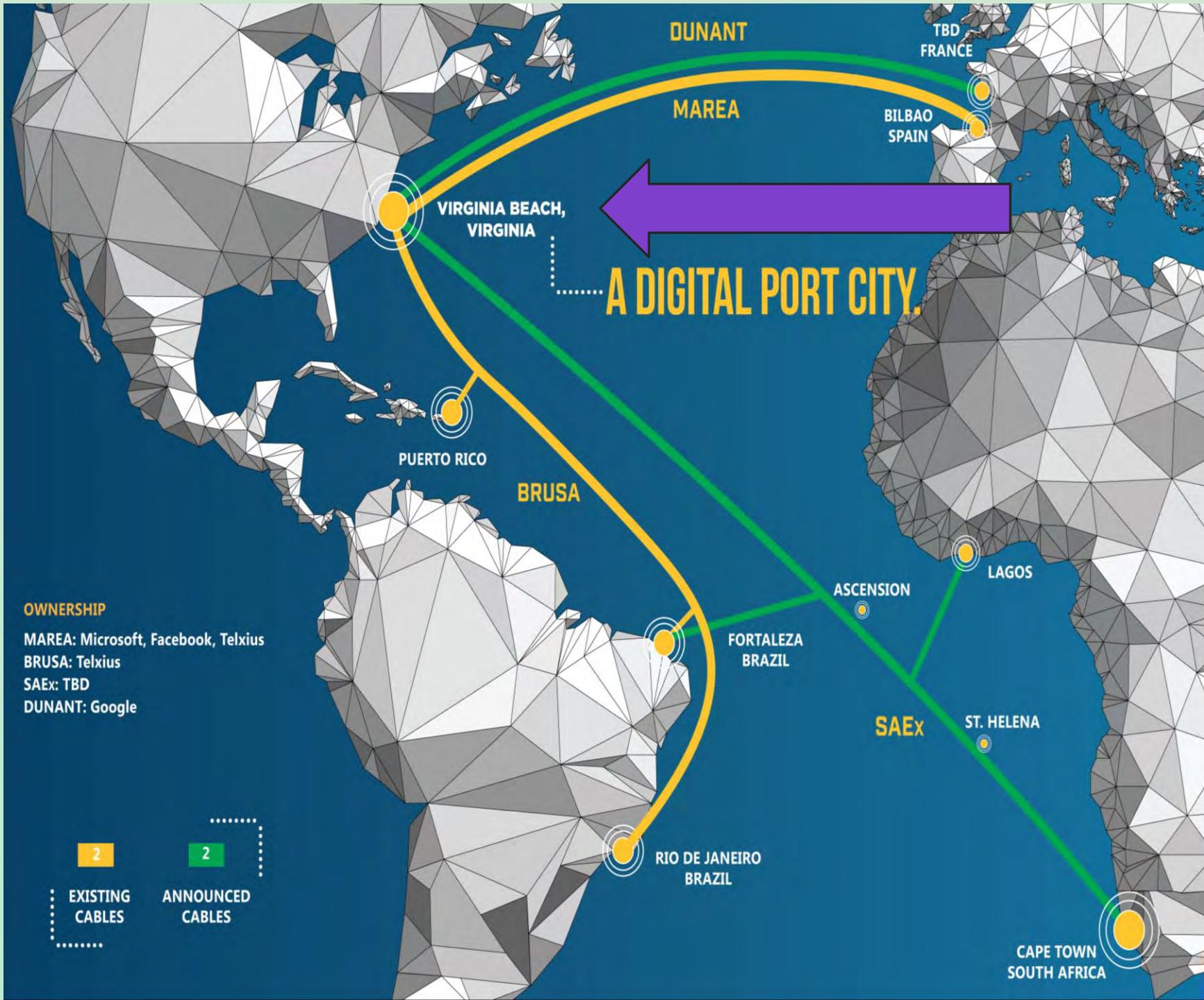


# Regional Broadband Update

Opportunities for Peninsula Localities

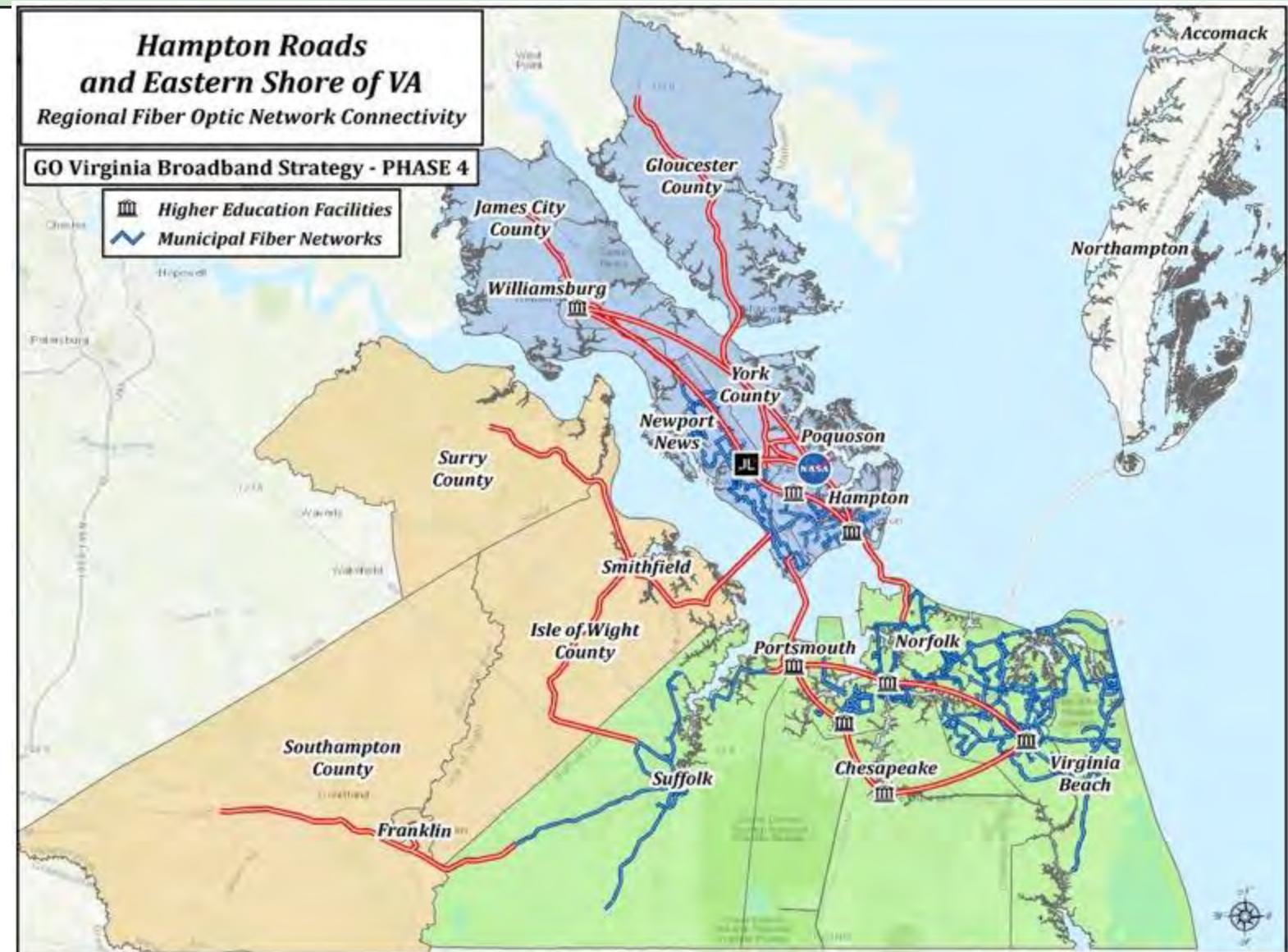
March 18, 2022





## *Our Vision*

Ultimately,  
this will be a  
**Fiber Optic  
Network Ring**  
that will connect our  
entire 757 Region.

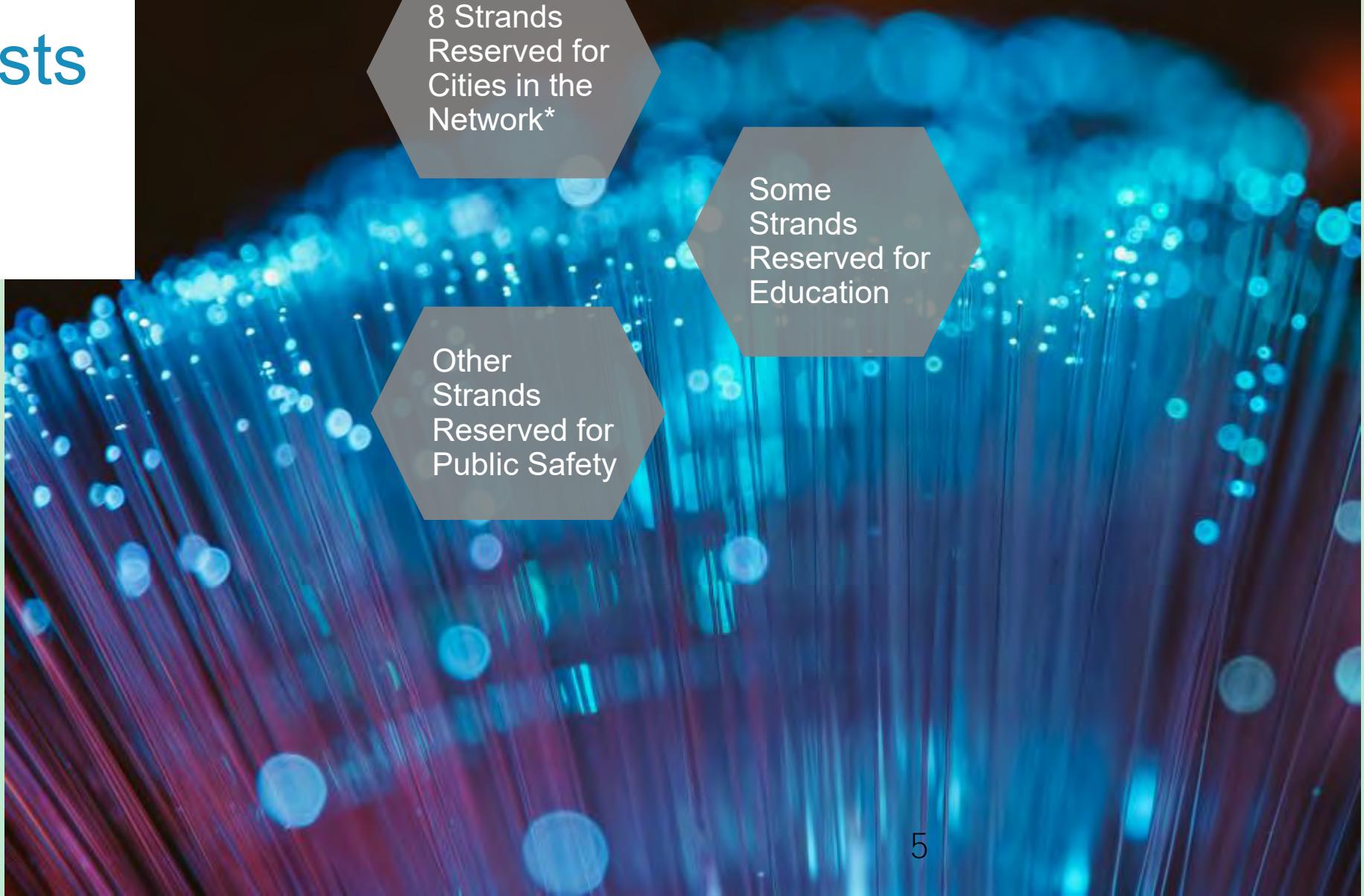


Think National Highway System Without Any Secondary Roads  
*Our Interstates are the Backbone of the Entire U.S. Roadway System*



# Our Digital Highway Consists of 288 Digital Strands

Fiber optics (optical fibers) are long, thin strands of very pure glass about the diameter of a human hair.



8 Strands  
Reserved for  
Cities in the  
Network\*

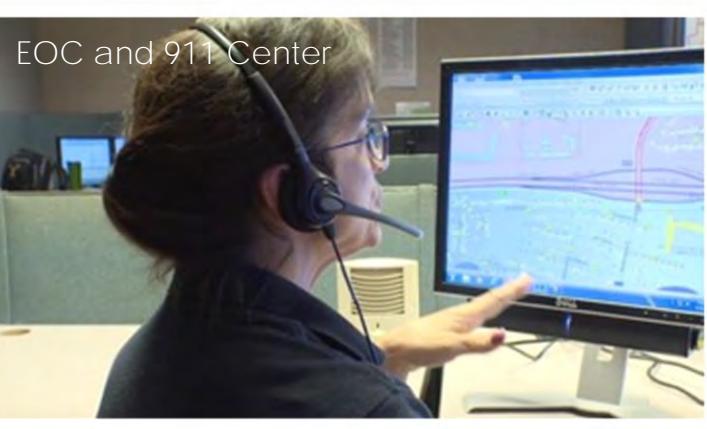
Some  
Strands  
Reserved for  
Education

Other  
Strands  
Reserved for  
Public Safety



The Regional Network Ring Will

# Improve the Interoperability of Our Region's Emergency Response System



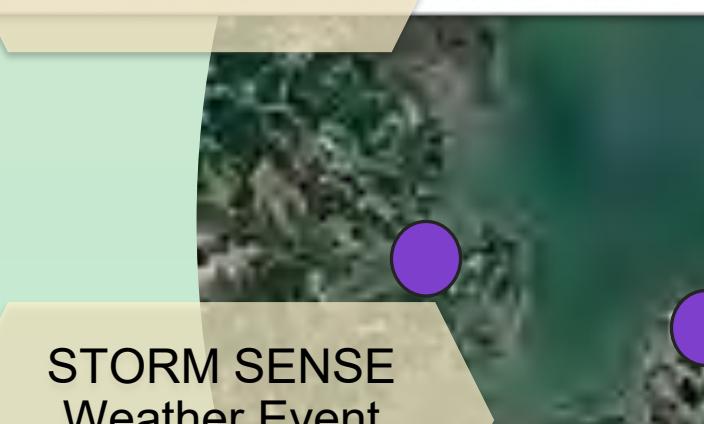
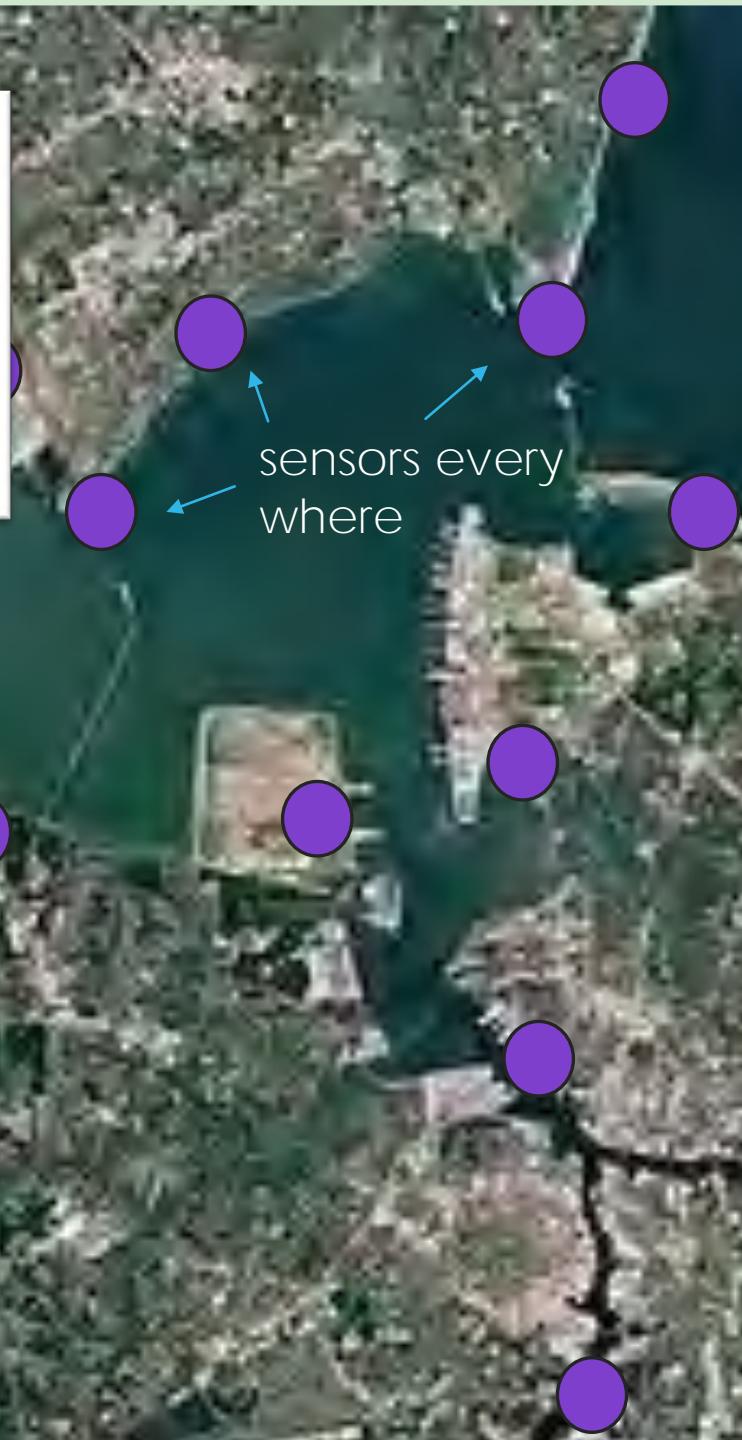


The Regional Network Ring Will

**Help The Region Navigate  
Flooding and Sea Level Rise**



Improving Real Time Response



STORM SENSE  
Weather Event  
Analysis, Maps



TITAN:  
Tidal inundation  
tracking application –  
storm surge tracking



Water Level  
Monitoring  
System(WLMS)



The Regional Network Ring Will  
**Help Support the Future  
of Autonomous Vehicles**

# Southside Network Authority (SNA)

Created November 2019

Chesapeake, Norfolk, Portsmouth, Suffolk and Virginia Beach

SNA goal is to enable lower cost, faster service and enhanced broadband coverage via our Regional Connectivity Ring

Designed to allow for expansion to other localities

Current name a placeholder

# Southside Network Authority

Step 1: Five Southside cities collectively contributed \$500,000 to complete Planning and 30% Design work for the Southside Fiber Ring

Step 2: Five Southside cities acquired the services of Columbia Telecommunications Corporation (CTC) to advance design work to refine routing (economic development areas) 70% construction level design

# Our Team

Steven DeBerry

SNA Executive Director

Columbia Telecommunications Corporation

Construction Oversight and  
Technical Support to SNA

Danella Construction

Construction of Southside fiber  
ring

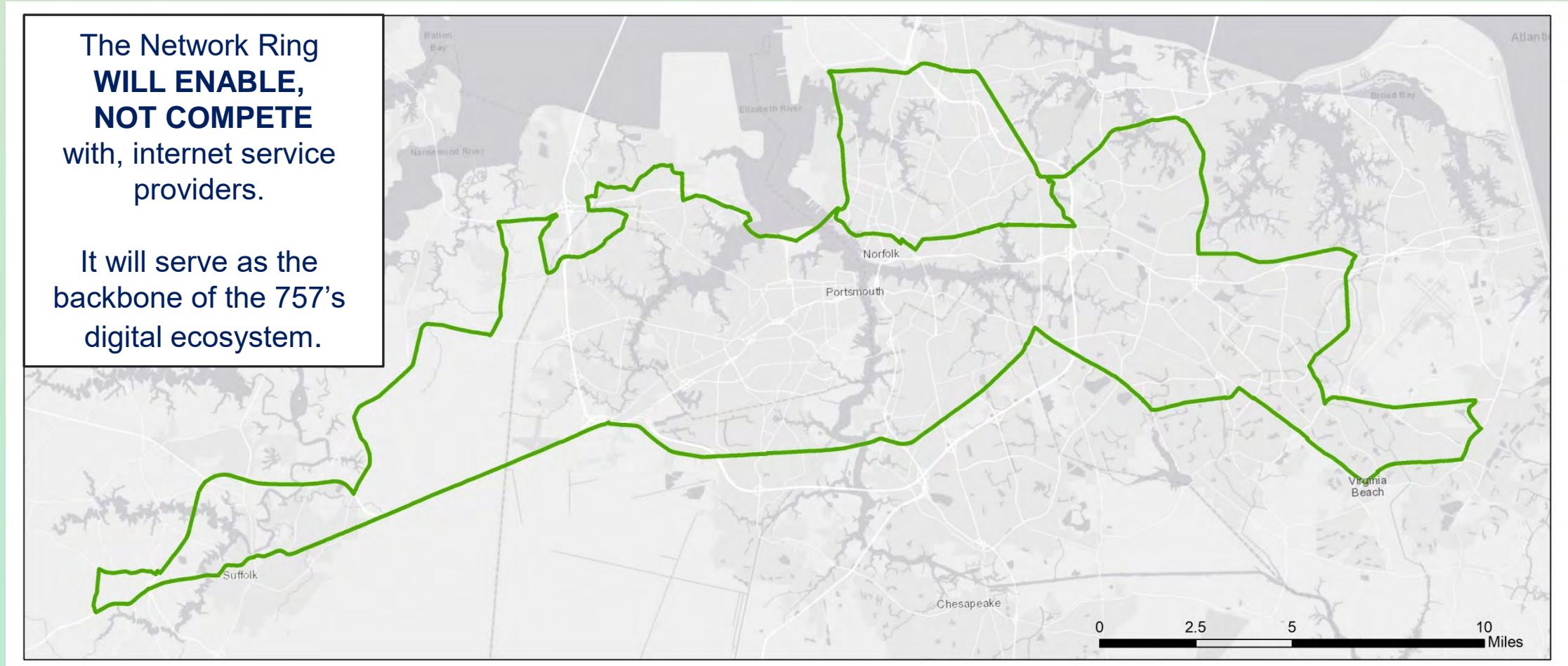
Global Technical Systems

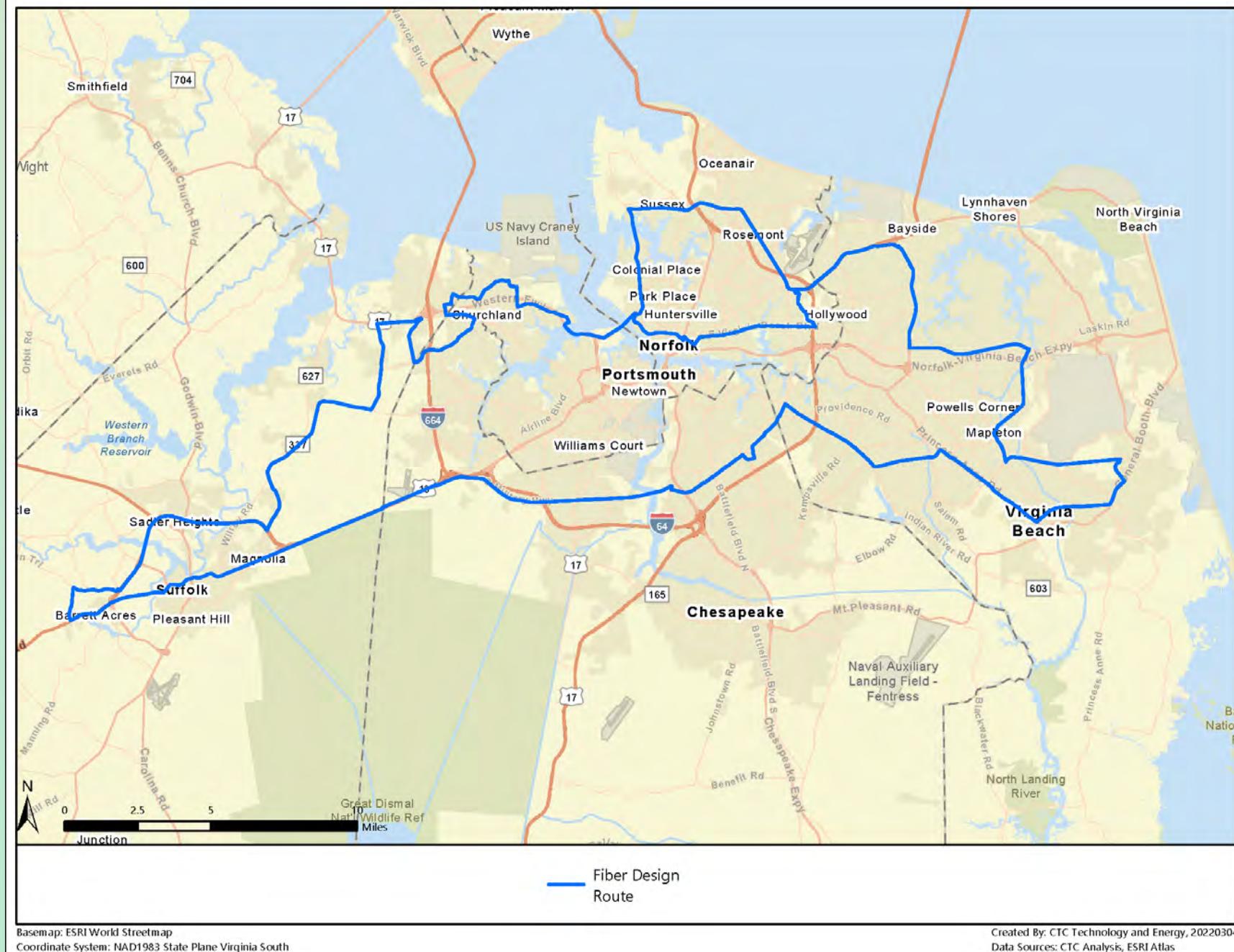
In negotiations for operation  
and maintenance of fiber ring

# Updated Regional Fiber Ring Southside Phase I

The Network Ring  
**WILL ENABLE,  
NOT COMPETE**  
with, internet service  
providers.

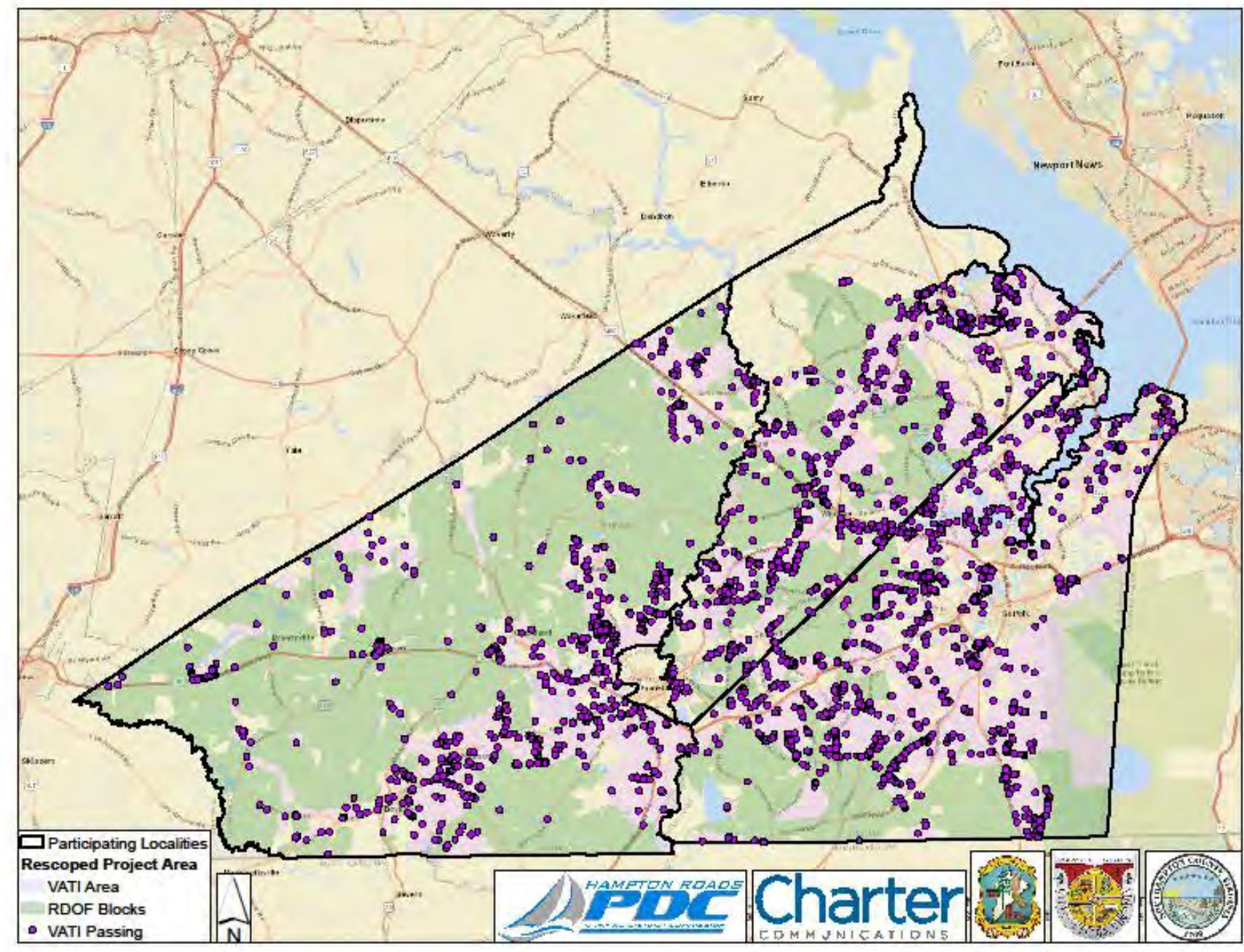
It will serve as the  
backbone of the 757's  
digital ecosystem.





# Fiber Ring Project Participation Agreement





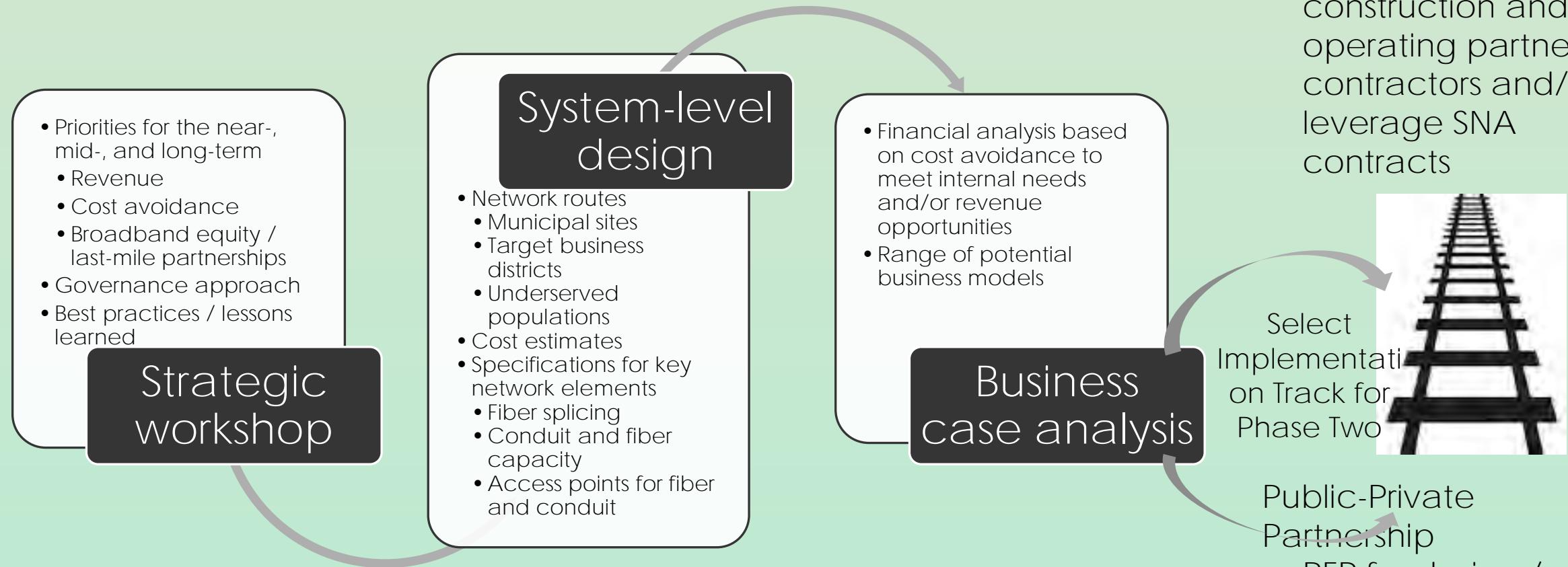
# Peninsula Potential Next Steps

General discussion among Peninsula CAOs (today)

Convene team of IT representatives from each Peninsula locality to evaluate opportunities and make recommendations to CAOs

# Peninsula Strategy - Notional

## Phase One Outcomes



- 100-Percent Design
- RFP(s) for construction and operating partners / contractors and/or leverage SNA contracts



- RFP for design / build / operating partners
- Leverage SNA partnerships