

WILMAPCO Council

Action Item Summary Sheet

Meeting Date: May 3, 2018

Action Item #12: To Approve the Proposed Prioritization of FY 2020-2023 Transportation Improvement Program (TIP) Submissions

Description/Summary of Item: Staff will report on recommendation by the TAC and staff regarding the prioritization of submissions to the FY 2020-23 TIP. Based on the prioritization process, Council will rank submissions considering:

- Technical score developed by staff and reviewed by TAC
- Urgency of project
- Cost effectiveness/ life cycle costs
- Private/local funding match provided
- Project recommended in adopted transportation plan
- Submitting agency rankings by ensuring that top local priorities receive higher WILMAPCO ranking than lower local priorities
- Other issues not included in ranking
- Additional "special considerations" to break ties and serve as a reality check

Also included are suggested uses for CMAQ funds using an interim CMAQ scoring process developed by the Air Quality Subcommittee (AQS).

Summary of Action Taken by PAC: N/A

Summary of Action Taken by TAC: The WILMAPCO TAC approved the technical scoring for the project prioritization at their April 19 meeting.

Summary of Action Taken by Subcommittee/Task Force (if applicable): The AQS reviewed the air quality scoring at their April 12 meeting and concurred with the technical scores and CMAQ scoring. The Nonmotorized Transportation Working Group reviewed pedestrian priority scoring at the April 3 meeting and concurred with the scores.

WILMAPCO Staff Recommendations: Staff is recommending that Council approve the project prioritization as:

1. Adequately fund preservation and safety projects.
2. Complete projects in the approved FY 2019-2022 TIP. If projects must be deferred, use project priority to guide which projects would be delayed, setting priority based upon technical scores.
3. Complete projects in constrained RTP project list according to the identified in-service dates, setting priority based upon technical scores.
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.

WILMAPCO Council:

John Sisson, Chair
*Delaware Transit Corporation
Chief Executive Officer*

Robert J. Alt
Mayor of Elkton

Jennifer Cohan
*Delaware Dept. of Transportation
Secretary*

Connie C. Holland
*Delaware Office of State Planning
Coordination, Director*

Alan McCarthy
Cecil County Executive

Matthew Meyer
New Castle County Executive

Heather Murphy
*Maryland Dept. of Transportation
Director, Office of Planning and
Capital Programming*

Michael S. Purzycki
Mayor of Wilmington

Michael Spencer
Mayor of Newport

WILMAPCO Executive Director
Tigist Zegeye

DRAFT

RESOLUTION

BY THE WILMINGTON AREA PLANNING COUNCIL (WILMAPCO) APPROVING THE PRIORITIZATION OF PROJECT SUBMISSIONS FOR THE FY 2020-2023 TRANSPORTATION IMPROVEMENT PROGRAM

WHEREAS, the Wilmington Area Planning Council (WILMAPCO) has been designated the MPO for Cecil County, MD and New Castle County, DE by the Governors of Maryland and Delaware respectively; and

WHEREAS, the Transportation Improvement Program (TIP) shall include a priority listing of projects to be carried out within the four-year time period, as directed by federal transportation legislation; and

WHEREAS, the Prioritization Process was adopted by Council May 11, 2006; and

WHEREAS, the prioritization process will continue to be refined as experience is gained in using the system and as better scoring criteria are developed; and

WHEREAS, the Technical Advisory Committee has reviewed the technical scoring; and

WHEREAS, the Delaware Department of Transportation uses this project ranking to assess WILMAPCO priorities when ranking projects statewide;

NOW, THEREFORE, BE IT RESOLVED that the Wilmington Area Planning Council approves the project prioritization for the FY 2020-2023 TIP for submission to the Delaware Department of Transportation.

Date: _____

John Sisson, Chairperson
Wilmington Area Planning Council



FY 2020-2023 TIP Project Prioritization

DRAFT

Construction FY	AQ Model Year	PROJECT	Improve Quality of Life			Efficiently Transport People					Support Sustainable Econ Dev/Benefits Movement			2017 Technical Score	2017 Council Rank for FY 2019	2018 Technical Score	2018 Council Rank for FY 2020	Notes for FY 2020-23 TIP prioritization
			Air Quality	Environmental Justice	Safety	CMS Corridor	CMS ADT	CMS Transit	Transportation Justice	Pedestrian Priority	Freight	Economic Development	Funding Match					
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	19		
4	21-22	Churchmans: SR 273/Chapman Rd.	0	0	4	2	2	2	0	3	2	3	0	18	2	18		
5	PE	Churchmans: SR4/Harmony Rd.	0	0	4	2	2	3	0	1	3	3	0	18	2	18		
6	OY	Wilmington Traffic Calming: 4th St: Walnut - I-95	1	3	2	2	2	0	2	0	3	2	3	18	2	18		
7	19-20	Wilmington Traffic Calming: King/Orange: MLK Blvd. to 13th	1	3	2	2	2	0	2	0	3	2	3	18	2	18		
8	22-24	Wilmington Traffic Calming: Walnut: 3rd - 13th St	0	3	1	2	2	2	0	3	2	3	0	18	2	18		
9	PE	Churchmans: SR4/SR7 Stanton Split	0	0	3	2	3	2	0	1	2	3	0	16	3	16		
10	OY	SR 9: Landers Ln - A St	1	1	2	0	0	0	3	3	2	3	0	19				Added to FY 19 TIP
11	2030	SR 2 Elkton Rd: Maryland State Line - Casho Mill Rd.	-3	0	4	2	2	1	0	1	3	3	0	13	4	13		
12	23-24	US 40: US 40/SR 896 Grade Separated Intersection	-3	0	4	2	2	1	0	1	3	3	0	13	4	13		
13	21-24	US 40: US 40, Salem Church Rd to Walther Rd	-3	1	4	2	2	1	0	0	2	3	0	12	5	12		
14	22-24	SR 4, Christina Parkway: SR 2 - SR 896	-3	0	4	2	2	0	0	1	2	3	0	11	6	11		
15	20-22	SR299: SR 1 - Catherine Street	-3	0	3	1	0	2	0	3	2	3	0	11	6	11		
16	PE	SR 9, River Rd. Area, Dobbinsville	0	0	0	0	0	0	3	1	0	3	0	7	8	7		
17	PE	US 13: Duck Creek - SR 1	1	0	0	0	0	0	1	0	0	1	0	3	9	3		
18	23-24	SR 896/Bethel Church Rd Interchange	-3	0	1	0	0	0	0	0	0	0	0	-2	10	-2		
19		Collectors																
20	20-21	Garaches Lane, Phase 1	1	1	0	0	0	0	0	3	0	3	0	8	1	8		Title change
21	PE	Old Capitol Trail: Newport Rd to Stanton Rd	1	1	0	0	0	0	1	1	0	3	0	7	2	7		
22	PE	Otts Chapel Rd / Walsh Track Rd Intersection	0	0	3	0	0	0	0	0	0	0	0			3		Added to FY 2019 TIP, not in RTP
23	20	Possom Park Rd. at Old Possom Park Rd.	0	0	0	0	0	0	0	0	0	1	0	1	3	1		
24		Expressways																
25	PE	I-295 Northbound: SR 141 - US 13	-3	0	3	2	4	0	0	0	4	3	0			13		Added to FY 2019 TIP, 2030 in-service
26	PE	SR 1 Widening, SR 273 - Roth BR	-3	0	4	2	4	3	0	0	2	3	0	15	2	15		
27	23-24	I-95: SR 896 Interchange	-3	0	3	2	4	2	0	0	3	3	0	14	3	14		
28	19-21	Road A /SR 7	-3	0	2	2	2	2	0	0	0	3	0	8	4	8		
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	6		
31	19	Southern New Castle County: Shalcross Lake Rd Relocated	0	0	0	0	0	0	0	0	0	1	4			5		Added to FY 2019 TIP
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	2	4		
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	3	2		
34	PE	Denny/Lexington Parkway Intersection	0	0	0	0	0	0	0	1	0	1	0	2	3	2		
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	26		
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	18		
38	W/ Pave/Rehab	Delaware Avenue Separated Bicycle Facility	1	0	2	2	2	1	0	3	2	3	0	16	3	16		
39		Transit																
40	19	Wilmington Transit Center	3	3	2	2	2	2	0	3	2	3	0	24	1	24		
41		Transit Vehicle Replacement and Refurbishment, New Castle County	1	3	2	2	2	2	3	0	3	0	3	19	2	19		

FY 2020-2023 TIP Project Prioritization

DRAFT

Construction FY	AQ Model Year	PROJECT	Improve Quality of Life			Efficiently Transport People				Support Sustainable Econ Dev/ Goods Movement			2017	2018	2018	2018	Notes for FY 2020-23 TIP prioritization	
			Air Quality	Environmental	Justice	Safety	CMS Corridor	CMS ADT	CMS Transit	Transportation	Justice	Freight						Economic Development
42	PE	Rail Improvements: Fairplay Station Parking	3	0	3	0	2	2	3	0	0	0	16	3	16			
43		Transit Vehicle Expansion, NCC	3	1	2	1	2	1	3	0	0	3	16	3	16			
44	19-20	Middletown Park and Rides	3	0	3	1	0	0	0	0	2	12	5	12				
45	20-21	New Castle County Transit Center	3	0	0	0	0	0	0	0	0	6	6	6				
46		Rideshare Program, statewide	3	0	0	0	0	0	0	0	0	6	6	6				
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	16		
50		SR 896: US 40 - I-95, third lane	-3	0	4	2	3	1	0	3	3	0	16	1	16			Consider for 2050 RTP constrained list
51		SR 2: S. Union Street Streetscape	0	0	0	2	2	3	1	3	0	0	14	3	14			
52		US 13: SR 71, Tybouts Corner - US 40	-3	0	3	2	4	2	0	1	2	3	14	3	14			
53		Churchmans: Churchmans Rd. Extension	-3	0	4	2	2	2	0	1	2	3	13	4	13			
54		Wilmington Initiatives: Market St. - 16th St.	0	3	0	2	2	0	0	3	0	3	13	4	13			
55		US 40/SR 7 Grade Separated Intersection	-3	0	4	2	2	1	0	1	2	3	15	2	12			Renamed from US 40/SR 7 intersection
56		US 40: SR 896-Salem Church Rd. Widening	-3	-1	4	2	3	2	0	0	2	3	12	5	12			
57		City of New Castle: SR 9	-1	0	2	1	0	2	0	0	3	0	10	6	10			
58	2040	Tyler/McConnell Bridge, SR141: Montchanin Rd. - Alapocas Rd.	-3	0	3	1	2	0	0	0	2	3	8	8	8			
59		US 40: Eden Square Connector	-1	0	4	0	0	0	0	1	0	3	7	9	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			All NCAMP recommendations to be added to 2050
61		City of New Castle Intersections	0	0	0	0	0	0	0	3	0	3	0	6	10	6		
62		US 13, Odessa Transportation Plan Implementation	1	0	0	0	0	0	0	1	0	3	0	5	11	5		
63		Newtown Road: SR896 - SR 72	-3	0	0	0	0	0	0	1	0	3	0	1	12	1		
64		Collectors																
65		Wilmington Traffic Calming: 12th St. Connector	-1	3	0	0	0	0	0	3	0	3	0	8	1	8		
66		Glasgow Ave Study Improvements	1	0	0	0	0	0	0	1	0	3	0	5	5			All Glasgow Ave recommendations to be added to
67		Expressways																
68	2030	US 301: Spur	-3	0	3	1	2	0	0	0	3	0	6	2	6			
69		Lovely																
70		Wilmington Initiatives: Shipley Street	1	3	0	2	0	0	0	3	0	3	0	12	1	12		
71		Wilmington Initiatives: Tatnall St. Connector	-1	0	0	2	0	0	0	3	0	3	0	7	2	7		
72		Southbridge Street Network / Garaches Lane Phase 2	-1	1	0	0	0	0	0	3	0	3	0	6	3	6		Renamed
73		Westown: SR 71/St Annes Church Rd.	-1	0	0	0	0	0	0	0	0	3	4	6	3	6		
74		Westown: Wiggins Mill Rd: Green Grant Rd. - St Annes Church Rd.	-1	0	0	0	0	0	0	0	0	1	4	4	4	4		
75		Pedestrian/Bicycle																
76		Wilmington Initiatives: Bicycle Improvements	1	3	2	2	2	3	3	3	0	3	0	22	1	22		
77		Bicycle, Pedestrian: Marsh Rd.	1	0	3	0	0	0	0	3	0	3	0	10	2	10		
78		DuPont Road Pedestrian Facilities	3	3	0	0	0	0	0	1	0	3	0	10	2	10		
79		Wilmington Initiatives: Water Street Walkway	1	0	0	2	0	0	0	3	0	3	0	9	3	9		
80		Churchmans: Red Mill Rd. Sidewalks, Ruther Dr - SR 2	1	0	0	1	2	0	0	1	0	3	0	8	4	8		
81		US 40: Newtown Trail & Pedestrian Improvements	1	0	0	0	0	0	0	1	3	3	0	8	4	8		
82		Bicycle, Pedestrian: Foulk Rd.	1	0	1	0	0	0	0	1	0	3	0	6	5	6		

FY 2020-2023 TIP Project Prioritization

DRAFT

Construction FY	AQ Model Year	PROJECT	Improve Quality of Life			Efficiently Transport People				Support Sustainable Econ Dev/Goods Movement			2017 Technical Score	2017 Council Rank for FY 2019	2018 Technical Score	2018 Council Rank for FY 2020	Notes for FY 2020-23 TIP prioritization
			Air Quality	Environmental Justice	Safety	CMS Corridor	CMS ADT	Transit	Transportation Justice	Pedestrian Priority	Freight	Economic Development					
1		Grubb Road Pedestrian Improvements: Foulk Rd. - Naamans Rd.	1	0	0	0	0	0	0	0	0	0	6	5	6	6	
83		SR3, Marsh Rd/Washington Street Ext. and SR 3 Pedestrian Improvements	1	0	0	0	0	0	0	0	0	0	5	6	5	5	
84		Transit															
85		Transit bus stop improvements - NCC	3	3	2	0	0	0	3	3	2	3	0	19	1	19	
86		Transit Vehicle Expansion: SR 141	3	1	3	1	2	0	3	0	2	3	0	18	2	18	
87		US 40: Transit Improvements	1	3	4	1	2	2	0	1	0	3	0	17	3	17	
88		Boyd's Corner Park and Ride Expansion	3	0	0	1	2	0	0	0	0	1	0	7	4	7	
89		Transit Vehicle Expansion: Paratransit	0	0	0	0	0	0	3	0	0	3	0	6	5	6	
90		Rail preservation: NCC Historic Red Clay	0	0	0	0	0	0	0	0	0	1	0	1	6	1	
91																	
92																	
93																	
94																	
95																	
96																	
97																	
98																	
99																	

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

REMOVED FROM LIST: UNDER CONSTRUCTION BY FY 2020																		
100		Wilmington Initiatives: Walnut St, Front St - 3rd St	0	3	1	2	2	2	0	3	2	3	0	18	2			Construction in 2018
101		US 40: US 40/SR 7 (pedestrian improvements)	1	0	4	2	2	1	0	1	2	3	0	16	3			Grouped with HSIP
102	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			Under construction
103	19-20	I-95 & SR 141 Interchange - Jay Dr	-1	0	3	0	0	0	0	0	4	3	0	9	7			Construction
104	18-21	SR 72: SR 71 - McCoy Rd	-3	0	2	0	0	0	0	0	2	1	1	3	9			Utilities construction
105	20-21	I-295 Westbound: US 13 - I-95	0	0	3	2	4	0	0	0	4	3	0	16	1			Construction
106	18-20	Southern New Castle County: Cedar Lane Rd. at Marl Pt Rd	0	0	0	0	0	0	0	0	0	1	3	4	2			Construction
107	18-19	Claymont Regional Transportation Center	3	0	0	0	0	0	3	3	2	3	0	14	4			Construction
108	18-21	SR 141: US 13 - Commons Blvd.	0	0	3	0	0	0	1	0	2	3	0	9	7			Addressed through SR 141: I-95 - Jay Dr
109																		
110																		
111																		
112		I-95: Riverfront Interchange	-3	-3	0	1	4	3	0	0	3	3	0	8	1			
113		Wilmington Riverfront: West St. Connector Extension	-1	0	0	2	0	0	0	3	0	3	0	7	2			
114		Aeronautics, New Castle County Airport Terminal Improvements	0	0	4	0	0	0	0	0	0	1	0	5	1			

SUGGESTED PROJECTS TO REMOVE FROM LIST

Draft - 3.20.18

CMAQ SCORING

Qualitative Index*

Current Total
FY19-22 TIP
Estimate \$

ID	Rank	Project	Notes	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 Traffic Calming: 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 Traffic Calming: 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 Traffic Calming: 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. 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)