

**TECHNICAL ADVISORY COMMITTEE (TAC) &
AIR QUALITY SUBCOMMITTEE (AQS) MEETING
December 21, 2017**

A joint meeting of the Technical Advisory Committee (TAC) and the Air Quality Subcommittee (AQS) was held on Thursday, December 21, 2017, at WILMAPCO, 850 Library Avenue, Suite 100, Newark, DE 19711.

1. CALL TO ORDER: Ms. Kaminsky, TAC chairperson, brought the TAC meeting to order at 10:05 a.m.

2. TAC Members present:

Ian Beam, Maryland Department of Transportation
Alex Brun, Maryland Department of the Environment (via conference call)
David Dahlstrom, Maryland Department of Planning Coordination
Stacey Dahlstrom, New Castle County Dept. of Land Use
Lauren DeVore, Delaware Department of Natural Resources and Environmental Control
Anthony DiGiacomo, Cecil County Land Use and Development Services
Mike Fortner, City of Newark
Gwineth Kaminsky, City of Wilmington Department of Planning and Urban Design
Brian Mitchell, City of Wilmington Department of Public Works
David Schlie, Maryland State Highway Administration
Cathy Smith, Delaware Transit Corporation
Timothy Snow, Delaware Department of Transportation

TAC Ex-Officio Members present:

Lindsay Donnellon, U.S. Federal Highway Administration

TAC Members absent:

Delaware Economic Development Office
Delaware Office of State Planning Coordination
Delaware River and Bay Authority
Maryland Transit Administration
Town of Elkton

TAC Ex-Officio Members absent:

Amtrak
Diamond State Port Corporation
U.S. Environmental Protection Agency
U.S. Federal Transit Administration

AQS Members Present

Kevin Black, Federal Highway Administration (via conference call)
Alex Brun, Maryland Department of the Environment (via conference call)
Lauren DeVore, DNREC
Anthony DiGiacomo, Cecil County Office of Planning & Zoning
Lindsay Donnellon, U.S. Federal Highway Administration
Valerie Gray, Delaware Department of Natural Resources and Environmental Control
Ujjval Shukla, MDOT (via conference call)
Catherine Smith, Delaware Transit Corporation
Timothy Snow, Delaware Department of Transportation

Guests and Invitees:

None.

Staff:

Dan Blevins, Principal Planner
Janet Butler, Administrative Assistant
Heather Dunigan, Principal Planner
Sharen Elcock, Executive Assistant
Jacob Guise, Intern
Dave Gula, Principal Planner
Randi Novakoff, Outreach Manager
Bill Swiatek, Principal Planner
Jacob Thompson, Transportation Planner
Tigist Zegeye, Executive Director

Minutes prepared by: Janet Butler

3. MINUTES

ACTION: On motion by Mr. Dahlstrom and seconded by Mr. Fortner, the TAC approved the November 16, 2017 minutes.

Motion passed.

(12-21-17 - 01)

The Air Quality Subcommittee (AQS) Meeting Notes dated November 9, 2017, were approved by consensus.

4. SUBCOMMITTEE UPDATES:

a. Delaware Freight Executive Committee

Mr. Blevins said the Delaware Winter Freight meeting held on December 4, 2017, in Dover was a subset of the Freight Summit held on December 5, 2017. The meeting featured updates from Delaware and Maryland regarding general freight activities. The subcommittee developed an approved plan for the Federal Highway Administration (FHWA) certified freight plans in time for the December 2017 deadline. Presentations by the University of Delaware included connected and automated freight vehicles. Featured speakers were from the Delmarva Central and Delaware Coastal airports, and Delaware Express. The next Freight Executive Committee meeting will be held on January 3, 2018.

b. Nonmotorized Transportation Working Group (NMTWG)

Ms. Dunigan said the NMTWG met on December 5, 2017. Mr. Paul Moser, DelDOT, provided an update on the Delaware Statewide Bicycle Plan including a discussion of draft recommendations. The focus of the discussion was on the project prioritization process. Mr. Thompson gave an update on the Elkton Pedestrian Plan including results of public outreach. Mr. Swiatek discussed the bicycle and pedestrian performance measures in the draft WILMAPCO Regional Progress Report. Ms. Dunigan provided an update on the analysis of existing conditions for the New Castle County Bicycle Plan and future outreach. NMTWG has received GIS information from our transportation partners. Some public outreach will be done jointly with Delaware Greenways, and WILMAPCO will reach out to municipalities to seek additional participation.

5. PUBLIC COMMENT PERIOD:

None.

ACTION ITEMS:

6. To Recommend Amending the WILMAPCO FY 2018 Unified Planning Work Program (UPWP)

Ms. Zegeye said the FY 2018 UPWP submissions from New Castle County included:

1. The City of New Castle Comprehensive Plan Update (\$10,500) — staff had a follow-up discussion with the City of New Castle to better understand the project need, WILMAPCO's role, and the funding arrangement with KCI. The City of New Castle will get back to WILMAPCO with a scope of work and funding match for the proposed task. Staff also recommends a full Comprehensive Plan update.
2. The City of Wilmington 12th Street Connector Alignment (\$100,000) — staff proposes to include this project in the UPWP and will develop a scope of work with the City of Wilmington staff.
3. Safety and Capacity Improvements for the Five-Point Intersection (\$75,000) — staff proposes to include this project in the UPWP and will develop a scope of work with the City of Wilmington staff.
4. Seventh Street Peninsula Roadway Improvements/Development Study (\$75,000) — staff proposes to include this project in the UPWP and will develop a scope of work with the City of Wilmington staff.
5. Delaware Transit Corporation (DTC) submitted the Newark-Area Transportation Needs Data Collection and Analysis (\$60,000) — staff proposes to include this project in the UPWP and will develop a scope of work with DTC staff.
6. Concord Pike/US 202 Corridor Master Plan (\$300,000) — staff proposes to include this project in the UPWP and will develop a scope of work with New Castle County staff.
7. Southern New Castle County Infrastructure Master Plan Update (\$150,000) — staff proposes to include this project in the UPWP and will develop a scope of work with New Castle County staff.

The total amount of the new projects is \$770,500; the 80% Federal UPWP funds requested is \$616,400; and the 20% cash match needed is \$154,100.

Ms. Zegeye said Cecil County's FY 2018 UPWP submissions include:

1. MD 273 Fair Hill Pedestrian Underpass Feasibility Study (\$25,000) — WILMAPCO staff believes this is primarily a recreational project and suggests working with Maryland Department of Natural Resources to identify funding. MDOT SHA concurs that the pedestrian tunnel is primarily a recreational project.
2. Muddy Lane Multi-modal Plan (\$50,000) — WILMAPCO staff communicated with SHA regarding their discussions with Cecil County and the Town of Elkton. Staff gathered existing traffic counts and crash data, and suggested working with SHA, Elkton, and Cecil County on a safety audit along the corridor. MDOT SHA was not aware of a desire for a complete street project. There is a current project for a roundabout, which is nearing completion and will improve safety and mobility.
3. MD 273 Park-and-Ride Feasibility Study (\$25,000) — Staff suggests that this analysis might be included in the upcoming Cecil County Transit Development Plan. MDOT SHA stated that the current park-and-ride lots in Cecil County are underutilized and MDOT SHA's present focus is on transit served park-and-rides that are at or near capacity.
4. MD 213/US 40 Intersection Redesign Study (\$200,000) — MDOT SHA has been developing a conceptual design for this intersection. This task is part of the Route 40 Development

Program, where transportation and land use changes are monitored on an ongoing basis. In addition, design/preliminary engineering does not qualify for program funding.

5. Railroad Grade Crossing Safety Study (\$50,000) — From previous year's notes as well as recent discussion, MDOT SHA had suggested that this project could be done through the SHA Office of Traffic and Safety Traffic Development and Support Division. MDOT SHA suggests that Cecil County contact them directly.

Mr. Dahlstrom said the City of New Castle letter mentioned a \$32,000 plan and asked if that funding is just for the transportation part of the plan. Ms. Zegeye replied that funding is for public outreach and some technical support for the transportation portion of the plan. The \$32,000 is already committed to KCI consultants. Mr. Dahlstrom asked since Ms. Zegeye recommended working on a full comprehensive plan would this amount be \$32,000. Ms. Zegeye replied no. She added anything more than \$50,000 would have to go out for a competitive bid.

ACTION: On motion by Ms. Smith and seconded by Mr. Fortner, the TAC recommended amending the WILMAPCO FY 2018 UPWP.

Motion passed.

(12-21-17 - 02)

7. To Recommend Amending the WILMAPCO FY 2018-2021 Transportation Improvement Program (TIP), Cecil County Element

Ms. Dunigan said this TIP Cecil County Element amendment was requested by the Maryland Department of Transportation (MDOT) for an increase in funding for the Areawide Congestion Management project in the total amount of \$4.7 million.

ACTION: On motion by Mr. Dahlstrom and seconded by Mr. DiGiacomo the TAC recommended amending the WILMAPCO FY 2018-2021 TIP, Cecil County Element.

Motion passed.

(12-21-17 - 03)

8. To Recommend release of the Draft FY 2019-2022 Transportation Improvement Program (TIP) for Public Comment

Ms. Dunigan said the FY 2019-2022 TIP Quick Guide included in the TAC packet shows the TIP changes. The public review period will run from January 22 to February 28, 2018, and the joint Public Workshop with DeIDOT will be held at the Newark Free Library on February 26, 2018. There was a 6% funding increase as compared to the TIP amended in September 2017. The total TIP amount is proposed to be \$2.2 million.

The four new TIP projects proposed include: 1) Expand the I-295 northbound from SR141-US 13; 2) Improve Otts Chapel Road/Welsh Track Church Road Intersection; 3) Relocate Shallcross Lake Road between Graylag Road and Boyds Corner Road; and 4) Improve multimodal travel on SR 9 from Landers Lane-A Street.

Inside the TIP Quick Guide is a map showing the changes in the TIP. Minor bridge and safety projects were grouped together and are no longer mapped. The back of the guide shows 50% are state funding sources, 46% are federal funding sources and 4% are other. Projects in Cecil County total 4%; New Castle County total 38%; and Delaware Statewide total 58%. Regarding projects by mode, 50% are road; 24% are multimodal; 10% are transit; 2% are bike/walk; and 14% are other. Regarding projects by category, 51% are preservation; 27% are management; 14% are expansion; and 8% are other.

Ms. Dunigan reviewed the TIP spreadsheet, pointing out the new projects and funding changes. In addition, she also reviewed the Air Quality Model in-service years. She noted that the I-295 project is modeled in 2040 but may need to be modeled for 2030 once construction timing is determined. Mr. Swiatek added that the Garasches Lane project could trigger a conformity determination; however, as it stands, staff believes that our current Air Quality Conformity Analysis can still be used.

ACTION: On motion by Mr. Dahlstrom and seconded by Mr. Beam the TAC recommended release of the Draft FY 2019-2022 TIP.

Motion passed.

(12-21-17 - 04)

9. To Recommend Adoption of WILMAPCO Safety Performance Measures for Cecil County and New Castle County

Mr. Blevins said the Maryland and Delaware Statewide Safety Measures were included in the TAC packet along with two resolutions. The WILMAPCO Safety Performance Measures are part of the National Transportation Performance Measures, which are also part of the FAST Act. Staff is proposing to use these measures to stay within federal compliance.

ACTION: On motion by Mr. DiGiacomo and seconded by Ms. Smith, the TAC recommended approval of the WILMAPCO Safety Performance Measures for Cecil County and New Castle County.

Motion passed.

(12-21-17 - 05)

10. To Recommend Endorsing the 2017 Regional Progress Report

Mr. Swiatek said the draft 2017 Regional Progress Report was included in the TAC packet. The Progress Report sets the stage for the Regional Transportation Plan. Some recent updates to the document include making the graphics more readable and text sizes larger. On page 11, you can see the overall results from the report. Each action is assessed using quantitative and qualitative data, with red, yellow, and green light indicators. Twenty-one per cent received a red light, which indicates poor progress; twenty-nine percent received a yellow light, which indicates some progress; and fifty percent received a green light, which indicates very good progress.

Some of the key areas of success are WILMAPCO's sub-regional planning and implementation, the Congestion Management System (CMS) process, Social Justice efforts, and promoting active transportation. Some areas of concern are continued growth along the I-95 corridor, growth in single-occupancy vehicle trips/Vehicle Miles Traveled (VMT); using the prioritization process in selecting projects for funding in the TIP; providing affordable transportation choices; and reducing the increase in pedestrian and vehicle crashes.

The Nonmotorized Transportation Working Group (NMWG) did not have any concerns regarding the 2017 Regional Progress Report. Mr. Swiatek thanked members of the TAC, especially Mr. Dahlstrom, for edits. Mr. Swiatek added WILMAPCO staff recommended endorsement of the 2017 Regional Progress Report.

ACTION: On motion by Mr. Dahlstrom and seconded by Mr. DiGiacomo, the TAC recommended endorsing the 2017 Regional Progress Report.

Motion passed.

(12-21-17 - 06)

PRESENTATION/DISCUSSION ITEMS:

11. 2050 Regional Transportation Plan Air Quality Conformity Schedule

Mr. Swiatek distributed the 2050 Regional Transportation Plan Air Quality Conformity Schedule (**Attachment A**). As a result of the Environmental Protection Agency (EPA) not making final designations for the for the 2015 Ozone Standard, we have been able to relax the upcoming conformity schedule. It appears that the 2050 RTP will act as the primary trigger for a new conformity determination. According to the proposed schedule, we will have until the end of summer and fall to conduct the conformity analysis. AQS will finalize the project list in August 2018; then look for the results in October 2018, and a joint RTP Update and AQS Conformity Analysis Public Comment Period will run from January 14-March 6, 2019. Finally, the AQS, TAC (February 2019) and Council (March 2019) would recommend adoption followed by submission to the federal agencies.

12. Public Opinion Survey

Ms. Novakoff distributed the 2018 Public Opinion Survey (**Attachment B**). The last major update of the Public Opinion Survey was completed in 2006. The survey subcommittee met in August 2017, which included five TAC members, two PAC members and two staff members. Sample surveys were reviewed and survey goals were developed.

The National Research Center (NRC) is helping to develop the new combined survey script for Cecil and New Castle Counties. NRC has kept many existing questions, but removed redundant questions, revised demographic quotas, removed or revised questions with high "other" responses, and revised questions for more specific understanding.

The changes to the question on page 2, includes that modes are asked about individually, more modes are added to the frequency of mode use (page 3), such as taxi, shared vehicle, and Amtrak, paratransit (#11-15). There are new-open ended questions on mobility follow-up for those not walking, biking, or using transit (page 4, #18); and a new question is on how often is there a lack of transportation that prevents activities (page 5, #24). Regarding funding priorities, on Page 6, a new question asks to support or not support various funding mechanisms (#26-34).

Regarding criticality of issues (pages 7-9), new issues include adapt to Sea Level Rise (SLR), #41; develop infrastructure to support Automated Vehicles (AV), #42; support low-polluting vehicles, #43; ensure access to transit, #44; reduce health impacts of pollution, #45; and connect to neighborhoods #46.

On page 11, regarding the planning process, new questions include I am aware of how transportation projects are selected (agree, disagree), #59; I am aware that WILMAPCO, DelDOT, and MDOT have Regional Transportation Plans (RTPs), #60; and I am familiar with the Transportation Improvement Program (TIP), #61.

Regarding the new demographics on page 14, questions include number of bicycles in your household, #76; difficulty walking or climbing stairs, #81; interest in receiving a copy of survey results via email, #82; and web address provided for those wanting more information (page 16).

The Public Survey timeline includes staff review, initial goals discussion, and TAC subcommittee selection (July 2017). TAC subcommittee selection (August 2017); Subcommittee reviews sample questions and drafts script (September 2017). Subcommittee review (November 2017); PAC/TAC review (December 2017); Council review (January 2018); and Final script (January 2018). PAC/TAC approval (February/March 2017); Council Approval (March 2017);

Public Opinion Survey calls (May-July 2018); Draft report (August 2017); and Final Report (September 2018).

Mr. Dahlstrom asked when you ask if you are a resident, is there a provision for seasonal households. Ms. Novakoff replied that the committee could consider that provision.

Ms. Gray said she feels that an 87- question survey is too long. Ms. Novakoff said it is currently a 22-minute survey, and we are trying to get it down to a 17-minute survey. Ms. Novakoff said we continue to streamline the questions during the revision process. Ms. Dahlstrom asked if there were alternative surveys considered besides by telephone. Ms. Novakoff replied that staff had looked into that. Mr. Swiatek added telephone is the most comprehensive method we have found.

Mr. Shelton asked if there was any bias regarding surveying different people. Ms. Novakoff said we conduct 600 surveys and get a statistically valid survey. Ms. Dunigan added regarding DNREC's Statewide Comprehensive Recreation Plan telephone survey that they conduct public outreach ahead of time and announce that the survey is coming. They also conduct an online web survey, which may garner different results.

Mr. Dahlstrom asked about the following questions on Page 7:

- Question #33: Do you support or do not support increasing fares on public transit. – He suggested that the question say what the fares are for.
- Question #34: What about including the private sector in financing transportation. Typically, this means a private company renovates, builds, operates, maintains, manages or finances a project. Would you support or not support this. – He asked is there a list of private sector projects you could add. Ms. Novakoff responded that would probably add too much time to the length of the survey.
- Question #35: Are there other things that the state should do to close the funding gap for transportation. – He asked why the specific state is not included in this question. Ms. Novakoff replied we ask for the zip codes in the beginning of the survey, which lets us know what state it is.

INFORMATION ITEMS:

13. Staff Report

Ms. Heather Dunigan reported on the following plans and events:

- The Wilmington Initiatives (WI) projects that were suggested for the UPWP include:
 - 1) Twelfth Street Connector; 2) Five-Points Intersection; and 3) Seventh Street Peninsula projects. Staff is working on Requests for Proposals (RFPs) for these projects.
- Staff has been working with City of Wilmington on the Shipley Street Corridor improvements project. Staff has also attended the Wilmington Comprehensive Plan public meetings.
- The Route 202 Master Plan is being amended to the UPWP subject to Council approval, and staff is working on an RFP for it.
- The Delaware APA Conference in Rehoboth will be held in October 2018. There is a call for presentations on the APA website.
- The Route 9 Corridor Master Plan Monitoring Committee Meeting was held on December 7, 2017. The next meeting will be held on January 23, 2018.
- The Elkton Pedestrian Plan Steering Committee meeting was held on December 6, 2017. A public meeting will be held on January 17, 2018, along with a presentation to the Elkton Mayor and commissioners.

- On November 27, 2017, staff participated in the Resilient and Sustainable Community Summit in Dover.
- The Delmarva Freight Summit was held on December 5, 2017, at the Duncan Center in Dover.
- On December 5, 2017, the I-95/896 Public Workshop was held.
- On December 6, 2017, staff participated in Stubbs Literacy Night and read a story to the children about pedestrian safety.

OTHER BUSINESS

Ms. Catherine Smith said Delaware Transit Corporation (DTC) just completed the December service changes. She added some changes were well received and others caused controversy. The service changes spanned 66 pages. She said Community Conversations would be held that will be in preparation for the May 20, 2018 service changes. She added DTC needs to develop a separate App than the DeIDOT App. Feedback results also included that bus stops are spread out too much. Mr. Dahlstrom, Vice Chair, introduced his wife, Stacey Dahlstrom, who is representing the New Castle County Department of Land Use at the TAC and AQS meeting today.

ADJOURNMENT

The meeting adjourned at 11:05 a.m., which was followed by the TAC and AQS Holiday Lunch and networking.

Attachments (2)

WILMAPCO PUBLIC OPINION SURVEY 2018

Hello, my name is _____ from the National Research Center on behalf of WILMAPCO, the Wilmington Area Planning Council. WILMAPCO plans highway, rail, bicycle, and pedestrian transportation improvement projects in New Castle County, Delaware and Cecil County, Maryland. We are calling to find out what types of transportation improvements are important to you. May I take some of your time to ask you some questions? [Note to interviewers, pronounce “WILMAPCO” as “will map coe”]

In order to keep our survey representative, I would like to speak to the adult member in your household who most recently had a birthday. Is that you?
 (IF YES, GO TO Q1. IF NO CONTINUE)

May I speak with that person please?

(REPEAT FIRST PARAGRAPH IF THE BIRTHDAY PERSON IS NOT THE PERSON WHO ANSWERED THE PHONE. IF THAT PERSON IS NOT AT HOME, GET THAT PERSON’S FIRST NAME AND SCHEDULE A CALL BACK)

[PROGRAMMING NOTE: USE SAMPLE BRING-INS FOR STATE AND COUNTY TEXT (CECIL COUNTY, MARYLAND & NEW CASTLE COUNTY, DELAWARE)]

1. Are you a resident of Cecil County/New Castle County?

- 1 Yes (CONTINUE)
- 2 No (TERMINATE SURVEY)
- 3 Don’t Know/Refused (DO NOT READ) (TERMINATE SURVEY)

2. Are you Spanish, Hispanic or Latino?

- 1 Yes
- 2 No
- 3 Refused (DO NOT READ)

3. Which of the following races do you consider yourself to be?

[MULTIPLE RESPONSE. PROBE] **Anything else?**

- 1 American Indian or Alaskan native
- 2 Asian or Pacific Islander
- 3 Black/African American
- 4 White/Caucasian
- 5 Other
- 6 Refused (DO NOT READ)

QUOTA*	Cecil County	New Castle County
Hispanic	7	35
Non-Hispanic White	177	251
Non-Hispanic Black	13	95
Non-Hispanic Asian	3	19
TOTAL	200	400

* To be updated as needed

4. The overall transportation system includes roads, buses, trains, sidewalks and bike facilities. How well do you feel the overall transportation system meets your travel needs? Would you say very well, somewhat well, not too well, or not at all?

- 4 Very Well
- 3 Somewhat Well
- 2 Not Too Well
- 1 Not at All
- 5 Don't know/Refused (DO NOT READ)

5. What do you think is the biggest transportation problem facing Cecil County/New Castle County today? (RECORD ONE RESPONSE – DO NOT READ LIST)

- 1 SPECIFY: _____
- 2 Don't know/Refused
- 3 None, there really isn't any transportation problem (DO NOT READ)

6. What types of transportation would you like access to that you do not have available now? (PROMPT IF NEEDED bus, train, auto, bike, walk) (RECORD ALL RESPONSES) (PROMPT IF NEEDED: Any other type of transportation you'd like available?)

- 1 Bus
- 2 Train
- 3 Auto /Car
- 4 Bicycle
- 5 Walk
- 9 Car Share / Ride share
- 10 Bike share
- 6 Other (DO NOT READ) (SPECIFY: _____)
- 7 Don't know/Refused (DO NOT READ)
- 8 None, I have access to all I need (DO NOT READ)

7. How well do you feel the public transit system meets the needs of Cecil County/New Castle County residents who would like to use trains or buses for transportation? Would you say...

- 4 Very Well
- 3 Somewhat Well
- 2 Not Too Well
- 1 Not at All
- 5 Don't know/Refused (DO NOT READ)

8. How well do you feel the transportation system meets the needs of Cecil County/New Castle County pedestrians or residents who would like to walk? This would include things like sidewalks and crosswalks.

- 4 Very Well
- 3 Somewhat Well
- 2 Not Too Well
- 1 Not at All
- 5 Don't know/Refused (DO NOT READ)

9. How well do you feel the transportation system meets the needs of Cecil County/New Castle County bicyclists or residents who like to bike? This would include things like bike lanes and bicycle parking.

- 4 Very Well
- 3 Somewhat Well
- 2 Not Too Well
- 1 Not at All
- 5 Don't know/Refused (DO NOT READ)

10. In your opinion, which one of the following do you think is the best long-term solution to reduce traffic congestion? Would you say... [RECORD ONE RESPONSE ONLY]

- 1 Building new roads,
- 2 Improving public transit,
- 3 Encouraging carpooling, walking or biking
- 4 Creating communities where people do not have to drive as much
- 5 Improving signal timing or other technological improvement
- 6 Don't know/Refused (DO NOT READ)

11. Now I'm going to ask you about how often do you use the following modes of transportation? What about driving alone in a motor vehicle or motorcycle? Would you say...

- 1 Never
- 2 Less than once a month
- 3 1 to 3 times a month
- 4 1 to 3 times a week
- 5 4 or more times a week
- 6 Don't know/Refused (DO NOT READ)

12. What about driving with others, not in your household, whether informally, or in a formal carpool or van pool? Would you say...

- 1 Never
- 2 Less than once a month
- 3 1 to 3 times a month
- 4 1 to 3 times a week
- 5 4 or more times a week
- 6 Don't know/Refused (DO NOT READ)

13. Taking a taxi or other ride share like Uber or Lyft? (Would you say...)

- 1 Never
- 2 Less than once a month
- 3 1 to 3 times a month
- 4 1 to 3 times a week
- 5 4 or more times a week
- 6 Don't know/Refused (DO NOT READ)

14. What about public transit, including buses and trains? (Would you say...)

- 1 Never
- 2 Less than once a month
- 3 1 to 3 times a month
- 4 1 to 3 times a week
- 5 4 or more times a week
- 6 Don't know/Refused (DO NOT READ)

15. What about Paratransit, a door-to-door service for people with a physical or cognitive disability? How often would you say you use this?

- 1 Never
- 2 Less than once a month
- 3 1 to 3 times a month
- 4 1 to 3 times a week
- 5 4 or more times a week
- 6 Don't know/Refused (DO NOT READ)

16. Bicycling?

- 1 Never
- 2 Less than once a month
- 3 1 to 3 times a month
- 4 1 to 3 times a week
- 5 4 or more times a week
- 6 Don't know/Refused (DO NOT READ)

17. Walking?

- 1 Never
- 2 Less than once a month
- 3 1 to 3 times a month
- 4 1 to 3 times a week
- 5 4 or more times a week
- 6 Don't know/Refused (DO NOT READ)

18. [ASK Q18 through Q20 IF Q16=1 or 2]

You indicated that never walk or only walk a few times a year. Could you tell me if you have a health or mobility issue that prevents you from being able to walk?

- 1 Yes (GO TO Q24)
- 2 No
- 3 Don't know/Refused (DO NOT READ)

19. What are the main reasons you do not walk or walk more often?

- 1 SPECIFY: _____
- 2 Don't Know/Refused (DO NOT READ)

20. [ASK Q20 through Q22 IF Q15=1 or 2]

You indicated that never bike or only bike once or twice a year. Could you tell me if you have a health or mobility issue that prevents you from being able to bike?

- 1 Yes (GO TO Q22)
- 2 No
- 3 Don't know/Refused (DO NOT READ)

21. What are the main reasons you do not bike or bike more often?

- 1 SPECIFY: _____
- 2 Don't Know/Refused (DO NOT READ)

22. [ASK Q22 through Q23 IF Q14=1 or 2]

You indicated that you never use public transit or only use it only a few times a year. Could you tell me if you have a health or mobility issue that prevents you from being able to use public transit?

- 1 Yes (GO TO Q24)
- 2 No
- 3 Don't know/Refused (DO NOT READ)

23. What are the main reasons you do not use public transit or use it more often?

- 1 SPECIFY: _____
- 2 Don't Know/Refused (DO NOT READ)

24. We'd like to know how often problems with access to transportation prevent you from participating in activities such as visiting friends or family or attending social activities, grocery shopping, getting medical care or other essential errands. Would you say that a lack of transportation for these types of activities is always, sometimes or never an issue for you?

- 1 Always
- 2 Sometimes
- 3 Never
- 4 Don't know/Refused (DO NOT READ)

25. I am going to read you a list of five types of transportation improvements. I'd like you to tell me which TWO you think should receive the highest priority for funding? Here is the list... (READ LIST BELOW) Which two should receive the highest priority for funding? (RECORD TWO RESPONSE)

- 1 Maintain and repair the existing transportation system
- 2 Build more roads and highways
- 3 Provide more options such as transit, walk or bike
- 4 Increase safety for all travel options
- 5 Use technology to improve the transportation system
 [NOTE TO INTERVIEWER: IF THEY ASK; "things such as coordinating traffic signals, electronic information signs, variable speed limit signs, distributing real-time traffic data to websites, social media feeds, mobile apps, and local media stations"]
- 6 Other (DO NOT READ) (SPECIFY: _____)
- 7 Don't have a second priority (DO NOT READ)
- 8 Not sure/Refused (DO NOT READ)

26. There are always more transportation projects than there is money to pay for them. Please tell me if you support or do not support this funding method to help close the gap.

How about raising tolls? Do you support or not support raising more money for transportation projects this way?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

27. Do you support or not support raising vehicle fuel taxes?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

28. Do you support or not support a tax on vehicle miles traveled, which would mean that those who travel more would pay more?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

29. Do you support or not support raising vehicle license and registration fees?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

30. Do you support or not support an additional fee to license and register inefficient vehicles?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

31. Do you support or not support creating new fees paid by developers or those who benefit from the transportation improvements?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

32. What about delaying or eliminating some projects to save money? Would you support or not support this?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

33. Do you support or do not support increasing fares on public transit?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

34. What about including the private sector in financing transportation? Typically this means a private company renovates, builds, operates, maintains, manages or finances a project. Would you support or not support this?

- 1 Support
- 2 Do not support
- 3 Don't Know/Refused (DO NOT READ)

35. Are there other things that the state should do to close the funding gap for transportation? (RECORD ALL RESPONSES)

- 1 SPECIFY: _____
- 2 None (DO NOT READ)
- 3 Don't Know/Refused (DO NOT READ)

36. Next, I am going to read you a list of issues that we are facing in Cecil County/New Castle County. For each please tell me how important, if at all, you think it is for WILMAPCO and the area communities to address each of the following. What about..?

Reducing traffic congestion? Do you think this it is essential, important, somewhat important or not very important for WILMAPCO to address this issue?

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

37. Improving the public transit system – bus and train service? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

38. Revitalizing existing communities and downtowns? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

39. Improving facilities for biking and walking? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

40. Preserving open space and farmland? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

41. Understanding and adapting infrastructure so that transportation is resilient in the face of rising sea levels? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

42. Developing infrastructure to support automated, self-driving vehicles? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

43. Developing or supporting infrastructure for no or low-polluting alternative fuel vehicles, such as charging stations for electric vehicles? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

44. Ensure access to public transit by everyone, especially those who are unable to drive or do not own a car. (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

45. Reducing the negative health impacts of transportation pollution? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

46. Connecting neighborhoods to each other and nearby destinations? (Is this...?)

- 4 Essential
- 3 Important
- 2 Somewhat important
- 1 Not very important
- 5 Don't know/Not sure/Refused (DO NOT READ)

47. Do you feel that is it is always appropriate, sometimes appropriate or never appropriate mix businesses with residential development?

- 1 Always appropriate
- 2 Sometimes appropriate
- 3 Never appropriate
- 4 Don't know/Not sure/Refused (DO NOT READ)

48. Please tell me if you agree, or disagree and how strongly with the following statements.

What about “Concentrating development and transportation projects in areas with existing higher population and employment, and limiting projects in rural areas to those that maintain existing systems and improve their safety”? (Would you strongly agree, agree, disagree or strongly disagree?)

- 4 Strongly agree,
- 3 Agree
- 2 Disagree, or
- 1 Somewhat disagree
- 5 Don't know/Not sure/Refused (DO NOT READ)

49. More funding should be devoted to support and encourage bicycling, walking and public transit use. (Would you say...)

- 4 Strongly agree
- 3 Agree
- 2 Disagree
- 1 Strongly Disagree
- 5 Don't know/Refused (DO NOT READ)

50. Cecil County/New Castle County should support farmland or open space preservation. (Would you strongly agree, agree, disagree or strongly disagree?)

- 4 Strongly agree
- 3 Agree
- 2 Disagree
- 1 Strongly Disagree
- 5 Don't know/Refused (DO NOT READ)

51. Do you support increasing densities of housing and commercial development in existing town and city cores? Would you say you...

- 4 Strongly support,
- 3 Somewhat support,
- 2 Somewhat oppose, or
- 1 Strongly oppose increasing development density in certain areas of the region?
- 5 Don't know/Not sure/Refused (DO NOT READ)

52. [ASK IF Q51=2 OR 1]

Why do you oppose increasing density in existing town and city cores?

-
- 2 Don't know/Not sure/Refused (DO NOT READ)

53. Now, I'd like to ask you a few questions on air quality. How would you rate air quality in our region? Would you rate air quality as very good, good, fair, poor or very poor?

- 5 Very good
- 4 Good
- 3 Fair
- 2 Poor
- 1 Very poor
- 6 Don't know/Refused (DO NOT READ)

54. Have you heard of Air Quality Action days?

- 1 Yes
- 2 No
- 3 Don't know/Refused (DO NOT READ)

55. Have you heard of the Air Quality Partnership of Delaware?

- 1 Yes
- 2 No
- 3 Don't know/Refused (DO NOT READ)

56. Have you heard of particulate matter or PM 2.5?

- 1 Yes
- 2 No
- 3 Don't know/Refused (DO NOT READ)

57. What, if anything, would you be willing to do to improve air quality in our region?

- 1 SPECIFY: _____
- 2 Nothing (DO NOT READ)
- 3 Don't Know/Refused (DO NOT READ)

58. As I stated in the beginning, this survey is being conducted by WILMAPCO, the Wilmington Area Planning Council. Are you familiar with this organization?

- 1 Yes
- 2 No
- 3 Not sure/Don't know/Refused (DO NOT READ)

59. Please tell me if you strongly agree, agree, disagree or strongly disagree with the following statements about WILMAPCO, the Wilmington Area Planning Council.

**What about: "I am aware of how transportation projects are selected."
(Do you strongly agree, agree, disagree or strongly disagree?)**

- 1 Strongly agree
- 2 Agree
- 3 Disagree
- 4 Strongly disagree
- 5 Don't know/Refused (DO NOT READ)

60. What about “I am aware that WILMAPCO, DeIDOT and MDOT have long-range regional transportation plans”? (Do you strongly agree, agree, disagree or strongly disagree?) [Note to interviewers: pronounce DeIDOT as “dell dot” and “MDOT” as “M dot”]

- 1 Strongly agree
- 2 Agree
- 3 Disagree
- 4 Strongly disagree
- 5 Don't know/Refused (DO NOT READ)

61. What about “I am familiar with WILMAPCO’s Transportation Improvement Program, or TIP?” (Do you strongly agree, agree, disagree or strongly disagree?)

- 1 Strongly agree
- 2 Agree
- 3 Disagree
- 4 Strongly disagree
- 5 Don't know/Refused (DO NOT READ)

62. And finally, “Transportation planning is done well in Cecil County/New Castle County”? (Do you strongly agree, agree, disagree or strongly disagree?)

- 1 Strongly agree
- 2 Agree
- 3 Disagree
- 4 Strongly disagree
- 5 Don't know/Refused (DO NOT READ)

63. WILMAPCO often seeks feedback from residents when creating plans and designing transportation projects. How likely, if at all, would you be to engage with WILMAPCO in each of the following ways?

What about providing comments and feedback through social media? Would you be very likely, somewhat likely or not at all likely to engage with WILMAPCO this way?

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

64. What about by communicating directly with staff by phone or email? (Would you say...?)

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

65. What about attending public meetings? (Would you say...?)

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

66. Attending web-based public meetings, which are meetings that are scheduled for a set time and can be attended online? (Would you say...?)

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

67. Attending a telephone town hall, which is like a radio call-in show, but by phone with staff or elected or appointed officials? (Would you say...?)

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

68. Attending a WILMAPCO Council or committee meeting? (Would you say...?)

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

69. Attending a workshop that includes education about an issue where participants identify collaborative solutions to improve conditions in their community? (Would you say...?)

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

70. Providing feedback through online surveys? (Would you say...?)

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

71. Providing feedback through mailed or telephone surveys? (Would you say...?)

- 1 Very likely
- 2 Somewhat likely
- 3 Not at all likely
- 4 Don't know/Refused (DO NOT READ)

72. Are there any other ways you would like to engage with WILMAPCO to provide feedback on future plans transportation projects?

- 1 SPECIFY: _____
- 2 Don't Know/Refused (DO NOT READ)

73. Finally, I'd like to ask you a few questions for classification purposes.

In which age category may I place you? (READ LIST)

- 1 18-24
- 2 25-34
- 3 35-44
- 4 45-54
- 5 55-64
- 6 65+
- 7 REFUSED (DO NOT READ)

74. Including yourself, how many persons live in your household? (DO NOT READ LIST)

- 1 One
- 2 Two
- 3 Three
- 4 Four
- 5 Five
- 6 Six or more
- 7 REFUSED

75. How many automobiles or other passenger vehicles like SUVs or pickups, does your household have? (DO NOT READ LIST)

- 1 One
- 2 Two
- 3 Three
- 4 Four
- 5 Five
- 6 Six or more
- 7 REFUSED

76. How many usable bicycles does your household have? (DO NOT READ LIST)

- 1 One
- 2 Two
- 3 Three
- 4 Four
- 5 Five
- 6 Six or more
- 7 REFUSED

77. Are you currently employed?

- 1 Yes, Employed
- 2 No, Not Employed
- 3 No, Retired
- 4 Don't Know/Refused

78. What is the highest level of education you have achieved? (READ LIST AS NEEDED)

- 1 Non-high school graduate
- 2 High school graduate
- 3 Some college or an associates or technical degree
- 4 Bachelors degree
- 5 Graduate degree
- 6 Refused

79. So that we can group all answers, what is your total annual household income? Is it....? (READ LIST)

- 1 UNDER \$25,000
- 2 \$25,000 to under \$50,000
- 3 \$50,000 to under \$100,000
- 4 \$100,000 or MORE
- 5 Refused (DO NOT READ)

80. What is your zip code?

- 1 SPECIFY: _____
- 2 Don't Know/Refused (DO NOT READ)

81. Do you have serious difficult walking or climbing stairs?

- 1 Yes
- 2 No
- 3 REFUSED (DO NOT READ)

82. Would you be interested in receiving an email from WILMAPCO with a copy of the results from this survey?

- 1 Yes
- 2 No
- 3 Don't know/Refused

83. Would you be interested in receiving a monthly e-news letter from WILMAPCO?

- 1 Yes
- 2 No
- 3 Don't know/Refused

84. Would you be interested in receiving a quarterly mailed newsletter from WILMAPCO?

- 1 Yes
- 2 No
- 3 Don't know/Refused

85. [IF Q82=1 OR Q83=1 ASK]

**May I have your email address so WILMAPCO can contact you as requested?
(RECORD RESPONSE)**

- 1 SPECIFY: _____
- 2 No/Don't Know/Refused

86. [IF Q84=1 ASK]

**May I have your name and address so WILMAPCO can send you the quarterly
newsletter? (RECORD RESPONSE)**

- 1 SPECIFY: _____
- 2 No/Don't Know/Refused

87. Was this person male or female? (RECORDED BY INTERVIEW)

- 1 Male
- 2 Female

**That was my last question; thank you very much for your time. If you would like to learn
more about WILMAPCO, you can visit wimapco.org. Have a good evening.**