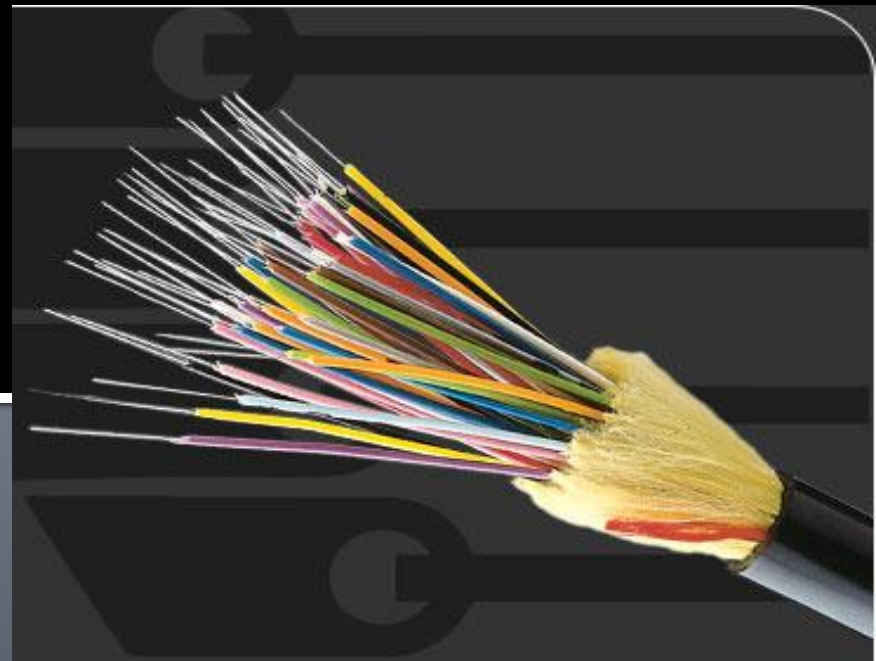




# Fiber Optic Master Plan & Beyond



A Presentation of the Fiber Optic Master Plan,  
Municipal Network Fiber Optic Design, and the Future

# PROJECT HISTORY

- City began exploring fiber optic networks after Y2K.
  - Analyzed FTTX deployments in NMC – OntarioNET
- Today's vision - build network in OMC and NMC
  - Support Internal Comm., AMR/AMI, Traffic Engineering, CCTV, Wi-Fi, Security Systems
  - Potential for FTTX, Broadband, Layer 2 Transport, Dark Fiber
  - Economic Development Advantage – Grow Industries, Jobs, and Residents
  - Prepare for industries that demand hi-speed internet/data

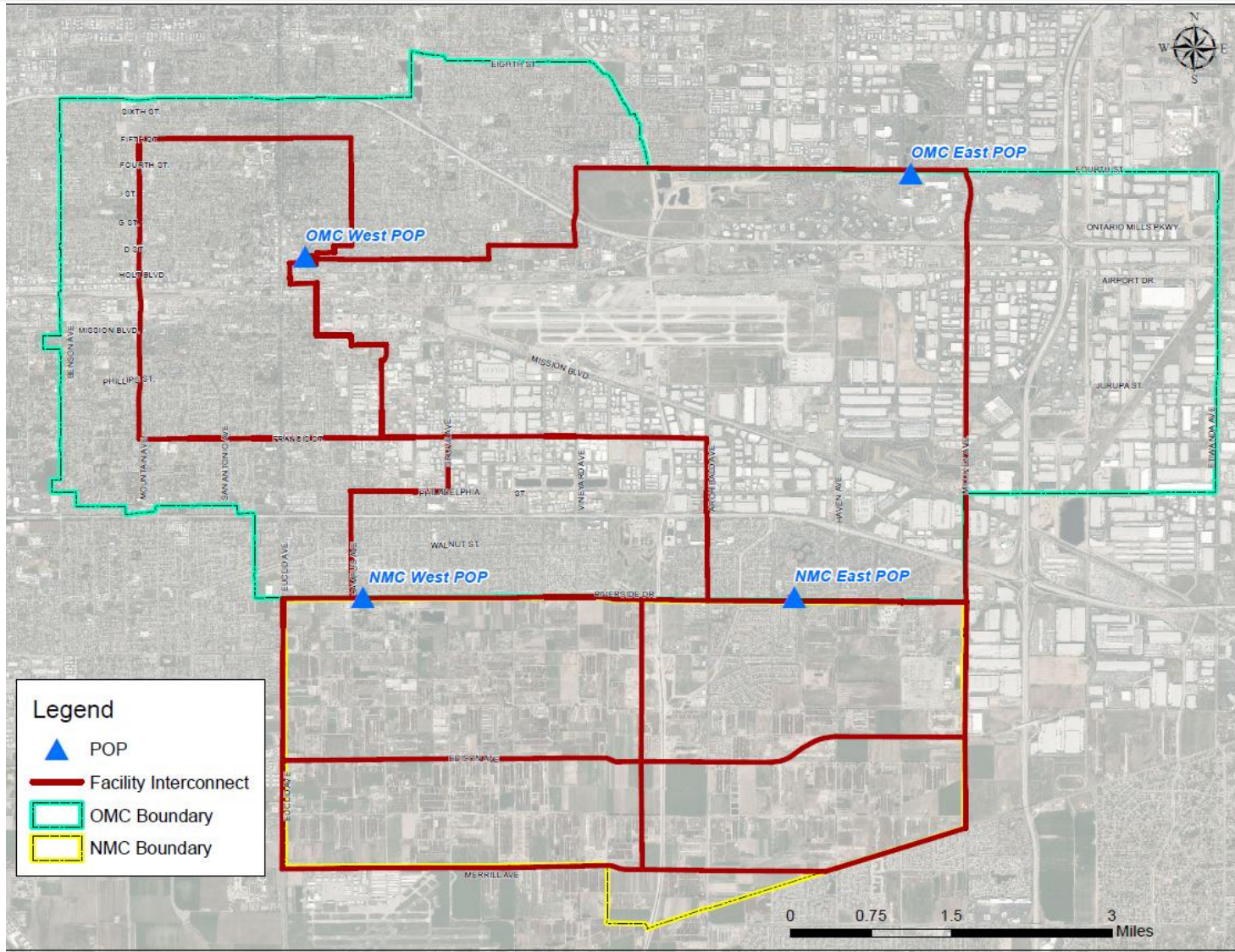
# PROJECT HISTORY

- FOMP RFP Issued = 01/2012
- FOMP Completed & Adopted = 10/2013
- Municipal Fiber Design RFP Issued = 12/2013
- Municipal Fiber Design Award<sub>(proposed)</sub> = 4/2014

# MOVING FORWARD

- Construction (approx. 1Q of 2015)
- Facilitate Internal Communications Needs
  - Interconnect business units' facilities; reduce telecom costs
  - Opportunities for services typically unattainable
  - Implement and operate robust fiber network
- Business Planning
  - Analyze/Research business opportunities

# OMC/NMC PROPOSED FACILITIES



# BACKBONE RING CONSTRUCTION

- Engineering Department to administer the POP construction, conduit placement and fiber pulling.
- IT to handle Fiber Network (splicing, connecting, electronics, etc) and GIS Issues
- \$9 million CAPEX Budget Allocation

# OUR NETWORK – NOT MINE

- Building – Structured Wiring Ordinance
- Planning – Future proof / Smart Community
- Engineering – Backbone construction / traffic
- Utilities – Foundation for service / operations
- Library – Distance learning / Internet
- Recreation – Community Centers
- Public Safety – LPR, Command Center, Wi-Fi
- Econ. Dev. – Business attraction, marketable
- IT – Service Delivery, Wi-Fi, CCTV
- Airport - ???

# CAN YOU SEE THE LIGHT?

- Vision – Understanding / Alignment / Focus
- Teamwork – Achieve excellence
- Commitment – Follow through / dedication
- Momentum – Buy in / Interest buzzing