

# Miami Valley Communication Council

## Public Fiber Network

### Request for Information/Proposals

#### **To maximize the effectiveness, utility, long-term values and revenues of MVCnet**

The Miami Valley Communication Council (MVCC) is creating a public fiber network currently named “Miami Valley Communication Network (MVCnet). MVCC members involved in the project include the cities of Kettering, Centerville, Miamisburg, Springboro, Oakwood, West Carrollton, and Moraine. The MVCC is exploring ways to maximize the effectiveness of the fiber network infrastructure connecting the cities that up to this point, has been used to facilitate connectivity among local government buildings, public safety, non-profits, and educational facilities. The MVCC was a recipient of a Local Government Innovation Fund (LGIF) grant that was used to study the creation of a public fiber network by combining the existing fiber assets owned by MVCC members as well as utilizing recently constructed fiber from a private carrier. The new fiber to be constructed will create a more robust network with excess fiber capacity and an additional empty 1 ¼” conduit. The MVCnet was created primarily as a platform to launch innovative ways to share MVCC member resources, create savings, revenues, and efficiencies through collaboration, drive economic development in the region, and enable and attract new telecom carriers and their services to the area. The MVCnet public fiber network infrastructure was viewed as the necessary component and foundation to facilitate the long term strategic goals and Smart City initiatives of the MVCC communities.

The MVCC is seeking one or more private partners to create opportunities to increase the value of the MVCnet network. Additionally, MVCC is interested in having discussions with those ISP’s and telecommunication companies who would be interested in leasing or purchasing the excess fiber or conduit for their own regional, strategic growth goals. MVCC members understand the value of a fiber network that is accessible to the community residents, businesses, Internet Service Providers (ISP’s), data center operators, existing telecom carriers, and education and research facilities. To that end, the MVCC is seeking partners who will help position the network for the future. This can be achieved through its existing carrier relationships, services offered, data center facilities owned or connected to, experience managing community networks, and ability to integrate its own existing fiber and network infrastructure into MVCnet to increase the value of both networks.

#### **Existing MVCnet Connections**

- See exhibit I for map and list of fiber counts by street
- Significant connections – Direct fiber connection to Miami Valley Educational Computer Center (MVECA) in Yellow Springs, OH
- Utilizing and directly connecting to the IFN network
- Currently not directly connected to Private Data Centers
- All local government and MVCC offices are connected to the ring

## RFI RESPONSES

### Network Operations, Revenue Generation, and Marketing

The MVCC desires to create a network environment that serves the MVCC member's current and future technology needs, establishes a platform that supports and facilitates existing, as well as new ISP, telecom carrier, and data center services expansion into the region. Smart City applications and planning are an additional focus of MVCC members. The MVCC desires to expand the network and fiber capacity throughout their communities through partnerships when practical, as well as, increasing the capability of the network to expand into or connect to other regional networks. Network operations discussions and offers should address, but not be limited to the following:

- To which significant networks does your network connect? How are the networks connected? ie data centers, dark fiber, IRU fiber, lit services, strategic alliances, etc.
- What carriers, ISP's, data centers, etc. are currently utilizing your network?
- What would your strategies be for managing and distributing services in areas of limited fiber counts?
- What segments of the 25 miles of newly constructed MVCC most interests your company and why?
- Are you interested in the new conduit, strands of fiber, or buffer tube (12 strands)?
- What strategic value would the conduit or fiber strands be for your company?
- What would your strategy be to help MVCC create protected circuits as well as create an expanded ringed network?
- How would the costs be accounted for building access construction to businesses? Upfront payments, over the term of the contract? Recovered in 6 months? Other?
- What data center services are directly available through your company? Which services would be available through your strategic partners?
- Why would carriers, ISP's and data centers want to use your company to access the MVCnet over other options?
- How would your network expansion plans support MVCC community plans to expand MVCnet into other areas of the community?

### Other factors to be considered:

- Who are your most significant corporate and government clients?
- Why would connecting to the MVCnet be important to your company?
- How would your relationship with the MVCC be strategically significant to MVCC members, your company, and your partners?
- What are some of the ways that the MVCC and its members could participate in revenue opportunities with your company?
- If revenue opportunities are not possible, what other ways could your company create value that would increase revenues or decrease costs to the MVCC as well as its members?
- What is your company's strategy for deploying fiber to the home? How could MVCnet enhance or accelerate those strategies?
- How would you position the MVCnet network in your marketing strategy?

- How would you help the MVCC enhance its identity (local, regional, state-wide)?
- From an economic development perspective, what practical vision do you see MVCnet playing in the region through a relationship with your company?
- The MVCC has successfully leveraged various funding sources to evaluate, engineer and expand the MVCnet network. If applicable, please describe funding opportunities you are aware of that could support your efforts to work with the MVCC. Additionally, fiber networks often expand through partnering in fiber construction projects and the MVCC may be interested in those opportunities as well
- What Smart City applications do you currently offer? What Smart City planning activities and applications are in use today? What is your company’s strategic approach to Smart City deployment and support?

**Guidelines for Response**

This Request for Information is not a Request for Proposal (RFP) but the concepts discussed by the applicants may or may not be used or combined in a RFP in the near future. For that reason, we would not expect pricing models to be presented or discussed in specific detail unless specifically requested during the interview and presentation stage. However, to the extent allowed by law, the MVCC may award one or more specific contracts to one or more responders to the RFI without further RFP. The MVCC is interested in your ideas, concepts, and vision for the MVCnet network to be able to maximize the network’s value to the communities in the near term and into the future.

- i. Responders are welcome to mention any strategic partners, and your relationship, if the partner will be responsible for any portion of the services to be offered
- ii. RFI responses should contain brief, to the point, narratives. There will be time to further elaborate during the presentations if selected for additional presentations

**Timeline for Response - 2018**

**November 28th, 10:30pm EST**

**Responders Q&A Session**

1195 E Alex Bell Rd, Dayton, OH 45459

**December 11th, Noon EST**

**RFI responses Due**

1195 E Alex Bell Rd, Dayton, OH 45459

**December 18-19<sup>th</sup>**

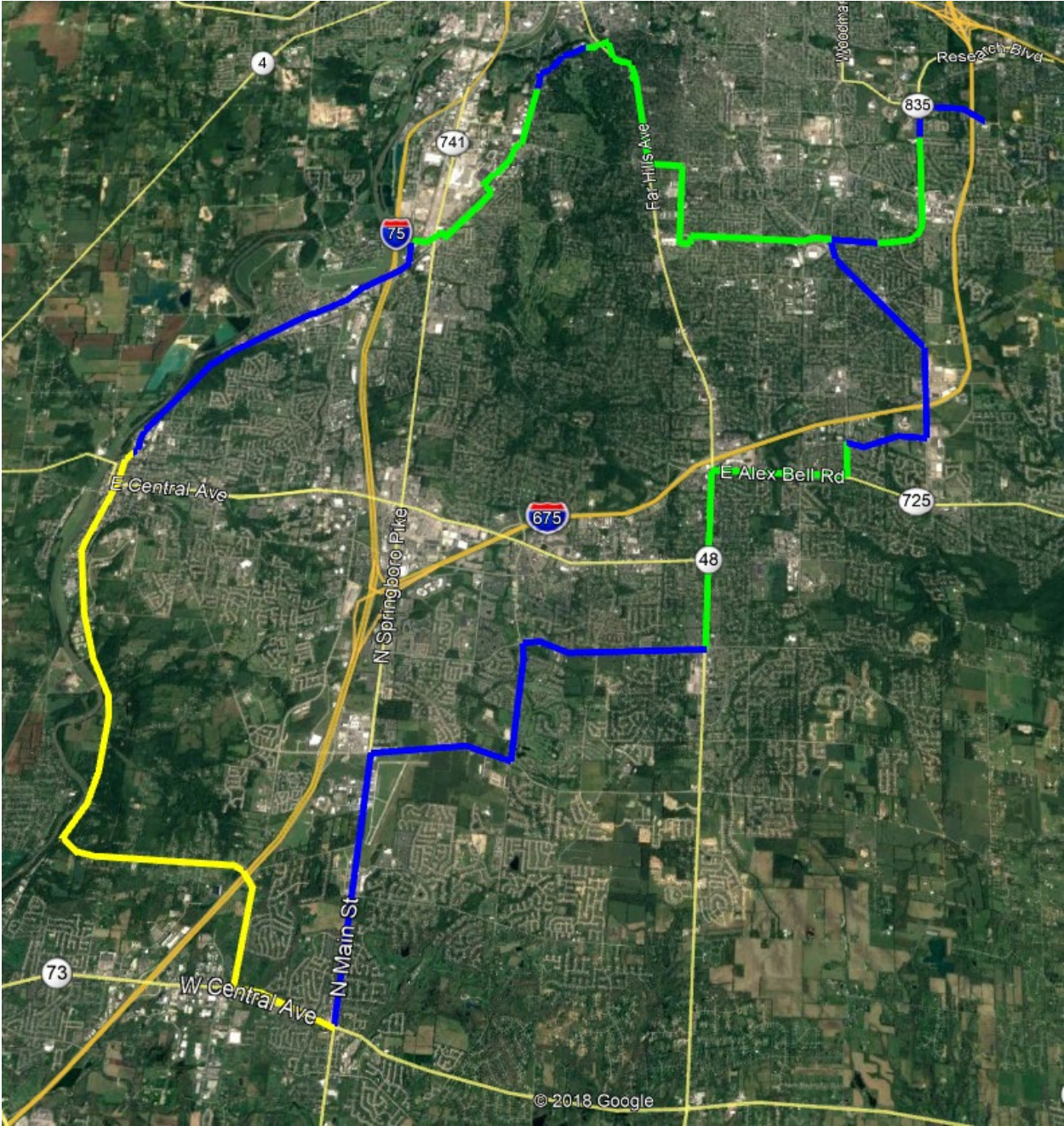
**Selected Responder Presentations**

limited to 1 Hour



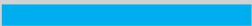
1195 E Alex Bell Rd, Centerville, OH 45459

***Please email your intent to attend the November 28th Q&A Session by November 26th to:  
Brian Humphress – bhumphress@mvcc.net***

**EXHIBIT 1 – FIBER NETWORK MAP**



**Fiber Ring Network**

	<b>Existing</b>
	<b>IFN</b>
	<b>To Be Built</b>

## EXHIBIT 2 – LIST OF FIBER COUNTS BY STREET

- 1) The sections on Exhibit 1 in blue and described as “To Be Built” will contain approximately 230 available fiber strands and one empty conduit. The streets included in these sections include (starting at the top of Exhibit 1, and proceeding counterclockwise):
  - a. West Schantz Avenue in Oakwood
  - b. South Dixie Highway/Central Avenue/North Main Street in Moraine, West Carrollton, and Miamisburg
  - c. North Main Street/Springboro Pike in Springboro and Miami Township
  - d. Austin Drive in Miami Township and Washington Township
  - e. Yankee Road in Centerville and Washington Township
  - f. Spring Valley Pike in Centerville and Washington Township
  - g. Bigger Road in Centerville
  - h. Wilmington Pike in Centerville, Sugarcreek Township, Washington Township, and Kettering
  - i. Stroop Road in Kettering
  - j. County Line Road & Shakertown Road in Kettering & Beavercreek
  
- 2) The sections on Exhibit 1 in green and described as “Existing” will contain:
  - a. Moraine/Kettering segment on S. Dixie Ave - 2 strands total, 0 available\*
  - b. W Schantz/Far Hills/Dorothy/Shroyer (North of Gov Center)- 2 strands total, 0 available\*
  - c. Shroyer (S of Gov Center)/E Stroop (to Woodman) - 2 strands total, 0 available\*
  - d. E Stroop (at Braddock)/County Line Rd segment in Kettering- 16 strands total, 4-6 available\*\*
  - e. Alex Bell/48 in Centerville- 16 strands total, 4-6 available.\*\*

\* MVCC plans to overbuild these sections to contain an available 230 strands as well as an extra conduit at some point, but probably not in the near future.

\*\*MVCC plans to overbuild these sections to contain an available 230 strands as well as an extra conduit at some point; responses to this Request may cause this construction to occur in the near future.
  
- 3) The sections on Exhibit 1 in yellow and described as “IFN” will contain:
  - a. 12 strands total, 2-8 available.