A photograph of a road with trees and a rainbow in the background. The road is paved and has a white line on the left side. The trees are green and brown, and the rainbow is visible in the upper right corner. The text "DEPARTMENT OF PUBLIC WORKS" is overlaid on the image in a large, bold, black font.

DEPARTMENT OF PUBLIC WORKS

1

OVERVIEW

- Opening Remarks – Yob
- Funding Sources – Yob
- Future Projects – Eure
- Bicycle and Pedestrian - Eure
- Transit Overview – Eure
- Transportation Service District - Yob

LONG-TERM NEEDS

- 2014
 - 32 Projects
 - \$418 M
- 2017
 - 45 Projects
 - \$900 M

FUNDING TODAY

- 44 Capital Projects
 - \$175 M
 - \$79 M Federal
 - \$31 M State
 - \$65 M Local

FUNDING TYPES

Regional Surface
Transportation
Program

SMART SCALE

State of Good
Repair

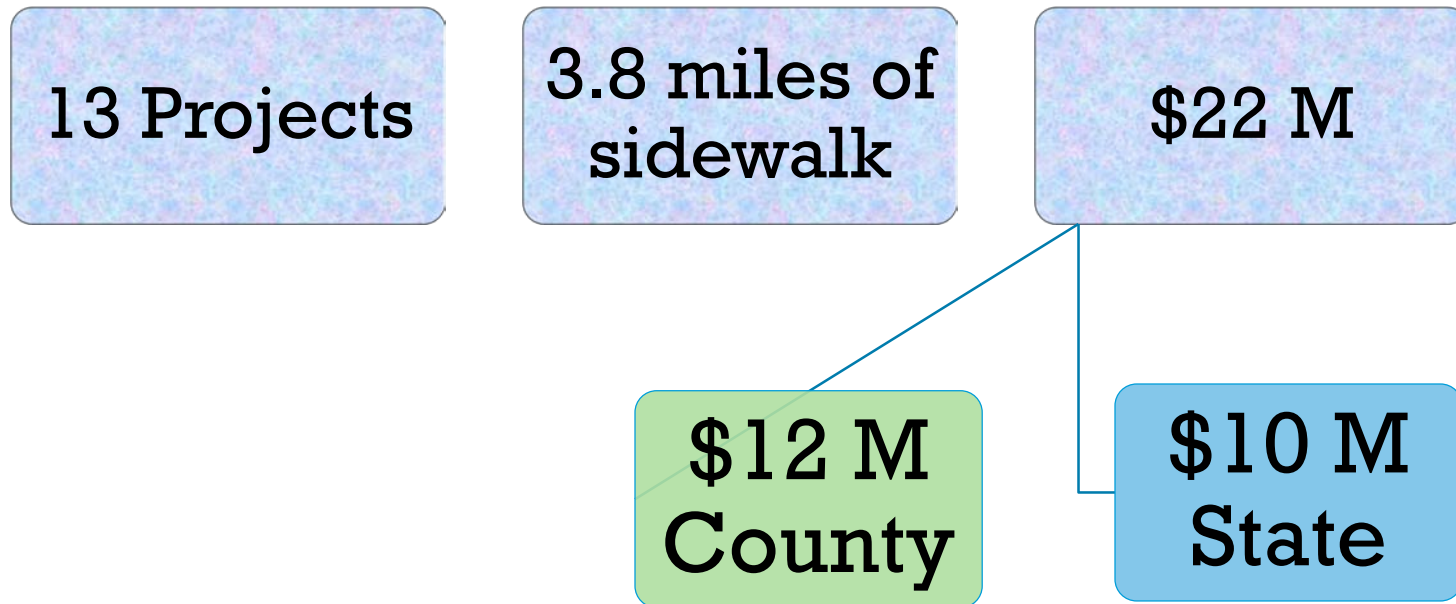
Congestion
Mitigation and Air
Quality

Revenue Sharing

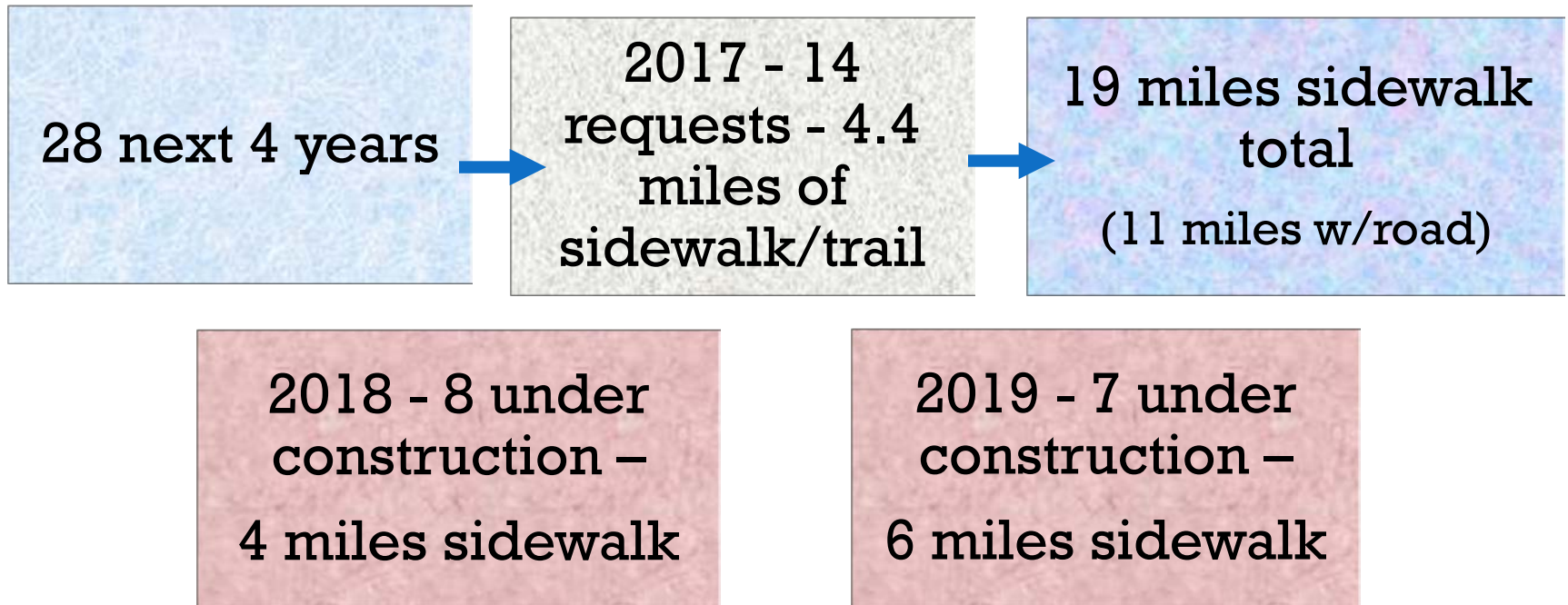
Maintenance

Transportation
Alternatives
Program

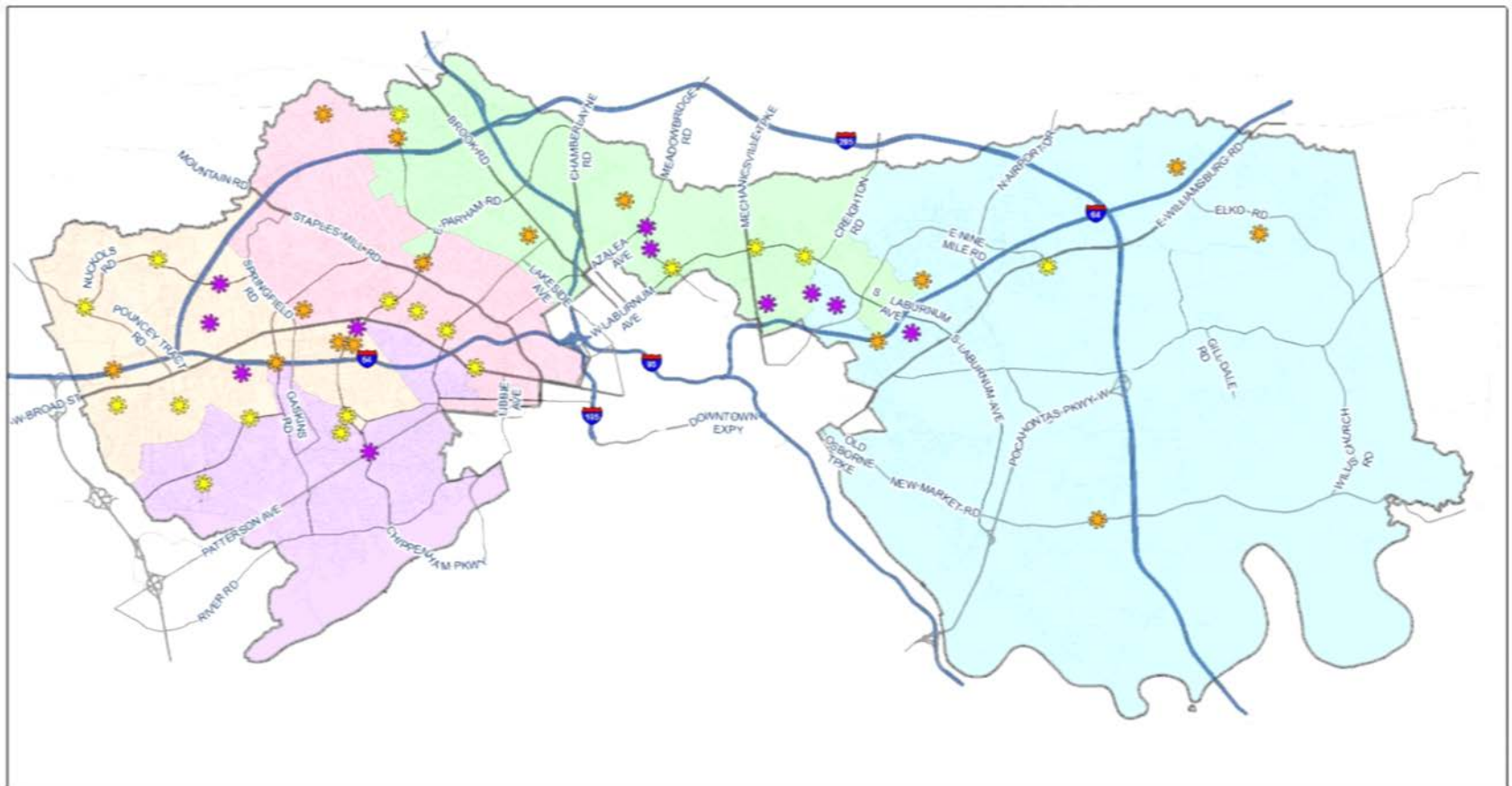
REQUESTED REVENUE SHARE FY 19 & 20



UPCOMING SIDEWALK PROJECTS



FUNDED PUBLIC WORKS PROJECTS



Legend

Brookland	Capital Project	County Boundary
Fairfield	Other	
Three Chopt	Road or Drainage Project	
Tuckahoe	Sidewalk or Trail Project	
Varina		



Funded Department of Public Works Projects



1 in = 2 miles



REQUESTED SMART SCALE PROJECTS

10 Project Max

Schedule

Funding Years

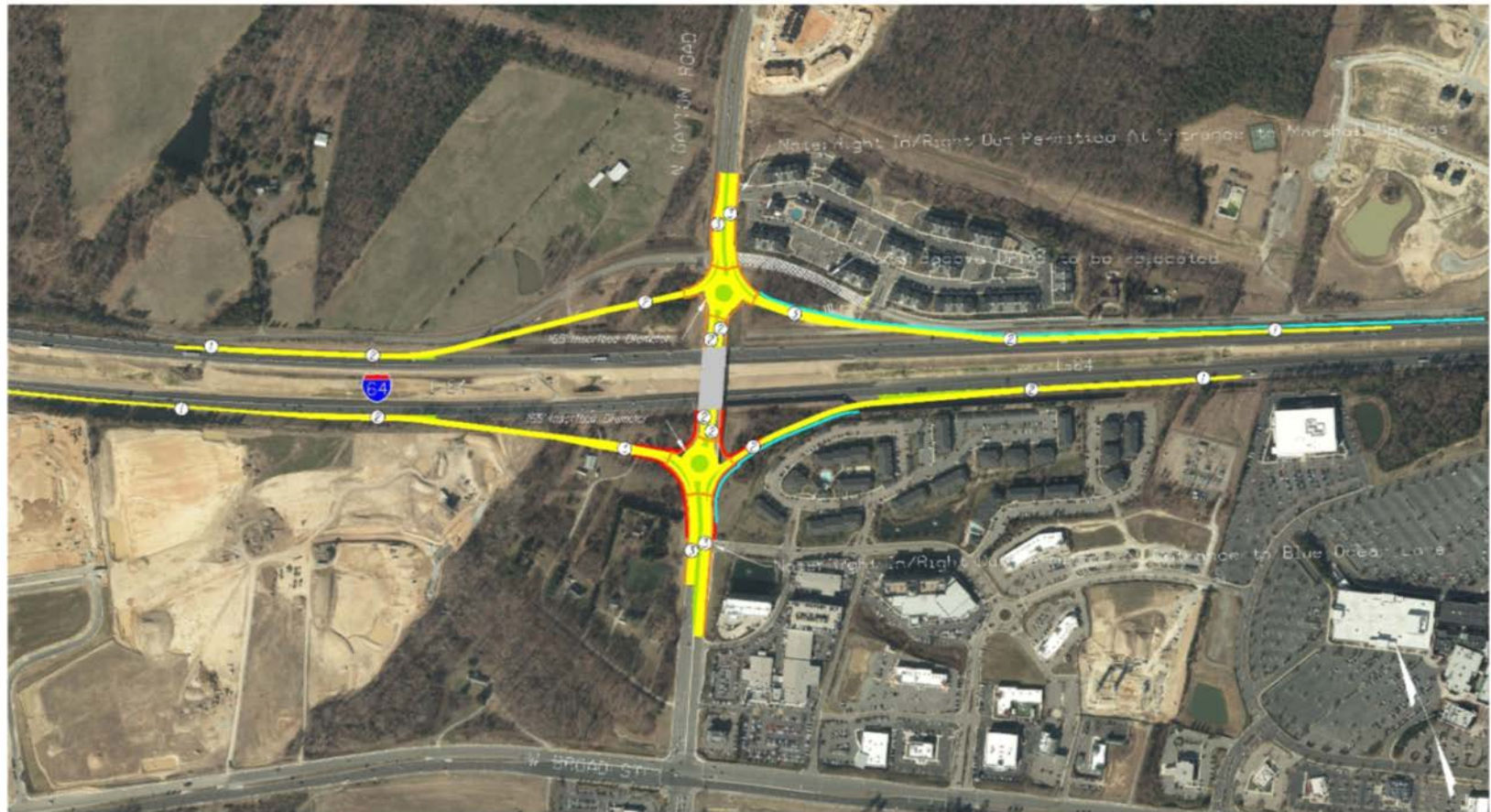
2017 SMART SCALE REQUESTS

- Richmond-Henrico Tpke. – North - \$3.6 M
Funded
- Richmond-Henrico Tpke. – South - \$8.1 M
Funded
- W. Broad Pedestrian & Transit Stops - \$1.4 M
Funded
- Parham Pedestrian & Transit Stops - \$425 k
Funded
- Magellan Pkwy Extension - \$38.6 M
Not funded

2018 SMART SCALE FY2019 - 2020

- North Gayton Road Interchange
- Magellan Parkway Extension
- W. Broad Street – Glenside to Dominion Blvd. (2 Projects)
- W. Broad Street – Short Pump
- Carolina Avenue – Laburnum Ave to Rich-Henrico Tpke
- Parham Road – Homeview Dr to Old Parham Rd
- Williamsburg Rd/Nine Mile Rd/Beulah Rd
- Springfield Rd – Staples Mill Rd to Francistown Rd
- Park & Ride Facilities – GRTC (Libbie Mill) & Rte 1 (North)

PROPOSED N. GAYTON ROAD INTERCHANGE



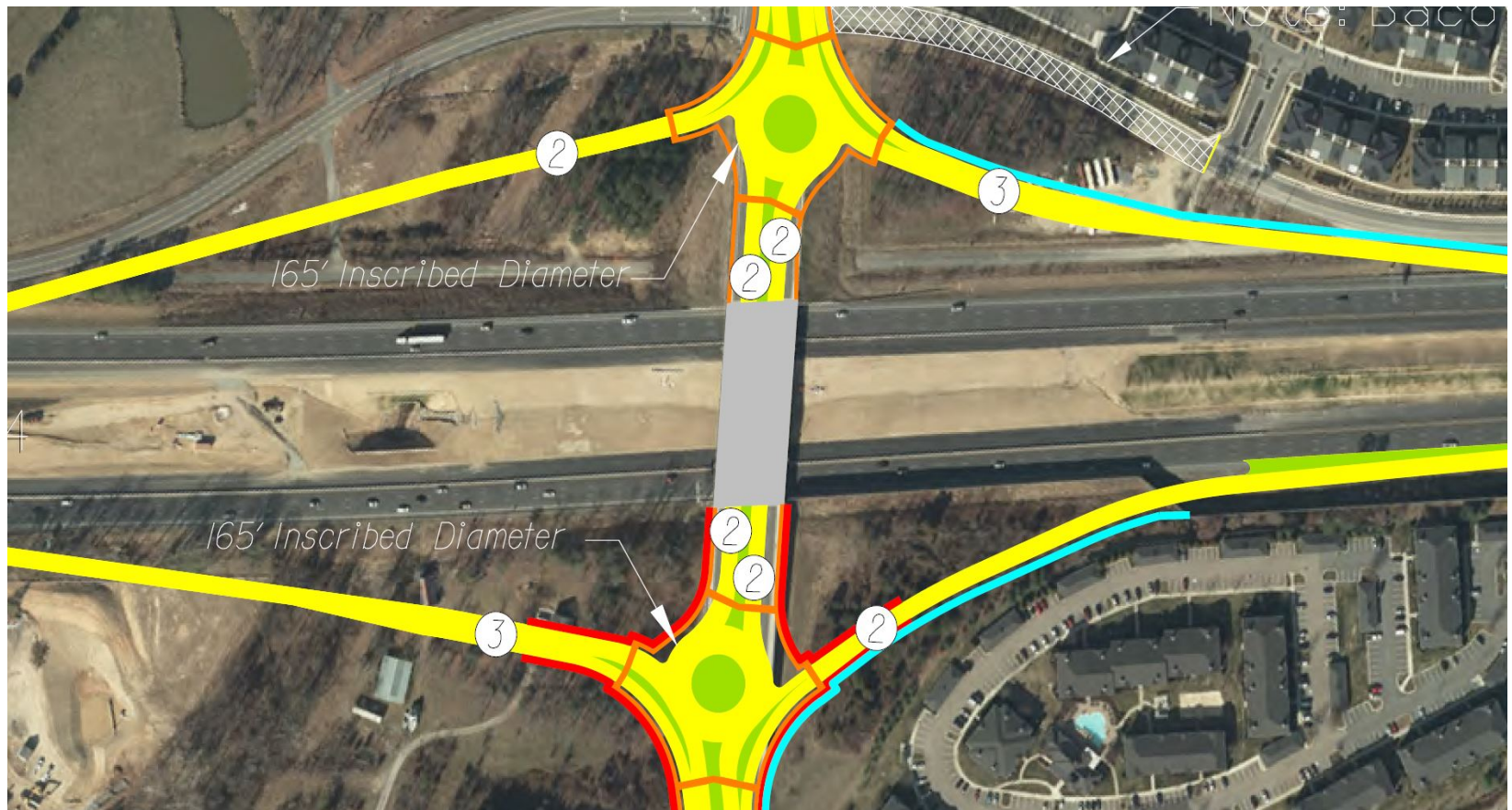
LEGEND

	PROPOSED NEW WORK		PROPOSED BOULEVARD BAY
	PROPOSED LANDSCAPE AREA		PROPOSED SIDEWALK
	EXISTING BRIDGE		PROPOSED ACCIDENTALLY STABILIZED EARTH STRUCTURE

0 400' 800' 1200'

CONCEPT PLAN ALTERNATIVE 3
DOUBLE ROUNDABOUT INTERCHANGE
OCTOBER 2017

PROPOSED N. GAYTON ROAD INTERCHANGE



BICYCLE & PEDESTRIAN EXISTING INFRASTRUCTURE

250 Miles of
sidewalk

1,821 ADA
ramps

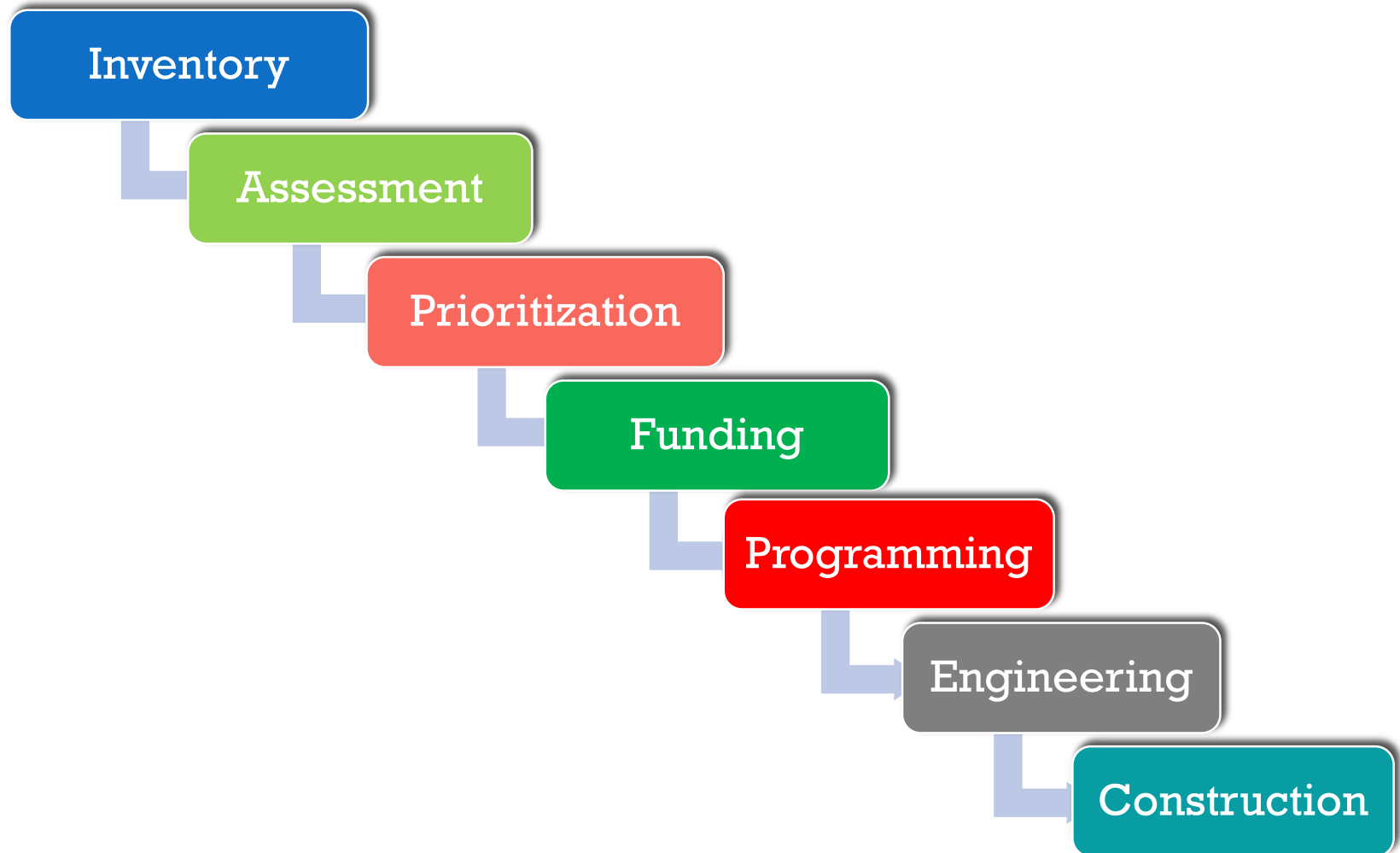
302 marked
crosswalks

19 miles of
multi-use
trails

2 miles of
on-road
bike lanes

40 miles of
trails

BICYCLE & PEDESTRIAN INFRASTRUCTURE DEVELOPMENT



HUCKLEBERRY TRAIL PEDESTRIAN BRIDGE CHRISTIANSBURG, VA

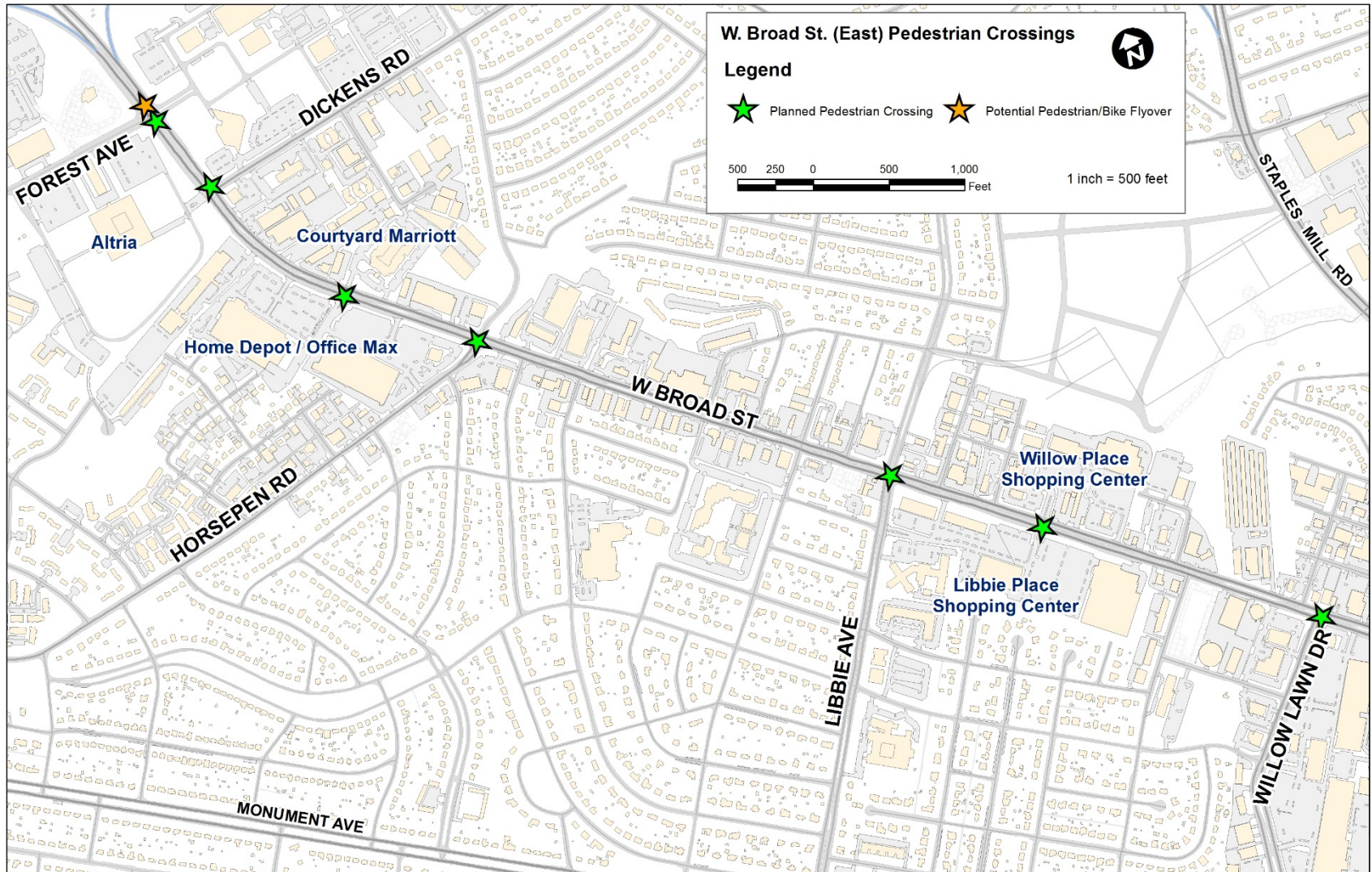


HUCKLEBERRY TRAIL SIDE VIEW



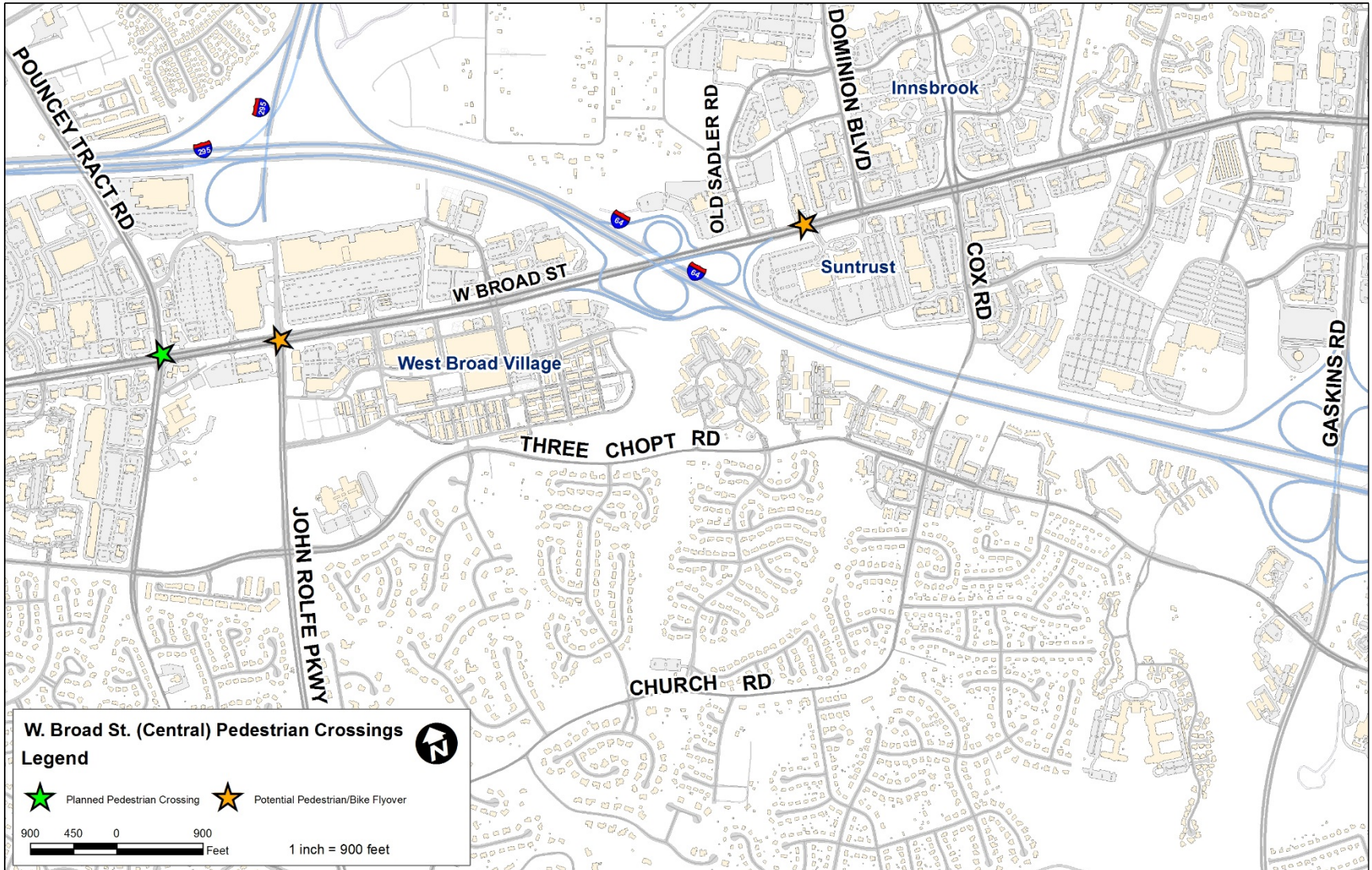
PEDESTRIAN CROSSINGS – AT-GRADE AND SKYWALKS

WILLOW LAWN TO FOREST AVE



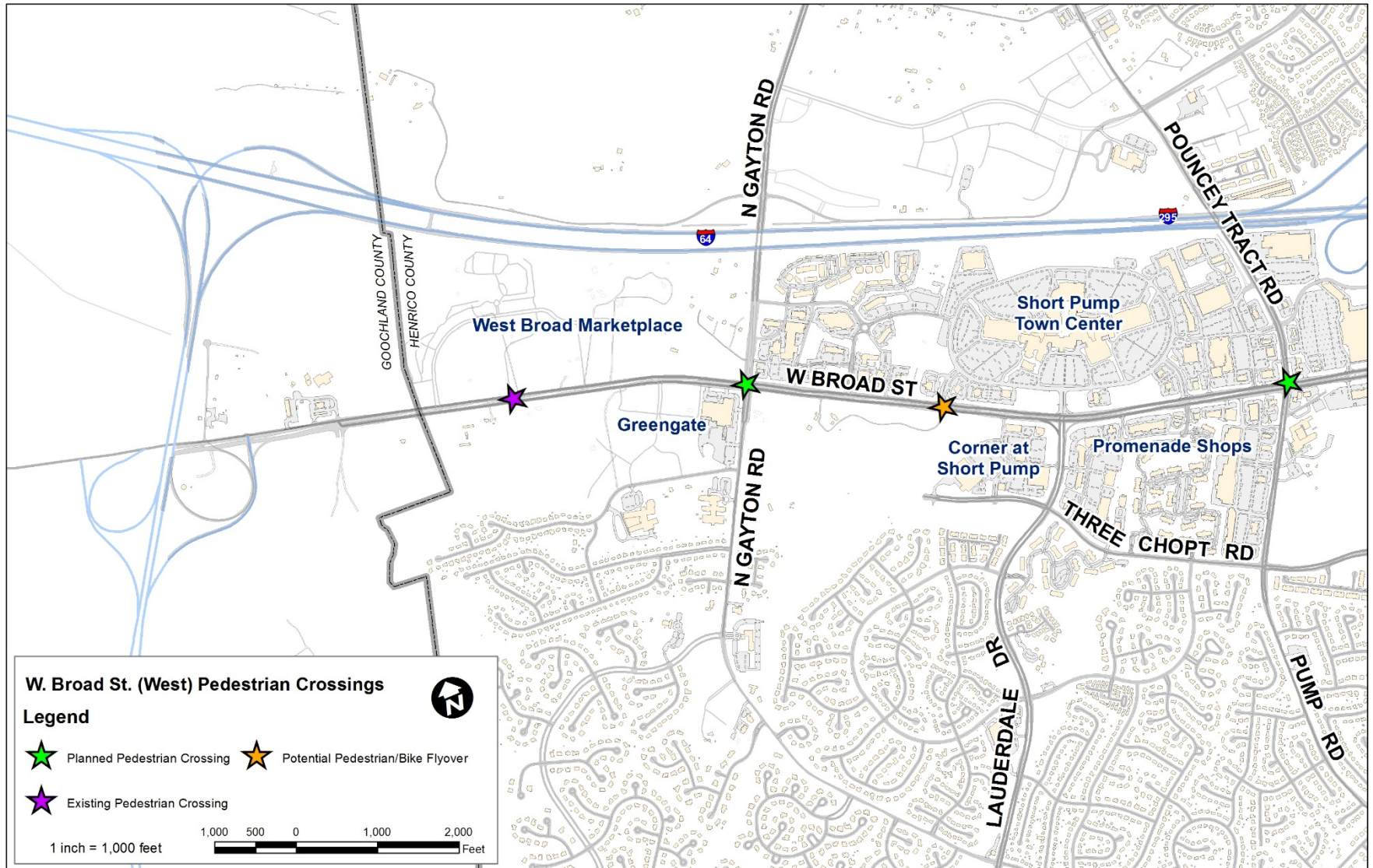
PEDESTRIAN CROSSINGS – AT-GRADE AND SKYWALKS

INNSBROOK TO PUMP ROAD



PEDESTRIAN CROSSINGS – AT-GRADE AND SKYWALKS

PUMP ROAD TO COUNTY LINE



FUTURE CONSIDERATIONS



Lane Diets

Neighborhood
Greenways

Multi-Use
Trails



LANE DIETS

- Park Terrace Dr. first example
- 40-ft wide roads without parking
- 4-lane undivided roads

NEIGHBORHOOD GREENWAYS



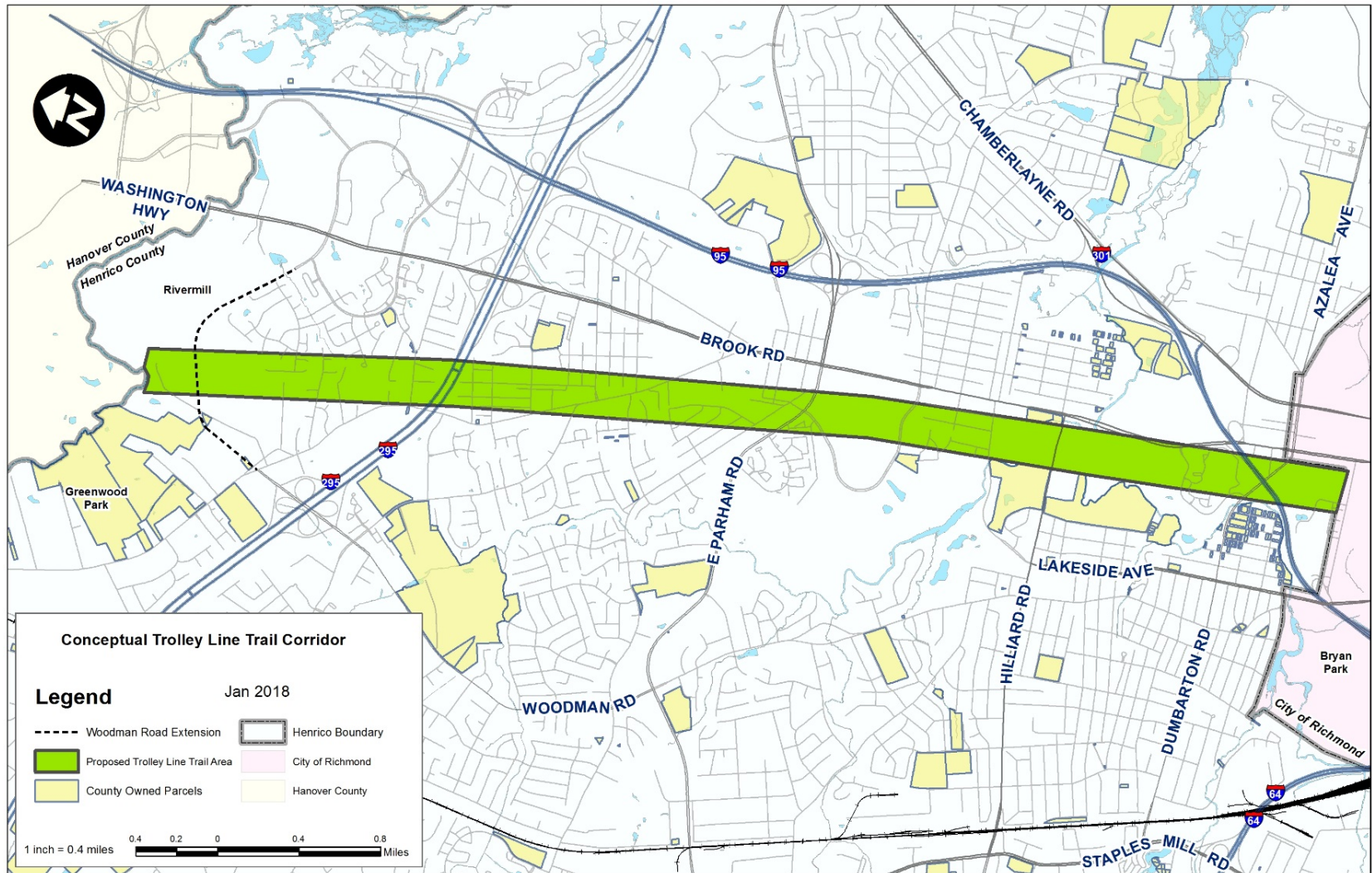


MULTI-USE TRAILS

- Unused Right-of-Way
- Parks
- HOA property
- \$2 M/mile
- Suited to TAP grants

POTENTIAL TROLLEY LINE TRAIL

EAST COAST GREENWAY



TRANSIT OVERVIEW

Ridership Trends

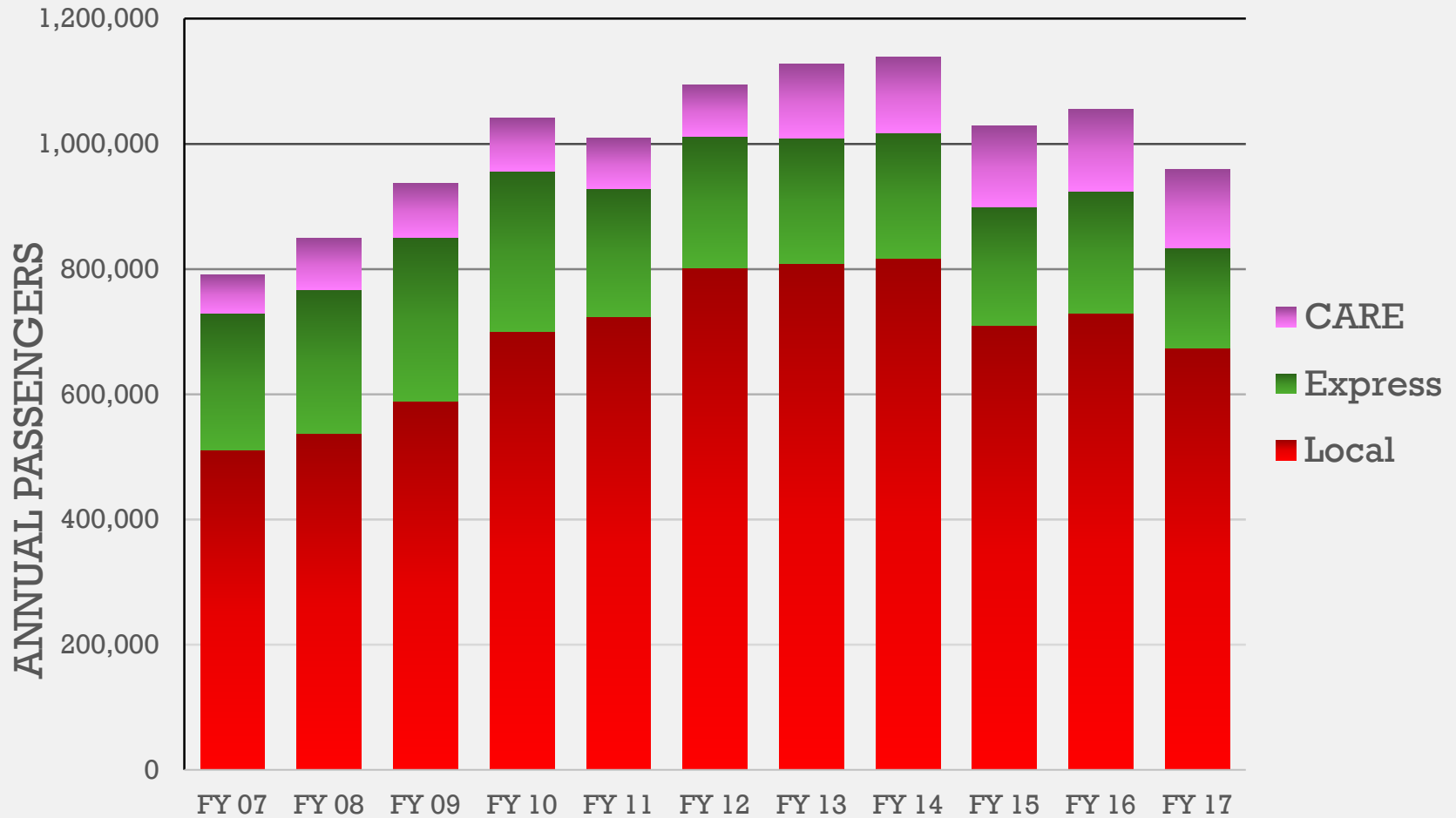
Operating Support

The Pulse BRT

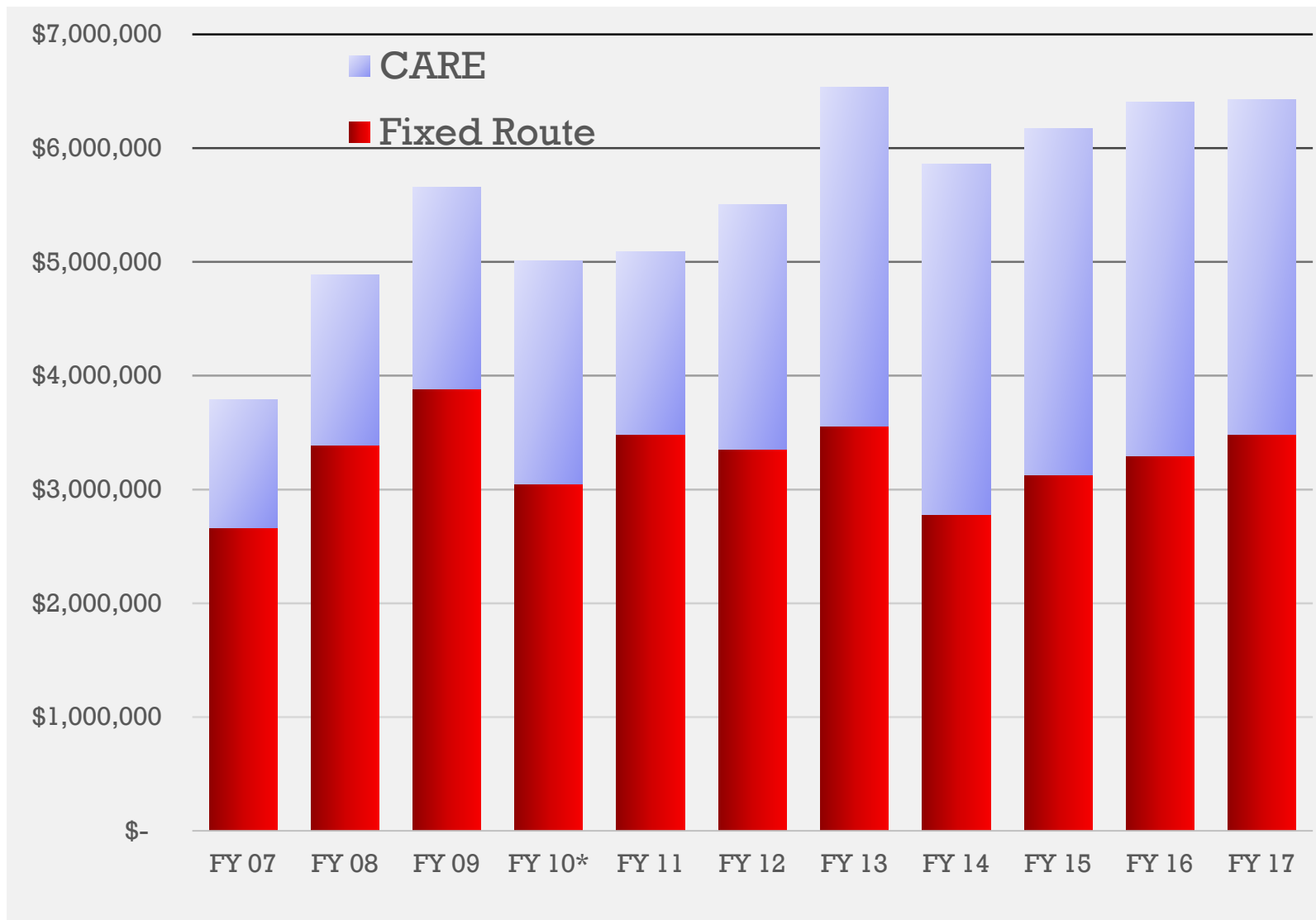
Transit Development Plan

- 2018 Changes
- Long Term Considerations

TRANSIT RIDERSHIP: FY07 – FY17

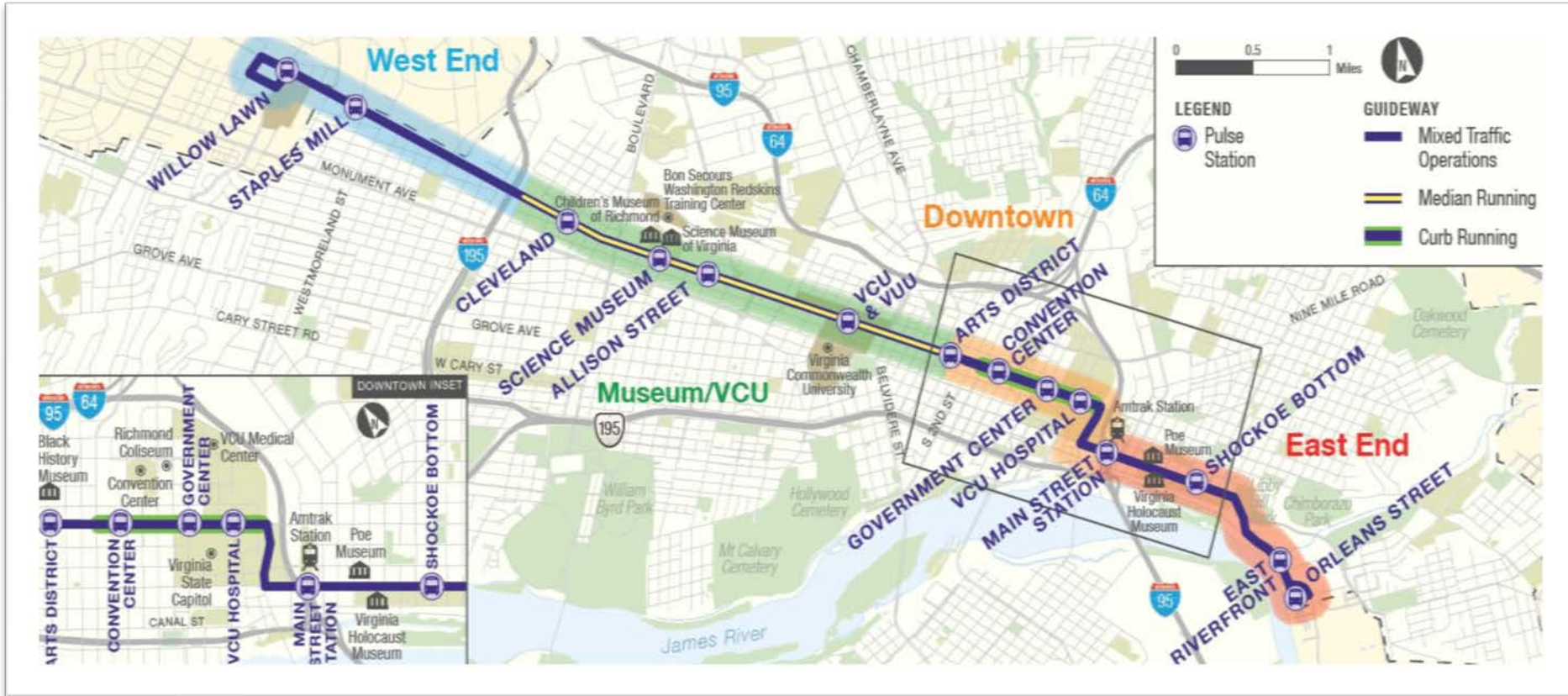


TRANSIT OPERATING SUPPORT: FY07 – FY17

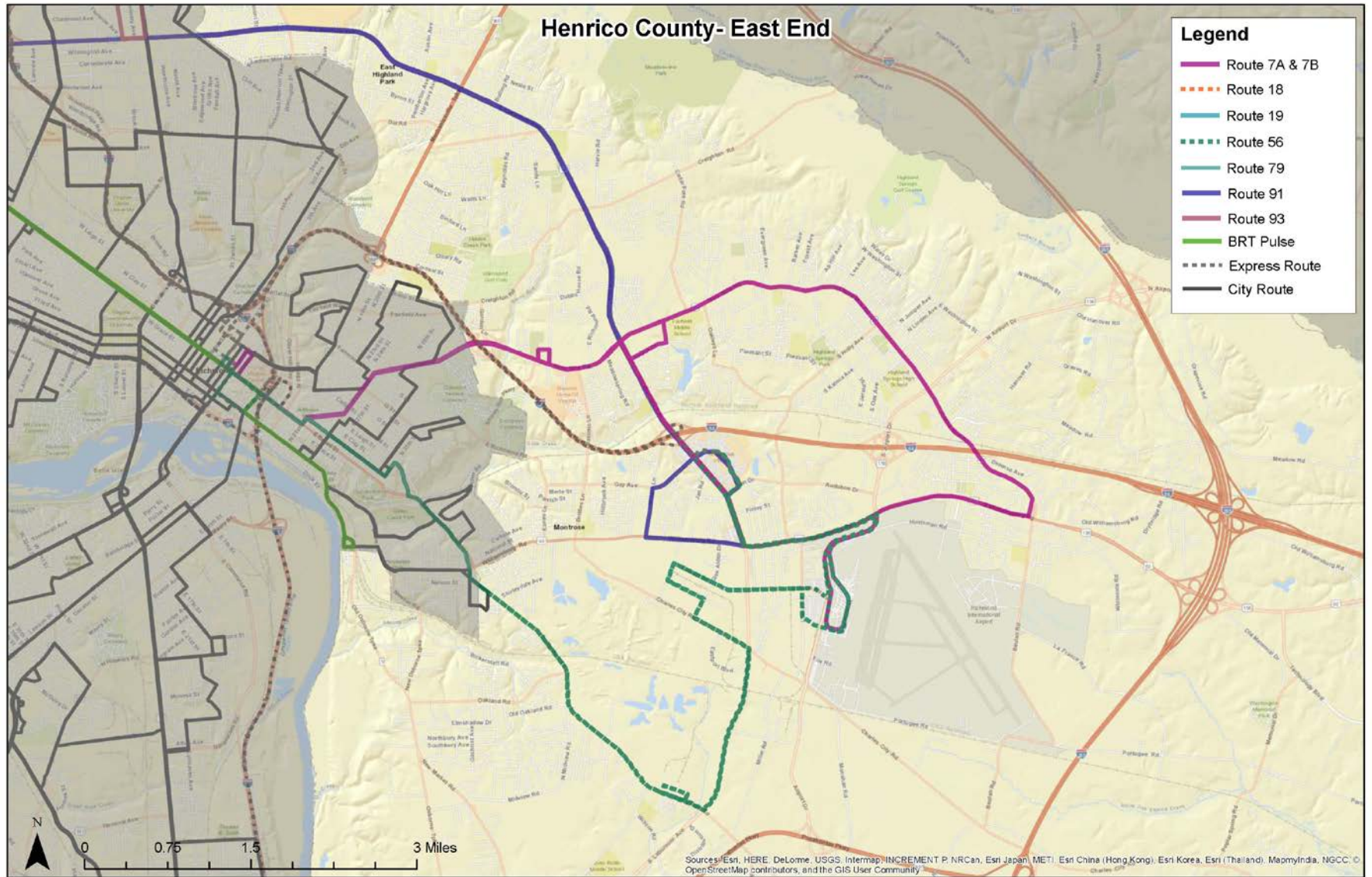


THE PULSE BUS RAPID TRANSIT (BRT)

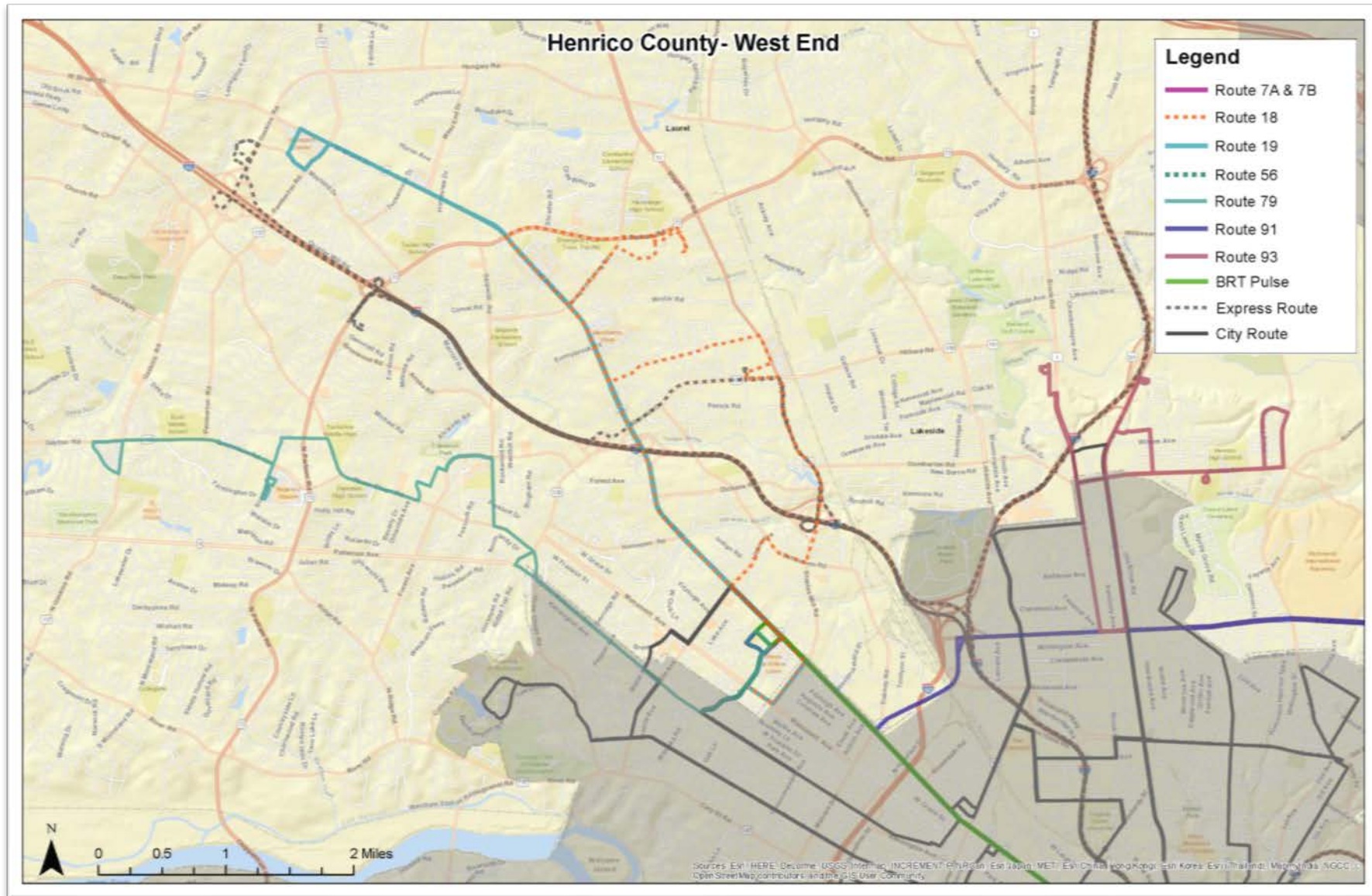
WILLOW LAWN TO ROCKETTS LANDING



HENRICO TRANSIT NETWORK: EAST END IN 2018



HENRICO TRANSIT NETWORK: WEST END IN 2018



LONGER TERM CONSIDERATIONS: HOURS OF SERVICE

\$900 k

- 5 Days
- 11 p.m.

\$1.2 M

- Weekend
- 7 p.m.

\$2.25 M

- 7 Days
- 11 p.m.

LONGER TERM CONSIDERATIONS: FREQUENCY OF SERVICE

\$1.0 M

- Route 7
- 15 min.

\$300 k

- Route 18
- 30 min.

\$200 k

- Route 91
- 30 min.

LONGER TERM CONSIDERATIONS: COVERAGE – ROUTE EXTENSIONS

\$900 k

- Route 1
- To VCC

\$700 k

- Route 4b
- To White Oak Village

\$800 k

- Route 19
- To Short Pump

\$200 k

- Route 29x
- To Innsbrook

LONGER TERM CONSIDERATIONS: COVERAGE - NEW ROUTES

\$900 k

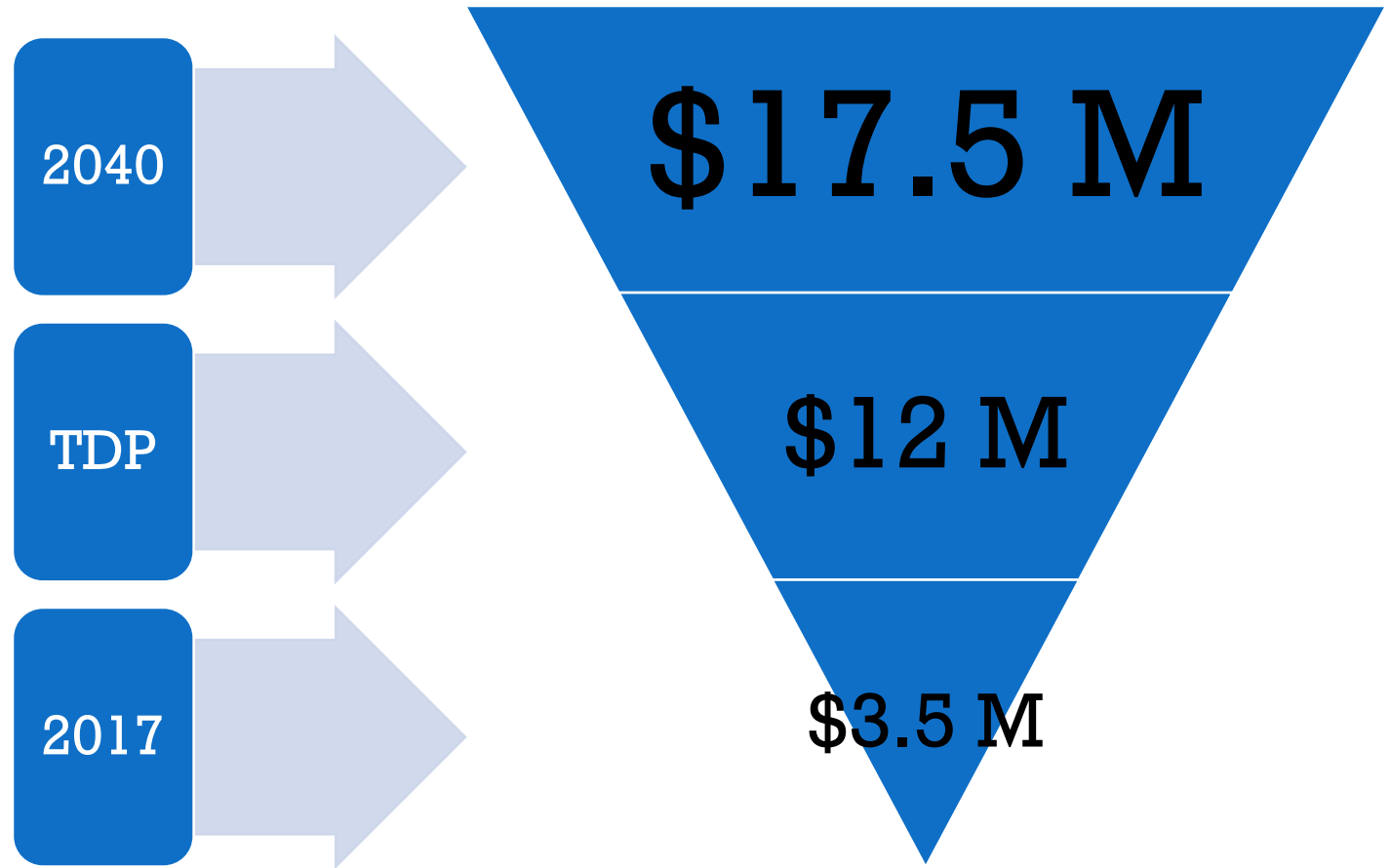
- Route 39
- Mechanicsville
Tpke

\$1.15 M

- Route 92
- Parham Road
(Brook Rd to Regency)

LONGER TERM CONSIDERATIONS

COSTS



TRANSPORTATION FUNDING

Regional Transportation
Authorities

Hanover survey shows a majority open to higher taxes to fund roads

By MICHAEL O'CONNOR Richmond Times-Dispatch Jan 4, 2018



73% of 664 Survey respondents supported or strongly supported more road funding, even if it means higher taxes.



A survey of Hanover County residents showed a majority of people are open to spending more of the county's dollars on road projects even if it means higher taxes or fees.



According to the survey, 54 percent of respondents somewhat support and 19 percent strongly support more local spending for the construction and maintenance of Hanover's roads even if it meant higher taxes or fees. The rest of respondents were against such measures, with 15 percent somewhat opposing and 12 percent strongly opposing more local spending on roads.

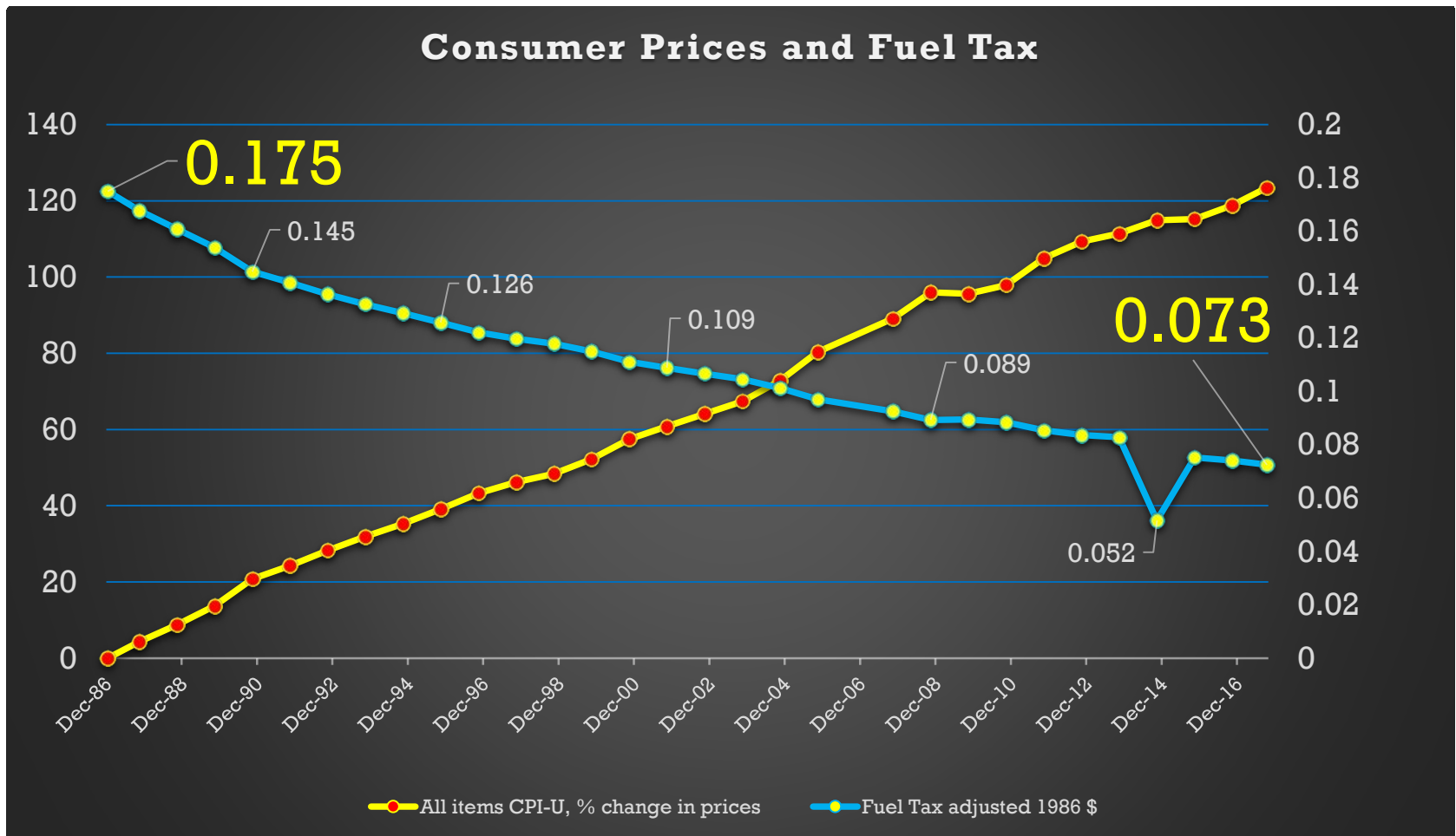
MOST POPULAR IN T

1 Hanover Idol auditions

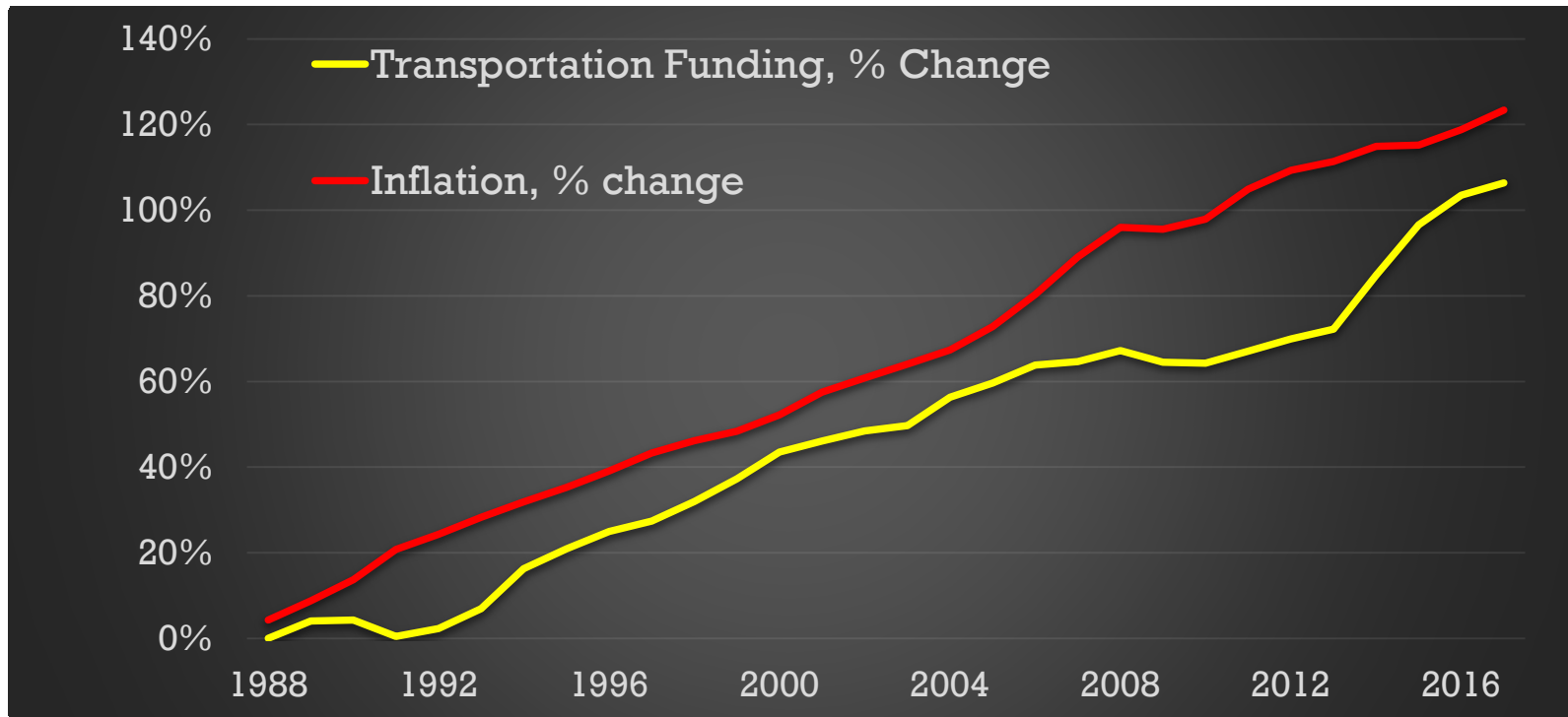
2 From rock bottom to s
a kid from Montpelier
Hollywood and find a
life for himself

3 Fire EMS improves l

Hanover Chairwoman Angela Kelly-Wiecek said the support for increasing local funding for roads bears more discussion. “We certainly have been struggling with that question. I think we need to have a more in-depth conversation in 2018 than we had in 2017.”



INFLATION VS. FUEL TAX



INFLATION VS. FUNDING

- 17-Member Board
- 0.7% sales tax - \$249 M
- 2.0% Transient Occupancy Tax \$31M
- 15¢/\$100 Grantor's Tax \$50 M
- Total Revenue \$335 M
- 30% local and 70% regional

Celebrating **15** *Years*
Northern Virginia Transportation Authority
The Authority for Transportation in Northern Virginia

- 19-Member Board
- Additional 0.7% Sales Tax - \$131 M
- 2.1% Fuel Tax - \$25 million
- Revenue - \$158 M

