

# Rapid Transit in Montgomery County



*Montgomery County Department of Transportation*



**Montgomery County Department of Transportation**

**Al Roshdieh, Acting Director**

# Presentation Outline

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- Background
- Corridors in Detail
  - Corridor Cities Transitway
  - MD 355 (Bethesda to Rockville to Clarksburg)
  - MD 586 (Veirs Mill Rd – Rockville to Wheaton)
  - US 29 (Silver Spring to Burtonsville)
- Funding and Partnership

# What is BRT?

Enhanced Stations

Stylish Vehicles

Branded Services

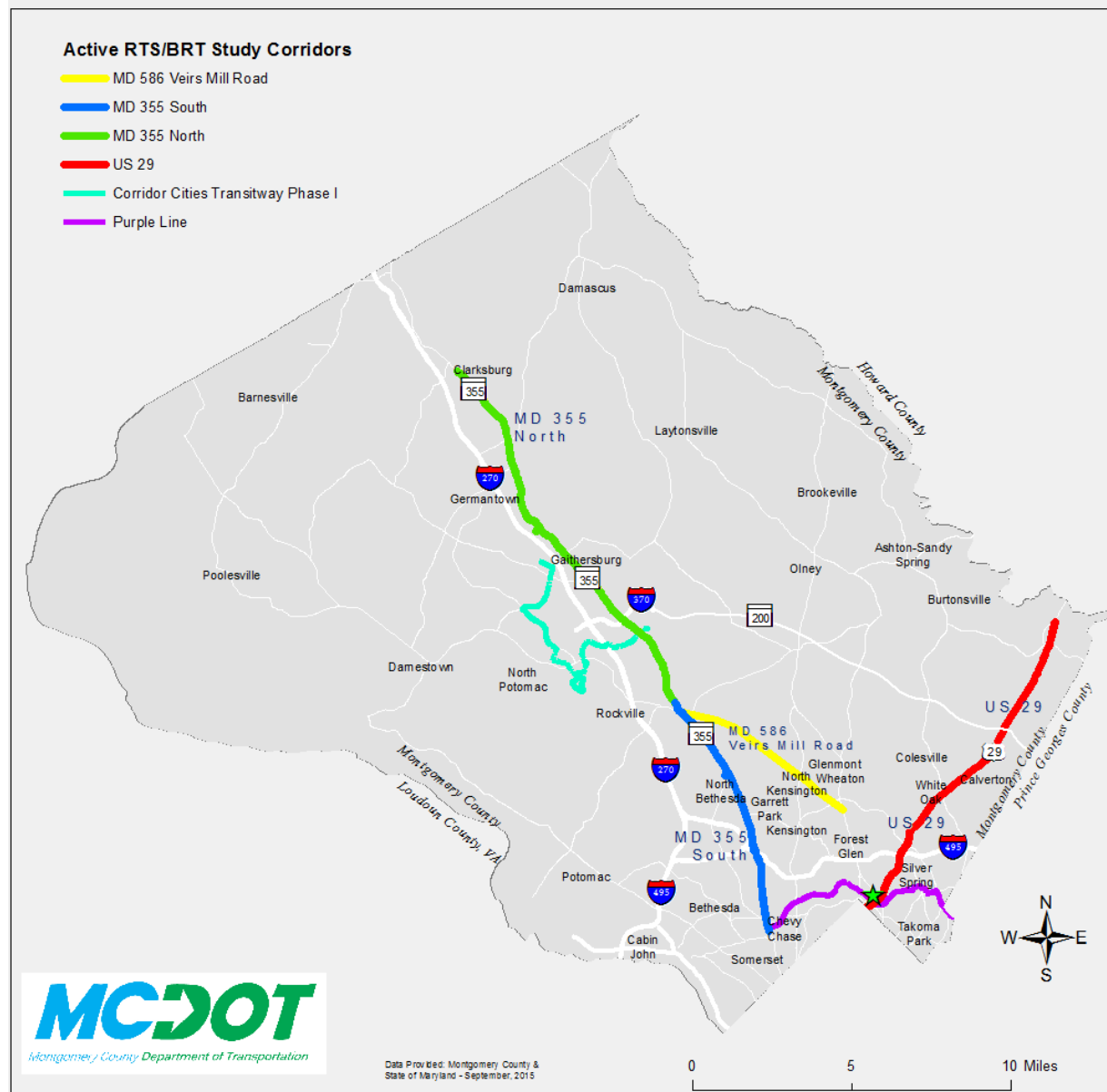
Dedicated Lanes /  
Managed Lanes

Faster Fare  
Collection

Advanced  
Technologies

# Rapid Transit System (RTS)

- Overview of BRT / RTS
  - 11 corridors – over 100 miles (including CCT)
- Active Studies
  - MD 355
  - US 29
  - MD 586
- Corridor Advisory Committees





# Major Employers

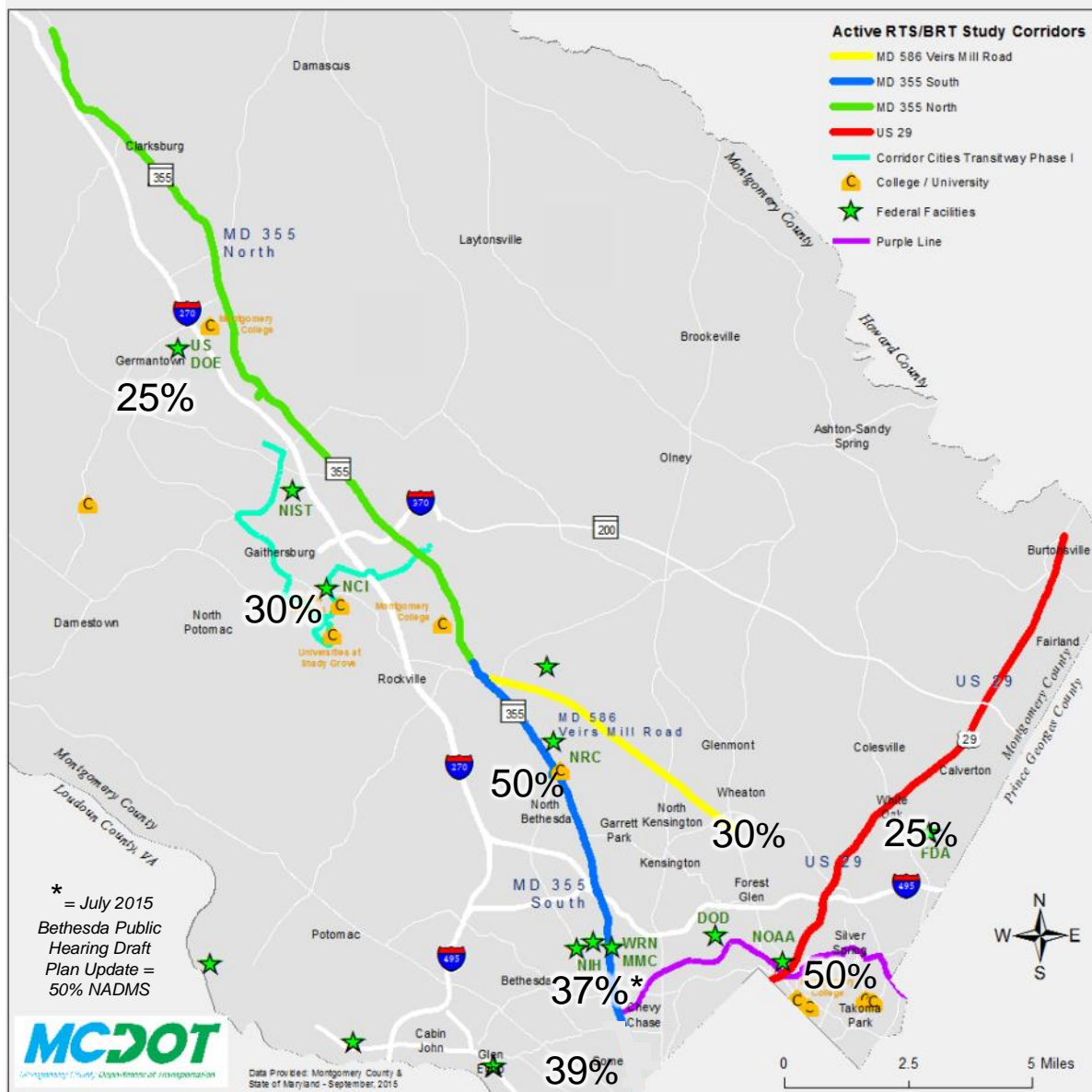
Company	Number Employed	Product / Service	Industry
Montgomery County Public Schools	25,700	Public Education	Educational Services
National Institutes of Health*	16,510	HQ/ medical research	Federal government
U.S. Food and Drug Administration*	11,720	HQ / food & drug R&D & standards	Federal government
Naval Support Activity Bethesda*	11,690	Medical services	Federal government
Montgomery County Government	11,100	Government services	Local government
Marriott International	5,880	HQ / hotels & motels	Accommodation and food services
Adventist HealthCare	5,310	HQ / medical services	Health care
Lockheed Martin	4,690	HQ / defense, aerospace & electronics	Manufacturing
National Oceanic and Atmospheric Administration*	4,600	HQ / weather analysis & reporting	Federal government
Holy Cross Hospital	3,200	Medical services	Health care
Giant Food	3,150	Groceries	Retail trade
Verizon	2,870	Telecommunications	Information
Montgomery College	2,850	Higher education	Educational services
National Institute of Standards and Technology*	2,730	HQ / testing & standards; R&D	Federal government
U.S. Nuclear Regulatory Commission*	2,700	HQ / utilities regulation	Federal government
Kaiser Foundation Health Plan	2,640	Medical services	Health care
MedImmune	2,290	HQ / pharmaceutical R&D & manufacturing	Professional services
Westat	2,280	HQ / contract research & surveys	Professional services
Government Employees Insurance (GEICO)	2,270	HQ / insurance	Finance and insurance
U.S. Department of Energy*	1,800	Energy development & conservation	Federal government
Henry M. Jackson Foundation for the Advancement of Military Medicine, The	1,780	HQ / R&D in the social sciences & humanities	Professional services
Suburban Hospital	1,740	Medical services	Health care
Red Coats / Admiral Security Services	1,640	HQ / janitorial services	Administrative services
Naval Surface Warfare Center, Carderock Division*	1,580	Defense technology R&D	Federal government
Discovery Communications	1,510	HQ / media & entertainment	Information

	Population	Jobs
Existing	1,000,000	521,000
Projected 2040	1,200,000	735,000
Growth	20%	41%

**17% of Maryland's population and jobs are in Montgomery County**

Notes: Numbers are rounded. Excludes post offices, state and local governments; includes public higher education institutions.  
\*Employee counts for federal and military facilities exclude contractors to the extent possible; embedded contractors may be included.  
Sources: Economic development agencies statewide and Maryland Department of Business and Economic Development, November 2014.

# RTS and Non-Auto Driver Mode Share Goals (NADMS)



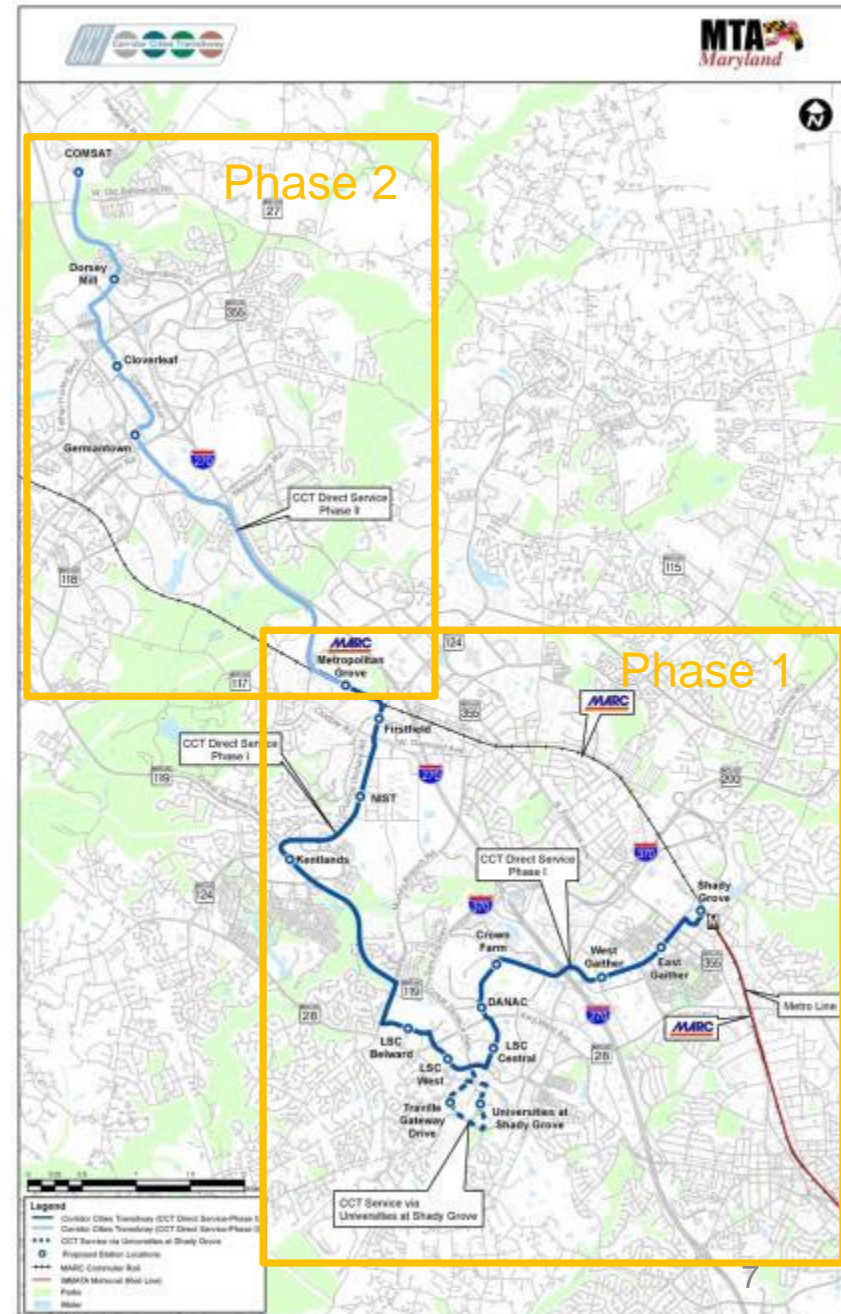
# Corridor Cities Transitway

CCT

15 Miles

Clarksburg to the Shady Grove Metro

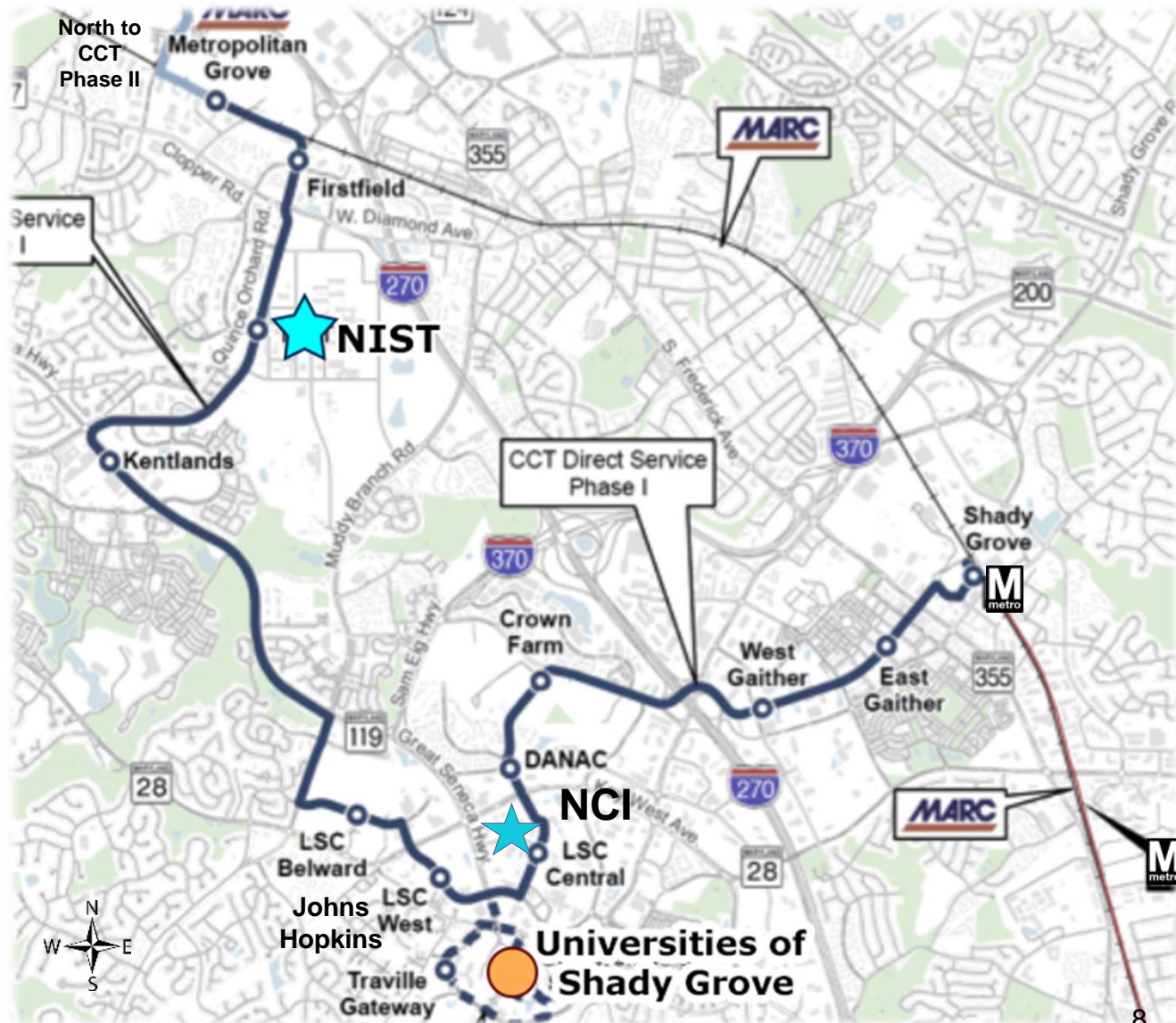
*Both phases are top priorities for the County though Phase I is further along in the project development process.*





# Corridor Cities Transitway: Phase I

CCT: Phase I  
9 Miles  
Metropolitan Grove to  
Shady Grove





# Corridor Cities Transitway

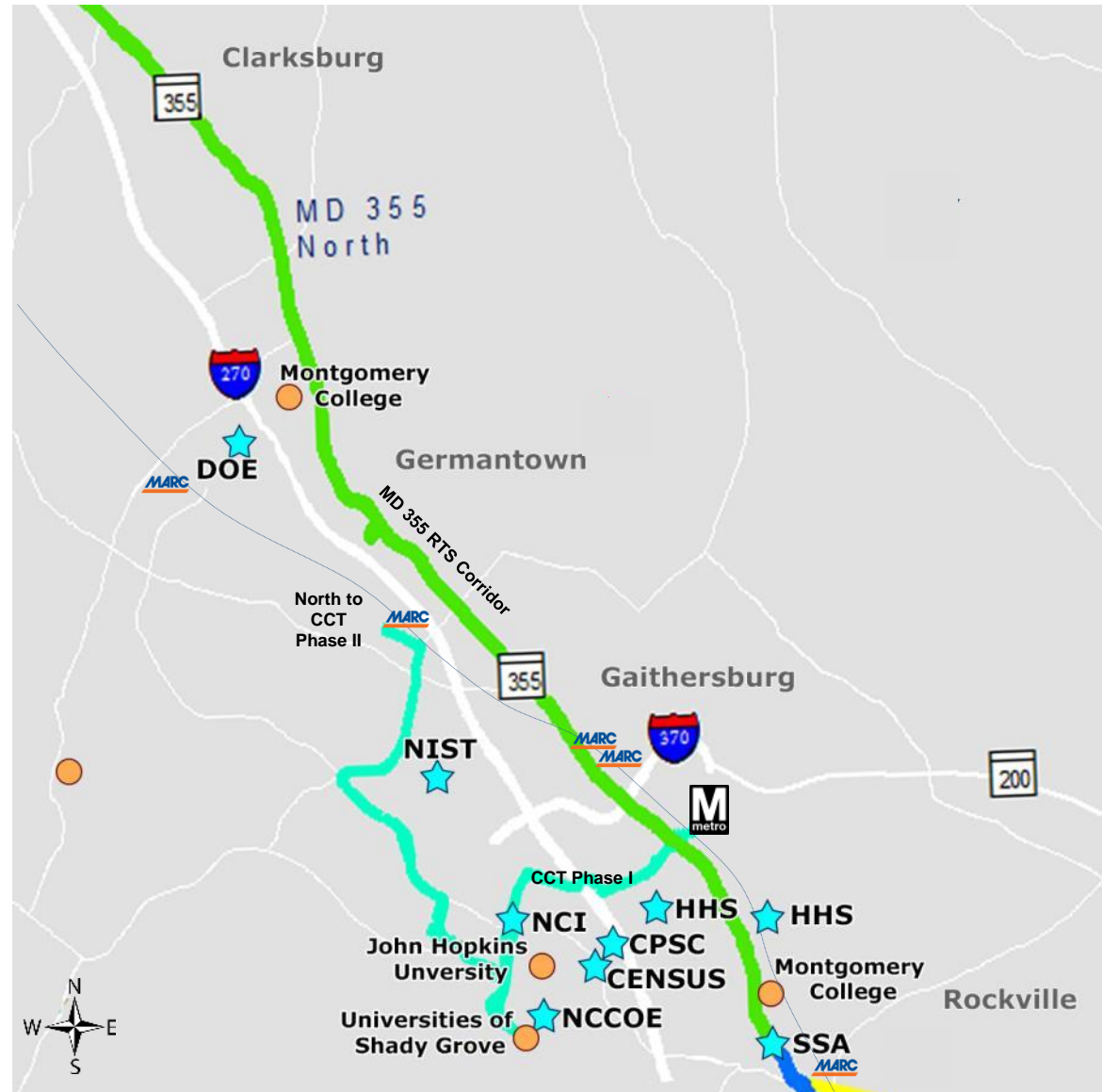


Latest Designs



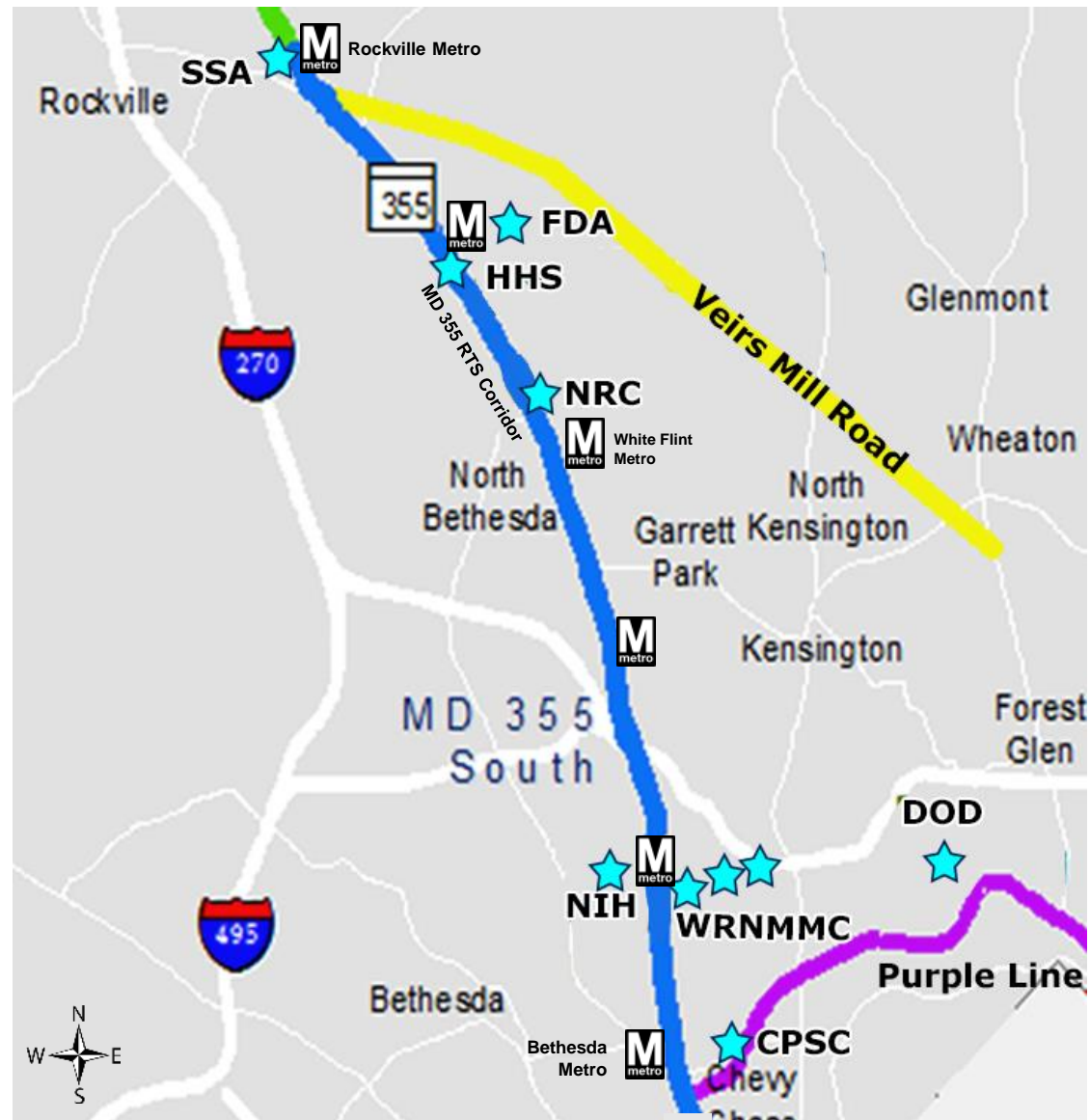
# MD 355 North (Rockville to Clarksburg)

North Corridor  
14 Miles  
Rockville to Clarksburg



# MD 355 South (Bethesda to Rockville)

South Corridor  
8 Miles  
Bethesda to Rockville



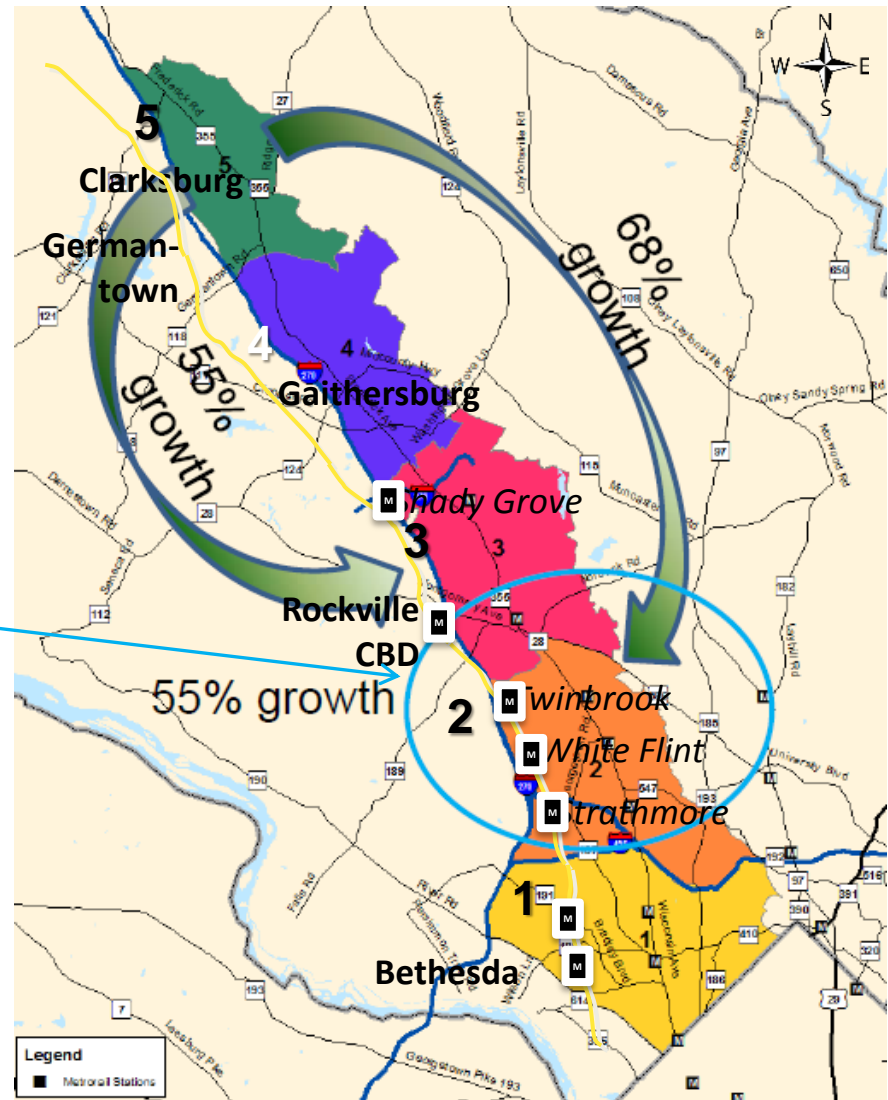


## Travel Patterns

- Intra-Study Area Trips forecast to grow by 27% by 2040
  - 504,000 in 2014
  - 639,000 in 2040
- Short trips prevalent: Largest numbers of trips within districts, or between adjacent districts
- Major market for future trips within the corridor is non-Commute trips
- Most trips in 2040 are associated with District 2

From/To District	1	2	3	4	5	Corridor Total
1	101,942	29,794	6,134	2,086	471	140,427
2	33,964	143,191	25,101	5,405	1,112	208,773
3	7,852	28,843	68,343	13,512	1,863	120,413
4	5,002	10,635	20,008	66,741	7,901	110,287
5	2,081	3,642	4,662	13,000	35,890	59,275
<b>Corridor Total</b>	<b>150,841</b>	<b>216,105</b>	<b>124,248</b>	<b>100,744</b>	<b>47,237</b>	<b>639,175</b>

Source: 2040 No-Build Analysis, MWCOG



## Planning Status

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\$6 million State funds for planning (Led by MTA and SHA)

Corridor planning study began in 2014

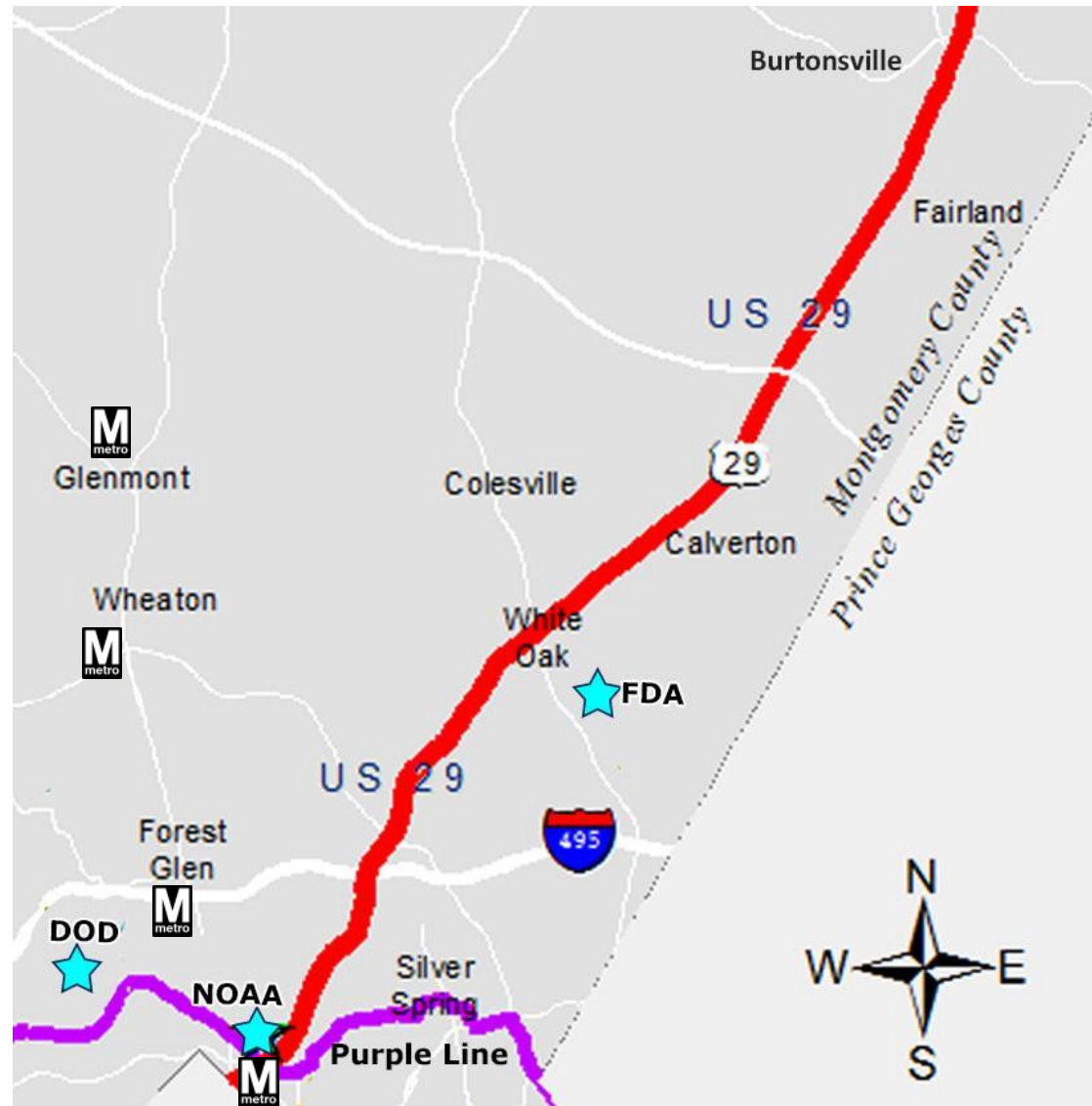
Corridor planning study estimated completion Summer 2016

Study to result in alternatives carried forward into more detailed planning, environmental documentation, and design

Not funded for final design, right-of-way or construction

# US 29 (Silver Spring to Burtonsville)

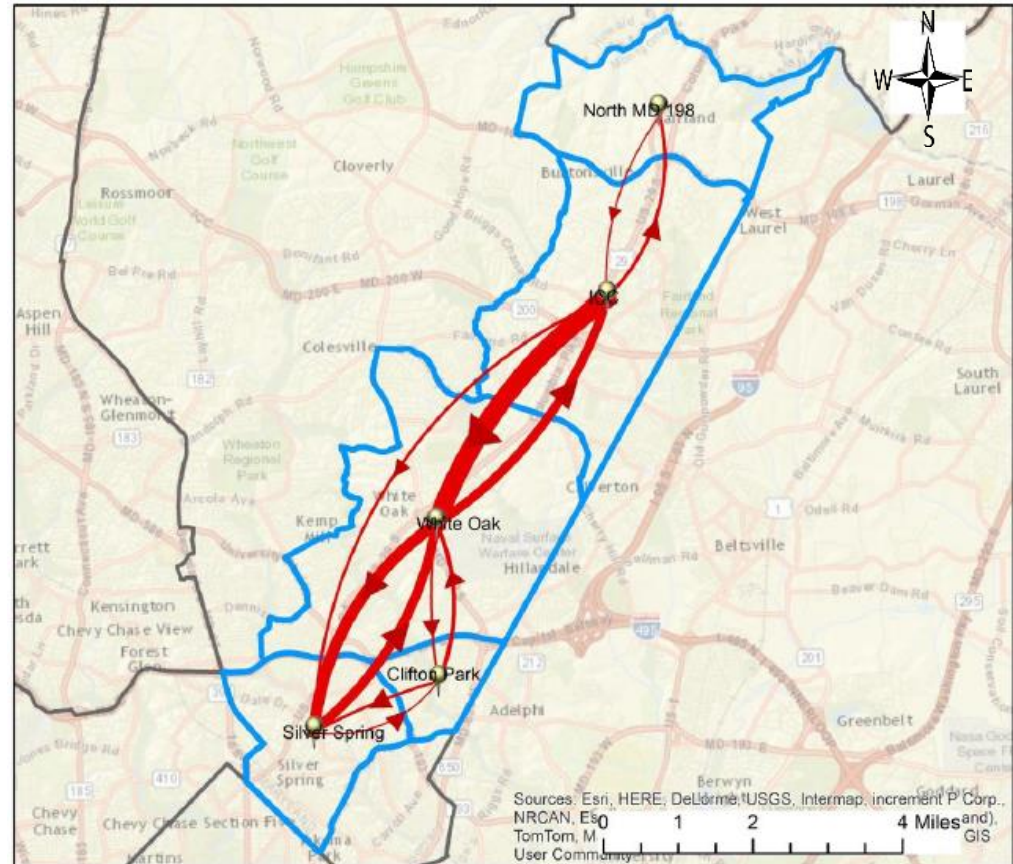
US 29 Corridor  
12 Miles  
Silver Spring to Burtonsville







## Travel Patterns

- In 2040, approximately 733,000 trips are expected to interact with the Study Area:
- 176,000 (**24%**) of those trips **originate** and **remain within** the Study Area
- 251,000 (**34%**) of those trips **originate** from the Study Area and **travel outside** of the Study Area
- 306,000 (**42%**) of those trips **originate outside** of the Study Area and **travel to** the Study Area
- By 2040, Total Trips will increase almost 30% more than 2014



Features

US 29 BRT Corridor Planning Study

-  Study Area District
-  TPB Region Districts

-  District
-  Daily Person Trip

Source: 2040 forecasts developed using MWCOG / regional travel demand model

## Planning Status

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\$3.5 million State funds for planning (Led by MTA and SHA)

Corridor planning study began in 2014

Corridor planning study estimated completion Summer 2016

Study to result in alternatives carried forward into more detailed planning, environmental documentation, and design

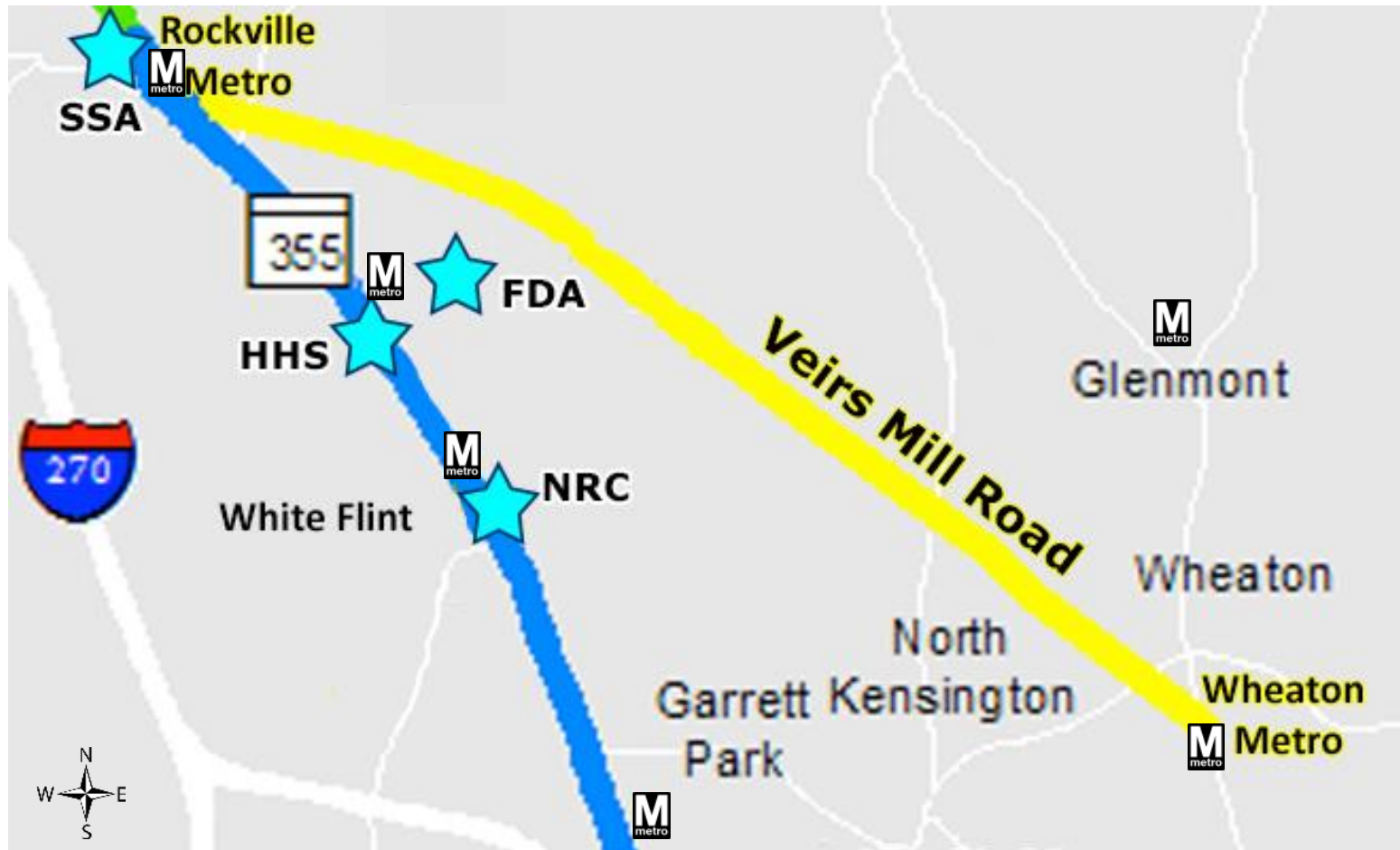
Not funded for final design, right-of-way or construction

# MD 586 (Rockville to Wheaton)

MD 586 Veirs Mill Road

6.2 Miles

Rockville to Wheaton





## Planning Status

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\$6 million **County** funds for planning

NEPA planning study being led by SHA

Locally preferred alternative expected in Winter 2016

Next Step: Preliminary design (*pending funding availability*)

Not funded for final design, right-of-way or construction

# Funding Recap

<b>Project</b>	<b>Planning</b>	<b>Design</b>	<b>ROW Acquisitions</b>	<b>Construction</b>
CCT – Phase I	\$ 45.8 M	\$ 35 M	\$ 35 M	*
MD 355	\$ 6 M <sup>a</sup>	*	*	*
US 29	\$ 3 M <sup>a</sup>	*	*	*
MD 586	\$ 6 M	*	*	*

**\*** = UNFUNDED Phase

**a** = PARTIALLY FUNDED Phase

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