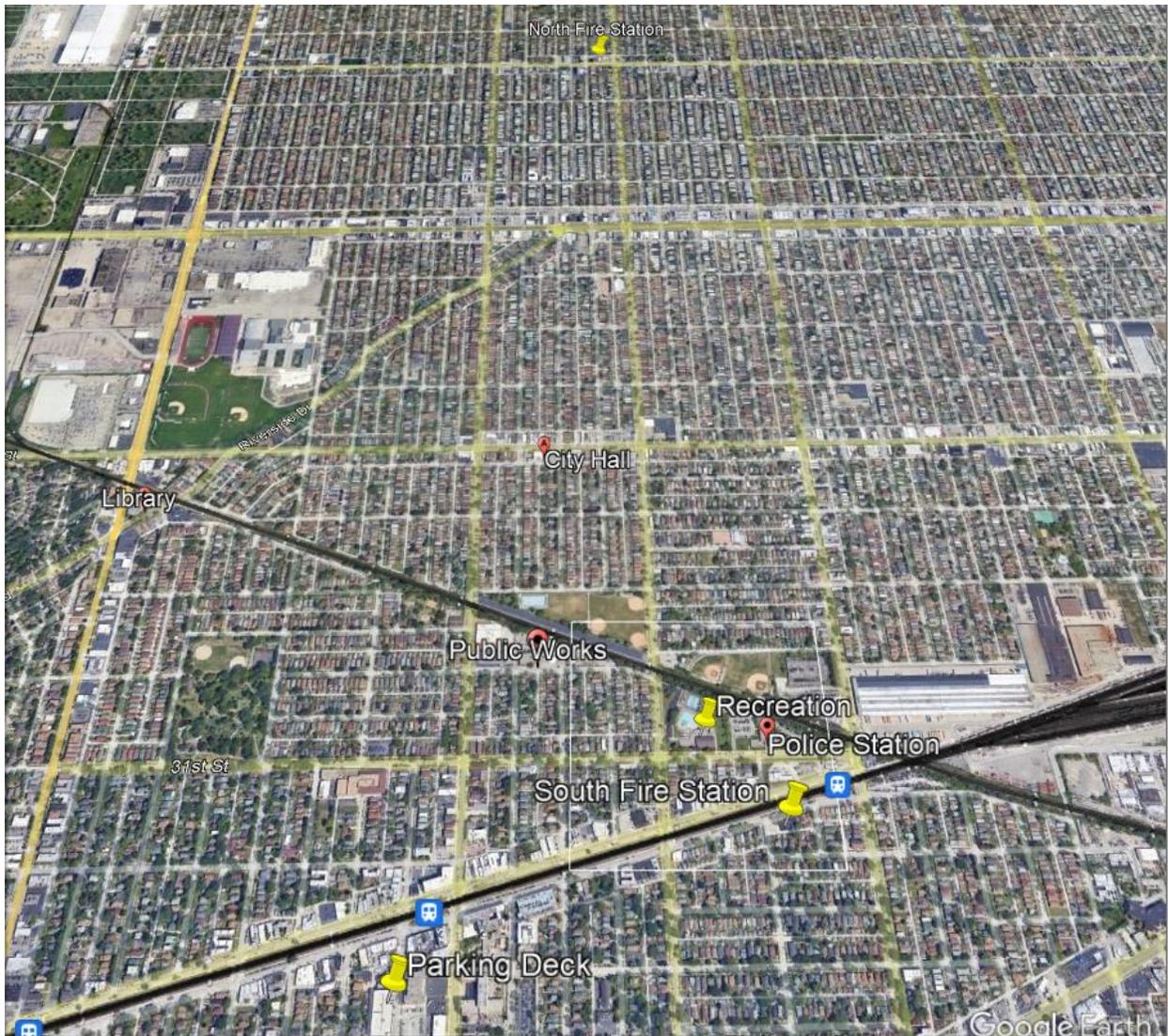
1. Reduce overall monthly costs compared to existing managed Ethernet services.
2. Increase network speeds, flexibilities, and capacities beyond existing 1Gig services.
3. Establish a private and secure MAN; fiber links shall not traverse any service provider or POP equipment. At the same time, the City of

- Berwyn does not seek ownership of any fiber provided through this service.
4. Establish a geographically separate yet logically redundant path between two critical facilities.
 5. Reduce or eliminate Berwyn's risks and liabilities pertaining to fiber ownership; all installations, repairs, maintenance, subcontracting, etc. to be the responsibility of the vendor as part of the monthly recurring cost (MRC).

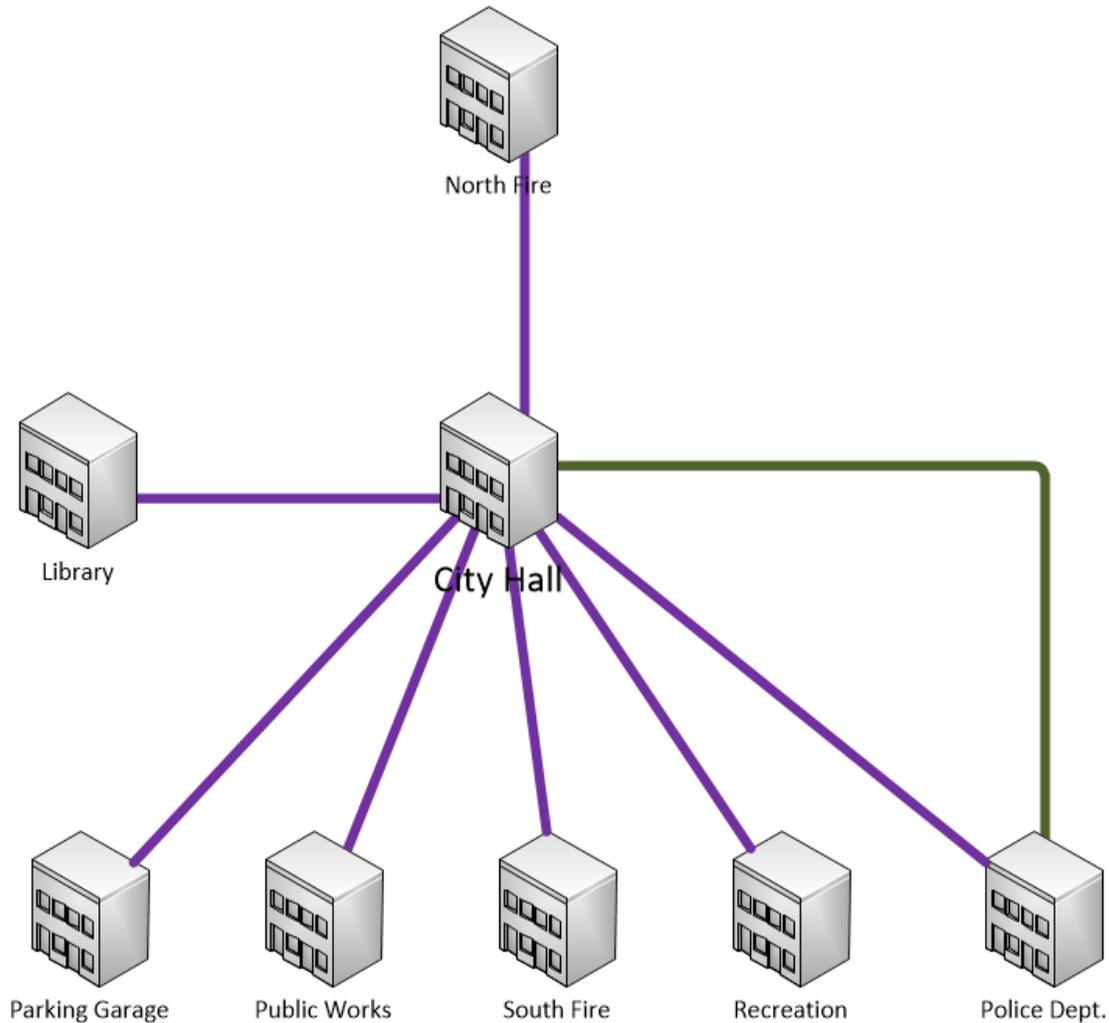
III. Project Locations:

Label	Name	Address (Berwyn, IL)	Note	Strands
Location 1A	City Hall	6700 W 26 th St.	Hub Site – Path A	(Hub)
Location 1B	City Hall	6700 W 26 th St.	Hub Site – Path B	2
Location 2A	Police Dept.	6401 W 31 st St.	Spoke Site – Path A	2
Location 2B	Police Dept.	6401 W 31 st St.	Spoke Site – Path B	2
Location 3	Library	2701 S. Harlem Ave.	Spoke Site – Path A	2
Location 4	Public Works	6700 W 30 th St.	Spoke Site – Path A	2
Location 5	Recreation	6501 W 31 st St.	Spoke Site – Path A	2
Location 6	South Fire	6434 W Windsor Ave.	Spoke Site – Path A	2
Location 7	North Fire	6615 W 16 th St.	Spoke Site – Path A	2
Location 8	Parking Garage	3310 Grove Ave.	Spoke Site – Path A	2

[Table 1, Location Summary]



[Figure 1, City of Berwyn Overview]



[Figure 2, Logical Topology]

IV. To facilitate successful project outcome, the following requirements are defined:

1. Proposals shall describe costs on a monthly basis (i.e. dark fiber As-a-Service).
2. Proposals shall be presented on a five-year term.
3. The costs of planning, installation, construction, restoration, project management and other upfront costs shall be incorporated into the MRC.
4. Maintenance and repair of the fiber-optic network, for the duration of the contract, shall be the sole responsibility of the vendor, as described by a service level agreement (SLA).

5. Each location shall be provided a minimum of two strands of OS2 Single Mode fiber, except for Locations #1 and #2 (noted above), which have additional connectivity requirements.
6. Vendor shall provide all inside cabling to an agreed upon termination point. Fiber terminations shall be clearly marked at the patch panel using the LC UPC connector type.
7. The resulting hub-and-spoke MAN shall be completely private, with no electrical "hops" between buildings or through a central office. The vendor shall impose no restrictions on the use of the network.

- V. A single Ten-Gigabit internet circuit shall be furnished at the City Hall (Hub) location.** This service shall be delivered over a completely separate fiber optic network, not to be comingled with the private dark fiber MAN in any capacity. As a managed service, the 10-Gig internet circuit shall be a separate line item on the vendor's proposal or a may be a separate proposal altogether.

Unlike the dark fiber MAN, the proposed internet circuit shall be accompanied by a vendor-provided router and/or CPE device(s). The vendor shall provide Berwyn a minimum /28 IPv4 block of publically routable IP addresses. The vendor shall also provide IPv6 connectivity.

VI. Miscellaneous and Legal

- The Vendor's proposal must be complete to be considered for award.
- The Proposer is responsible for all costs related to the preparation of this proposal.
- Proposer shall supply all information and submittals required by the proposal documents to constitute a proposal. The proposal shall clearly state the legal name, address, email, telephone number, and fax number of the Proposer. The proposal shall be signed above the typed or printed name and title of the signer. The signer shall have the legal authority to bind the proposer to proposal.
- The City of Berwyn reserves the right to qualify, accept or reject any or all vendors and accept any proposal deemed to be in the best interest of the City of Berwyn. The City of Berwyn reserves the right to accept or reject any or all proposals and to waive irregularities or technicalities in any proposal when in the best interest of the City of Berwyn. The City of Berwyn reserves the right to accept

or reject any exception taken by the vendor to the terms and conditions of the request for proposals.

- Consideration may be given to, but not limited to services available, hours of services available, references, and special pricing. The City of Berwyn reserves the right not to accept the lowest proposer.
- All prescriptions of the RFP shall be understood as a form of a signed contract.
- Any acceptance of a proposal shall NOT result in a binding contract between the City of Berwyn and the Proposer, but instead will simply enable negotiations to take place, which may eventually result in a detailed and refined agreement, contract, or purchase order between the Proposer and the City of Berwyn.
- To expedite the buildout of a citywide fiber optic network, construction near State of Illinois roadways should be avoided. This includes IL 43 (Harlem Ave.) as shown in the link below:

https://idot.illinois.gov/Assets/uploads/files/Transportation-System/Maps-&-Charts/Highway/City/City_Berwyn.pdf
- All permitting, including but not limited to directional boring activity near/under CN and BNSF railways is the responsibility of the vendor.
- Proposals must include a high-level estimated timeline of major project milestones and/or phases. The selected Vendor(s) must maintain open, transparent, and frequent communication with City officials, Berwyn Public Works, and Berwyn IT throughout the duration of the project.
- Inside access to City locations must be coordinated at least 48 hours in advance.
- The City of Berwyn is exempt from all Federal, State of Illinois and other State Taxes on the purchase of commodities and services used by the City of Berwyn within the State of Illinois. The Finance Department shall provide a tax exemption certification to out-of-state taxes imposed on purchases of commodities and/or services which are used within another state and are applicable and subject to payment.
- Contractors and subcontractors shall pay all legally required sales, consumer and use taxes on all commodities and/or services purchased or rented to complete their contract.
- Proposer is not and shall not be deemed to be, an agent or employee of the City of Berwyn, but shall be deemed an Independent Contractor.

- The Proposer, including their subcontractor, employees, representatives or agents, shall indemnify, defend and hold harmless the City of Berwyn and its officers, employees, and agents from any and all liability loss, cost, damage and expense (including reasonable attorney's fees and court cost) resulting from, arising out of, or incurred by reason of any claims, actions or suits based upon or alleging bodily injury including death, or property damage arising out of or resulting from the Proposer's operations under this document.
- Before commencing work, the Proposer shall submit to the City of Berwyn for approval a Certificate of Insurance meeting the requirements specified herein, to be in effect for the full contract period. The City must be listed on the Certificate of Insurance as an additional insured.
- Due to the nature of ARP funding, the selected vendor must be a registered contractor on sam.gov. Click [here](#) for registration information.

VII. Vendor proposals must be submitted by **Tuesday, January 4, 2022, via email only, to the following address:**

FiberProject@ci.berwyn.il.us

Inquiries concerning the RFP process or project requirements directed to:

James Frank

IT Director

JFrank@ci.berwyn.il.us

708-749-6570

Questions pertaining to site locations, connectivity, or other technical matters directed to:

Ben Smogolski

Assistant Director, IT

BSmogolski@ci.berwyn.il.us

708-749-6335