

# FY 2014-2017 Transportation Improvement Program (TIP)

Prepared by the staff of the  
Wilmington Area Planning Council

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# CONTACT LIST

The WILMAPCO Transportation Improvement Program (TIP) is created in cooperation with many state and local agencies. If you have questions regarding any projects or suggestions for future projects, please contact the appropriate agency below.

Agency	Responsible For:	Address	Phone Number	Website
WILMAPCO	Regional transportation planning agency in Cecil County, Maryland and New Castle County, Delaware	850 Library Ave. Suite 100 Newark, DE 19711	(302) 737-6205	www.wilmapco.org
<b>Delaware Agencies</b>				
City of Wilmington Department of Public Works – Transportation Division	Maintains and repairs all City streets, traffic signals, street lights, and street signs	Wilmington Dept of Public Works Louis L. Redding City/County Bldg. 800 N. French Street Wilmington, DE 19801	(302) 576-3060	www.ci.wilmington.de.us
DeIDOT	Constructs, maintains, and repairs most of Delaware’s roads, sidewalks, bike paths, traffic signals and street signs	DeIDOT External Affairs P.O. Box 778 Dover, DE 19903	(800) 652-5600	www.deldot.net
DE Transit Corporation (DART First State)	Provides bus, Paratransit, and passenger rail services (SEPTA service) in Delaware	900 Public Safety Blvd. Dover, DE 19711	(302) 652-DART	www.dartfirststate.com
<b>Maryland Agencies</b>				
Cecil County Department of Public Works – Road Maintenance Division	Maintains and repairs all County roads, mows roadway shoulders and agricultural ditches, and makes minor bridge repairs	Cecil County Department of Public Works 200 Chesapeake Blvd. Elkton, MD 21921	(410) 996-6270	www.ccgov.org
Maryland State Highway Administration (SHA)	Constructs and maintains Maryland’s state roads, sidewalks, traffic signals & street signs	MD State Highway Administration 707 North Calvert Street Baltimore, MD 21202	(888) 204-4828	www.sha.state.md.us
“The Bus” Cecil County Transit	Provides transit service in Cecil County	Cecil County Dept. of Senior Services and Community Transit 200 Chesapeake Blvd. Elkton, MD 21921	(410) 996-5295	www.ccgov.org/dept_aging
Maryland Mass Transit Administration (MTA)	Operates the MARC system, light rail, Metro Subway and bus routes in Maryland	MD Mass Transit Administration 6 St. Paul Street Baltimore, MD 21202	(800) 543-9809	www.mtmaryland.com

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# Introduction

The **Wilmington Area Planning Council** (WILMAPCO) is the metropolitan planning organization (MPO) for New Castle County, DE and Cecil County, MD. It is designated by the governors of both states to plan for, coordinate, and program the many transportation investments in the region. Under federal law and regulation, all plans and programs that involve federal funds or are of regional significance must be reviewed and approved through WILMAPCO. This document, the **Fiscal Year (FY) 2014-2017 Transportation Improvement Program** (TIP), provides a listing of all the transportation projects that will be funded in our region over the next four years.

WILMAPCO is responsible for developing a TIP in cooperation with the Maryland Department of Transportation (MDOT), the Delaware Department of Transportation (DelDOT) and affected transit operators. Under the planning requirements of MAP-21, a collaborative process has been developed wherein state, county and local governments and transportation providers are partners in the planning and programming process and the public has a voice. The program should be updated at least every four years and shall be approved by the MPO and the Governors of each state. WILMAPCO typically adopts a revised TIP annually, and may periodically amend the TIP.

This TIP represents a continued shift from the traditional highway building emphasis of prior years to a more multi-modal approach to transportation planning and programming. Many of the projects provide an increase in transit facilities, an expansion in the network of sidewalks, bike paths and greenways and an improvement in the appearance of all transportation designs. The mandates of MAP-21, the Clean Air Act and its Amendments and, most importantly, your vision for this region, require that more emphasis be placed on system preservation and management. This TIP is consistent with the vision of WILMAPCO's *2040 Regional Transportation Plan*.

## TIP Terms

**MAP-21** - Moving Ahead for Progress in the 21st Century Act (P.L. 112-141), was signed into law by on July 6, 2012. Funding surface transportation programs at over \$105 billion for FY 2013 and 2014, MAP-21 is the first long-term highway authorization enacted since SAFETEA-LU in 2005. The law requires public involvement and incorporation of multimodal alternatives into the transportation decision making process. (Predecessor: SAFETEA-LU, TEA-21 and ISTEPA).

**MPO** - Metropolitan Planning Organization: A federally designated, locally governed agency charged with developing long range transportation plans and programming federal transportation funds for specific metropolitan areas. WILMAPCO is this region's MPO.

**TIP** – Transportation Improvement Program: a document containing the transportation investments proposed over the next four years for New Castle County, Delaware and Cecil County, Maryland.

**WILMAPCO** – Wilmington Area Planning Council: the metropolitan planning organization for New Castle County, DE and Cecil County, MD.

**WILMAPCO Council** – Comprised of representatives of Delaware and Maryland including a representative of Cecil County municipalities, a representative of New Castle County municipalities, a Cecil County Commissioner, the New Castle County Executive, a Maryland Governor's appointee, a Delaware Governor's appointee, the Mayor of Wilmington, the Secretary of DelDOT, and the Director of the Delaware Transit Corporation.

(For a complete glossary of terms, see Appendix A)

Air quality is also very important in the region. The Clean Air Act Amendments of 1990 stipulate that projects in the TIP must not lead to any further degradation in the region’s air quality, but instead should begin to improve the air and contribute to attainment of the region’s emission budget. The TIP also needs to be financially constrained which means a financial plan has to be developed to demonstrate funding sources for the projects in the TIP. This TIP has been found to be air quality conforming and financially constrained.

WILMAPCO develops its TIP annually by receiving submissions from its member agencies: DelDOT, MDOT, municipalities, and county officials. The projects are ranked according to how well they reflect the strategies in our long-range plan. The public is kept involved and informed throughout the process. WILMAPCO held a workshop, on February 25, 2013 to receive public comments regarding the proposed program. WILMAPCO participated in MDOT’s annual Tour meeting in October to review the slate of new projects with members of the public and elected officials. After the public hearings, WILMAPCO presented the TIP to its Technical Advisory Committee (TAC) and Public Advisory Committee (PAC) for their recommendation and, finally, to the Council. The WILMAPCO Council voted to adopt the FY 2014-2017 TIP on March 8, 2013. The TIP will now become part of Delaware and Maryland’s Statewide Transportation Improvement Program to be presented to the Governors and Legislators of each state.

The TIP is amended each year following the approval of matching funds through the Bond Bill, as well as when needed throughout the year due to project changes. Many amendments necessitate additional public outreach. A second public comment period from July 22 through September 4 was held, with a public workshop on August 26.

## Developing the FY 2014-2017 Transportation Improvement Program

### Process and Schedule – Summary

- |                       |  |
|-----------------------|--|
| January-March<br>2012 |  Staff meets with local government and community groups to discuss transportation needs.  |
| April-May             | <ul style="list-style-type: none"> <li>• Staff develops technical score based upon adopted prioritization criteria</li> <li>• TAC proposes project prioritization</li> <li>• Air Quality Subcommittee reviews project list</li> <li>• Council reviews community and committee comments and votes on proposed ranking</li> </ul>  Public meeting held to get input on prioritization   |
| August                | <ul style="list-style-type: none"> <li>• Ranked project listing to submitted DelDOT</li> </ul>  Joint public workshop with DelDOT and the Council on Transportation   |
| January-March<br>2013 |  TIP released for public comment January 25- March 7 (including local government/public outreach). Air Quality Conformity public comment period in January 14 – March 7. <ul style="list-style-type: none"> <li>• Revise TIP based on public comments</li> <li>• AQ (Feb. 14)/TAC (Feb. 21)/PAC (Feb. 25) recommendation for adoption</li> </ul>  TIP Public Workshop – February 25. 4 -7 p.m. <ul style="list-style-type: none"> <li>• Council adoption of FY 2014-17 TIP (March 14)</li> </ul> |

### Amending the TIP – Summary

The TIP is amended each year following the approval of matching funds through the Bond Bill, as well as when needed throughout the year due to project changes. Many amendments necessitate additional public outreach.

- |                         |   |
|-------------------------|---|
| Amendments<br>as needed |  Public comment period extending at least 30 days will be scheduled with amendments as needed. |
|-------------------------|---|

# Public Participation Process

WILMAPCO believes that public involvement in transportation decision-making is critical. When preparing the TIP, WILMAPCO provides citizens, affected public agencies, representatives of transportation agencies, private providers of transportation, and other interested parties full access to plans and programs, their supporting materials, and an opportunity to participate in all stages of the planning process.

The Public Advisory Committee (PAC) is the driving force for direct, ongoing public participation. Comprised of a diverse group of individuals representing regional business, environmental, minority and neighborhood groups, the PAC assists WILMAPCO staff and member organizations in developing methods and avenues for public involvement in WILMAPCO activities and may monitor and report findings to the Council regarding opportunities for, and responses to, public involvement strategies. The PAC advises WILMAPCO on the public participation process for developing the TIP. All PAC meetings, as well as meetings of the Technical Advisory Committee and WILMAPCO Council are open to the public and time is allotted for public comment on the TIP or other transportation issues.

WILMAPCO provides the public and interested groups the opportunity to review the draft TIP during a 30-day public comment period. WILMAPCO held a public meeting with the Delaware Council on Transportation to receive comments on the proposed program. Press releases announcing the meetings were sent to newspapers and radio and television stations throughout the region. All public comments received were presented to the Council before the final adoption of the TIP.

## When and How the Public Gets Involved

### August

WILMAPCO, together with DelDOT, MDOT and the Delaware Council on Transportation, holds a public hearing to introduce the new projects under consideration and get ideas for additional projects. Amendments to the prior year's TIP are also available during this meeting. Announcements of these meetings are printed in local newspapers, posted in libraries, listed on WILMAPCO's website and a flyer is mailed out to WILMAPCO's mailing list. The public is invited to review the proposed projects, provide comments on existing projects and propose new suggestions.

### January - March

- Public workshop is held on the draft TIP
- The Final Draft TIP is submitted to the WILMAPCO Council for release for 30-day public comment period.
- The final document is then available at the WILMAPCO office and at [www.wilmapco.org](http://www.wilmapco.org).
- Presentations given to local government and civic groups upon request

### Ongoing

Projects in the TIP come out of the WILMAPCO Regional Transportation Plan and the many community and corridor studies that WILMAPCO takes part in. We encourage you to sign up for our newsletter or enews and visit [www.wilmapco.org](http://www.wilmapco.org). Contact us at (302)737-6205 to be added to our mailing list.



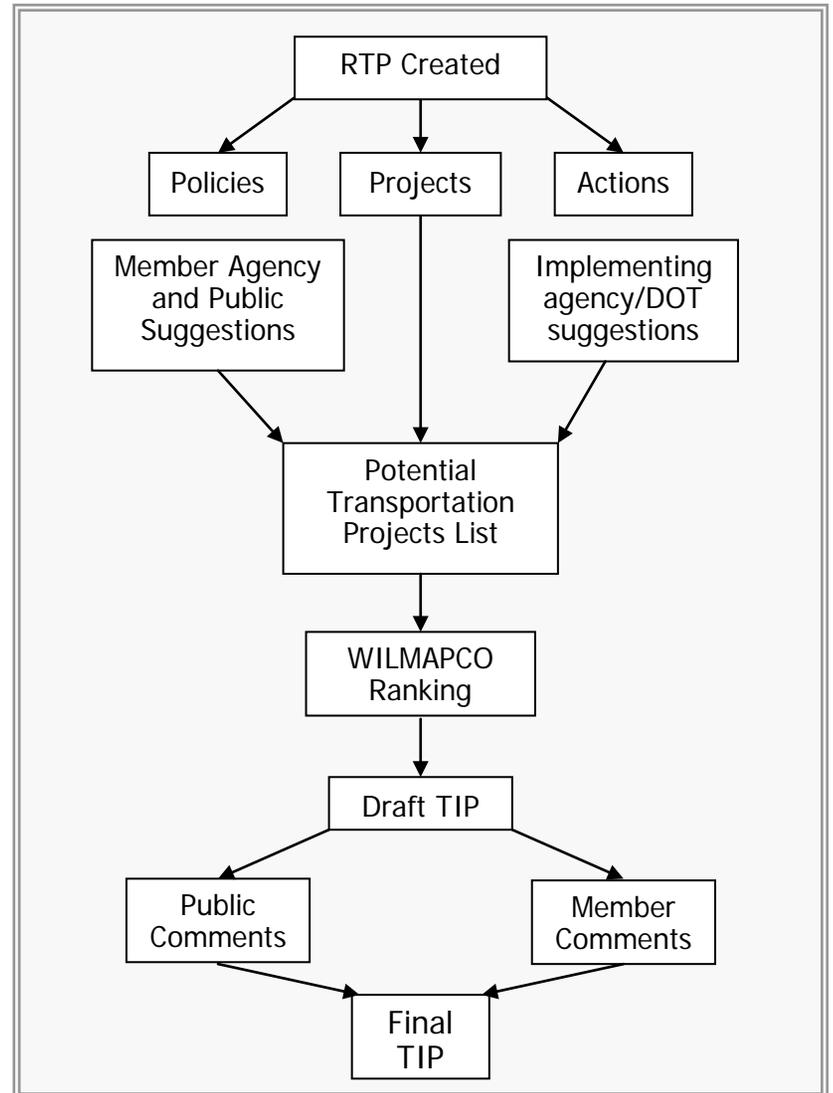
# The TIP Process

## How It Works

The TIP, one of several documents used for transportation planning, spans only four years. Projects it funds are developed through several methods, some of which may span more than four years.

First, WILMAPCO creates a long-range plan, currently known as *the 2040 Regional Transportation Plan* (RTP). This plan is the culmination of many months of effort involving WILMAPCO staff, member agencies and the public to develop a vision for the region we all can embrace. The RTP summarizes the transportation trends, investments and goals for the next 25 years. It indicates certain areas that need our attention, ranging from gaps in our transportation system, to congested regions in need of relief, to far reaching issues such as air quality or land use planning. From this, we recommend projects or policy changes that need to be undertaken in the coming years.

Transportation projects identified in our RTP are then combined with submissions from local governments, county governments, the public and the DOT's to form a potential transportation project list. These projects are then ranked by WILMAPCO's Technical Advisory Committee and a draft TIP is created. The draft TIP is made available to the public at several points during the process; a document then emerges that can be agreed upon by Council.



# How It's Organized

The TIP has a **Delaware Statewide** element (for which New Castle County funding is not broken out), a **New Castle County** element and a **Cecil County** element. Within each element, the projects are separated by category and alphabetized within categories.

Projects within each element are arranged by the following categories:

- System Preservation
- System Management
- System Expansion

Following the project information are the Appendices which contain a glossary, information about WILMAPCO, and details on the analysis undertaken to ensure the TIP meets federal regulations. The final section provides an alphabetical listing of all the projects listed in the FY2014-2017 TIP.

## TIP Terms

**System Preservation** - maintains and preserves the existing transportation infrastructure including bridges, pavement, rail lines and existing roads. It also funds equipment replacement and operational costs.

**System Management** - sustains service level through management techniques and improvements to items such as coordinated signals, intersection improvements, streetscaping, transit facilities and sidewalks.

**System Expansion** - provides new or expanded services and infrastructure. This includes projects such the development of new roadways and transit services, highway interchanges and addition of road lanes.

# Project Prioritization Process

## How Projects Are Prioritized

To determine what projects should be included in the TIP; a prioritization process was developed by a subcommittee of the TAC and approved by WILMAPCO Council on May 11, 2006. Under federal law, WILMAPCO is responsible for prioritizing and programming all projects that are regionally significant and receive federal funds; while the states retain responsibility for other statewide projects and state funded projects. The TIP must include a priority list of projects to be carried out in the next four years.

Preservation of existing infrastructure is WILMAPCO's greatest priority. For management and expansion projects, the process connects the prioritization criteria with WILMAPCO goals, simplifies the ranking process, and maximizes use of existing data. In a typical year, the process will prioritize program development projects, to influence projects going into the statewide TIPs at an earlier stage. This year, we prioritized both funded and unfunded projects for both the TIP and RTP.

A summary 4-step project prioritization process is included on the following page; the complete process is in the Appendix. First, projects are screened for consistency with the RTP and state and local transportation and land use plans. If projects are consistent, staff calculates a technical score based upon the strategies in the RTP. Then, the Technical Advisory Committee reviews the technical score for its accuracy and submits comments for Council consideration. Council ranks the projects, considering the technical scoring and other relevant issues. This ranking is then shared with the DOT's for their use in developing statewide priorities.

### Factors used to rank TIP projects:

- Air Quality
- Environmental Justice/Equitable Access
- Congestion
- Safety
- Transportation Justice
- Freight
- Local/private Funding
- Support for Economic Initiatives

# Prioritization Process

Provides a quantitative method to compare projects

- Criteria based on the goals of our long-range Regional Transportation Plan (RTP)
- Process was adopted by WILMAPCO Council on May 11, 2006
- Ranked projects get submitted to DeIDOT/MDOT for use in their statewide process

## STEP 1:

### Apply screening criteria

- Projects reviewed for consistency with RTP and local, county and state transportation plans and land use plans.
- If not consistent, it will not be ranked or the RTP must be amended.

## STEP 2:

### Technical score

- Staff calculates a score for each project based on the goals and objectives of the RTP
- Criteria are designed to be objective measures using data available to WILMAPCO.

## STEP 3:

### TAC review

- Technical Advisory Committee (TAC) reviews technical scoring for accuracy and prepares comments for Council consideration

## STEP 4:

### Council ranks submissions

- Council considers:
- Technical score
  - TAC comments
  - Cost effectiveness
  - Urgency of project
  - Other considerations

Goals and Criteria:

## Improve Quality of Life

**Air Quality:** Project expected to improve air quality by

- Reducing emissions
- Reducing vehicle miles traveled
- Not adding capacity
- Increasing access to non-auto modes

**Environmental Justice:** Project enhances environment in location with high percentage low-income or minority residents

**Safety:** Project addresses high accident location based on the absolute number of crashes and the rate at which crashes occur

## Efficiently Transport People

**Congestion:** Project addresses congested area

- Points are awarded for projects addressing areas with Level of Service E or F/areas identified in the Congestion Management System
- For projects within these congested areas, additional points may be awarded based on:
  - Average Annual Daily Traffic
  - Transit Use

**Transportation Justice:** Project improves mobility and eases access to transit and other transportation choices for zero-car households, elderly and persons with disabilities

## Support Activity & Goods Movement

**Freight:** Project supports major freight routes, based on identified truck route bottlenecks

**Economic Development:** Project supports economic development including adding or improving access to brownfields, major employment centers, and existing communities based on defined Delaware State Strategies and Maryland Priority Funding Areas

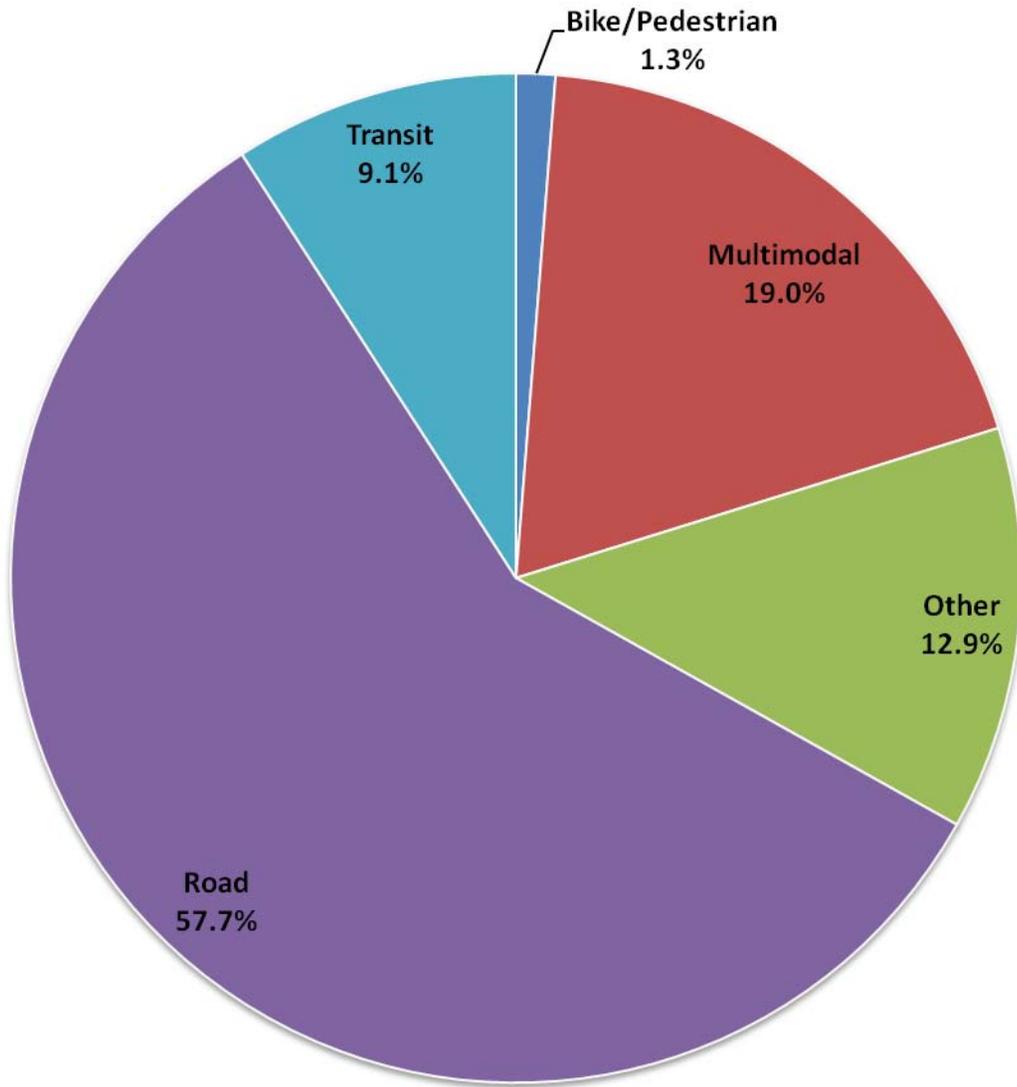
**Funding Contribution:** Local and/or private commitment demonstrated through funding contribution

# TIP Summary Tables

<b>FUNDING BY MODE</b>	<b>FY 2014-2017</b>	<b>Percent</b>	<b>Outyears FY 2018-19</b>
<b>Bike/Pedestrian</b>	25,211.4	1.3%	2,650.0
<b>Multimodal</b>	381,822.3	19.0%	152,569.1
<b>Other</b>	260,253.3	12.9%	113,080.3
<b>Road</b>	1,163,440.1	57.7%	402,326.8
<b>Transit</b>	184,147.8	9.1%	50,619.0
<b>Total (\$s x 1,000)</b>	<b>2,014,874.9</b>		<b>721,245.1</b>

<b>FUNDING BY CATEGORY</b>	<b>FY 2014-2017</b>	<b>Percent</b>	<b>Outyears FY 2018-19</b>
<b>Preservation</b>	803,185.9	39.9%	321,137.1
<b>Other</b>	149,101.5	7.4%	73,838.3
<b>Management</b>	398,611.9	19.8%	145,416.6
<b>Expansion</b>	663,975.7	33.0%	180,853.2
<b>Total (\$s x 1,000)</b>	<b>2,014,874.9</b>		<b>721,245.1</b>

## TIP Funding by Mode



- ***Bike/pedestrian*** – Project exclusively for walking/bicycling
- ***Multimodal***– A complete street project, serves cars, transit, freight, pedestrians and bicycles in a balanced way
- ***Other***– Includes aeronautics, port, contingency funds, environmental, equipment, planning, etc.
- ***Road***-Project exclusively for road
- ***Transit***-Project exclusively for bus transit, passenger rail, or paratransit

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>MODE</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
DE	Bicycle and Pedestrian Improvements	Bike/Pedestrian	16,840.8	2,500.0
NCC	C&D Canal Trail	Bike/Pedestrian	253.5	-
CC	Chesapeake & Delaware (C&D) Canal Trail	Bike/Pedestrian	1,560.0	-
NCC	Grubb Rd: Foulk Rd to SR 92, Pedestrian Imp.	Bike/Pedestrian	-	150.0
NCC	New Castle Co. Industrial Track Greenway, Phase III	Bike/Pedestrian	300.0	-
NCC	Pomeroy Trail	Bike/Pedestrian	-	-
DE	Recreational Trails	Bike/Pedestrian	5,156.0	-
NCC	Talley Rd: East Coast Greenway/Northern DE Greenway	Bike/Pedestrian	1,101.1	-
		<b>Bike/Pedestrian Total</b>	25,211.4	2,650.0
CC	Areawide Urban Street Reconstruction	Multimodal	1,450.0	-
NCC	Boyds Corner Rd: Cedar Lane to US 13 (S. NCC Imp)	Multimodal	-	-
NCC	BR 191 on Milltown Rd over Mill Creek	Multimodal	1,171.7	-
NCC	BR 291, Songsmith Dr over Tributary to Smalley's Pond	Multimodal	395.3	-
NCC	BR 651, Newport Road over CSX	Multimodal	-	-
NCC	Cavaliers Mitigation	Multimodal	1,600.0	-
NCC	Christina River Crossing	Multimodal	34,400.0	15,900.0
NCC	Churchman's Crossing Program	Multimodal	200.0	100.0
NCC	City of New Castle Improvements (SR9/3rd, SR9/6th, SR 9/Harmony)	Multimodal	900.0	3,150.0
DE	Community Transportation Fund	Multimodal	155,475.0	43,550.0
NCC	Elkton Road: Casho Mill Rd to Delaware Ave	Multimodal	50.0	-
NCC	Garasches Lane	Multimodal	592.2	-
NCC	Highway Safety Improvement Program, NCC	Multimodal	34,469.8	6,025.0
NCC	Jamison Corner Rd Relocated to Boyds Corner Rd	Multimodal	8,800.0	-
NCC	Jamison Corner: Boyds Corner Rd to Hyetts Corner Rd	Multimodal	-	-
NCC	Lorewood Grove Rd: RD 412A to SR 1	Multimodal	-	-
CC	MD 272 Bridge over Amtrak	Multimodal	13,756.0	-
DE	Municipal Street Aid	Multimodal	17,000.0	8,000.0
NCC	N412A: Hyetts Corner Rd to Lorewood Grove Rd	Multimodal	515.0	-
NCC	SR 141:Kirkwood Highway to Faulkland Road	Multimodal	-	-
NCC	SR 2, S Union Street: Railroad Bridge to Sycamore St	Multimodal	4,510.0	-
NCC	SR 4, Christina Parkway: SR2 to SR 896	Multimodal	232.4	2,300.0
NCC	SR 7: Newtown Road to SR 273	Multimodal	3,971.5	-
NCC	SR 72: McCoy Road to SR 71	Multimodal	3,075.0	11,207.1
NCC	SR 9, New Castle Ave: 3rd Street to Heald Street	Multimodal	250.0	450.0

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>MODE</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
DE	Traffic Calming	Multimodal	650.0	300.0
DE	Transportation Enhancements	Multimodal	14,811.9	7,631.0
DE	Transportation Facilities, Statewide	Multimodal	26,050.0	16,300.0
DE	Transportation Management (inc. rideshare and signals)	Multimodal	32,517.0	18,760.0
NCC	Tyler McConnell Bridge, SR 141: Montchanin to Alapocas	Multimodal	-	1,000.0
NCC	US 13, Philadelphia Pike: Claymont Plan Implementation	Multimodal	1,175.0	6,750.0
NCC	US 40 and SR 896 Grade Separated Intersection	Multimodal	1,000.0	3,500.0
NCC	US 40 Program Management	Multimodal	50.0	-
NCC	US 40, Pulaski Hwy and SR 72, Wrangle Hill Rd Intersection	Multimodal	12,020.0	7,500.0
NCC	Washington Street, New Castle	Multimodal	4,562.6	-
NCC	Westown Concept Designs and Program Management	Multimodal	-	-
NCC	Westown, Wiggins Mill Rd: Green Giant to St Annes	Multimodal	-	10.0
NCC	Wilmington Riverfront Program (AAA Garage)	Multimodal	3,972.0	136.0
NCC	Wilmington Signal Improvements, Phase II	Multimodal	2,200.0	-
		<b>Multimodal Total</b>	<b>381,822.3</b>	<b>152,569.1</b>
DE	Aeronautics, Statewide	Other	1,824.0	912.0
CC	Areawide Environmental Projects	Other	4,270.0	-
DE	Engineering & Contingency/Education & Training	Other	108,181.6	54,090.8
DE	Environmental Program	Other	2,290.0	1,045.0
DE	Equipment	Other	37,649.0	21,600.0
NCC	Glenville Wetland Bank & Subdivision Improvements	Other	9.0	-
NCC	Mid County DMV	Other	19,254.4	-
DE	Planning	Other	38,629.9	18,702.5
NCC	Port of Wilmington (Rail Program Autoport)	Other	-	-
DE	Statewide Rail Preservation	Other	1,250.0	600.0
DE	Technology	Other	46,895.4	16,130.0
		<b>Other Total</b>	<b>260,253.3</b>	<b>113,080.3</b>
DE	Advance Acquisitions of Right of Way/Corridor Capacity Preservation	Road	-	-
CC	Areawide Bridge Replacement and Rehabilitation	Road	7,300.0	-
CC	Areawide Congestion Management	Road	2,540.0	-
CC	Areawide Resurfacing and Rehabilitation	Road	14,710.0	-
CC	Areawide Safety and Spot Improvements	Road	10,310.0	-
NCC	BR 032 on Foulk Road over S. Branch Naamans Creek	Road	695.0	-
NCC	BR 110 on N239, Pyles Ford Road	Road	27.0	-
NCC	BR 112 on Yorklyn Rd over Red Clay Creek	Road	735.0	-
NCC	BR 159 on James Street over Christina River	Road	5,297.2	-

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>MODE</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
NCC	BR 204 on New Linden Hill Rd over Tributary to Mill Creek	Road	-	-
NCC	BR 212 on Upper Pike Creek Road Scour	Road	-	-
NCC	BR 221 on N301 Pleasant Hill Road over Middle Run	Road	-	-
NCC	BR 227 on Paper Mill Rd over Middle Run Tributary	Road	425.0	-
NCC	BR 229 on SR 2 over White Clay Creek	Road	3,527.0	-
NCC	BR 239, Red Mill Rd. over Tributary to White Clay Creek	Road	589.1	-
NCC	BR 254 Old Newark Rd over Cool Run	Road	690.0	-
NCC	BR 274 on Wedgewood Rd over E. Branch Christina Creek	Road	948.0	-
NCC	BR 330 on Marrows Road over Cool Run	Road	-	-
NCC	BR 366 on N399 Chesapeake City Road over Guthrie Run	Road	15.0	-
NCC	BR 393 on SR 299 over Appoquinimink River	Road	671.0	-
NCC	BR 438, Blackbird Station over Blackbird Creek	Road	613.1	-
NCC	BR 444 on Old Corbitt Road, East of Odessa	Road	2,608.6	-
NCC	BR 488 on US 13 SB, South of Odessa	Road	3,075.0	-
NCC	BR 501 on SR 141 Viaduct over SR 4	Road	9,484.4	-
NCC	BR 543 on Carr Road over Shellpot Creek	Road	720.0	-
NCC	BR 567 on Hay Rd over Shellpot Creek	Road	2,500.0	-
NCC	BR 577 on Northeast Blvd over Brandywine River	Road	1,050.0	-
NCC	BR 585 on N049 Augustine Cutoff over Brandywine Creek	Road	4,287.9	-
NCC	BR 665N & 1-665S on US 13 over Abandon Railroad, Farnhurst	Road	4,517.0	-
NCC	BR 680 on SR 141 over US 13	Road	7,235.0	3,360.0
NCC	BR 687, 688, 693 Wilmington Drawbridge	Road	1,263.2	-
NCC	BR 748, I-95 Wilmington Viaduct	Road	14,100.0	20,000.0
NCC	BR 814 on 12th Street over NS RR	Road	1,126.9	-
NCC	BR 826 Rehabilitation	Road	2,310.0	-
DE	Bridge Management/Inspection Program	Road	29,000.0	15,195.0
DE	Bridge Preservation Program	Road	33,750.0	18,640.0
NCC	Bridge Structure Rehabilitation	Road	10,626.6	-
CC	Cecil County Bridge Preservation (CE-0097 Baron Rd)	Road	-	-
NCC	Cedar Lane: Marl Pit to Boyds Corner Rd (S. NCC Imp)	Road	-	400.0
NCC	I-295 Improvements, Westbound from I-295 to US 13	Road	7,000.0	-
NCC	I-95 & US 202 Interchange	Road	16,978.4	-
NCC	I-95 Turnpike Toll Plaza Rehab & E-Zpass ARRA	Road	-	-
DE	Intersection Improvements	Road	11,472.0	5,736.0
NCC	Interstate Maintenance	Road	6,884.6	1,100.0
DE	Materials & Minor Contracts	Road	24,795.0	12,125.0

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

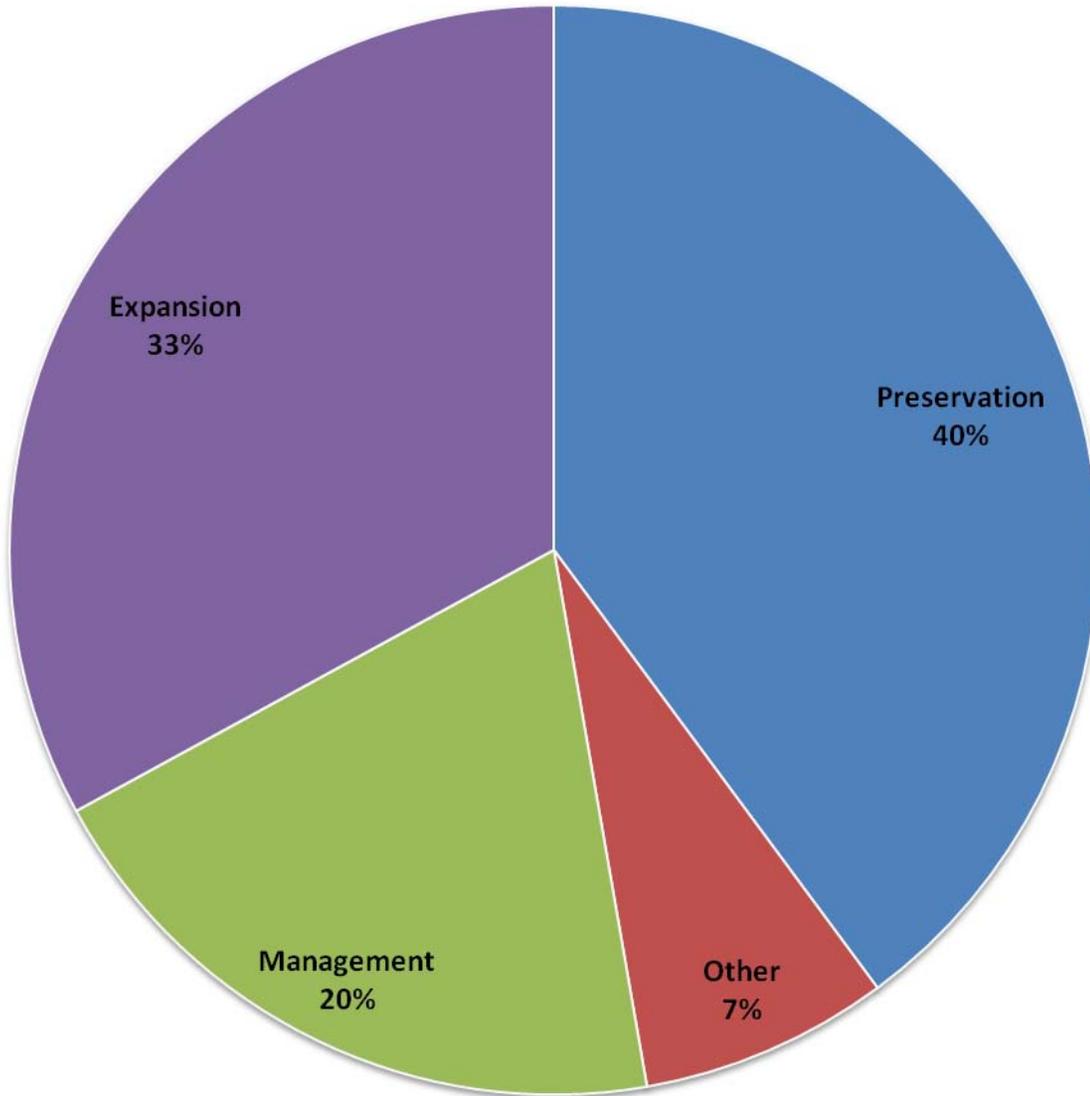
<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>MODE</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
DE	Paving & Rehabilitation	Road	275,258.0	129,000.0
NCC	Possum Park Rd and Old Possum Park Rd Intersection	Road	49.5	480.0
NCC	Pyles Ford Rd, Culvert Replacements	Road	735.3	-
DE	Rail Crossing Safety and Rideability	Road	8,650.0	3,200.0
NCC	Road A and Centre Blvd: Fashion Center Entrance	Road	1,865.3	-
NCC	Road A/SR 7 (Road, Bridge and Mall Connector Study)	Road	11,380.0	-
NCC	S. Market Street Rehabilitation ARRA	Road	-	-
DE	Safety Improvements (Hazard Elimination/High Risk Rural Rd.)	Road	11,188.9	5,444.4
DE	Signage & Pavement Markings	Road	11,688.0	5,544.0
NCC	Southern NCC Project Development	Road	-	-
NCC	SR 1/I-95 Interchange	Road	40,593.7	-
NCC	SR 1: Tybouts Corner to SR 273	Road	64,000.0	40,000.0
NCC	SR 141 & SR 100 Landscaping	Road	-	-
NCC	SR 141 and Commons Blvd. Intersection Improvements	Road	4,600.0	6,000.0
NCC	SR 141/I-95 Interchange	Road	21,250.0	-
NCC	SR 9, River Road Flood Remediation	Road	-	-
NCC	US 301: Maryland Line to SR 1	Road	468,304.2	136,102.3
		<b>Road Total</b>	<b>1,163,440.1</b>	<b>402,326.8</b>
NCC	Beech Street Generator	Transit	275.0	-
NCC	Boyds Corner Park and Ride	Transit	-	-
NCC	Christiana Mall Park and Ride	Transit	475.0	-
NCC	Claymont Station	Transit	1,800.0	6,000.0
DE	Downstate (Delmarva) Intercity Rail Study ARRA	Transit	560.0	-
NCC	DTC Mid County Operations Facility Paving	Transit	659.0	-
NCC	Fairplay Station (Churchmans Xing) Elevator	Transit	602.5	-
NCC	Fairplay Station (Churchmans Xing) Parking	Transit	-	-
CC	Jobs Access and Reverse Commute (JARC) Transit Operating Assistance	Transit	554.0	
CC	New Freedom Transit Operating Assistance	Transit	72.0	
NCC	Newark Train Station/Regional Transportation Center	Transit	33,200.0	-
DE	Performance Contract	Transit	2,050.0	-
NCC	Rail Cars ARRA	Transit	806.0	-
CC	Small Urban Transit - Capital Assistance	Transit	-	-
CC	Small Urban Transit - Operating Assistance	Transit	-	-
NCC	Third Rail Track Expansion (NE Corridor Imp., Orange St BR)	Transit	39,500.0	-
NCC	Transit (Fixed Route) Vehicle Expansion, NCC	Transit	5,537.7	1,554.2
NCC	Transit (Fixed Route) Vehicle Replacement and Refurbishment, NCC	Transit	32,598.0	10,300.3

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>MODE</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
NCC	Transit (Paratransit) Vehicle Expansion, NCC	Transit	3,184.7	2,196.7
NCC	Transit (Paratransit) Vehicle Replacement and Refurbishment, NCC	Transit	15,077.3	11,957.8
DE	Transit Facilities, Statewide	Transit	3,112.8	200.0
NCC	Transit Preventive Maintenance, NCC	Transit	26,000.0	13,000.0
DE	Transit Vehicles Replace & Refurbish, Statewide	Transit	14,758.9	5,410.0
NCC	Transportation Enhancements, NCC Transit	Transit	-	-
NCC	Wilmington Ops. Ctr/Admin Bldg / Master Plan	Transit	1,325.0	-
NCC	Wilmington Transit Hub	Transit	800.0	-
NCC	Wilmington UST Replacement - State of Good Repair	Transit	1,200.0	-
		<b>Transit Total</b>	184,147.8	50,619.0
		<b>Grand Total</b>	2,014,874.9	721,245.1

## TIP Funding by WILMAPCO Category



- **Preservation** – Maintain an existing facility or service
- **Management** – Enhance existing facility or service to sustain an acceptable level of service
- **Expansion** – New or expanded services and infrastructure
- **Other** – Engineering & contingency, education & training, environmental program and planning

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>WILMAPCO CATEGORY</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
CC	Areawide Bridge Replacement and Rehabilitation	Preservation	7,300.0	-
CC	Areawide Environmental Projects	Preservation	4,270.0	-
CC	Areawide Resurfacing and Rehabilitation	Preservation	14,710.0	-
CC	Areawide Safety and Spot Improvements	Preservation	10,310.0	-
CC	Areawide Urban Street Reconstruction	Preservation	1,450.0	-
NCC	Beech Street Generator	Preservation	275.0	-
NCC	BR 032 on Foulk Road over S. Branch Naamans Creek	Preservation	695.0	-
NCC	BR 110 on N239, Pyles Ford Road	Preservation	27.0	-
NCC	BR 112 on Yorklyn Rd over Red Clay Creek	Preservation	735.0	-
NCC	BR 159 on James Street over Christina River	Preservation	5,297.2	-
NCC	BR 191 on Milltown Rd over Mill Creek	Preservation	1,171.7	-
NCC	BR 204 on New Linden Hill Rd over Tributary to Mill Creek	Preservation	-	-
NCC	BR 212 on Upper Pike Creek Road Scour	Preservation	-	-
NCC	BR 221 on N301 Pleasant Hill Road over Middle Run	Preservation	-	-
NCC	BR 227 on Paper Mill Rd over Middle Run Tributary	Preservation	425.0	-
NCC	BR 229 on SR 2 over White Clay Creek	Preservation	3,527.0	-
NCC	BR 239, Red Mill Rd. over Tributary to White Clay Creek	Preservation	589.1	-
NCC	BR 254 Old Newark Rd over Cool Run	Preservation	690.0	-
NCC	BR 274 on Wedgewood Rd over E. Branch Christina Creek	Preservation	948.0	-
NCC	BR 291, Songsmith Dr over Tributary to Smalley's Pond	Preservation	395.3	-
NCC	BR 330 on Marrows Road over Cool Run	Preservation	-	-
NCC	BR 366 on N399 Chesapeake City Road over Guthrie Run	Preservation	15.0	-
NCC	BR 393 on SR 299 over Appoquinimink River	Preservation	671.0	-
NCC	BR 438, Blackbird Station over Blackbird Creek	Preservation	613.1	-
NCC	BR 444 on Old Corbitt Road, East of Odessa	Preservation	2,608.6	-
NCC	BR 488 on US 13 SB, South of Odessa	Preservation	3,075.0	-
NCC	BR 501 on SR 141 Viaduct over SR 4	Preservation	9,484.4	-
NCC	BR 543 on Carr Road over Shellpot Creek	Preservation	720.0	-
NCC	BR 567 on Hay Rd over Shellpot Creek	Preservation	2,500.0	-
NCC	BR 577 on Northeast Blvd over Brandywine River	Preservation	1,050.0	-
NCC	BR 585 on N049 Augustine Cutoff over Brandywine Creek	Preservation	4,287.9	-
NCC	BR 651, Newport Road over CSX	Preservation	-	-
NCC	BR 665N & 1-665S on US 13 over Abandon Railroad, Farnhurst	Preservation	4,517.0	-
NCC	BR 680 on SR 141 over US 13	Preservation	7,235.0	3,360.0
NCC	BR 687, 688, 693 Wilmington Drawbridge	Preservation	1,263.2	-

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>WILMAPCO CATEGORY</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
NCC	BR 748, I-95 Wilmington Viaduct	Preservation	14,100.0	20,000.0
NCC	BR 814 on 12th Street over NS RR	Preservation	1,126.9	-
NCC	BR 826 Rehabilitation	Preservation	2,310.0	-
DE	Bridge Preservation Program	Preservation	33,750.0	18,640.0
NCC	Bridge Structure Rehabilitation	Preservation	10,626.6	-
CC	Cecil County Bridge Preservation (CE-0097 Baron Rd)	Preservation	-	-
DE	Community Transportation Fund	Preservation	155,475.0	43,550.0
DE	Equipment	Preservation	37,649.0	21,600.0
NCC	Glenville Wetland Bank & Subdivision Improvements	Preservation	9.0	-
NCC	Interstate Maintenance	Preservation	6,884.6	1,100.0
CC	Jobs Access and Reverse Commute (JARC) Transit Operating Assistance	Preservation	554.0	
DE	Materials & Minor Contracts	Preservation	24,795.0	12,125.0
DE	Municipal Street Aid	Preservation	17,000.0	8,000.0
CC	New Freedom Transit Operating Assistance	Preservation	72.0	
DE	Paving & Rehabilitation	Preservation	275,258.0	129,000.0
NCC	Pyles Ford Rd, Culvert Replacements	Preservation	735.3	-
DE	Signage & Pavement Markings	Preservation	11,688.0	5,544.0
CC	Small Urban Transit - Capital Assistance	Preservation	-	-
CC	Small Urban Transit - Operating Assistance	Preservation	-	-
NCC	SR 9, New Castle Ave: 3rd Street to Heald Street	Preservation	250.0	450.0
NCC	SR 9, River Road Flood Remediation	Preservation	-	-
DE	Statewide Rail Preservation	Preservation	1,250.0	600.0
NCC	Transit (Fixed Route) Vehicle Replacement and Refurbishment, NCC	Preservation	32,598.0	10,300.3
NCC	Transit (Paratransit) Vehicle Replacement and Refurbishment, NCC	Preservation	15,077.3	11,957.8
DE	Transit Facilities, Statewide	Preservation	3,112.8	200.0
NCC	Transit Preventive Maintenance, NCC	Preservation	26,000.0	13,000.0
DE	Transit Vehicles Replace & Refurbish, Statewide	Preservation	14,758.9	5,410.0
DE	Transportation Facilities, Statewide	Preservation	26,050.0	16,300.0
NCC	Wilmington UST Replacement - State of Good Repair	Preservation	1,200.0	-
		<b>Preservation Total</b>	<b>803,185.9</b>	<b>321,137.1</b>
DE	Engineering & Contingency/Education & Training	Other	108,181.6	54,090.8
DE	Environmental Program	Other	2,290.0	1,045.0
DE	Planning	Other	38,629.9	18,702.5
		<b>Other Total</b>	<b>149,101.5</b>	<b>73,838.3</b>
DE	Advance Acquisitions of Right of Way/Corridor Capacity Preservation	Management	-	-
DE	Aeronautics, Statewide	Management	1,824.0	912.0
CC	Areawide Congestion Management	Management	2,540.0	-

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>WILMAPCO CATEGORY</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
DE	Bicycle and Pedestrian Improvements	Management	16,840.8	2,500.0
NCC	Boyds Corner Park and Ride	Management	-	-
NCC	Boyds Corner Rd: Cedar Lane to US 13 (S. NCC Imp)	Management	-	-
DE	Bridge Management/Inspection Program	Management	29,000.0	15,195.0
NCC	C&D Canal Trail	Management	253.5	-
NCC	Cavaliers Mitigation	Management	1,600.0	-
NCC	Cedar Lane: Marl Pit to Boyds Corner Rd (S. NCC Imp)	Management	-	400.0
CC	Chesapeake & Delaware (C&D) Canal Trail	Management	1,560.0	-
NCC	Christiana Mall Park and Ride	Management	475.0	-
NCC	Christina River Crossing	Management	34,400.0	15,900.0
NCC	Churchman's Crossing Program	Management	200.0	100.0
NCC	City of New Castle Improvements (SR9/3rd, SR9/6th, SR 9/Harmony)	Management	900.0	3,150.0
NCC	Claymont Station	Management	1,800.0	6,000.0
NCC	DTC Mid County Operations Facility Paving	Management	659.0	-
NCC	Elkton Road: Casho Mill Rd to Delaware Ave	Management	50.0	-
NCC	Fairplay Station (Churchmans Xing) Elevator	Management	602.5	-
NCC	Fairplay Station (Churchmans Xing) Parking	Management	-	-
NCC	Garasches Lane	Management	592.2	-
NCC	Grubb Rd: Foulk Rd to SR 92, Pedestrian Imp.	Management	-	150.0
NCC	Highway Safety Improvement Program, NCC	Management	34,469.8	6,025.0
DE	Intersection Improvements	Management	11,472.0	5,736.0
NCC	Jamison Corner Rd Relocated to Boyds Corner Rd	Management	8,800.0	-
NCC	Jamison Corner: Boyds Corner Rd to Hyetts Corner Rd	Management	-	-
NCC	Lorewood Grove Rd: RD 412A to SR 1	Management	-	-
CC	MD 272 Bridge over Amtrak	Management	13,756.0	-
NCC	Mid County DMV	Management	19,254.4	-
NCC	N412A: Hyetts Corner Rd to Lorewood Grove Rd	Management	515.0	-
NCC	Newark Train Station/Regional Transportation Center	Management	33,200.0	-
DE	Performance Contract	Management	2,050.0	-
NCC	Port of Wilmington (Rail Program Autoport)	Management	-	-
NCC	Possum Park Rd and Old Possum Park Rd Intersection	Management	49.5	480.0
NCC	Rail Cars ARRA	Management	806.0	-
DE	Rail Crossing Safety and Rideability	Management	8,650.0	3,200.0
DE	Recreational Trails	Management	5,156.0	-
NCC	S. Market Street Rehabilitation ARRA	Management	-	-
DE	Safety Improvements (Hazard Elimination/High Risk Rural Rd.)	Management	11,188.9	5,444.4
NCC	Southern NCC Project Development	Management	-	-

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>WILMAPCO CATEGORY</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
NCC	SR 141 & SR 100 Landscaping	Management	-	-
NCC	SR 141 and Commons Blvd. Intersection Improvements	Management	4,600.0	6,000.0
NCC	SR 141/I-95 Interchange	Management	21,250.0	-
NCC	SR 141:Kirkwood Highway to Faulkland Road	Management	-	-
NCC	SR 2, S Union Street: Railroad Bridge to Sycamore St	Management	4,510.0	-
NCC	SR 4, Christina Parkway: SR2 to SR 896	Management	232.4	2,300.0
NCC	SR 72: McCoy Road to SR 71	Management	3,075.0	11,207.1
NCC	Talley Rd: East Coast Greenway/Northern DE Greenway	Management	1,101.1	-
DE	Technology	Management	46,895.4	16,130.0
DE	Traffic Calming	Management	650.0	300.0
DE	Transportation Enhancements	Management	14,811.9	7,631.0
NCC	Transportation Enhancements, NCC Transit	Management	-	-
DE	Transportation Management (inc. rideshare and signals)	Management	32,517.0	18,760.0
NCC	US 13, Philadelphia Pike: Claymont Plan Implementation	Management	1,175.0	6,750.0
NCC	US 40 and SR 896 Grade Separated Intersection	Management	1,000.0	3,500.0
NCC	US 40 Program Management	Management	50.0	-
NCC	US 40, Pulaski Hwy and SR 72, Wrangle Hill Rd Intersection	Management	12,020.0	7,500.0
NCC	Washington Street, New Castle	Management	4,562.6	-
NCC	Westown Concept Designs and Program Management	Management	-	-
NCC	Westown, Wiggins Mill Rd: Green Giant to St Annes	Management	-	10.0
NCC	Wilmington Ops. Ctr/Admin Bldg / Master Plan	Management	1,325.0	-
NCC	Wilmington Riverfront Program (AAA Garage)	Management	3,972.0	136.0
NCC	Wilmington Signal Improvements, Phase II	Management	2,200.0	-
		<b>Management Total</b>	<b>398,611.9</b>	<b>145,416.6</b>
DE	Downstate (Delmarva) Intercity Rail Study ARRA	Expansion	560.0	-
NCC	I-295 Improvements, Westbound from I-295 to US 13	Expansion	7,000.0	-
NCC	I-95 & US 202 Interchange	Expansion	16,978.4	-
NCC	I-95 Turnpike Toll Plaza Rehab & E-Zpass ARRA	Expansion	-	-
NCC	New Castle Co. Industrial Track Greenway, Phase III	Expansion	300.0	-
NCC	Pomeroy Trail	Expansion	-	-
NCC	Road A and Centre Blvd: Fashion Center Entrance	Expansion	1,865.3	-
NCC	Road A/SR 7 (Road, Bridge and Mall Connector Study)	Expansion	11,380.0	-
NCC	SR 1/I-95 Interchange	Expansion	40,593.7	-
NCC	SR 1: Tybouts Corner to SR 273	Expansion	64,000.0	40,000.0
NCC	SR 7: Newtown Road to SR 273	Expansion	3,971.5	-
NCC	Third Rail Track Expansion (NE Corridor Imp., Orange St BR)	Expansion	39,500.0	-
NCC	Transit (Fixed Route) Vehicle Expansion, NCC	Expansion	5,537.7	1,554.2

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

<b>Location</b>	<b>PROJECT TITLE (All \$ x 1,000)</b>	<b>WILMAPCO CATEGORY</b>	<b>TOTAL FY 2014-17</b>	<b>OUTYEARS TOTAL FY2018-19</b>
NCC	Transit (Paratransit) Vehicle Expansion, NCC	Expansion	3,184.7	2,196.7
NCC	Tyler McConnell Bridge, SR 141: Montchanin to Alapocas	Expansion	-	1,000.0
NCC	US 301: Maryland Line to SR 1	Expansion	468,304.2	136,102.3
NCC	Wilmington Transit Hub	Expansion	800.0	-
		<b>Expansion Total</b>	663,975.7	180,853.2
		<b>Grand Total</b>	2,014,874.9	721,245.1

# Integrating the Congestion Management System

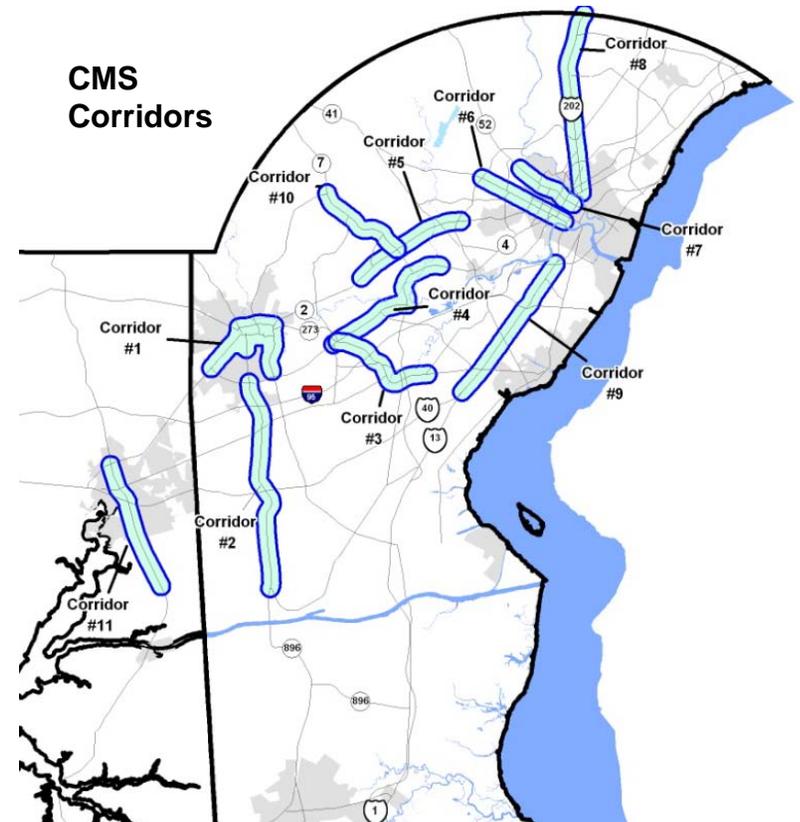
Under federal transportation legislation, metropolitan planning areas are required to develop a system wide congestion management process to assist with identifying, analyzing and addressing congestion in the region. Additionally, in areas that are not in attainment of federal air quality standards, such as WILMAPCO’s region, a wide range of transportation solutions must be fully investigated and transportation demand strategies implemented wherever feasible before new roadway capacity can be constructed. WILMAPCO’s Congestion Management System (CMS) supports the regional transportation planning process by screening the major corridors in our region to determine need and to examine feasible options for improvement. The CMS is multi-modal in that it considers congestion on the regional transit system, as well as the regional roadway system

To facilitate evaluation, a “toolbox” of congestion mitigation measures was assembled that includes all strategies that could be used to address congestion. This strategy “toolbox” was set-up in a hierarchy so that the first strategies take precedence over those below. The general categories for this toolbox are as follows:

**WILMAPCO CMS “TOOLBOX” STRATEGIES**

- Strategy #1:** Eliminate car trips or reduce Vehicle Miles Traveled (VMT) during peak congestion hours
- Strategy #2:** Shift trips from automobile to other modes of transportation
- Strategy #3:** Shift trips from single-occupancy vehicles to higher-occupancy vehicles (vans, buses, etc.)
- Strategy #4:** Improve roadway operations (timing of lights, toll booths, highway message boards)
- Strategy #5:** Add roadway capacity (adding lanes or roads)

This “top-down” approach ensures that solutions which would eliminate or shift auto trips or improve roadway operations are evaluated before adding roadway capacity. This hierarchy is consistent with WILMAPCO’s overall goals for the region and with the USDOT charge to address all other possible solutions before recommending road capacity increases.



**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

The WILMAPCO Congestion Management System identified 14 corridors in New Castle and Cecil County that met the established criteria for congestion. The following table shows projects that are currently funded in each corridor.

<b>CMS Corridor</b>	<b>Project Name</b>	<b>Mitigation Strategy</b>
#1	Elkton Road: Casho Mill Rd to Delaware Ave, Reconstruction, Improve intersection	4-1
#1	Elkton Road: MD Line to Casho Mill Rd, Reconstruction, Intersection Improvements	4-1
#1	Pomeroy Trail, Construction of Bicycle & Pedestrian Pathway	2-9 & 2-10
#1,4,6	Third Rail Track Expansion, Newark to Wilmington	2-1 & 2-3
#2	US 40 and 896 interchange - Grade Separated Intersection	5-2
#3	Road A/SR 7, Widening & reconfiguration of intersections	4-1 & 5-1
#3	SR 7: Newtown Road to SR 273, Widen from 2 to 4 lanes	5-1
#4	Churchman's Crossing, Fairplay Station - Parking Expansion	3-4
#5	SR 141:Kirkwood Hwy to Faulkland Rd, Construct 4-Lane Arterial	5-1
#6	S Union Street, SR 2: Railroad Bridge to Sycamore St, Sidewalk & Curb Replacement	2-8 & 2-10
#6	Wilmington Riverfront - AAA Parking Garage	3-4
#6	Market Street Safety Improvements	4-1 & 4-4
#6,7,8	Wilmington Signal Improvements, Phase II	4-3
#7	Wilmington Transit Hub	2-2, 2-3 & 2-5
#8	I-95 and US 202 Interchange, Widening of Ramp	5-1
#9	I-295 Improvements, from I-295 to US 13	
#10	No projects currently scheduled	----
#11	No projects currently scheduled	----

# Addressing Transportation Equity

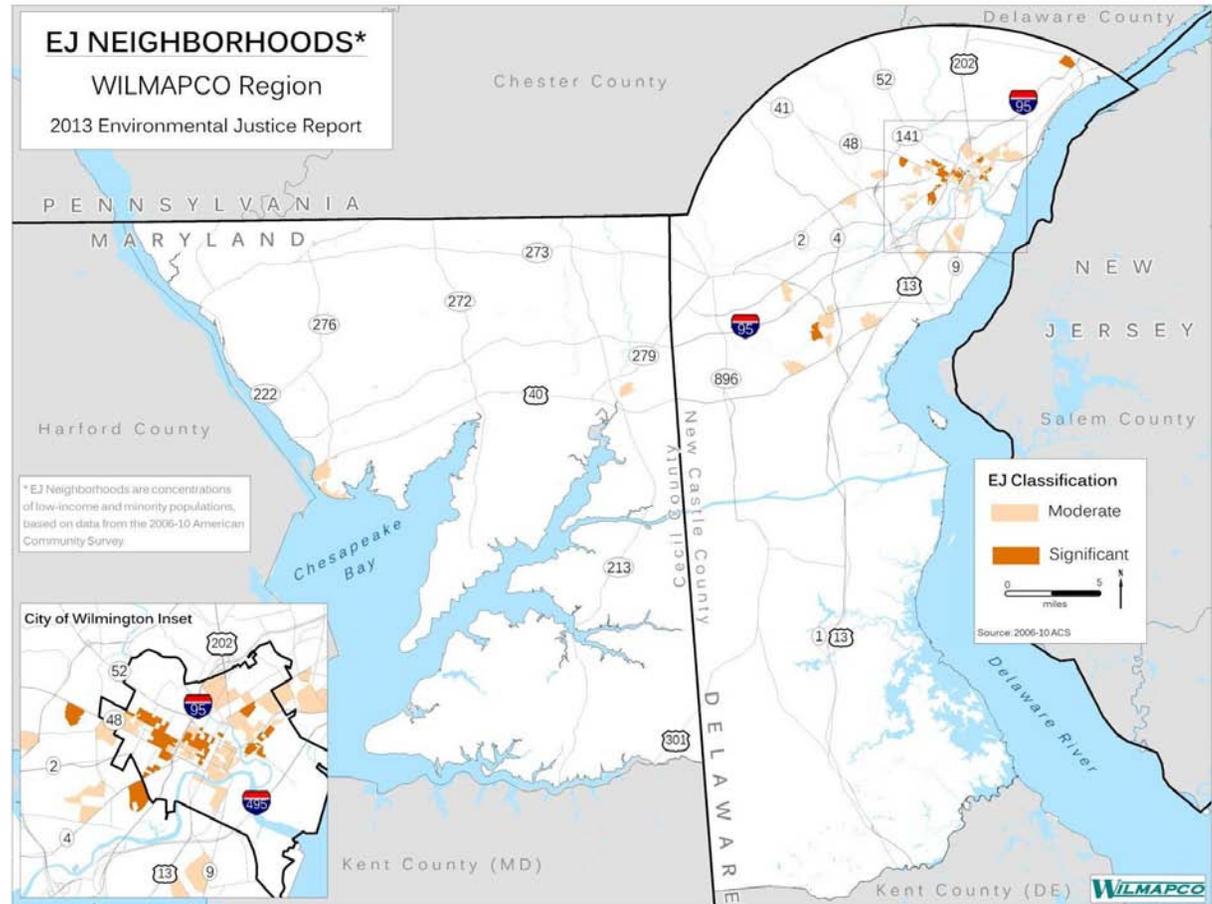
Transportation Equity, often referred to as Environmental Justice (EJ), is based in Title VI of the Civil Rights Act of 1964 and a 1994 Presidential Executive Order making equity part of the mission of every federal agency. As an MPO, we serve as the forum where DOTs, transit providers, local agencies, state and the public develop local transportation plans and programs for our region. MPO’s must carry out three tasks to comply with the Transportation Equity initiative:

- Identify residential, employment, and transportation patterns of low-income and minority populations so that their needs can be identified and addressed, and the benefits and burdens of transportation investments can be fairly distributed.
- Enhance analytical capabilities for use in the Long Range Plan and the TIP to ensure Title VI requirements are met.
- Evaluate and, where necessary, improve public involvement processes to eliminate participation barriers and include low-income and minority populations in transportation decision making.

To determine where minority and low-income populations are located, a methodology was developed that first defined which population segments should be considered. Guidelines on Environmental Justice provided by the Federal Highway Administration (FHWA) listed the general criteria to use to identify concentrations of Minority / Low Income populations. These criteria are:

- Minority Population
- Hispanic Population
- Low Income (Household Poverty Levels)

In 2007, WILMAPCO completed phase two of our transportation equity analysis which identified “Transportation Justice Areas”. This analysis broadened the spectrum of communities considered transportation disadvantaged beyond those required by federal mandate. Separate from EJ (low-income and minority) populations, these Transportation Justice (TJ) populations include the elderly, the disabled, and households without an automobile.



**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

The table below contains a listing of all projects that fall within an identified Environmental Justice or Transportation Justice area.

<b>Location</b>	<b>Project Title</b>	<b>EJ</b>	<b>TJ</b>
NCC	BR 330 on Marrows Road over Cool Run	YES	YES
NCC	BR 651, Newport Road over CSX	YES	YES
NCC	BR 687, 688, 693 Wilmington Drawbridge	YES	
NCC	S Union Street, SR 2: Railroad Bridge to Sycamore St	YES	YES
NCC	SR 141:Kirkwood Highway to Faulkland Road	YES	YES
NCC	Third Rail Track Expansion	YES	YES
NCC	US 13, Philadelphia Pike: Claymont Plan Implementation	YES	YES
NCC	Wilmington Operations Center	YES	YES
NCC	Wilmington Signal Improvements	YES	YES
NCC	Interstate Maintenance	YES	
NCC	New Castle Airport: Airport Rd and Churchmans Rd Intersection	YES	
NCC	SR 1: Tybouts Corner to SR 273	YES	
NCC	SR 7: Newtown Road to SR 273	YES	
NCC	Wilmington Riverfront	YES	
NCC	Christina River Crossing		YES
NCC	I-295 Improvements		YES
NCC	Washington Street, New Castle		YES

# Comparison of FY2014 TIP (3/2013) with Amended TIP (9/2013)

-	New project
-	
	Funding Increase vs. March FY 2014-17 TIP
	Funding Decrease vs. March FY 2014-17 TIP

	PROJECT TITLE <i>(All \$ x 1,000)</i>	FY 2014-17 TIP, March 2013						Amended FY 2014-17 TIP, September 2013						Difference
		FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014-17	OUTYEARS TOTAL FY2018-19	FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014- 17	OUTYEARS TOTAL FY2018-19	Between Draft & FY2014 TIP
1	<b>DELAWARE- STATEWIDE</b>													
2	Advance Acquisitions of Right of Way/Corridor Capacity Preservation	-	3,000	-	-	3,000	-	-	-	-	-	-	-	-3,000
3	Aeronautics, Statewide	456	456	456	456	1,824	912	456	456	456	456	1,824	912	-
4	Bicycle and Pedestrian Improvements	11,019	1,250	1,250	1,250	14,769	2,500	11,019	4,047	525	1,250	16,841	2,500	2,072
5	Bridge Management/Inspection Program	4,300	4,300	4,300	4,300	17,200	7,320	4,900	7,600	7,950	8,550	29,000	15,195	11,800
6	Bridge Preservation Program	1,300	7,500	10,000	15,150	33,950	42,000	1,100	7,500	10,000	15,150	33,750	18,640	-200
7	Community Transportation Fund	41,775	41,775	31,775	31,775	147,100	43,550	50,150	41,775	31,775	31,775	155,475	43,550	8,375
8	Downstate (Delmarva) Intercity Rail Study ARRA	-	-	-	-	-	-	560	-	-	-	560	-	560
9	Engineering & Contingency/Education & Training	27,045	27,045	27,045	27,045	108,182	54,091	27,045	27,045	27,045	27,045	108,182	54,091	-
10	Environmental Program	523	523	723	523	2,290	1,045	523	523	723	523	2,290	1,045	-
11	Equipment	6,449	10,400	10,400	10,400	37,649	21,600	6,449	10,400	10,400	10,400	37,649	21,600	-
12	Intersection Improvements	3,068	2,268	3,068	3,068	11,472	5,736	3,068	2,268	3,068	3,068	11,472	5,736	-
13	Materials & Minor Contracts	5,000	4,300	4,300	4,500	18,100	10,000	6,430	6,065	6,050	6,250	24,795	12,125	6,695
14	Municipal Street Aid	4,000	4,000	4,000	4,000	16,000	8,000	5,000	4,000	4,000	4,000	17,000	8,000	1,000
15	Paving & Rehabilitation	63,808	67,500	52,750	55,500	239,558	129,000	89,308	77,500	52,950	55,500	275,258	129,000	35,700

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

	PROJECT TITLE <i>(All \$ x 1,000)</i>	FY 2014-17 TIP, March 2013						Amended FY 2014-17 TIP, September 2013						Difference
		FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014-17	OUTYEARS TOTAL FY2018-19	FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014- 17	OUTYEARS TOTAL FY2018-19	Between Draft & FY2014 TIP
16	Performance Contract	1,500	550	-	-	2,050	-	1,500	550	-	-	2,050	-	-
17	Planning	9,617	8,568	9,337	8,938	36,460	18,023	10,767	8,908	9,677	9,278	38,630	18,703	2,170
18	Rail Crossing Safety and Rideability	1,612	1,403	1,703	1,403	6,121	3,223	3,550	1,600	1,900	1,600	8,650	3,200	2,529
19	Recreational Trails	1,106	1,350	1,350	1,350	5,156	-	1,106	1,350	1,350	1,350	5,156	-	-
20	Safety Improvements (Hazard Elimination/High Risk Rural Rd.)	2,722	2,722	2,722	2,722	10,889	5,444	3,022	2,722	2,722	2,722	11,189	5,444	300
21	Signage & Pavement Markings	2,972	2,972	2,972	2,772	11,688	5,544	2,972	2,972	2,972	2,772	11,688	5,544	-
22	Statewide Rail Preservation	350	300	300	300	1,250	600	350	300	300	300	1,250	600	-
23	Technology	12,577	12,065	12,065	10,065	46,772	16,130	12,700	12,065	12,065	10,065	46,895	16,130	123
24	Traffic Calming	150	150	200	150	650	300	150	150	200	150	650	300	-
25	Transit Facilities, Statewide	2,023	-	-	-	2,023	-	2,413	500	100	100	3,113	200	1,090
26	Transit Vehicles Replace & Refurbish, Statewide	5,231	3,920	2,561	2,687	14,399	5,410	5,426	3,913	2,730	2,690	14,759	5,410	360
27	Transportation Enhancements	2,440	3,491	3,591	4,191	13,712	7,631	3,540	3,491	3,591	4,191	14,812	7,631	1,100
28	Transportation Facilities, Statewide	7,700	6,000	6,000	6,350	26,050	16,300	7,700	6,000	6,000	6,350	26,050	16,300	-
29	Transportation Management (inc. rideshare and signals)	4,077	6,480	5,480	5,480	21,517	14,760	4,077	6,480	10,480	11,480	32,517	18,760	11,000
30								-						-
31	<b>NEW CASTLE COUNTY</b>							-						-
32	Beech Street Generator	-	25	250	-	275	-	25	250	-	-	275	-	-
33	Boyds Corner Park and Ride	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Boyds Corner Rd: Cedar Lane to US 13 (S. NCC Imp)	-	-	-	-	-	-	-	-	-	-	-	-	-
35	BR 032 on Foulk Road over S. Branch Naamans Creek	-	30	650	-	680	-	15	30	650	-	695	-	15
36	BR 110 on N239, Pyles Ford Road	-	17	-	-	17	-	27	-	-	-	27	-	10
37	BR 112 on Yorklyn Rd over Red Clay Creek	-	131	18	-	149	-	-	30	30	675	735	-	586

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

	PROJECT TITLE <i>(All \$ x 1,000)</i>	FY 2014-17 TIP, March 2013					Amended FY 2014-17 TIP, September 2013						Difference	
		FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014-17	OUTYEARS TOTAL FY2018-19	FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014- 17	OUTYEARS TOTAL FY2018-19	Between Draft & FY2014 TIP
38	BR 159 on James Street over Christina River	2,405	2,875	-	-	5,280	-	297	2,125	2,875	-	5,297	-	17
39	BR 191 on Milltown Rd over Mill Creek							16	20	1,136	-	1,172	-	1,172
40	BR 204 on New Linden Hill Rd over Tributary to Mill Creek	-	-	-	-	-	-	-	-	-	-	-	-	-
41	BR 212 on Upper Pike Creek Road Scour	-	-	-	-	-	-	-	-	-	-	-	-	-
42	BR 221 on N301 Pleasant Hill Road over Middle Run	-	-	-	-	-	-	-	-	-	-	-	-	-
43	BR 227 on Paper Mill Rd over Middle Run Tributary							20	25	380	-	425	-	425
44	BR 229 on SR 2 over White Clay Creek	334	-	3,143	-	3,477	-	300	84	3,143	-	3,527	-	50
45	BR 239, Red Mill Rd. over Tributary to White Clay Creek	50	-	500	-	550	-	37	46	506	-	589	-	39
46	BR 254 Old Newark Rd over Cool Run	50	-	600	-	650	-	55	35	600	-	690	-	40
47	BR 274 on Wedgewood Rd over E. Branch Christina Creek	20	-	-	-	20	-	948	-	-	-	948	-	928
48	BR 291, Songsmith Dr over Tributary to Smalley's Pond							20	44	332	-	395	-	395
49	BR 330 on Marrows Road over Cool Run	-	-	-	-	-	-	-	-	-	-	-	-	-
50	BR 366 on N399 Chesapeake City Road over Guthrie Run	-	-	-	-	-	-	15	-	-	-	15	-	15
51	BR 393 on SR 299 over Appoquinimink River	-	68	-	-	68	-	200	68	403	-	671	-	603
52	BR 438, Blackbird Station over Blackbird Creek							37	46	530	-	613	-	613
53	BR 444 on Old Corbitt Road, East of Odessa	9	-	1,501	-	1,510	-	9	-	2,600	-	2,609	-	1,099
54	BR 488 on US 13 SB, South of Odessa							37	13	-	3,025	3,075	-	3,075

FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM

Amended September 12, 2013

PROJECT TITLE <i>(All \$ x 1,000)</i>		FY 2014-17 TIP, March 2013					Amended FY 2014-17 TIP, September 2013						Difference	
		FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014-17	OUTYEARS TOTAL FY2018-19	FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014- 17	OUTYEARS TOTAL FY2018-19	Between Draft & FY2014 TIP
55	BR 501 on SR 141 Viaduct over SR 4	5,247	-	-	-	5,247	-	8,693	791	-	-	9,484	-	4,237
56	BR 543 on Carr Road over Shellpot Creek	-	37	35	-	72	-	30	42	648	-	720	-	648
57	BR 567 on Hay Rd over Shellpot Creek	340	30	-	-	370	-	340	370	1,790	-	2,500	-	2,130
58	BR 577 on Northeast Blvd over Brandywine River							10	10	-	1,030	1,050	-	1,050
59	BR 585 on N049 Augustine Cutoff over Brandywine Creek	2,800	200	-	-	3,000	-	4,288	-	-	-	4,288	-	1,288
60	BR 651, Newport Road over CSX	-	-	-	-	-	-	-	-	-	-	-	-	-
61	BR 665N & 1-665S on US 13 over Abandon Railroad, Farnhurst	2,655	2,460	-	-	5,115	-	2,097	2,421	-	-	4,517	-	-598
62	BR 680 on SR 141 over US 13							180	575	480	6,000	7,235	3,360	7,235
63	BR 687, 688, 693 Wilmington Drawbridge	-	-	-	-	-	-	1,263	-	-	-	1,263	-	1,263
64	BR 748, I-95 Wilmington Viaduct							-	2,000	2,100	10,000	14,100	20,000	14,100
65	BR 814 on 12th Street over NS RR							10	33	1,084	-	1,127	-	1,127
66	BR 826 Rehabilitation	-	2,300	-	-	2,300	-	2,310	-	-	-	2,310	-	10
67	Bridge Structure Rehabilitation	900	-	-	-	900	-	4,727	4,975	925	-	10,627	-	9,727
68	Cavaliers Mitigation							600	1,000	-	-	1,600	-	1,600
69	C&D Canal Trail	-	-	-	-	-	-	254	-	-	-	254	-	254
70	Cedar Lane: Marl Pit to Boyds Corner Rd (S. NCC Imp)	-	-	-	-	-	-	-	-	-	-	-	400	-
71	Christiana Mall Park and Ride	-	-	-	-	-	-	150	325	-	-	475	-	475
72	Christina River Crossing	8,300	4,200	3,000	16,000	31,500	17,900	9,300	6,100	3,000	16,000	34,400	15,900	2,900
73	Churchman's Crossing Program	50	-	-	-	50	-	50	50	50	50	200	100	150
74	City of New Castle Improvements (SR9/3rd, SR9/6th, SR 9/Harmony)	-	200	-	700	900	1,350	-	200	-	700	900	3,150	-
75	Claymont Station	-	200	1,600	-	1,800	-	-	200	800	800	1,800	6,000	-

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

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		FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014-17	OUTYEARS TOTAL FY2018-19	FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014- 17	OUTYEARS TOTAL FY2018-19	Between Draft & FY2014 TIP
76	DTC Mid County Operations Facility Paving	335	-	-	-	335	-	659	-	-	-	659	-	324
77	Elkton Road: Casho Mill Rd to Delaware Ave	-	-	-	-	-	-	50	-	-	-	50	-	50
78	Fairplay Station (Churchmans Xing) Elevator	588	-	-	-	588	-	603	-	-	-	603	-	14
79	Fairplay Station (Churchmans Xing) Parking	-	-	-	-	-	-	-	-	-	-	-	-	-
80	Garasches Lane	-	-	-	-	-	-	592	-	-	-	592	-	592
81	Glenville Wetland Bank & Subdivision Improvements	9	-	-	-	9	-	9	-	-	-	9	-	-
82	Grubb Rd: Foulk Rd to SR 92, Pedestrian Imp.	-	-	-	-	-	-	-	-	-	-	150	-	-
83	Highway Safety Improvement Program, NCC	4,010	7,458	13,573	5,800	30,840	6,150	5,134	8,178	10,958	10,200	34,470	6,025	3,630
84	I-295 Improvements, Westbound from I-295 to US 13	1,000	-	-	-	1,000	-	2,000	2,000	3,000	-	7,000	-	6,000
85	I-95 & US 202 Interchange	11,249	6,833	-	-	18,082	-	12,287	4,691	-	-	16,978	-	-1,104
86	I-95 Turnpike Toll Plaza Rehab & E-Zpass ARRA	-	-	-	-	-	-	-	-	-	-	-	-	-
87	Interstate Maintenance	6,826	3,037	2,000	2,000	13,863	4,000	2,040	1,650	2,020	1,175	6,885	1,100	-6,979
88	Jamison Corner Rd Relocated to Boyds Corner Rd	-	-	1,000	-	1,000	-	-	-	5,000	3,800	8,800	-	7,800
89	Jamison Corner: Boyds Corner Rd to Hyetts Corner Rd	-	-	-	-	-	-	-	-	-	-	-	-	-
90	Lorewood Grove Rd: RD 412A to SR 1	-	-	-	-	-	-	-	-	-	-	-	-	-
91	Mid County DMV	16,373	3,000	-	-	19,373	-	18,040	1,214	-	-	19,254	-	-119
92	N412A: Hyetts Corner Rd to Lorewood Grove Rd	-	-	-	-	-	-	515	-	-	-	515	-	515
93	New Castle Co. Industrial Track Greenway, Phase III	300	-	-	-	300	-	300	-	-	-	300	-	-
94	Newark Train Station/Regional Transportation Center	4,962	10,000	15,600	-	30,562	-	2,400	15,000	15,000	800	33,200	-	2,638

FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM

Amended September 12, 2013

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95	Pomeroy Trail	-	-	-	-	-	-	-	-	-	-	-	-	-
96	Port of Wilmington (Rail Program Autoport)	-	-	-	-	-	-	-	-	-	-	-	-	-
97	Possum Park Rd and Old Possum Park Rd Intersection	10	-	400	-	410	-	10	40	-	-	50	480	-361
98	Pyles Ford Rd, Culvert Replacements	-	735	-	-	735	-	-	735	-	-	735	-	-
99	Rail Cars ARRA	-	-	-	-	-	-	806	-	-	-	806	-	806
100	Road A/SR 7 (Road, Bridge and Mall Connector Study)	750	750	600	600	2,700	-	80	100	5,700	5,500	11,380	-	8,680
101	Road A and Centre Blvd: Fashion Center Entrance	235	-	-	-	235	-	1,115	750	-	-	1,865	-	1,630
102	S. Market Street Rehabilitation ARRA	-	-	-	-	-	-	-	-	-	-	-	-	-
103	Southern NCC Project Development	-	-	-	-	-	-	-	-	-	-	-	-	-
104	SR 1/I-95 Interchange	43,440	-	-	-	43,440	-	40,594	-	-	-	40,594	-	-2,846
105	SR 1: Tybouts Corner to SR 273	2,500	-	15,000	20,000	37,500	-	3,000	6,000	15,000	40,000	64,000	40,000	26,500
106	SR 141 & SR 100 Landscaping	-	-	-	-	-	-	-	-	-	-	-	-	-
107	SR 141/I-95 Interchange	300	5,000	15,000	-	20,300	-	1,250	5,000	15,000	-	21,250	-	950
108	SR 141 and Commons Blvd. Intersection Improvements	600	200	500	3,000	4,300	6,000	500	500	600	3,000	4,600	6,000	300
109	SR 141:Kirkwood Highway to Faulkland Road	-	-	-	-	-	-	-	-	-	-	-	-	-
110	SR 2, S Union Street: Railroad Bridge to Sycamore St	3,200	1,300	-	-	4,500	-	3,210	1,300	-	-	4,510	-	10
111	SR 4, Christina Parkway: SR2 to SR 896							100	100	32	-	232	2,300	232
112	SR 7: Newtown Road to SR 273	2,889	-	-	-	2,889	-	3,972	-	-	-	3,972	-	1,082
113	SR 72: McCoy Road to SR 71	500	500	-	2,000	3,000	11,207	575	500	-	2,000	3,075	11,207	75
114	SR 9, New Castle Ave: 3rd Street to Heald Street	-	-	-	-	-	-	-	-	-	250	250	450	250

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

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		FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014-17	OUTYEARS TOTAL FY2018-19	FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014- 17	OUTYEARS TOTAL FY2018-19	Between Draft & FY2014 TIP
115	SR 9, River Road Flood Remediation	-	-	-	-	-	-	-	-	-	-	-	-	-
116	Talley Rd: East Coast Greenway/Northern DE Greenway	1,180	-	-	-	1,180	-	1,101	-	-	-	1,101	-	-79
117	Third Rail Track Expansion (NE Corridor Imp., Orange St BR)	29,029	7,048	-	-	36,077	-	26,836	12,664	-	-	39,500	-	3,423
118	Transit (Fixed Route) Vehicle Expansion, NCC	-	-	1,467	-	1,467	-	2,232	1,839	1,467	-	5,538	1,554	4,071
119	Transit (Fixed Route) Vehicle Replacement and Refurbishment, NCC	13,068	13,894	-	1,594	28,556	11,205	13,626	14,779	88	4,105	32,598	10,300	4,042
120	Transit (Paratransit) Vehicle Expansion, NCC	-	-	-	-	-	-	-	1,114	1,020	1,051	3,185	2,197	3,185
121	Transit (Paratransit) Vehicle Replacement and Refurbishment, NCC	3,361	649	6,017	5,051	15,077	11,958	3,361	649	6,017	5,051	15,077	11,958	-
122	Transit Preventive Maintenance, NCC	6,500	6,500	6,500	6,500	26,000	13,000	6,500	6,500	6,500	6,500	26,000	13,000	-
123	Transportation Enhancements, NCC Transit	-	112	112	-	225	-	-	-	-	-	-	-	-225
124	Tyler McConnell Bridge, SR 141: Montchanin to Alapocas	-	-	-	-	-	-	-	-	-	-	-	1,000	-
125	US 13, Philadelphia Pike: Claymont Plan Implementation	150	200	-	-	350	-	475	250	200	250	1,175	6,750	825
126	US 301: Maryland Line to SR 1	178,719	147,925	10,986	10,994	348,624	10,989	63,358	154,850	154,912	95,184	468,304	136,102	119,680
127	US 40 and SR 896 Grade Separated Intersection	-	-	-	4,000	4,000	-	-	-	-	1,000	1,000	3,500	-3,000
128	US 40 Program Management	50	-	-	-	50	-	50	-	-	-	50	-	-
129	US 40, Pulaski Hwy and SR 72, Wrangle Hill Rd Intersection	310	380	7,000	4,000	11,690	7,500	620	2,300	4,550	4,550	12,020	7,500	330
130	Washington Street, New Castle	2,254	-	-	-	2,254	-	4,563	-	-	-	4,563	-	2,309
131	Westtown Concept Designs and Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

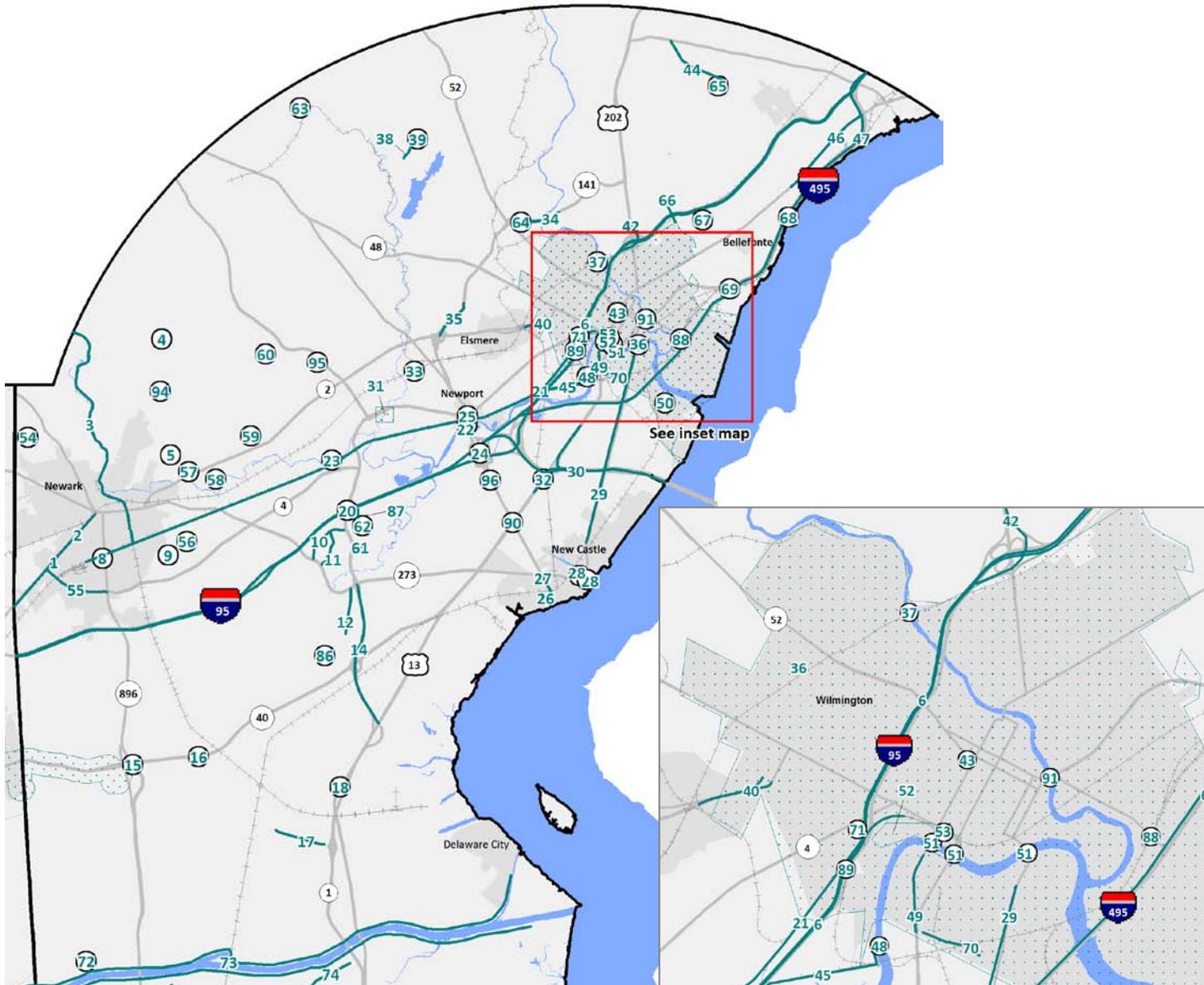
	PROJECT TITLE <i>(All \$ x 1,000)</i>	FY 2014-17 TIP, March 2013						Amended FY 2014-17 TIP, September 2013						Difference
		FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014-17	OUTYEARS TOTAL FY2018-19	FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014- 17	OUTYEARS TOTAL FY2018-19	Between Draft & FY2014 TIP
132	Westown, Wiggins Mill Rd: Green Giant to St Annes	-	-	-	-	-	-	-	-	-	-	10	-	
133	Wilmington Ops. Ctr/Admin Bldg / Master Plan	575	-	-	-	575	-	675	-	25	625	1,325	-	750
134	Wilmington Riverfront Program (AAA Garage)	50	-	-	-	50	-	3,568	168	168	68	3,972	136	3,922
135	Wilmington Signal Improvements, Phase II	2,200	-	-	-	2,200	-	2,200	-	-	-	2,200	-	-
136	Wilmington Transit Hub	-	400	400	-	800	-	-	400	400	-	800	-	-
137	Wilmington UST Replacement - State of Good Repair	950	-	-	-	950	-	1,200	-	-	-	1,200	-	250
138								-	-	-	-	-	-	-
139	<b>CECIL COUNTY</b>							-	-	-	-	-	-	-
140	Areawide Bridge Replacement and Rehabilitation	2,500	2,400	2,400	-	7,300	-	2,500	2,400	2,400	-	7,300	-	-
141	Areawide Congestion Management	840	850	850	-	2,540	-	840	850	850	-	2,540	-	-
142	Areawide Environmental Projects	1,370	1,450	1,450	-	4,270	-	1,370	1,450	1,450	-	4,270	-	-
143	Areawide Resurfacing and Rehabilitation	4,810	4,950	4,950	-	14,710	-	4,810	4,950	4,950	-	14,710	-	-
144	Areawide Safety and Spot Improvements	3,330	3,490	3,490	-	10,310	-	3,330	3,490	3,490	-	10,310	-	-
145	Areawide Urban Street Reconstruction	450	500	500	-	1,450	-	450	500	500	-	1,450	-	-
146	Cecil County Bridge Preservation (CE-0097 Baron Rd)	-	-	-	-	-	-	-	-	-	-	-	-	-
147	Chesapeake & Delaware (C&D) Canal Trail	1,200	360	-	-	1,560	-	1,200	360	-	-	1,560	-	-
148	Jobs Access and Reverse Commute (JARC) Transit Operating Assistance							554				554		554
149	MD 272 Bridge over Amtrak	3,981	5,882	2,721	2,721	15,305	-	4,731	6,304	2,721	-	13,756	-	-1,549
150	New Freedom Transit Operating Assistance							72				72		72

**FY 2014 – 2017 TRANSPORTATION IMPROVEMENT PROGRAM**

Amended September 12, 2013

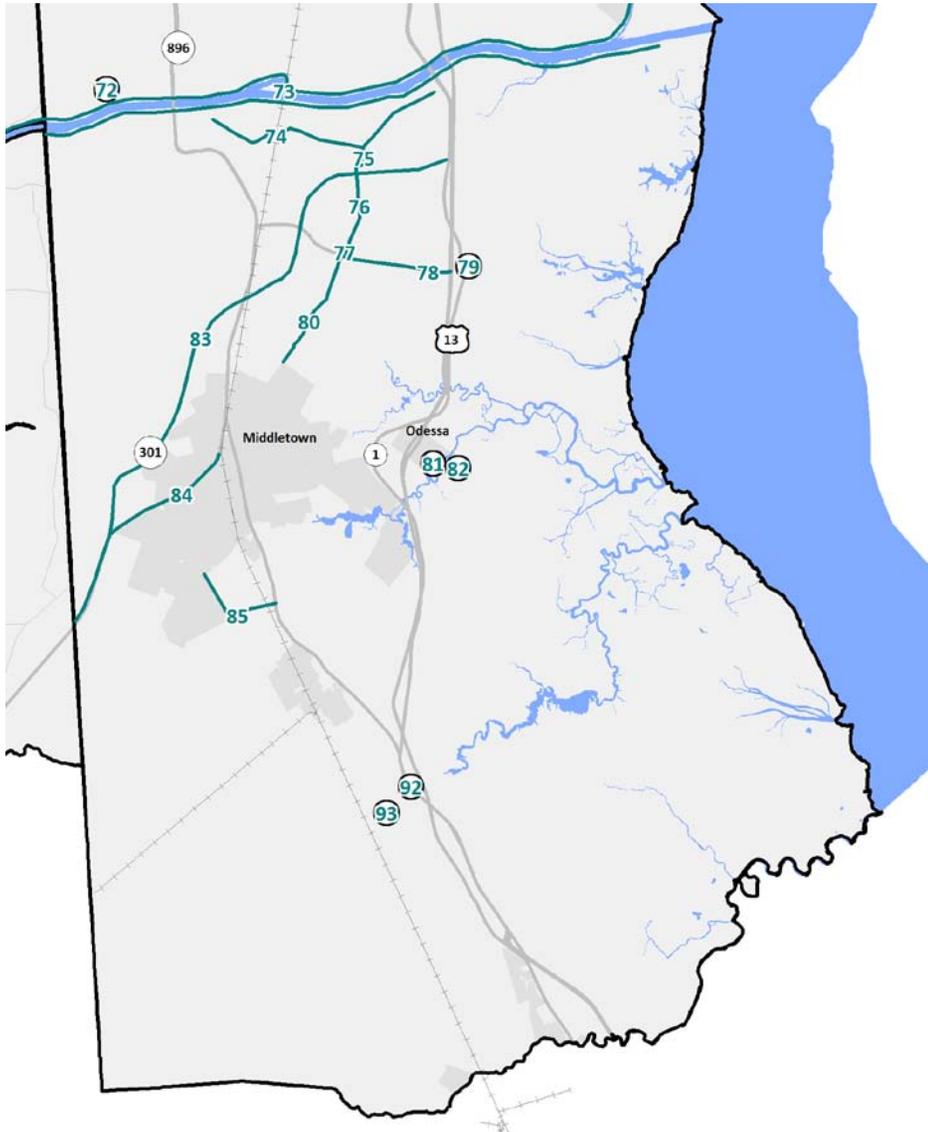
	PROJECT TITLE <i>(All \$ x 1,000)</i>	FY 2014-17 TIP, March 2013						Amended FY 2014-17 TIP, September 2013						Difference
		FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014-17	OUTYEARS TOTAL FY2018-19	FY 2014 TOTAL	FY 2015 TOTAL	FY 2016 TOTAL	FY 2017 TOTAL	TOTAL FY 2014- 17	OUTYEARS TOTAL FY2018-19	Between Draft & FY2014 TIP
151	Small Urban Transit - Capital Assistance	-	-	-	-	-	-	-	-	-	-	-	-	-
152	Small Urban Transit - Operating Assistance	-	-	-	-	-	-	-	-	-	-	-	-	-
153		-	-	-	-	-	-	-	-	-	-	-	-	-
154	Delaware Statewide Subtotal	224,073	223,288	198,348	204,375	850,084	419,119	265,281	240,180	209,029	217,015	931,504	410,616	81,420
155	New Castle County Subtotal	361,632	228,695	107,452	82,239	780,018	101,259	266,564	265,179	271,717	223,388	1,026,849	310,629	246,831
156	Cecil County Subtotal	18,481	19,882	16,361	2,721	57,445	-	19,857	20,304	16,361	-	56,522	-	-923
157	TOTAL	604,186	471,865	322,161	289,335	1,687,547	520,378	551,702	525,663	497,107	440,402	2,014,875	721,245	327,328

# Northern NCC Map of Projects



ID	Project_Name
1	SR 2, MD Line to Casho Mill Rd
2	SR 2, Casho Mill Rd to Delaware Ave
3	Pomeroy Trail
4	BR 221 on Pleasant Hill Road
5	Possum Park Rd & Old Possum Park Rd
6	Interstate Maintenance
8	Newark Train Station
9	BR 330 on Marrows Road
10	Road A/SR 7
11	Road A/SR 8
12	SR 7: Newtown Road to SR 273
14	SR 1: Tybouts Corner to SR 273
15	US 40 and SR 896 Interchange
16	US 40 / SR 72
17	SR 72: McCoy Road to SR 71
18	Mid County DMV
20	SR 1/I-95 Interchange
21	Third Rail Track Expansion
22	BR 159 on James Street
23	Fairplay Train Station - Parking Expansion
24	SR 141/I-95 Interchange
25	BR 501 on SR 141 Viaduct over SR 4
26	SR 9, River Road Flood Remediation
27	Washington Street, Pedestrian upgrades
28	City of New Castle (SR9/3rd, SR9/6th)
28	City of New Castle (SR9/3rd, SR9/6th)
29	SR 9 - 3rd St to Heald St
30	I-295 Improvements, US 13 to I-95
31	Glenville Wetland Bank
32	BR 665N & 1-665S on US 13
33	BR 651, Newport Road

# Southern NCC Map of Projects



ID	Project_Name	ID	Project_Name
34	Tyler McConnell Bridge, SR 141	66	Northern Delaware Greenway - Talley Road
35	SR 141: SR 2 to Faulkland Rd	67	BR 543 on Carr Rd over Shellpot Creek
36	Wilmington Signal Improvements	68	BR 826 Rehabilitation
37	BR 585 on Augustine Cutoff	69	BR 567 on Hay Rd over Shellpot Creek
38	Pyles Ford Rd, Culvert Replacements	70	Garasches Lane
39	BR 110 on N239, Pyles Ford Road	71	Beech St. Generator
40	SR 2: Railroad Bridge to Sycamore St	72	BR 366 on Chesapeake City Road
42	I-95 & US 202 Interchange, Widening of ramp	73	C & D Canal Trail
43	Wilmington Transit Hub	74	Hyatts Corner to Lorewood Grove
44	Grubb Rd: Foulk Rd to SR 92	75	Lorewood Grove Rd Part I
45	NCC Industrial Track Greenway, Phase III	76	Jamison Corner Rd: Boyds Corner Rd to Hyettes
46	Claymont Transportation Plan	77	Jamison Corner Rd Relocated
47	Claymont Train Station	78	Boyds Corner Rd: Cedar Lane to US 13
48	Christina River Bridge Crossing	79	Boyds Corner Park and Ride
49	S. Market Street Rehabilitation	80	Cedar Lane, Roadway Improvements
50	Port of Wilmington	81	BR 393 on SR 299
51	BR 687, 688, 693 Wilmington Drawbridge	82	BR 444 on Old Corbitt Road
52	Wilmington Riverfront - AAA Parking	83	US 301: Maryland Line to SR 1
53	Wilmington Operations Center	84	Westtown, US 301: Middleneck to Peterson Rd
54	BR 274 on Wedgewood Rd	85	Wiggins Mill Rd: Green Giant to St Annes
55	SR 4 from SR 2 to SR 896	86	BR 291 on Songsmith Dr
56	BR 254 Old Newark Rd over Cool Run	87	Cavaliers Mitigation
57	BR 229 on SR 2 over White Clay Creek	88	BR 814 on 12th Street over NS RR
58	BR 239 on Red Mill Rd.	89	BR 748, I-95 Wilmington Viaduct
59	BR 212 on Upper Pike Creek Rd Scour	90	BR 680 on SR 141 over US 13
60	BR 204 on New Linden Hill Rd	91	BR 577 on Northeast Blvd
61	Fashion Ctr. Entrance, Road A & Centre Blvd	92	BR 488 on US 13SB, South of Odessa
62	Christiana Mall Park and Ride	93	BR 438 on Blackbird Station
63	BR 112 on Yorklyn Rd over Red Clay Creek	94	BR 227 on Paper Mill Road
64	SR 141 & SR 100 Landscaping	95	BR 191 on Milltown Rd
65	BR 032 on Foulk Rd	96	SR 141 and Commons Blvd Intersection

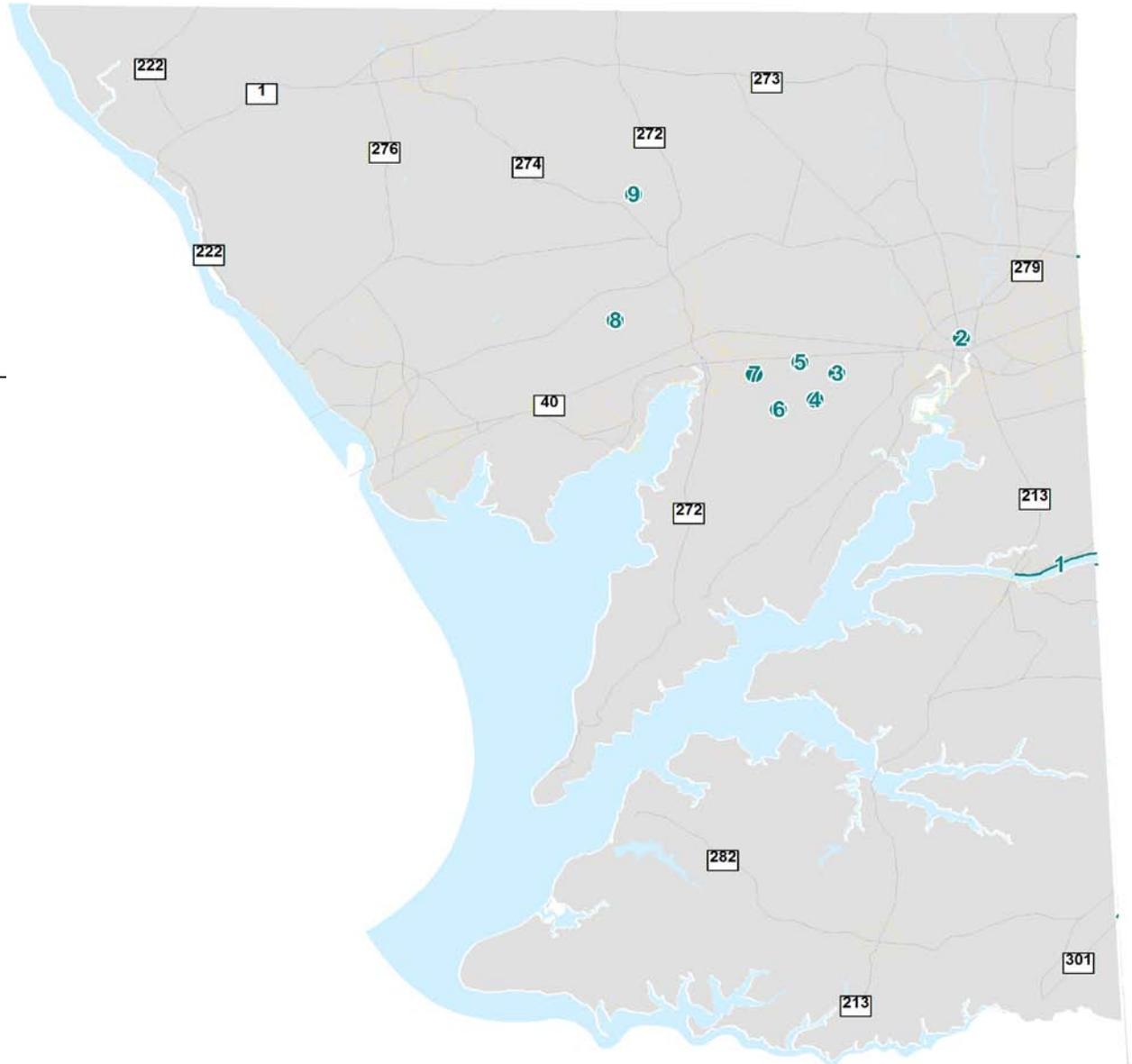
# Cecil County Map of Projects

<u>ID</u>	<u>Project Name</u>
1	Chesapeake & Delaware Canal Trail
2	MD 272 Bridge over Amtrak
3	Areawide Resurfacing and Rehabilitation
4	Areawide Environmental Projects
5	Areawide Urban Street Reconstruction
6	Areawide Congestion Management
7	Areawide Bridge Replacement and Rehabilitation
8	BR CE-0097 Baron Rd over CSX
9	Areawide Resurfacing Safety Improvements

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**Other Projects Not Mapped**

- New Freedom/ Taxi Voucher Program
- Job Access Reverse Commute (JARC)
- Small Urban Transit System- Capital Assistance
- Small Urban Transit System- Operating Assistance



# Sample TIP Project Page

**Investment Area categories are:**

**Center/Core** – Well established areas with the most people and/or jobs. Planned investment emphasizes public transportation, walking and bicycling.

**Community** – Well established areas with moderate growth and development expected. Planned investment expands and improves existing transportation services and facilities.

**Developing** – Areas where land uses and development patterns are emerging. Planned investment encourages phased planned growth and rational development.

**Rural** – Areas where limited growth and development exist or are expected. Planned investment preserves natural resources and existing transportation facilities and services.

DOT funding category

**Functional categories are:**

**Program Development** – Identify a need and decide on a solution

**Preservation** – Maintain an existing facility or service

**Management** – Enhance existing facility or service to sustain an acceptable level of service

**Expansion** – New or expanded services and infrastructure

FY 2012 – 2015 TRANSPORTATION IMPROVEMENT PROGRAM September 8, 2011

**SR 2, ELKTON ROAD: MARYLAND STATE LINE TO SR 273, DELAWARE AVENUE, NEWARK**

**DESCRIPTION:** This project will include roadway reconstruction and intersection improvement within the city limits of Newark; safety, pedestrian, and bicycle improvements from West Park Place to Delaware Avenue; and pedestrian and bicycle improvements at SR 4, Christina Parkway / SR 2, Elkton Road intersection.

**JUSTIFICATION:** The roadway surface along this area is crumbling and needs a total reconstruction. The area from Amstel Avenue north of SR 273, Delaware Avenue in Newark has been identified as a Highway Safety Improvement Program (HSIP) site.

County: New Castle  
Investment Area: Center  
Municipality: Newark  
Funding Program: Road System – Arterials  
Functional Category: Management  
Year Initiated: FY 2004




PROJECT	PHASE	FUNDING	CURRENT 7/10-6/11	FY 2012 7/11-6/12	FY 2013 7/12-6/13	FY 2014 7/13-6/14	FY 2015 7/14-6/15	FY 2012-15 TOTAL	FY 2016-17 TOTAL
SR 2: MD line to Casho Mill Rd.	PE ROW C	80% FHWA 100% ST 100% ST						\$ 0.0 \$ 0.0 \$ 0.0	
SR 2: Casho Mill Rd to Delaware Ave	PD PE ROW C	80% FHWA 80% FHWA FHWA OTHER	\$ 1,650.0 \$ 8,200.0	\$ 261.1 \$ 8,808.3 \$ 14.6	\$ 4,665.6			\$ 261.1 \$ 13,473.9 \$ 14.6	
<b>TOTAL</b>			\$ 10,350.0	\$ 9,084.0	\$ 4,665.6	\$ 0.0	\$ 0.0	\$ 13,749.6	\$ 0.0

NEW CASTLE COUNTY - SYSTEM MANAGEMENT 2-52 **WILMAPCO**

Description of project

Why project is being done

Project name

Location map

Icons indicate whether project addresses auto, bicycle, transit or pedestrian modes or historic preservation

Funding source for each project phase

When 80% FHWA is show, dollars show total State and Federal

PD: Project Development  
PE: Preliminary Engineering  
ROW: Right of Way Acquisition  
C: Construction  
PRO: Procurement