

# Wilmington Area Planning Council

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**WILMAPCO Council:**

May 15, 2017

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Chief Executive Officer

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Capital Programming

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**Michael Spencer**  
Mayor of Newport

**WILMAPCO Executive Director**  
Tigist Zegeye

Hon. Jennifer L. Cohan, Secretary  
Delaware Department of Transportation  
800 Bay Road  
P.O. Box 778  
Dover, DE 19903

RE: Prioritization for the FY 2019-2022 Transportation Improvement Program

Dear Ms. Cohan:

I am writing to submit priority projects as voted on by WILMAPCO Council at their May 11 meeting, through the process described in the MOA between WILMAPCO and DelDOT.

For the FY 2019-2022 Transportation Improvement Program (TIP) and the New Castle County element of the Delaware CTP, the priority is to:

1. Adequately fund preservation and safety projects.
2. Complete projects in the approved FY 2018-2021 TIP. If projects must be deferred, use project priority to guide which projects would be delayed, setting priority based upon technical scores. A prioritized project list is enclosed.
3. Complete projects in constrained RTP project list according to the identified in-service dates, setting priority based upon technical scores. The prioritized list of projects not in the TIP list is enclosed.
4. Use prioritized list of projects not in the TIP to identify other regional priorities if funding levels allow for additional projects, setting priority based upon technical scores.

In selecting CMAQ-funded projects, we recommend drawing from the enclosed list of CMAQ-eligible projects identified by the WILMAPCO Air Quality Subcommittee.



*Partners with you in transportation planning*

Once DelDOT has prioritized projects statewide, we look forward to hearing the status of our submissions. If you have any questions, please call 302-737-6205 to speak to me (ext. 114) or Heather Dunigan (ext. 118).

Sincerely,

A handwritten signature in blue ink, appearing to read "Tigist Zegeye".

Tigist Zegeye  
Executive Director

Enclosures (2)

Cc: WILMAPCO Council  
Drew Boyce, DelDOT  
Michael McConnell, DelDOT  
Tim Snow, DelDOT  
Lanie Thornton, DelDOT  
Mark Tudor, DelDOT  
Heather Dunigan, WILMAPCO



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# FY 2019-2022 TIP Project Prioritization

1	Construction FY	AQ Model Year	PROJECT	Improve Quality of Life			Efficiently Transport People					Support Sustainable Econ Dev/Goods Movement			2017	2017
				Air Quality	Environmental Justice	Safety	CMS Corridor	CMS ADT	CMS Transit	Transportation Justice	Pedestrian Priority	Freight	Economic Development	Funding Match	Technical Score	Council Rank for FY 2019
2			<b>PROJECTS IN FY 2018-2021 TIP</b>													
3			<b>Arterial</b>													
4	18-19		SR 2, Kirkwood Highway and Red Mill Rd. Intersection	0	0	4	2	2	3	0	3	2	3	0	19	1
5	21-22		Churchmans: SR 273/Chapman Rd.	0	0	4	2	2	2	0	3	2	3	0	18	2
6	PE		Churchmans: SR4/Harmony Rd.	0	0	4	2	2	3	0	1	3	3	0	18	2
7	18		Wilmington Initiatives: Walnut St, Front St - 3rd St	0	3	1	2	2	2	0	3	2	3	0	18	2
8	OY		Wilmington Traffic Calming: 4th St: Walnut - I-95	1	3	2	2	0	2	0	3	2	3	0	18	2
9	19-20		Wilmington Traffic Calming: King/Orange: MLK Blvd. to 13th	1	3	2	2	0	2	0	3	2	3	0	18	2
10	OY		Wilmington Traffic Calming: Walnut: 3rd - 13th St	0	3	1	2	2	2	0	3	2	3	0	18	2
11	PE		Churchmans: SR4/SR7 Stanton Split	0	0	3	2	3	2	0	1	2	3	0	16	3
12	18-19		US 40: US 40/SR 7 (pedestrian improvements)	1	0	4	2	2	1	0	1	2	3	0	16	3
13	19-21	2030	SR 2 Elkton Rd: Maryland State Line - Casho Mill Rd.	-3	0	4	2	2	1	0	1	3	3	0	13	4
14	18-19		US 40: US 40/SR 72 Intersection, including Del Laws Rd.	-1	0	4	2	2	1	0	1	1	3	0	13	4
15	22-23	2030	US 40: US 40/SR 896 Grade Separated Intersection	-3	0	4	2	2	1	0	1	3	3	0	13	4
16	OY	2030	US 40: US 40, Salem Church Rd to Walther Rd	-3	1	4	2	2	1	0	0	2	3	0	12	5
17	OY	2030	SR 4, Christina Parkway: SR 2 - SR 896	-3	0	4	2	2	0	0	1	2	3	0	11	6
18	19-21	2030	SR299: SR 1 - Catherine Street	-3	0	3	1	0	2	0	3	2	3	0	11	6
19	18-20		I-95 & SR 141 Interchange - Jay Dr	-1	0	3	0	0	0	0	0	4	3	0	9	7
20	PE		SR 9, River Rd. Area, Dobbinsville	0	0	0	0	0	0	3	1	0	3	0	7	8
21	19-21	2030	SR 72: SR 71 - McCoy Rd	-3	0	2	0	0	0	0	0	2	1	1	3	9
22	OY		US 13: Duck Creek - SR 1	1	0	0	0	0	0	1	0	0	1	0	3	9
23	PE		SR 896/Bethel Church Rd Interchange	-3	0	1	0	0	0	0	0	0	0	0	-2	10
24			<b>Collectors</b>													
25	20-21		Garasches Lane	1	1	0	0	0	0	0	3	0	3	0	8	1
26	PE		Old Capitol Trail: Newport Rd to Stanton Rd	1	1	0	0	0	0	1	1	0	3	0	7	2
27	20-21		Possum Park Rd. at Old Possum Park Rd.	0	0	0	0	0	0	0	0	0	1	0	1	3
28			<b>Expressways</b>													
29	18-20		I-295 Westbound: US 13 - I-95	0	0	3	2	4	0	0	0	4	3	0	16	1
30	PE	2030	SR 1 Widening, SR 273 - Roth BR	-3	0	4	2	4	3	0	0	2	3	0	15	2

### FY 2019-2022 TIP Project Prioritization

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				Air Quality	Environmental Justice	Safety	CMS Corridor	CMS ADT	CMS Transit	Transportation Justice	Pedestrian Priority	Freight	Economic Development	Funding Match	Technical Score	Council Rank for FY 2019
31	21-23	2030	I-95: SR 896 Interchange	-3	0	3	2	4	2	0	0	3	3	0	14	3
32	19-20	2030	Road A /SR 7	-3	0	2	2	2	2	0	0	0	3	0	8	4
33			Local													
34	22-24		Southern New Castle County: Boyd's Corner Rd.: Cedar Ln - US 13	-1	0	3	0	0	0	0	0	0	1	3	6	1
35	18-19		Southern New Castle County: Cedar Lane Rd. at Marl Pit Rd	0	0	0	0	0	0	0	0	0	1	3	4	2
36	22-23		Southern New Castle County: Cedar Lane Rd.: Marl Pit - Boyd's Corner	0	0	0	0	0	0	0	0	0	1	3	4	2
37	22-23		Southern New Castle County: Lorewood Grove Rd.: N412A - SR 1	-1	0	0	0	0	0	0	0	0	1	2	2	3
38	PE		Denny/Lexington Parkway Intersection	0	0	0	0	0	0	0	1	0	1	0	2	3
39			Pedestrian/Bicycle													
40	20-21		US 13: Christina River Bridge - US 40 Pedestrian Safety Improvements	3	1	4	2	3	3	0	3	4	3	0	26	1
41	PAR funding		SR 48: N. DuPont Rd - SR 141 Pedestrian Safety Improvements	1	3	3	1	2	1	1	1	2	3	0	18	2
42	W/ Pave/Rehab		Delaware Avenue Separated Bicycle Facility	1	0	2	2	2	1	0	3	2	3	0	16	3
43			Transit													
44			Wilmington DART Bus Hub	3	3	2	2	2	2	0	3	2	3	2	24	1
45			Transit Vehicle Replacement and Refurbishment, New Castle County	1	3	2	2	2	3	3	0	0	3	0	19	2
46	PE		Rail Improvements: Fairplay Station Parking / Elevator	3	0	3	2	2	3	0	0	0	3	0	16	3
47			Transit Vehicle Expansion, NCC	3	1	2	1	2	1	3	0	0	3	0	16	3
48	18-20		Claymont Regional Transportation Center	3	0	0	0	0	0	3	3	2	3	0	14	4
49	19-20		Middletown Park and Rides	3	0	3	1	0	0	0	0	2	3	0	12	5
50	20-21		New Castle County Transit Center	3	0	0	0	0	0	0	0	0	3	0	6	6
51			Rideshare Program, statewide	3	0	0	0	0	0	0	0	0	3	0	6	6
52	NOT IN FY 2018-2021 TIP															
53			Arterial													
54			Churchmans: SR2/Harmony Rd.	0	0	3	2	2	3	0	1	2	3	0	16	1
55			SR 896: US 40 - I-95, third lane	-3	0	4	2	3	1	0	3	3	3	0	16	1
56			US 40: US 40/SR 7 intersection improvements	0	0	4	2	2	1	0	1	2	3	0	15	2
57			SR 2: S. Union Street Streetscape	0	0	0	2	2	3	1	3	0	3	0	14	3
58			US 13: SR 71, Tybouts Corner - US 40	-3	0	3	2	4	2	0	1	2	3	0	14	3
59			Churchmans: Churchmans Rd. Extension	-3	0	4	2	2	2	0	1	2	3	0	13	4

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60			Wilmington Initiatives: Market St: 11th St. - 16th St.	0	3	0	2	2	0	0	3	0	3	0	13	4
61			US 40: SR 896-Salem Church Rd, Widening	-3	-1	4	2	3	2	0	0	2	3	0	12	5
62			City of New Castle: SR 9	-1	0	2	1	0	2	0	3	0	3	0	10	6
63			SR 141: US 13 - Commons Blvd.	0	0	3	0	0	0	1	0	2	3	0	9	7
64	2040		Tyler McConnell Bridge, SR141: Montchanin Rd. - Alapocas Rd.	-3	0	3	1	2	0	0	0	2	3	0	8	8
65			US 40: Eden Square Connector	-1	0	4	0	0	0	0	1	0	3	0	7	9
66			City of New Castle Intersections	0	0	0	0	0	0	0	3	0	3	0	6	10
67			US 13, Odessa Transportation Plan Implementation	1	0	0	0	0	0	0	1	0	3	0	5	11
68			Newtown Road: SR896 - SR 72	-3	0	0	0	0	0	0	1	0	3	0	1	12
69			<b>Collectors</b>													
70			Wilmington Traffic Calming: 12th St. Connector	-1	3	0	0	0	0	0	3	0	3	0	8	1
71			<b>Expressways</b>													
72			I:95: Riverfront Interchange	-3	-3	0	1	4	3	0	0	3	3	0	8	1
73	2030		US 301: Spur	-3	0	3	1	2	0	0	0	3	0	0	6	2
74			<b>Local</b>													
75			Wilmington Initiatives: Shipley Street	1	3	0	2	0	0	0	3	0	3	0	12	1
76			Wilmington Initiatives: Tatnall St. Connector	-1	0	0	2	0	0	0	3	0	3	0	7	2
77			Wilmington Riverfront: West St. Connector Extension	-1	0	0	2	0	0	0	3	0	3	0	7	2
78			Southbridge Street Network	-1	1	0	0	0	0	0	3	0	3	0	6	3
79			Westown: SR 71/St Annes Church Rd.	-1	0	0	0	0	0	0	0	0	3	4	6	3
80			Westown: Wiggins Mill Rd: Green Giant Rd. - St Annes Church Rd.	-1	0	0	0	0	0	0	0	0	1	4	4	4
81			<b>Other</b>													
82			Aeronautics, New Castle County Airport Terminal Improvements	0	0	4	0	0	0	0	0	0	1	0	5	1
83			<b>Pedestrian/Bicycle</b>													
84			Wilmington Initiatives: Bicycle Improvements	1	3	2	2	2	3	3	3	0	3	0	22	1
85			Bicycle, Pedestrian: Marsh Rd.	1	0	3	0	0	0	0	3	0	3	0	10	2
86			DuPont Road Pedestrian Facilities	3	3	0	0	0	0	0	1	0	3	0	10	2
87			Wilmington Initiatives: Water Street Walkway	1	0	0	2	0	0	0	3	0	3	0	9	3
88			Churchmans: Red Mill Rd. Sidewalks, Ruther Dr - SR 2	1	0	0	1	2	0	0	1	0	3	0	8	4

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89			US 40: Newtown Trail & Pedestrian Improvements	1	0	0	0	0	0	0	1	3	3	0	8	4
90			Bicycle, Pedestrian: Foulk Rd.	1	0	1	0	0	0	0	1	0	3	0	6	5
91			Grubb Road Pedestrian Improvements: Foulk Rd. - Naamans Rd.	1	0	0	0	0	0	1	1	0	3	0	6	5
92			SR 3, Marsh Rd/Washington Street Ext. and SR 3 Pedestrian Improvements	1	0	0	0	0	0	0	1	0	3	0	5	6
93			<b>Transit</b>													
94			Transit bus stop improvements - NCC	3	3	2	0	0	0	3	3	2	3	0	19	1
95			Transit Vehicle Expansion: SR 141	3	1	3	1	2	0	3	0	2	3	0	18	2
96			US 40: Transit improvements	1	3	4	1	2	2	0	1	0	3	0	17	3
97			Boyds Corner Park and Ride Expansion	3	0	0	1	2	0	0	0	0	1	0	7	4
98			Transit Vehicle Expansion: Paratransit	0	0	0	0	0	0	3	0	0	3	0	6	5
99			Rail preservation: NCC Historic Red Clay	0	0	0	0	0	0	0	0	0	1	0	1	6

Source: Air Quality: review by Air Quality Subcommittee  
 Environmental Justice: 2013 Environmental Justice & Title VI Plan  
 Safety: DeIDOT crash data, 2013-2015  
 CMS: 2017 Congestion Management System Summary

Transportation Justice: 2015 Accessibility and Mobility Report  
 Freight: WILMAPCO Regional Freight and Goods Movement Analysis  
 Economic Development: Delaware Office of State Planning Policies and Spending Map  
 Funding Match: DeIDOT finance

## CMAQ SCORING

Qualitative Index\*

ID	Project	Notes	FY18-21 TIP	Project Type	VMT	Cost	Life	Total
1	GENERAL: Heavy Equipment Program (only diesel retrofits/replacements)	new	\$76,388,000	Diesel				
2	GENERAL: Transit Vehicle Replacement (diesel retrofits/replacements)	Fixed-route only	\$46,898,800	Diesel				
3	NCC Transit Center Park and Ride		\$4,750,000	Shared Ride	6	0	6	12
4	Rideshare Program, statewide		\$366,000	Shared Ride	3	3	6	12
5	Middletown Park and Ride	new	\$3,500,000	Shared Ride	3	0	6	9
6	Transit Vehicle Expansion, NCC	Fixed-route only	\$1,693,200	Transit	6	3	3	12
7	Rail: Newark Regional Transit Center		\$62,733,200	Transit	3	0	6	9
8	Wilmington Traffic Calming: Walnut: MLK Blvd. to 13th		\$12,705,000	Traffic Flow	3	0	6	12
9	US 40: US 40/SR 72 Intersection (multimodal)		\$18,595,400	Traffic Flow	3	0	6	9
10	SR 2 (Elkton Rd): MD Line to Casho Mill Rd. (multimodal)		\$27,750,000	Traffic Flow	3	0	6	9
11	Old Capitol Trail: Newport Road to Stanton Road (multimodal)	new; >\$2m w/full build	\$450,000	Traffic Flow	0	0	6	6
12	GENERAL: Transportation Management Improvements (expansion)	new	\$52,760,000	Traffic Flow				
13	Wilmington Traffic Calming: 4th St: Walnut - I-95		\$3,000,000	Ped/Bike	3	0	6	15
14	US 13: Duck Creek - SR 1		\$8,500,000	Ped/Bike	3	0	6	12
15	US 40: US 40/SR 7		\$2,580,000	Ped/Bike	3	0	6	12
16	New Castle Industrial Track: S of Christina River - Riverwalk		\$23,650,600	Ped/Bike	6	0	6	12
17	Grubb Road Pedestrian Improvements: Foulk Rd. - Naamans Rd.		n/a	Ped/Bike	3	0	6	12
18	Wilmington Traffic Calming: King/Orange: MLK Blvd. to 13th		\$6,700,000	Ped/Bike	3	0	6	9
19	US 13: Memorial Drive - US 40 Pedestrian Safety Improvements		\$7,000,000	Ped/Bike	3	0	6	9
20	Myrtle & Manor Avenue Sidewalk Improvements		\$3,120,000	Ped/Bike	3	0	6	9
21	Garasches Lane		\$4,452,200	Ped/Bike	3	0	6	9
22	GENERAL: Bicycle, Pedestrian, and Other Improvements (non-recreational only)	new	\$18,736,000	Ped/Bike				

### CMAQ Project Prioritization Process - Methodology

1. Rank projects by type, based on emissions reporting within FHWA's National CMAQ database and federal guidance. Priority by type is: 1. Diesel Retrofits and Replacements, 2. Shared Ride, 3. Transit, 4. Traffic Flow, 5. I/M and other TCMS, 6. Pedestrian/Bicycle

2. Within project types, sort by quantitative emission benefits for diesel projects and qualitative benefits for others. Quantitative benefits can be determined from EPA calculators. An index determining the qualitative benefit follows.

#### \*Qualitative Index

Reduce VMT - negligible (0); moderate (3); significant (6)

Cost - >2 million (0); \$500,000 - \$2 million (3); <\$500,000 (6)

Life expectancy - <5 years (0); 5-10 years (3); >10 years (6)