



MID-OHIO REGIONAL  
**MORPC**  
PLANNING COMMISSION

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**NOTICE OF A MEETING**  
**REGIONAL MUNICIPAL FIBER STRATEGY WORKING GROUP**  
MID-OHIO REGIONAL PLANNING COMMISSION  
111 LIBERTY STREET, SUITE 100, COLUMBUS, OHIO 43215  
MUSKINGUM CONFERENCE ROOM

**November 8, 2019, 9:00 am – 10:30 am**

**AGENDA**

- 1. Welcome & Group Administration**
- 2. Outcome of Presentation at November 1 COMMA Meeting**
- 3. Tasks and Timeline**
- 4. Other Business**
  - a) Cadence and Schedule of 2020 Meetings
- 5. Adjourn**

Please notify Lynn Kaufman at 614-233-4189 or LKaufman@morpc.org to confirm your attendance for this meeting or if you require special assistance.

**The Date and Time of the next Meeting of the  
Regional Municipal Fiber Strategy Working Group  
will be December 10, 2019, at 10:30 am.**

111 Liberty Street, Suite 100, Columbus, Ohio 43215

**PARKING AND TRANSIT:** When parking in MORPC's parking lot, please be sure to park in a MORPC visitor space or in a space marked with a yellow "M". Handicapped parking is available at the side of MORPC's building. MORPC is accessible by CBUS. The closest bus stop to MORPC is S. Front Street & W. Blenkner St. Buses that accommodate this stop are the Number 61 - Grove City, the Number 5 - West 5th Ave. /Refugee, and the Number 8 - Karl/S. High/Parsons. One electric vehicle charging station is available for MORPC guests.

**William Murdock, AICP**  
*Executive Director*

**Rory McGuinness**  
*Chair*

**Karen J. Angelou**  
*Vice Chair*

**Erik J. Janas**  
*Secretary*



Mid-Ohio Regional Planning Commission  
111 Liberty Street  
Columbus, Ohio 43215

Regional Municipal Fiber Strategy Working Group  
Meeting Notes

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October 9, 2019, 3:30 pm

Members Present

David George, City of Columbus  
Jay Knox, One Columbus

Gene Oliver, Chair, City of Worthington  
Sam Orth, City of Columbus

Members Calling In

Brad Ebersole Consolidated Electric  
Cooperative, Inc.

Todd Hurley, Grove City  
Todd Jackson, City of Westerville

MORPC Staff Present

Lynn Kaufman

Cheri Mansperger

Aaron Schill

**Meeting Called to Order at 3:40 pm.**

**Welcome & Group Administration**

Members and staff introduced themselves.

Regional Data Advisory Committee Update

Chair Oliver shared his notes from September 24 Regional Data Advisory Committee (RDAC) Meeting. RDAC members reviewed the current fiber map showing interconnecting points and suggested that the Working Group develop an inventory of shared use cases to create a fiber ring around 270. RDAC Members also discussed facilitating connections, identifying gaps, and devising a plan to light the fiber to be used primarily by municipalities.

**Prepare for Presentation at November 1 COMMA Meeting**

Chair Oliver and Aaron Schill will discuss the background of the Regional Municipal Fiber Strategy at the November 1 Central Ohio Mayors & Managers Association (COMMA) meeting. They will explain that this idea has been discussed for over a year and has come out of a group that has been meeting for several years to encourage collaboration around municipal technology (RDAC). They will also share the current municipal fiber map recently developed by MORPC to show the diversity of potential benefits.

Sam Orth noted that a project like this may have never been done before. Ohio is one of only a handful of states with municipalities that are allowed by law to own fiber. The mapping and inventory could be strictly used by communities themselves, rather than publicly marketed.

Identify Specific Use Cases for the Presentation

Aaron suggested that one use case for each of two broad categories be presented to COMMA, and then two to three bullet items for each. He also suggested allocating five minutes to review the background of the Municipal Fiber Strategy, and then five minutes for each use case.

Disaster Recovery / Preparedness Use Case

Todd Jackson will forward talking points regarding the disaster recovery / preparedness use case to Aaron.

Public Safety

Sam Orth and Todd Hurley volunteered to write talking points regarding the public safety use case.

Members discussed presenting the idea of having a closed network to share sensitive and private data for law enforcement use. Confidential law enforcement information is currently traversing the commercial internet, which opens up a potential security problem. If the data was on an internal private system, it would be more secure. Essentially there would be a region-wide network with multiple governments and private data sharing between the jurisdictions.

This use case will give the COMMA members a very clear picture for solving a potential problem.

Regional Economic Development Use Case

Members discussed the possibility of using the municipal fiber for future economic development and how to present a regional economic development use case to COMMA. The consensus among Working Group members is that having a connected backbone of fiber will spur economic development.

Members discussed posing to COMMA the question of whether regional economic development is a model to be focused on. The subject of economic development is one of the potential opportunities that is created by developing a regional network and a regional partnership. The capability that would be built in for government use in terms of sustainable capability could potentially be used to leverage economic development.

Aaron noted that regarding the economic development perspective, at this point it is simply one of the key potential opportunities in doing this rather than a clear use case. The mayors and managers are only being asked to buy into the regional collaboration and for their support behind this Working Group.

Members decided to present the Public Safety and Disaster Recovery / Preparedness Use Cases at the November 1 COMMA meeting.

Develop model for incremental adoption

Members discussed developing tiers of agreements for adoption of the Municipal Fiber Strategy. Participating communities will first sign a Memorandum of Understanding, and when the network begins to develop and more detailed data is shared, there will be another tier where a community will sign a Non-Disclosure Agreement to allow for access.

**Adjourned at 4:44 pm.**

**Tentative 2020 Meeting Schedule**  
**Regional Municipal Fiber Strategy Working Group**  
**11/5/19**

All meetings to be held at MORPC

Friday.....	January 10 .....	9:30 am – 11:00 am
Friday.....	February 13.....	9:30 am – 11:00 am
Friday.....	March 20 .....	9:30 am – 11:00 am
Wednesday.....	April 22 .....	9:30 am – 11:00 am
Wednesday.....	May 27 .....	9:30 am – 11:00 am
Friday.....	June 26 .....	9:30 am – 11:00 am



# Central Ohio Data, Fiber, Infrastructure Sharing

COMMA Meeting – November 1, 2019



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# Municipal Fiber Sharing Background



MORPC

- Initially conceived of by Central Ohio Systems Management Organizational Sharing (COSMOS) group
- Specific municipal fiber strategy meetings held in late 2018
- Adoption of MORPC Regional Data Agenda
- Incorporation into Regional Data Advisory Committee and creation of working group





# Goals

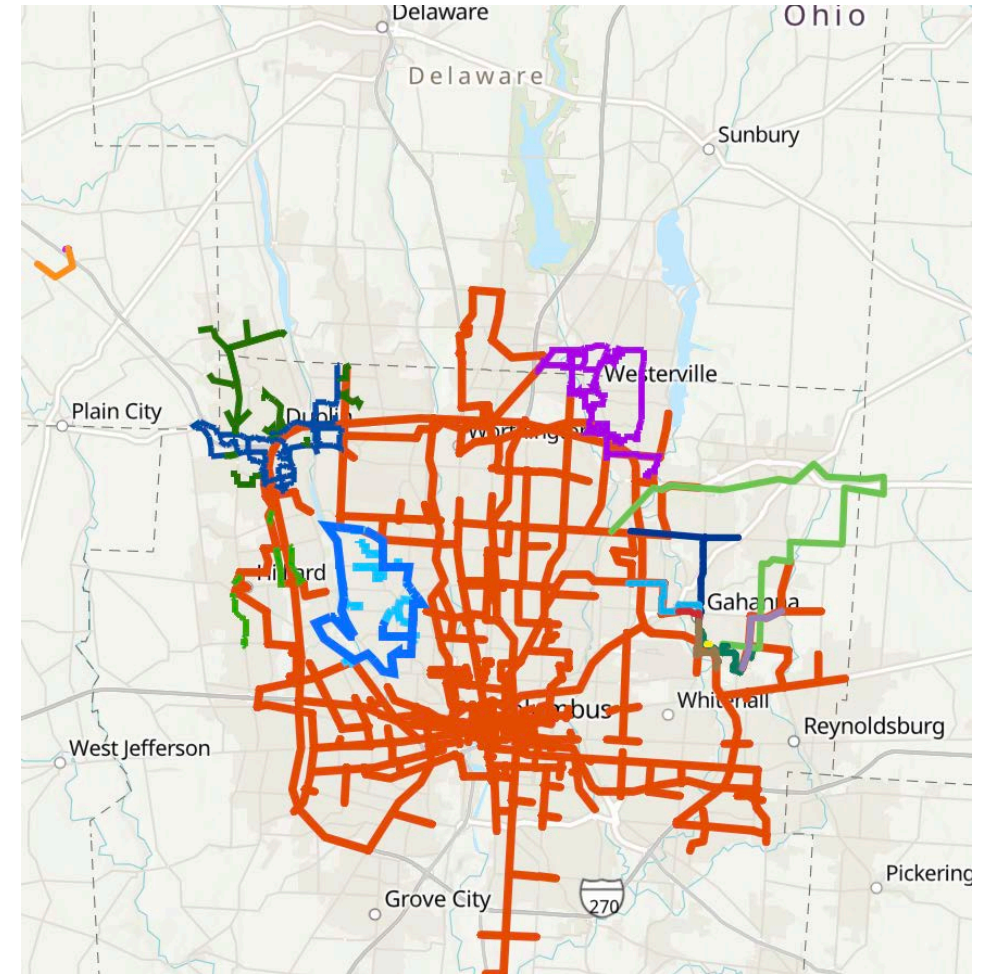


- Two Priorities Emerged From the Fiber Working Group
  - Regional Fiber Mapping Clearinghouse
  - Implement a Shared, Regional Inter-governmental Private Network
    - Use Case: Business Continuity Management
    - Use Case: Public Safety Data Sharing

# Regional Fiber Mapping Clearinghouse



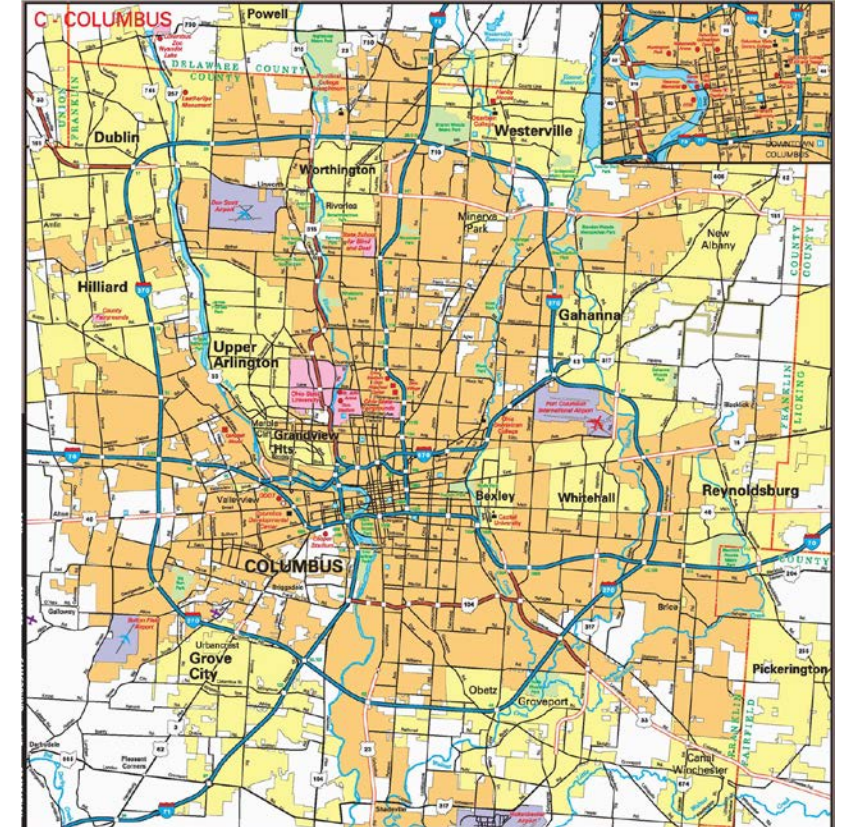
- Today
  - Rudimentary view of city owned fiber assets
- Goal
  - Provide a consolidated view of fiber assets and usage polices to showcase the region's investments in fiber to help achieve regional economic development goals
- How
  - Develop a framework for collaboration and sharing
  - Define the scope of information to share
  - Develop data governance, access and management guidelines
  - Recommend methods for operationalizing the data



# Shared, Regional Private Network



- Proposal
  - Implement shared, regional, inter-governmental private network
- Purpose
  - Enhanced network resiliency, security, and privacy compared with public internet
  - Provides the fundamental building block for other shared services and infrastructure
  - Potential for cost reduction through elimination of other network services
- Use Cases
  - Public Safety Data Sharing \*
  - Business Continuity Management \*
  - Traffic Management and Signaling



\* See provided white papers



## Plan and design for resilience

People, process and technology to ensure services are available during and after an catastrophic event

Includes natural disasters, data breaches, fire, acts of terrorism



## BCM is comprehensive

Disaster recovery  
Business recovery  
Crisis/emergency management  
Incident management



## Sustaining operations

Assure essential services are operational

- Administration
  - Communications with the Public and Regional Entities
  - Life Safety
  - Public Service/Works
- Business as usual functions
- Paying employees & vendors
  - Tax collection and processing
  - Billings for utilities

# Use Case: Business Continuity Management (BCM)

# Use Case: BCM



- Capabilities
  - 911 call rerouting including load balancing between PSAPS
  - Connecting EOCs
    - Coordinating response
    - Shared EOC hotspots
  - Provide redundancy and diversity for existing network connectivity
    - Regional and national data center and cloud service providers
  - Enable connectivity to other governmental and non-governmental office space to sustain critical service operations
- Beyond the Network
  - Sharing BCM best practices, guidelines and templates
  - Develop shared infrastructure and service models





# Use Case: Public Safety Data Sharing



## Benefits

More resilient and secure network

Facilitates the development of data sharing agreements with the goals of:

1. Improving service delivery quality
2. Reducing service delivery cost
3. Using regional data to plan long-term delivery and integration strategies



## Computer-Aided Dispatch/911

Dispatching & 911 calls for townships and some suburbs communities

Opioid runs for remediation efforts

Regional Emergency Management and Response



## Police

Arrest/Case data for prosecution purposes

Fingerprinting data for some local cities and Central Ohio counties

Video data for prosecution purposes

Training – CPD Academy trains for some local agencies

Run Report data for State



## Fire Data

Opioid/Narcan administration data for remediation efforts

Mutual Aid for other agencies in the metro area

Run data for State

Run data for other health efforts

## Next Steps



MORPC

- Seeking conceptual support from COMMA to continue developing shared municipal fiber strategy and use cases
- Refinement of use cases and definition of scope, roles, timeline, and budgets
- Development of MOU between participating jurisdictions
- Development of NDA to allow sharing of detailed data about fiber networks among partners

## AARON SCHILL

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