

Wilmington Area Planning Council

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Mayor of Newport

WILMAPCO Executive Director
Tigist Zegeye

May 7, 2018

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

RE: Prioritization for the FY 2020-2023 Transportation Improvement Program

Dear Ms. Cohan:

I am writing to submit priority projects as voted on by WILMAPCO Council at their May 3 meeting, through the process described in the MOA between WILMAPCO and DelDOT.

For the FY 2020-2023 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 2019-2020 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,



Tigist Zegeye
Executive Director

Enclosures (2)

Cc: WILMAPCO Council
Drew Boyce, DelDOT
Anne Brown, DelDOT
Michael McConnell, DelDOT
Joshua Thomas, DelDOT
Lanie Thornton, DelDOT
Mark Tudor, DelDOT
Heather Dunigan, WILMAPCO



Partners with you in transportation planning

FY 2020-2023 TIP Project Prioritization

	Construction FY	AQ Model Year	PROJECT	Improve Quality of Life			Efficiently Transport People					Support Sustainable Econ Dev/Goods Movement			2018	2018
				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 2020
1			PROJECTS IN FY 2019-2022 TIP													
2			Arterial													
3	21-22		SR 2, Kirkwood Highway and Red Mill Rd. Intersection	0	0	4	2	2	3	0	3	2	3	0	19	1
4	21-22		Churchmans: SR 273/Chapman Rd.	0	0	4	2	2	2	0	3	2	3	0	18	2
5	PE		Churchmans: SR4/Harmony Rd.	0	0	4	2	2	3	0	1	3	3	0	18	2
6	OY		Wilmington Initiatives: 4th St: Walnut - I-95	1	3	2	2	0	2	0	3	2	3	0	18	2
7	19-20		Wilmington Initiatives: King/Orange: MLK Blvd. to 13th	1	3	2	2	0	2	0	3	2	3	0	18	2
8	22-24		Wilmington Initiatives: Walnut: 3rd - 13th St	0	3	1	2	2	2	0	3	2	3	0	18	2
9	PE		Churchmans: SR4/SR7 Stanton Split	0	0	3	2	3	2	0	1	2	3	0	16	3
10	OY		SR 9: Landers Ln - A St	1	1	2	0	0	0	3	3	2	3	0	15	4
11	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	5
12	23-24	2030	US 40: US 40/SR 896 Grade Separated Intersection	-3	0	4	2	2	1	0	1	3	3	0	13	5
13	21-24	2030	US 40: US 40, Salem Church Rd to Walther Rd	-3	1	4	2	2	1	0	0	2	3	0	12	6
14	22-24	2030	SR 4, Christina Parkway: SR 2 - SR 896	-3	0	4	2	2	0	0	1	2	3	0	11	7
15	20-22	2030	SR299: SR 1 - Catherine Street	-3	0	3	1	0	2	0	3	2	3	0	11	7
16	PE		SR 9, River Rd. Area, Dobbinsville	0	0	0	0	0	0	3	1	0	3	0	7	8
17	PE		US 13: Duck Creek - SR 1	1	0	0	0	0	0	1	0	0	1	0	3	9
18	23-24		SR 896/Bethel Church Rd Interchange	-3	0	1	0	0	0	0	0	0	0	0	-2	10
19			Collectors													
20	20-21		Garasches Lane, Phase 1	1	1	0	0	0	0	0	3	0	3	0	8	1
21	PE		Old Capitol Trail: Newport Rd to Stanton Rd	1	1	0	0	0	0	1	1	0	3	0	7	2
22	PE		Otts Chapel Rd / Welsh Track Rd Intersection	0	0	3	0	0	0	0	0	0	0	0	3	3
23	20		Possum Park Rd. at Old Possum Park Rd.	0	0	0	0	0	0	0	0	0	1	0	1	4
24			Expressways													
25	PE	2040	I-295 Northbound: SR 141 - US 13	-3	0	3	2	4	0	0	0	4	3	0	13	1
26	PE	2030	SR 1 Widening, SR 273 - Roth BR	-3	0	4	2	4	3	0	0	2	3	0	15	2
27	23-24	2030	I-95: SR 896 Interchange	-3	0	3	2	4	2	0	0	3	3	0	14	3
28	19-21	2030	Road A /SR 7	-3	0	2	2	2	2	0	0	0	3	0	8	4
29			Local													
30	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

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1			PROJECT													
31	19		Southern New Castle County: Shallcross Lake Rd Relocated	0	0	0	0	0	0	0	0	0	1	4	5	2
32	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	3
33	22-23		Southern New Castle County: Lorewood Grove Rd.: N412A - SR 1	-1	0	0	0	0	0	0	0	0	1	2	2	4
34	PE		Denny/Lexington Parkway Intersection	0	0	0	0	0	0	0	0	1	0	1	0	4
35			Pedestrian/Bicycle													
36	20-24		US 13: Christina River Bridge - US 40 Pedestrian Safety Improvements	3	1	4	2	3	3	0	3	4	3	0	26	1
37	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
38	W/ Pave/Rehab		Delaware Avenue Separated Bicycle Facility	1	0	2	2	2	1	0	3	2	3	0	16	3
39			Transit													
40	19		Wilmington Transit Center	3	3	2	2	2	2	0	3	2	3	2	24	1
41			Transit Vehicle Replacement and Refurbishment, New Castle County	1	3	2	2	2	3	3	0	0	3	0	19	2
42	PE		Rail Improvements: Fairplay Station Parking	3	0	3	2	2	3	0	0	0	3	0	16	3
43			Transit Vehicle Expansion, NCC	3	1	2	1	2	1	3	0	0	3	0	16	3
44	19-20		Middletown Park and Rides	3	0	3	1	0	0	0	0	2	3	0	12	4
45	20-21		New Castle County Transit Center	3	0	0	0	0	0	0	0	0	3	0	6	5
46			Rideshare Program, statewide	3	0	0	0	0	0	0	0	0	3	0	6	5
47	NOT IN FY 2018-2021 TIP															
48			Arterial													
49			Churchmans: SR2/Harmony Rd.	0	0	3	2	2	3	0	1	2	3	0	16	1
50			SR 896: US 40 - I-95, third lane	-3	0	4	2	3	1	0	3	3	3	0	16	1
51			SR 2: S. Union Street Streetscape	0	0	0	2	2	3	1	3	0	3	0	14	2
52			US 13: SR 71, Tybouts Corner - US 40	-3	0	3	2	4	2	0	1	2	3	0	14	2
53			Churchmans: Churchmans Rd. Extension	-3	0	4	2	2	2	0	1	2	3	0	13	3
54			Wilmington Initiatives: Market St: 11th St. - 16th St.	0	3	0	2	2	0	0	3	0	3	0	13	3
55			US 40/SR 7 Grade Separated Intersection	-3	0	4	2	2	1	0	1	2	3	0	12	4
56			US 40: SR 896-Salem Church Rd, Widening	-3	-1	4	2	3	2	0	0	2	3	0	12	4
57			City of New Castle: SR 9	-1	0	2	1	0	2	0	3	0	3	0	10	5
58		2040	Tyler McConnell Bridge, SR141: Montchanin Rd. - Alapocas Rd.	-3	0	3	1	2	0	0	0	2	3	0	8	6
59			US 40: Eden Square Connector	-1	0	4	0	0	0	0	1	0	3	0	7	7
60			North Claymont Area Master Plan - US 13: I-495 - PA Line	1	0	0	0	0	0	0	1	2	3	0	7	7

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61			City of New Castle Intersections	0	0	0	0	0	0	0	3	0	3	0	6	8
62			US 13, Odessa Transportation Plan Implementation	1	0	0	0	0	0	0	1	0	3	0	5	9
63			Newtown Road: SR896 - SR 72	-3	0	0	0	0	0	0	1	0	3	0	1	10
64			Collectors													
65			Wilmington Initiatives: 12th St. Connector	-1	3	0	0	0	0	0	3	0	3	0	8	1
66			Glasgow Ave Study Improvements	1	0	0	0	0	0	0	1	0	3	0	5	2
67			Expressways													
68		2030	US 301: Spur	-3	0	3	1	2	0	0	0	3	0	0	6	1
69			Local													
70			Wilmington Initiatives: Shipley Street	1	3	0	2	0	0	0	3	0	3	0	12	1
71			Wilmington Initiatives: Tatnall St. Connector	-1	0	0	2	0	0	0	3	0	3	0	7	2
72			Southbridge Street Network / Garasches Lane Phase 2	-1	1	0	0	0	0	0	3	0	3	0	6	3
73			Westown: SR 71/St Annes Church Rd.	-1	0	0	0	0	0	0	0	0	3	4	6	3
74			Westown: Wiggins Mill Rd: Green Giant Rd. - St Annes Church Rd.	-1	0	0	0	0	0	0	0	0	1	4	4	4
75			Pedestrian/Bicycle													
76			Wilmington Initiatives: Bicycle Improvements	1	3	2	2	2	3	3	3	0	3	0	22	1
77			Bicycle, Pedestrian: Marsh Rd.	1	0	3	0	0	0	0	3	0	3	0	10	2
78			DuPont Road Pedestrian Facilities	3	3	0	0	0	0	0	1	0	3	0	10	2
79			Wilmington Initiatives: Water Street Walkway	1	0	0	2	0	0	0	3	0	3	0	9	3
80			Churchmans: Red Mill Rd. Sidewalks, Ruther Dr - SR 2	1	0	0	1	2	0	0	1	0	3	0	8	4
81			US 40: Newtown Trail & Pedestrian Improvements	1	0	0	0	0	0	0	1	3	3	0	8	4
82			Bicycle, Pedestrian: Foulk Rd.	1	0	1	0	0	0	0	1	0	3	0	6	5
83			Grubb Road Pedestrian Improvements: Foulk Rd. - Naamans Rd.	1	0	0	0	0	0	1	1	0	3	0	6	5
84			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
85			Transit													
86			Transit bus stop improvements - NCC	3	3	2	0	0	0	3	3	2	3	0	19	1
87			Transit Vehicle Expansion: SR 141	3	1	3	1	2	0	3	0	2	3	0	18	2
88			US 40: Transit improvements	1	3	4	1	2	2	0	1	0	3	0	17	3
89			Boyds Corner Park and Ride Expansion	3	0	0	1	2	0	0	0	0	1	0	7	4
90			Transit Vehicle Expansion: Paratransit	0	0	0	0	0	0	3	0	0	3	0	6	5

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1			PROJECT													
91			Rail preservation: NCC Historic Red Clay	0	0	0	0	0	0	0	0	0	1	0	1	6
92																
93																
94																
95	Source:		Air Quality: review by Air Quality Subcommittee	Transportation Justice: 2015 Accessibility and Mobility Report												
96			Environmental Justice: 2013 Environmental Justice & Title VI Plan	Freight: WILMAPCO Regional Freight and Goods Movement Analysis												
97			Safety: DelDOT crash data, 2013-2015	Economic Development: Delaware Office of State Planning Policies and Spending Map												
98			CMS: 2017 Congestion Management System Summary	Funding Match: DelDOT finance												

CMAQ SCORING

Qualitative Index*

ID	Rank	Project	Notes	Current Total FY19-22 TIP Estimate \$ x1000	Highest Ranking Project Type	VMT	Cost	Life	Total
1	1	GENERAL: Heavy Equipment Program (only diesel retrofits/replacements)		\$76,388	2. Engine Replacements				
2	1	GENERAL: Transit Vehicle Replacement (diesel retrofits/replacements)	Fixed-route only	\$52,135	2. Engine Replacements				
3	2	NCC Transit Center Park and Ride	Not replacement of existing.	\$4,750	3. Park and ride	6	0	6	12
4	3	Middletown Park and Ride		\$3,500	3. Park and ride	3	0	6	9
5	4	Transit Vehicle Expansion, NCC	Fixed-route only	\$2,216	4. Transit expansion	6	0	3	9
6	4	Rail: Newark Regional Transit Center		\$73,089	4. Transit expansion	3	0	6	9
7	5	GENERAL: Transportation Management Improvements (expansion)		\$52,760	5. Incident Management				
8	6	New Castle Industrial Track: S of Christina River - Riverwalk		\$24,085	7. Bike/ped	6	0	6	12
9	7	Wilmington Initiatives: Walnut: MLK Blvd. to 13th		\$12,705	7. Bike/ped	3	0	6	9
10	7	SR 2 (Elkton Rd): MD Line to Casho Mill Rd.		\$37,754	7. Bike/ped	3	0	6	9
11	7	Old Capitol Trail: Newport Road to Stanton Road (multimodal)		\$5,350	7. Bike/ped	3	0	6	9
12	7	Wilmington Initiatives: 4th St: Walnut - I-95		\$3,000	7. Bike/ped	3	0	6	9
13	7	US 13: Duck Creek - SR 1		\$8,500	7. Bike/ped	3	0	6	9
14	7	US 40: US 40/SR 7		\$2,736	7. Bike/ped	3	0	6	9
15	7	Wilmington Initiatives: King/Orange: MLK Blvd. to 13th		\$6,250	7. Bike/ped	3	0	6	9
16	7	US 13: Memorial Drive - US 40 Pedestrian Safety Improvements		\$28,000	7. Bike/ped	3	0	6	9
17	7	Myrtle & Manor Avenue Sidewalk Improvements		\$2,715	7. Bike/ped	3	0	6	9
18	7	Garasches Lane		\$6,002	7. Bike/ped	3	0	6	9
19	7	GENERAL: Bicycle, Pedestrian, and Other Improvements (non-recreational only)		\$18,736	7. Bike/ped				
20	7	SR 9, New Castle Ave., Landers Ln. to A St.	new	\$17,700	7. Bike/ped	3	0	6	9
21	8	Rideshare Program, statewide		\$3,660	12. Ridesharing	3	0	6	9
22	9	US 40: US 40/SR 72 Intersection		\$23,222	13. Intersection improvements	3	0	6	9

CMAQ Project Prioritization Process - Methodology

1. Rank projects by type, based on FHWA cost-effectiveness data (PM2.5, NOx, and VOCs). Priority by type is: 1. Idle reduction, 2. Heavy vehicle engine replacements (diesel), 3. Park and ride, 4. Transit service expansion, 5. Incident management, 6. Extreme temperature cold start technology, 7. Bicycle and pedestrian, 8. Intermodal freight, 9. Transit amenity improvements, 10. Employee transit benefits, 11. Car sharing, 12. Ridesharing, 13. Intersection improvements, 14. Roundabouts, 15. Bike sharing, 16. Subsidized transit fares, and 17. Electric charging stations

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)