



# 2011 CORRIDOR MONITORING AND TRIGGERING REPORT

August 2012

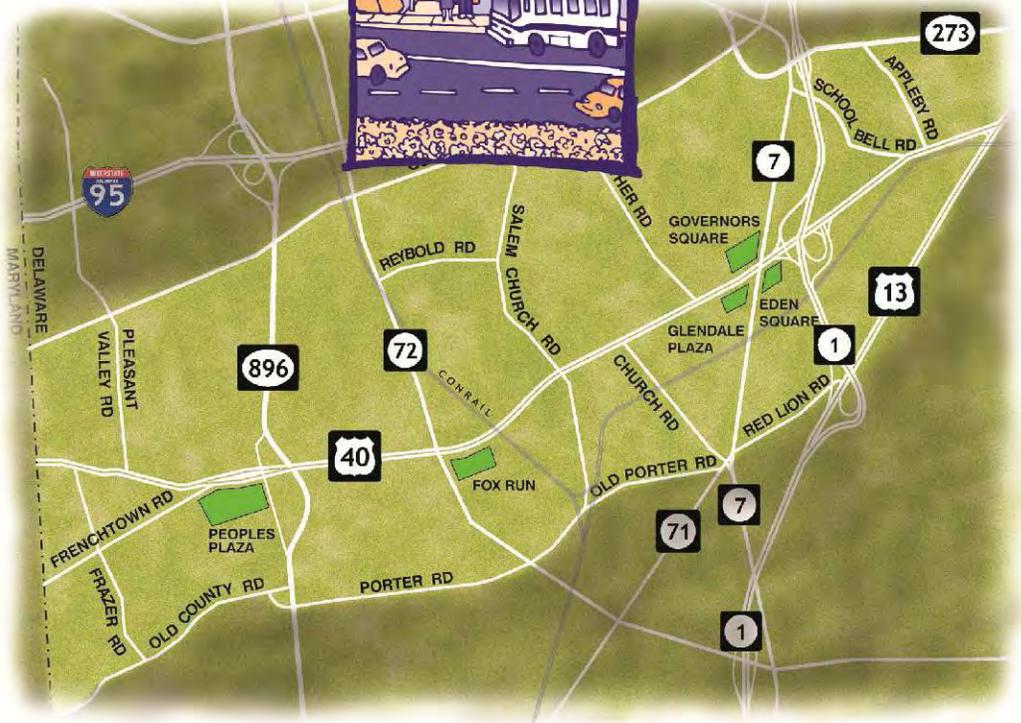
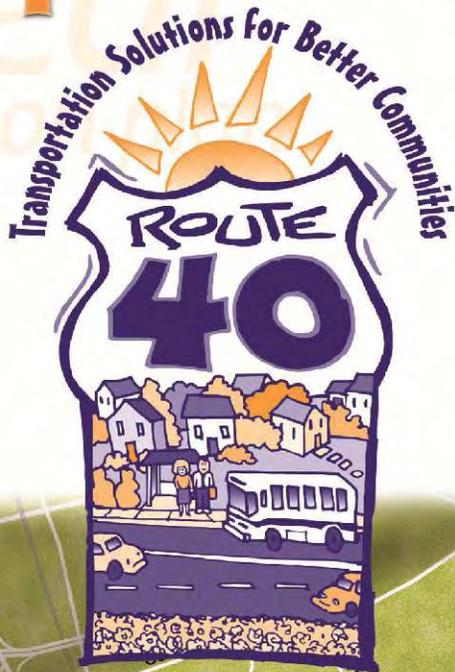


20-Year  
Transportation

# Route 40 Corridor

20-Year  
Transportation

# Transportation Plan



June 19, 2000

20-Year  
Transportation plan

# **Route 40 Corridor Monitoring Committee**

Linda Bailey

*7&40 Alliance*

Dan Blevins

*WILMAPCO*

Barbara Erskine

*at-large member*

Jerome Heisler

*business community member*

John Janowski

*New Castle County*

Bill Osborne

*business community member*

Frank Romanelli

*Bear-Glasgow Council*

Mark Tudor

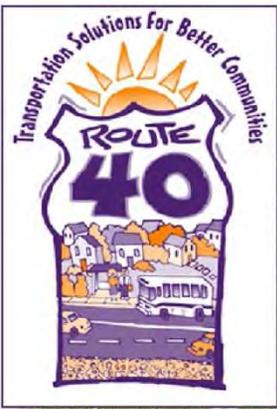
*DelDOT*

Ruth Visvardis

*7&40 Alliance*

Karl Walters

*Christiana Fire Company*



DELAWARE  
MARYLAND

OLD BALTIMORE PIKE

WALTHER ROAD

NEWTOWN RD.

SCHOOL BELL RD.

APPLEBY RD.

WILTON BLVD.

273

13

REYBOLD ROAD

SALEM CHURCH RD.

GOVERNORS SQUARE

GLENDALE PLAZA

EDEN SQUARE

72

7

1

PLEASANT VALLEY RD.

896

NORFOLK

CHURCH RD.

RED LION RD.

40

SOUTHERN FOX RUN

PORTER RD.

FRENCHTOWN RD.

PEOPLES PLAZA

DEL LAWS RD.

PORTER RD.

71

FRAZER RD.

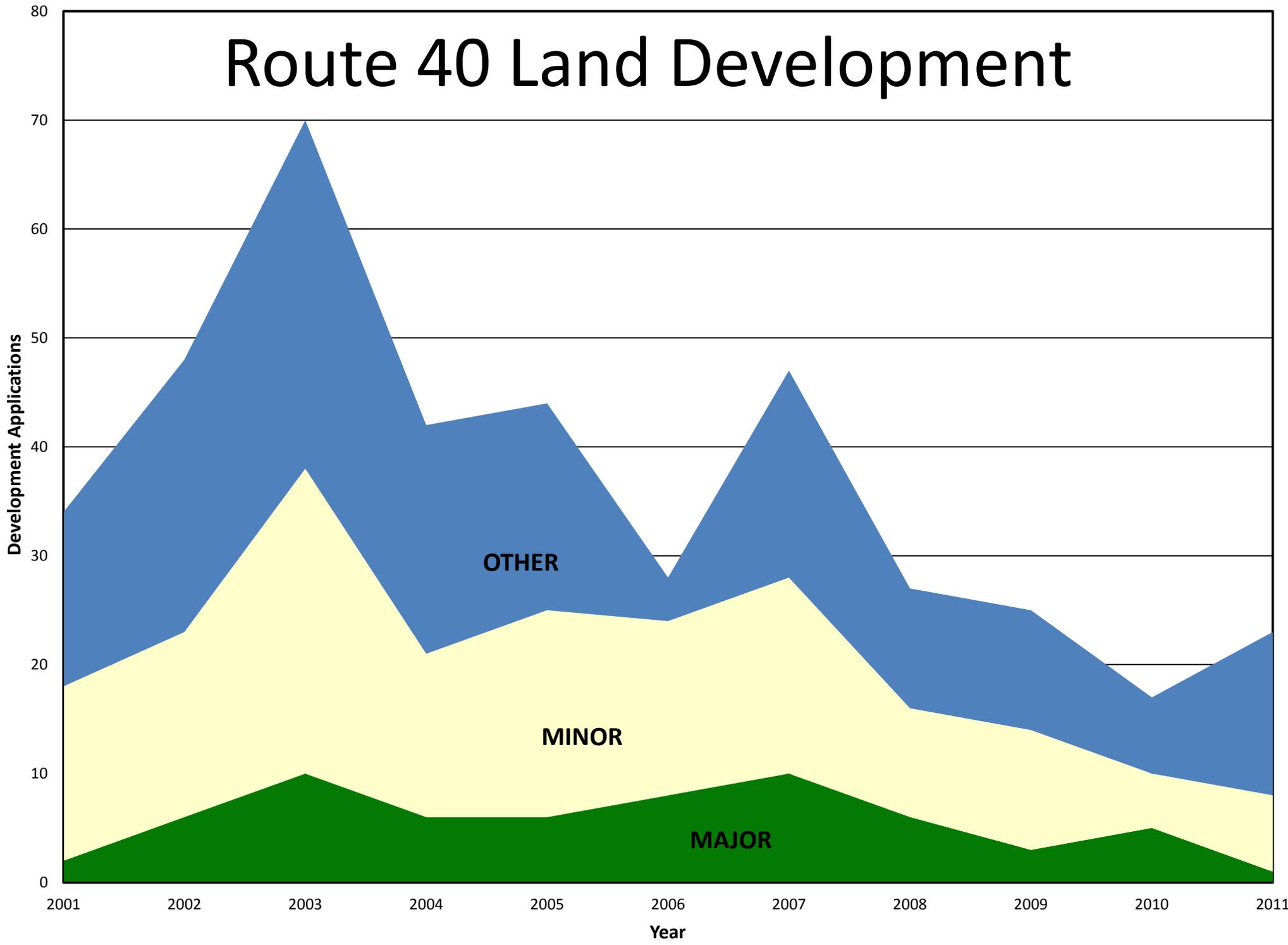
OLD COUNTY RD.

○ - Active Major Development Plans

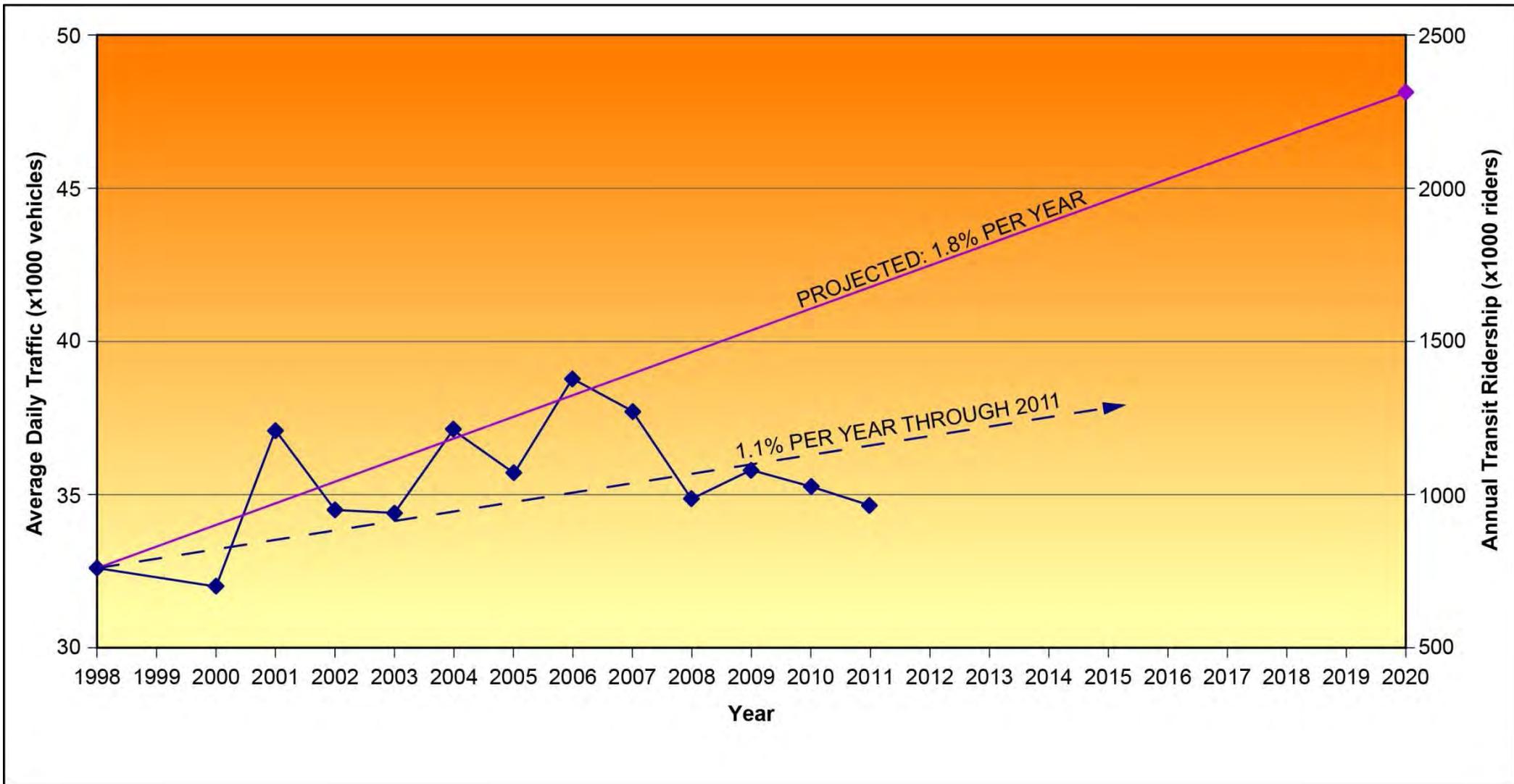
1

13

# Route 40 Land Development



# Route 40 Average Daily Traffic



INTERSECTION	PEAK HOUR LEVEL OF SERVICE									
	Base Year (1998/1999)		2000		2010		2011		2020 w/o the Plan <sup>4</sup>	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Frazer Road <sup>1</sup>	-	-	-	-	B	B	B	B	F	C
Pleasant Valley Road <sup>5</sup>	C	C	C	C	B	C	C	C	E	F
Perch Creek Drive <sup>2</sup>	-	-	B	A	B	B	B	B	C	C
Peoples Plaza north	B	C	A	B	A	A	A	A	A	A
Peoples Plaza south	B	B	B	C	C	C	C	C	C	D
Glasgow Avenue north	C	C	C	C	D	D	D	D	C	E
Glasgow Avenue south	C	D	B	C	D	C	D	C	D	D
SR 896	D	D	D	E	D	D	D	D	F	F
Lagrange Avenue	-	-	-	-	B	C	C	C	B	C
SR 72	D	D	E	E	D	D	D	D	E	E
Scotland Drive	C	B	B	B	C	C	B	C	C	C
Salem Church/Porter Road	C	C	D	D	D	D	D	D	D	F
Glasgow Drive <sup>3</sup>	-	-	-	-	A	B	B	B	-	-
Brookmont Drive	B	B	B	B	A	B	A	B	B	B
Church Road	D	C	D	C	C	C	C	C	C	C
Walther Road	C	D	D	D	C	D	C	D	C	C
Governors Square	B	C	C	C	C	D	C	D	C	D
SR 7/Eden Square	E	D	E	D	C	C	C	C	D	E
SR 1 SB Ramps	A	A	A	A	A	A	A	A	B	C
SR 1 NB Ramps	B	B	B	A	A	A	A	A	E	C
Buckley Boulevard	-	-	B	B	B	C	B	C	B	C
School Bell Road	B	B	C	A	A	A	A	A	A	A
Wilton Boulevard	B	B	C	C	B	C	B	C	B	C
US 13	D	B	C	B	B	D	B	B	F	F

**Note:** Red denotes a worse level of service than 2010; green denotes improvement in level of service over 2010.

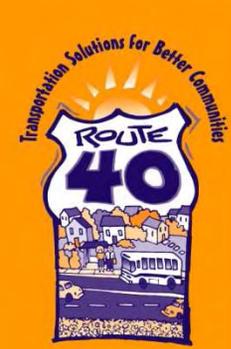
<sup>1</sup> A traffic signal was installed at US 40 and Frazer Road in 2004.

<sup>2</sup> A fourth leg (north) was constructed in 2011 as part of the LaGrange Development.

<sup>3</sup> A traffic signal was installed at US 40 and Glasgow Drive in November 2009.

<sup>4</sup> 2020 traffic projections were updated in 2009

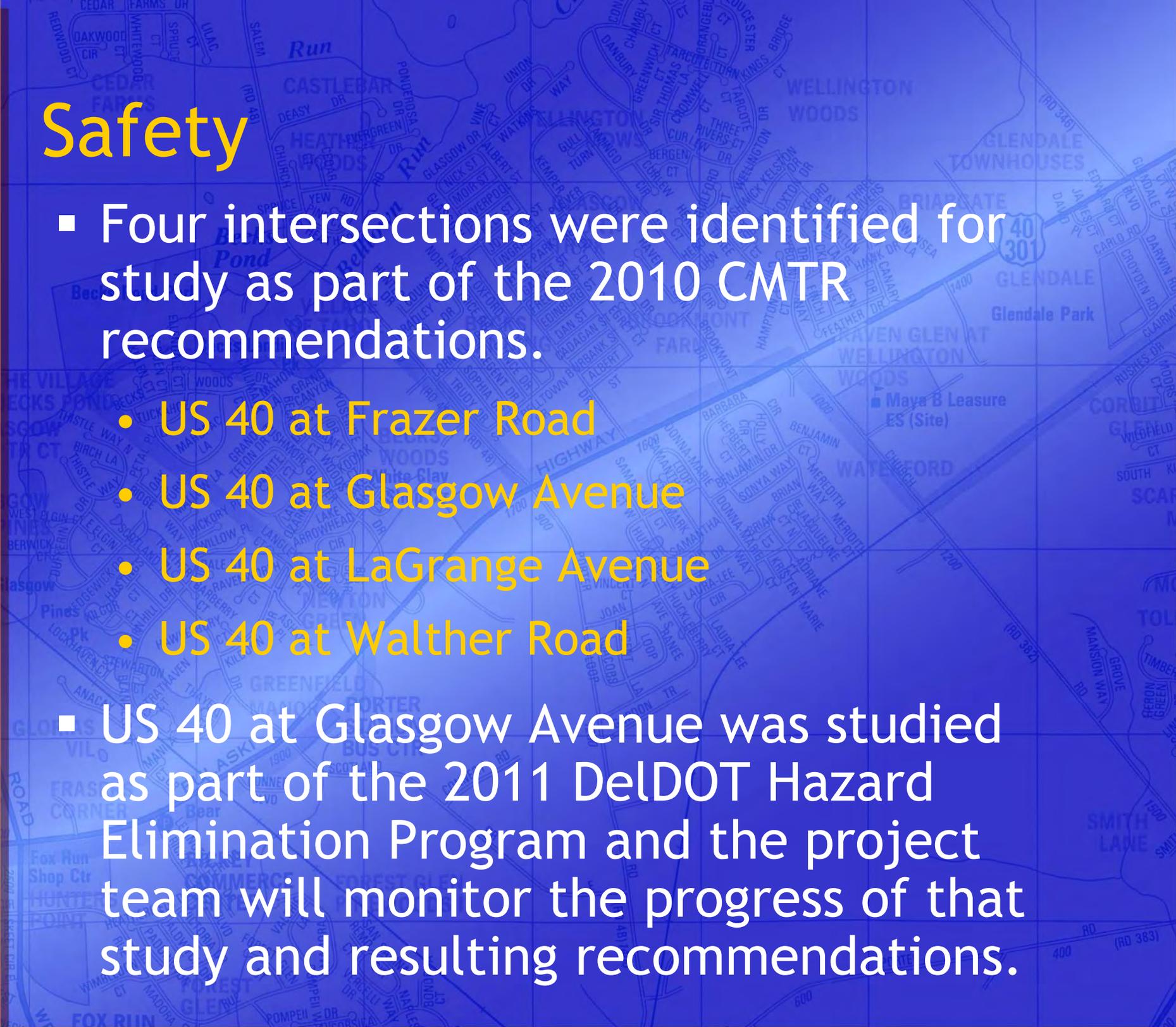
<sup>5</sup> Entrance to Royal Farms (south leg) was opened in 2011

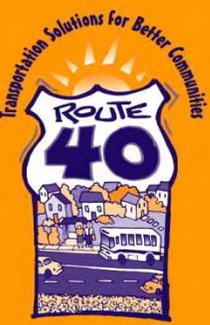


# Safety

ROUTE 40 CORRIDOR  
IMPROVEMENTS

- Four intersections were identified for study as part of the 2010 CMTR recommendations.
  - US 40 at Frazer Road
  - US 40 at Glasgow Avenue
  - US 40 at LaGrange Avenue
  - US 40 at Walther Road
- US 40 at Glasgow Avenue was studied as part of the 2011 DelDOT Hazard Elimination Program and the project team will monitor the progress of that study and resulting recommendations.

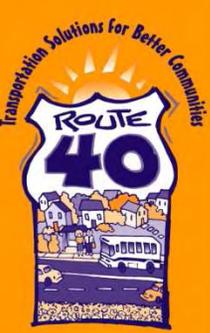




# ROUTE 40 CORRIDOR IMPROVEMENTS

## Safety continued

- A review of the crash reports demonstrate that a majority (74%) of the reported crashes were classified as rear end crashes associated with inattentive driving.
  - US 40 at Frazer Road - eight of eleven reported crashes were rear end
  - US 40 at LaGrange Avenue - nine of ten reported crashes were rear end
  - US 40 at Walther Road - 23 of 33 reported crashes were rear end
- Field observations indicated that there are no signal visibility issues and signal ahead warning signs are posted along US 40 at all three locations.



ROUTE 40 CORRIDOR  
IMPROVEMENTS

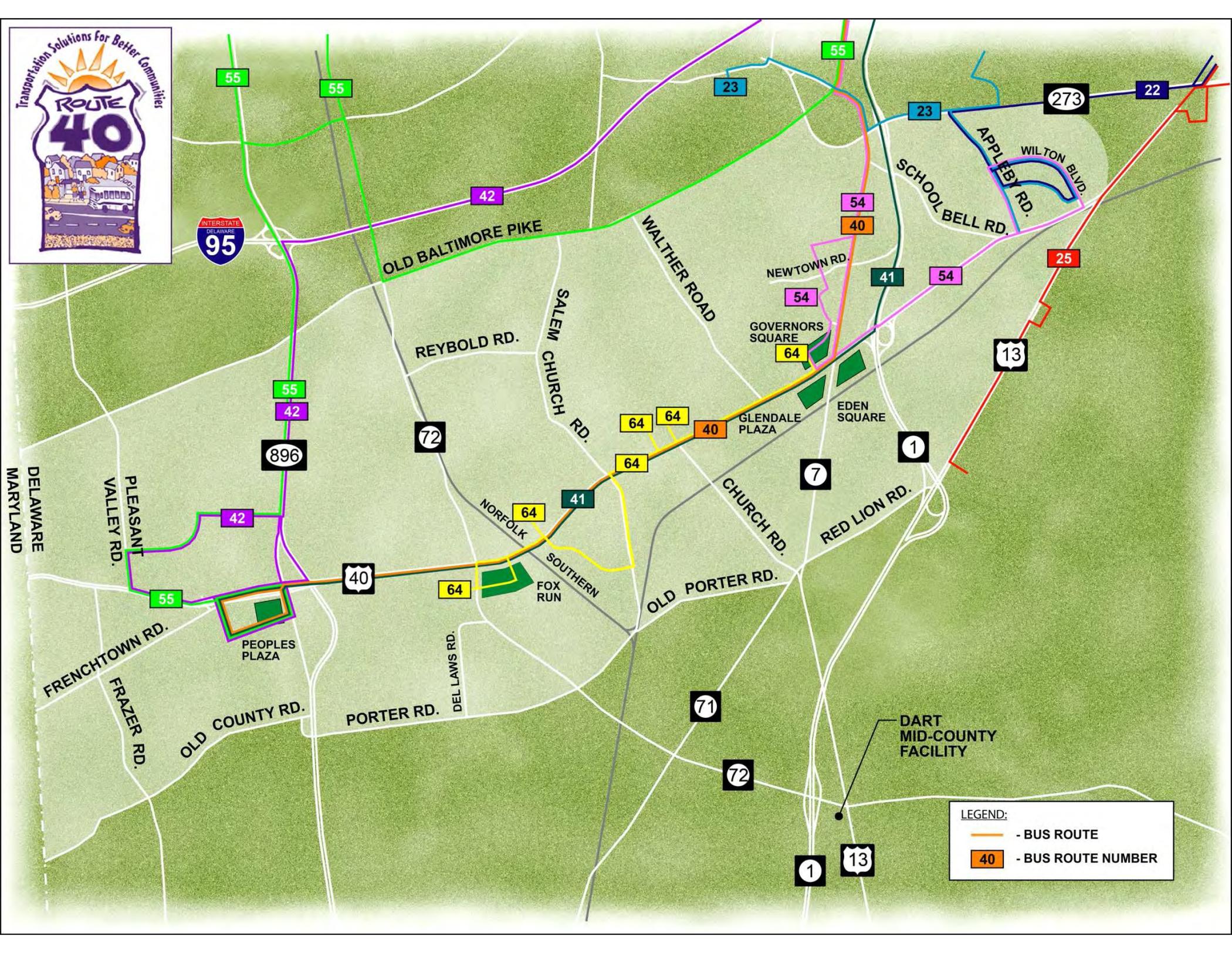
# Safety continued

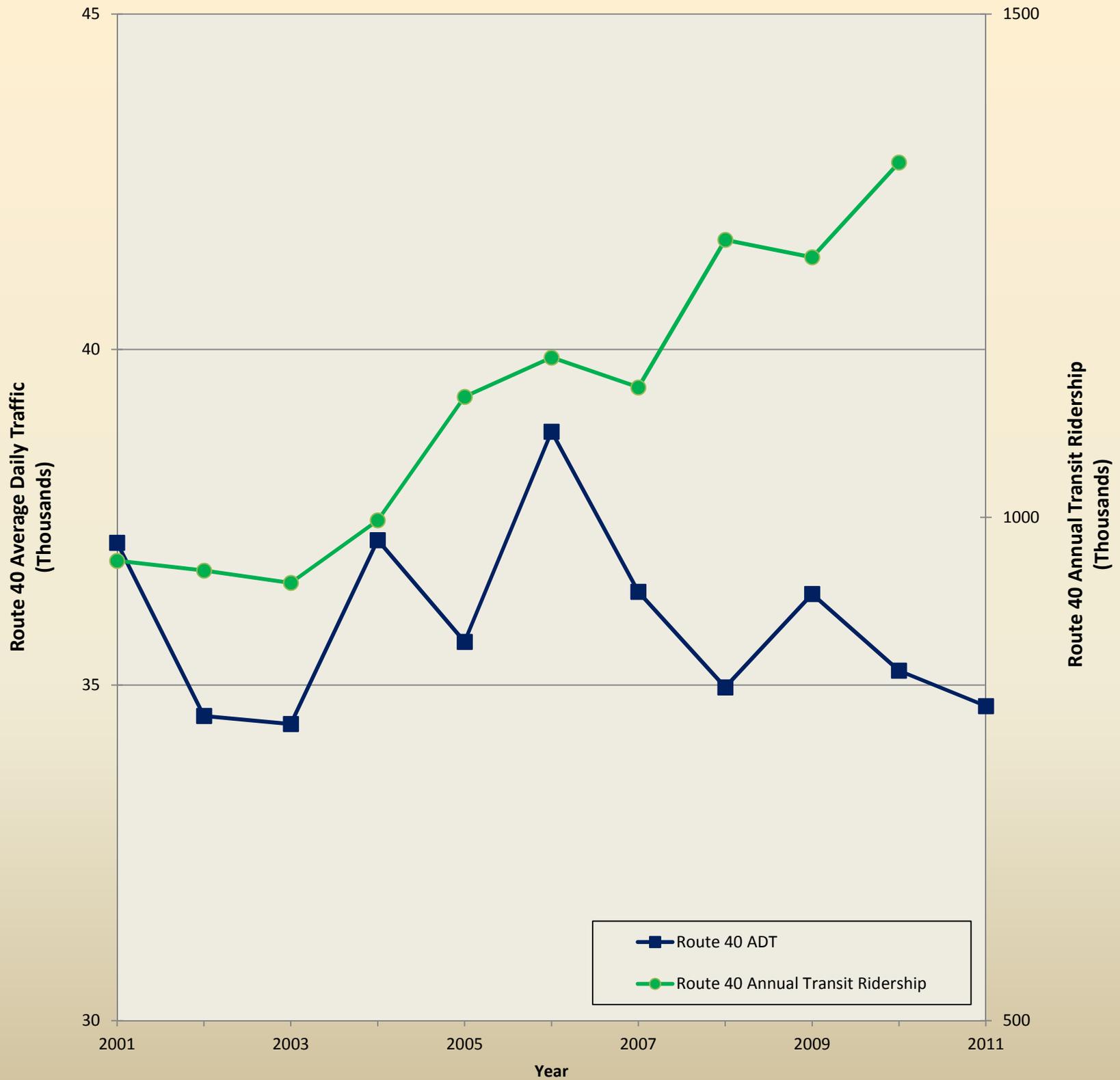
- Detailed crash reports will be reviewed at the following two locations because the reported crash total in 2011 was more than 50% higher than the previous year
  - US 40 at Pleasant Valley Road
  - US 40 at Glasgow Drive

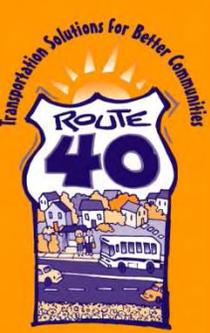


**LEGEND:**

- BUS ROUTE
- 40 - BUS ROUTE NUMBER







ROUTE 40 CORRIDOR  
IMPROVEMENTS

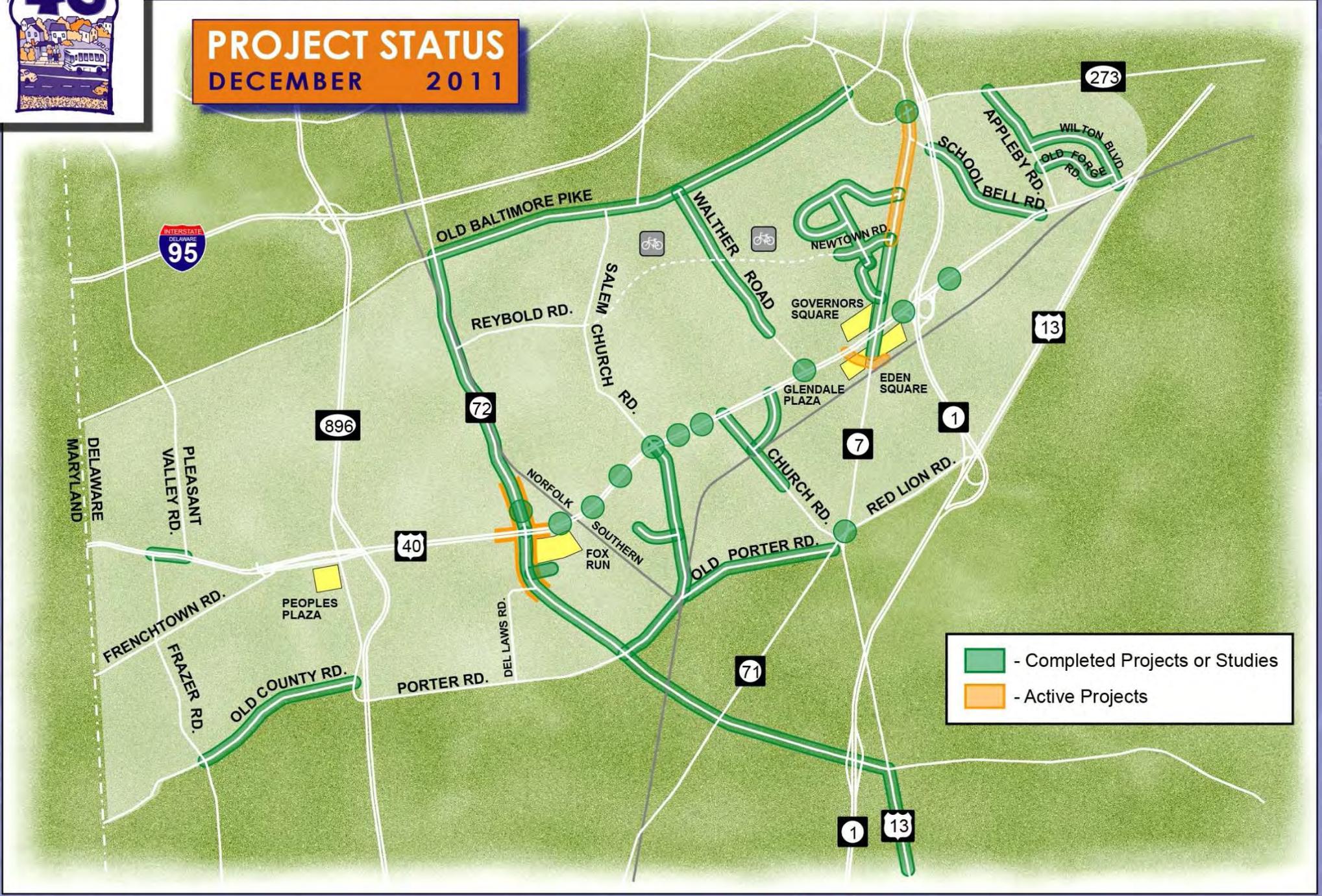
# Recommendations

- Planning, design, and construction
  - Begin construction of SR 7 widening from Newtown Road to SR 273
  - Continue final design for US 40/SR 72
  - Establish construction schedule for Eden Square Connector when funding is available

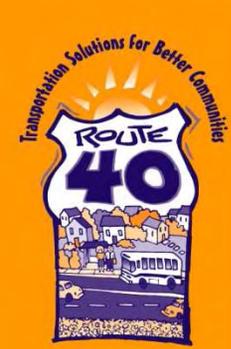


# ROUTE 40 CORRIDOR 20-YEAR TRANSPORTATION PLAN

**PROJECT STATUS**  
DECEMBER 2011



-  - Completed Projects or Studies
-  - Active Projects



# Comments and Questions

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**Dover, DE 19903**  
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**ROUTE 40 CORRIDOR  
IMPROVEMENTS**