

# WILMAPCO Council

## Action Item Summary Sheet

Meeting Date: November 14, 2019

**Action Item #13:** To Approve Use of Federal STBG, CMAQ, FTA Urbanized Area, FTA 5310, and TAP Funds in FY 2020

**Description/Summary of Item:**

Staff will present information on the proposed use of Federal funds in FY 2020.

**Summary of Action Taken by PAC:**

The PAC did not take any action on this agenda item.

**Summary of Action Taken by TAC:**

The TAC recommended that Council amend the TIP at their October 17 meeting, contingent on favorable review of supplemental information by the Air Quality Subcommittee.

**Summary of Action Taken by Subcommittee/Task Force (if applicable):**

The Air Quality Subcommittee will review the information at the November 14 meeting.

**WILMAPCO Staff Recommendations:**

The WILMAPCO staff recommends that Council approve the suggested use of federal STBG, CMAQ, FTA Urbanized Area, FTA 5310, and TAP funds for FY 2020, subject to favorable review of supplemental information by the Air Quality Subcommittee.

**WILMAPCO Council:**

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

**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*

**Dave Warnick**  
*Rising Sun Commissioner*

**WILMAPCO Executive Director**  
Tigist Zegeye

## **DRAFT RESOLUTION**

### **BY THE WILMINGTON AREA PLANNING COUNCIL (WILMAPCO) RECOMMENDING USE OF SURFACE TRANSPORTATION BLOCK GRANT PROGRAM, CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM, TRANSPORTATION ALTERNATIVES PROGRAM, FTA URBANIZED AREA, AND FTA 5310 PROGRAM FUNDS**

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

**WHEREAS**, the United States Department of Transportation (USDOT) Regulations and Regulations of Fixing America's Surface Transportation Act (FAST) Metropolitan Planning Requirements require that the MPO, in cooperation with participants in the planning process, develop, and at least every four years, update the Transportation Improvement Program (TIP); and

**WHEREAS**, the use of federal funds for projects in the TIP are determined through a process of consultation and coordination between the Delaware Department of Transportation and WILMAPCO;

**NOW, THEREFORE, BE IT RESOLVED** that the Wilmington Area Planning Council does hereby approve the recommended programming of STBG, CMAQ, FTA Urbanized Area, FTA 5310, and TAP Funds for FY 2020 projects.

Date:

John Sisson, Chairperson  
Wilmington Area Planning Council



STATE OF DELAWARE  
**DEPARTMENT OF TRANSPORTATION**  
 800 BAY ROAD  
 P.O. BOX 778  
 DOVER, DELAWARE 19903

JENNIFER COHAN  
 SECRETARY

October 8, 2019

Ms. Tigist Zegeye  
 Executive Director  
 WILMAPCO  
 100 Discovery Blvd  
 UD Star Campus Tower, Suite 800  
 Newark, DE 19711

Dear Ms. Zegeye:

Pursuant to the adoption of Wilmington Area Planning Council's (WILMAPCO) Fiscal Year 2020 - 2023 TIP and the Delaware Department of Transportation's Fiscal Year 2019 - 2022 STIP, I am recommending programming Federal funds for Fiscal Year 2020 projects as follows:

**Surface Transportation Block Grant Program (STBG) (Population over 200,000) (Z230)**

| <u>Project</u>                               | <u>Amount</u>       |
|--|---------------------|
| A Street Shared Use Path, Wilmington         | \$560,000           |
| Little Baltimore Road Drainage Improvements  | \$1,203,330         |
| Christina River Bridge Approaches            | \$2,029,216         |
| Statewide Paving & Rehabilitation            | \$2,800,000         |
| Bridge Preservation (BR 1-022; 1-148; 1-302) | \$3,746,381         |
| <b>Total:</b>                                | <b>\$10,338,927</b> |

**Surface Transportation Block Grant Program (STBG) (Population 5K to 200K) (Z231)**

| <u>Project</u>                   | <u>Amount</u>      |
|----------------------------------|--------------------|
| SR 299, SR 1 to Catherine Street | \$7,394,331        |
| <b>Total:</b>                    | <b>\$7,394,331</b> |

**FTA Urbanized Area (5307)**

| <u>Project</u>  | <u>Amount</u>       |
|---|---------------------|
| Preventive Maintenance - New Castle County              | \$5,200,000         |
| Claymont Station  | \$7,700,000         |
| NCC Transit Center                                      | \$800,000           |
| Transit Vehicle Replacement (21) 40' NCC FY21           | \$7,784,856         |
| Paratransit Replacement Buses NCC FY21                  | \$1,956,126         |
| Churchman's Crossing Fairplay Station Parking Expansion | \$1,001,600         |
| Beech Street Maintenance Building                       | \$2,497,210         |
| <b>Total</b>  | <b>\$26,939,792</b> |



**Congestion Mitigation/Air Quality (CMAQ) (Z400)**

| <u>Project</u>   | <u>Amount</u>       |
|--|---------------------|
| Statewide Rideshare – Transportation Management Improvements | \$360,000           |
| Statewide Bicycle and Pedestrian Improvements                | \$4,000,000         |
| Elkton Road – MD Line to Casho Mill Rd                       | \$5,000,000         |
| Statewide Transportation Management Improvements             | \$2,544,000         |
| <b>Total</b>   | <b>\$11,904,000</b> |

**FTA Elderly and Persons with Disabilities (5310)**

| <u>Project</u>                        | <u>Amount</u>    |
|---------------------------------------|------------------|
| Statewide Transit Vehicle Replacement | \$458,596        |
| <b>Total</b>                          | <b>\$458,596</b> |

**Transportation Alternatives Program (Z300, Z301, 5307)**

| <u>Project</u>  | <u>Amount</u>      |
|---|--------------------|
| Statewide Transportation Alternatives (FHWA)                | \$2,857,957        |
| Transportation Alternatives Wilmington Urbanized Area (FTA) | \$160,000          |
| <b>Total</b>  | <b>\$3,017,957</b> |

We respectfully request your approval by way of signature on this document. If you have any questions, please contact me at (302) 760-4819.

Sincerely,

APPROVED: \_\_\_\_\_  
Tigist Zegeye  
Executive Director

  
\_\_\_\_\_  
Amanda Giuttari  
Sr. Fiscal Management Analyst, Finance

- cc: Doug Atkin, Division Administrator, FHWA
- Theresa Garcia Crews, Regional Administrator, FTA
- Jennifer Cohan, Secretary
- Lanie Thornton, Director, Finance
- Shante Hastings, Director, Transportation Solutions
- Drew Boyce, Director, Planning
- John T. Sisson, Chief Executive Officer, Delaware Transit Corporation

|     | A          | B           | C      | D  | E       | F               | G            | H    | I    | J    | K          | L         | M          |
|-----|------------|-------------|--------|--|---------|-----------------|--------------|------|------|------|------------|-----------|------------|
| 1   |            |             |        | <b>FY 2020 FHWA OBLIGATIONAL PLAN</b>                    |         |                 |              |      |      |      |            |           |            |
| 2   |            |             |        | 11/4/2019  |         |                 |              |      |      |      |            |           |            |
| 3   | STATE      | NON-FORMULA | APPORT | PROJECT  |         |                 |              |      |      |      |            | FUNDS     | FUNDS      |
| 4   | PROJECT    |             |        |  |         |                 |              |      |      |      |            | OBLIGATED | TO BE      |
| 5   | NUMBER     | FUNDS       | CODE   | TITLE  | REASON  | SIIP            | PROGRAM NAME | DATE | DATE | AUTH | FED \$     | TO DATE   | OBLIGATED  |
| 194 | T201920001 |             | L22E   | LAKE AVENUE STREETSCAPE IMPROVEMENTS PHASE 2             | CONS    | UPDATED 9.10.19 | TAP          |      |      |      | 800,000.00 |           | 800,000.00 |
| 195 | T202020001 |             | Z302   | LAUREL RAMBLE RIVERWALK                                  | PE      | ADDED 7.31.19   | TAP          |      |      |      | 120,000.00 |           | 120,000.00 |
| 196 | T202020001 |             | Z302   | LAUREL RAMBLE RIVERWALK                                  | PD      | ADDED 7.31.19   | TAP          |      |      |      | 32,000.00  |           | 32,000.00  |
| 197 | T201820002 |             | Z302   | MARKET ST. AND FRONT ST. PEDESTRIAN IMPROVEMENTS-SEAFORD | CONVERT | UPDATED 9.11.19 | TAP          |      |      |      | 164,000.00 |           | 164,000.00 |
| 198 | T201620018 |             | Z302   | SAVANNAH ROAD PEDESTRIAN AND BICYCLE IMPROVEMENTS        | CONVERT | UPDATED 5.16.19 | TAP          |      |      |      | 88.73      |           | 88.73      |
| 199 | T201620018 |             | L220   | SAVANNAH ROAD PEDESTRIAN AND BICYCLE IMPROVEMENTS        | CONVERT | UPDATED 9.10.19 | TAP          |      |      |      | 166,208.05 |           | 166,208.05 |
| 200 | 05-10048   |             | Z301   | TRANSPORTATION ALTERNATIVES - FHWA                       |         | UPDATED 2.19.19 | TAP          |      |      |      | 342,464.13 |           | 342,464.13 |
| 201 | 05-10048   |             | Z303   | TRANSPORTATION ALTERNATIVES - FHWA                       |         | UPDATED 5.14.18 | TAP          |      |      |      | 255,154.00 |           | 255,154.00 |
| 202 | 05-10048   |             | Z302   | TRANSPORTATION ALTERNATIVES - FHWA                       |         | UPDATED 7.31.19 | TAP          |      |      |      | 89,066.22  |           | 89,066.22  |
| 203 | 05-10048   |             | Z300   | TRANSPORTATION ALTERNATIVES - FHWA                       |         | UPDATED 9.11.19 | TAP          |      |      |      | 464,979.00 |           | 464,979.00 |
| 204 | T201620014 |             | Z301   | WALNUT STREET STREETSCAPE IMPROVEMENTS                   | CONVERT | ADDED 2.19.19   | TAP          |      |      |      | 127,445.13 |           | 127,445.13 |
| 205 | T201620014 |             | L22E   | WALNUT STREET STREETSCAPE IMPROVEMENTS                   | CONVERT | UPDATED 9.10.19 | TAP          |      |      |      | 180,074.86 |           | 180,074.86 |
| 206 | T201620014 |             | L22R   | WALNUT STREET STREETSCAPE IMPROVEMENTS                   | CONVERT | UPDATED 9.10.19 | TAP          |      |      |      | 27,678.77  |           | 27,678.77  |
| 207 | T201620014 |             | Q220   | WALNUT STREET STREETSCAPE IMPROVEMENTS                   | CONVERT | UPDATED 9.10.19 | TAP          |      |      |      | 88,798.11  |           | 88,798.11  |

| FY 2020 FHWA OBLIGATIONAL PLAN |                   |             |  |         |                  |                     |             |           |              |                         |                       |  |
|--------------------------------|-------------------|-------------|--|---------|------------------|---------------------|-------------|-----------|--------------|-------------------------|-----------------------|--|
| 11/4/2019                      |                   |             |  |         |                  |                     |             |           |              |                         |                       |  |
| STATE PROJECT NUMBER           | NON-FORMULA FUNDS | APPORT CODE | PROJECT TITLE  | REASON  | STIP             | PROGRAM NAME        | SUBMIT DATE | AUTH DATE | FED \$ AUTH  | FUNDS OBLIGATED TO DATE | FUNDS TO BE OBLIGATED |  |
| 21                             | T201807103        | Z230        | BR 1-022 AND BR 1-525 ON SHARPLEY ROAD   | CONS    | UPDATED 1.22.19  | Bridge Pres         |             |           | 1,680,000.00 |                         | 1,680,000.00          |  |
| 24                             | T201907905        | Z230        | BR 1-148A&B ON N330 GREENBANK ROAD OVER RED CLAY CREEK                             | CONVERT | UPDATED 6.26.19  | Bridge Pres         |             |           | 1,128,174.26 |                         | 1,128,174.26          |  |
| 37                             | 05-10806          | Z230        | BRIDGE PRESERVATION  |         | UPDATED 6.19.19  | Bridge Pres         |             |           | 228,606.26   |                         | 228,606.26            |  |
| 40                             | T201607103        | Z230        | BRIDGE REPLACEMENTS ON SR9, BR 1-302 OVER TOM CREEK AND BR 1-304 OVER GAMBLE'S GUT | CONS    | UPDATED 8.20.19  | Bridge Pres         |             |           | 709,600.00   |                         | 709,600.00            |  |
| 76                             | 05-10038          | Z230        | PAVEMENT REHABILITATIONS   | CONS    |                  | PAVING              |             |           | 2,800,000.00 |                         | 2,800,000.00          |  |
| 89                             | T200512102        | Z230        | CHRISTINA RIVER BRIDGE APPROACHES  | CONVERT | ADDED 8.28.19    | ROW                 |             |           | 1,300,000.00 |                         | 1,300,000.00          |  |
| 95                             | T201912101        | Z230        | A STREET SHARED USE PATH, WILMINGTON   | CONS    | ADDED 10.15.18   | T201912101 STIP Rpt |             |           | 560,000.00   |                         | 560,000.00            |  |
| 112                            | T200512102        | Z230        | CHRISTINA RIVER BRIDGE APPROACHES  | CONVERT | UPDATED 10.22.19 |                     |             |           | 729,216.22   |                         | 729,216.22            |  |
| 124                            | T201404101        | Z230        | LITTLE BALTIMORE ROAD DRAINAGE IMPROVEMENTS  | CONVERT | ADDED 9.24.19    |                     |             |           | 1,203,329.96 |                         | 1,203,329.96          |  |

| FY 2010 FHWA OBLIGATIONAL PLAN |             |        |  |             |                 |          |      |      |        |                 |             |              |
|--------------------------------|-------------|--------|--|-------------|-----------------|----------|------|------|--------|-----------------|-------------|--------------|
| 1/14/2019                      |             |        |  |             |                 |          |      |      |        |                 |             |              |
| STATE PROJECT                  | NON-FORMULA | APPORT | PROJECT  | REASON      | SIP             | REASON   | DATE | DATE | FED \$ | FUNDS OBLIGATED | FUNDS TO BE |              |
| NUMBER                         | ELNDS       | CODE   | TITLE  |             |                 | REASON   | DATE | DATE | AUTH   | TO DATE         | OBLIGATED   |              |
| T201701202                     |             | Z400   | CAPITAL CITY TRAIL, GATEWAY TO SOUTH STATE STREET              | CONVERT     | ADDED 10.31.19  | BIKE PED |      |      |        | 533,600.00      |             | 533,600.00   |
| 05-10007                       |             | Z400   | BIKE PEDESTRIAN  | PERROW,CONS | UPDATED 9.11.19 | BIKE PED |      |      |        | 438,677.83      |             | 438,677.83   |
| T201830001                     |             | Z400   | CAPITAL CITY TRAIL PHASE III, SOUTH STATE STREET TO US13       | CONS        | UPDATED 7.3.19  | BIKE PED |      |      |        | 16,000.00       |             | 16,000.00    |
| T201701202                     |             | Z400   | CAPITAL CITY TRAIL, GATEWAY TO SOUTH STATE STREET              | CONS        | ADDED 9.11.19   | BIKE PED |      |      |        | 266,400.00      |             | 266,400.00   |
| T202030001                     |             | Z400   | GEORGETOWN TO LEWES TRAIL, LOG CABIN ROAD TO FISHER ROAD       | CONVERT     | ADDED 8.22.19   | BIKE PED |      |      |        | 320,000.00      |             | 320,000.00   |
| T201330012                     |             | Z400   | JUNCTION AND BREAKWATER PATHWAY, REHOBOTH BEACH EXTENSION      | ROW         | ADDED 8.2.19    | BIKE PED |      |      |        | 125,000.00      |             | 125,000.00   |
| T201330012                     |             | Z400   | JUNCTION AND BREAKWATER PATHWAY, REHOBOTH BEACH EXTENSION      | CONS        | UPDATED 12.6.18 | BIKE PED |      |      |        | 1,100,000.00    |             | 1,100,000.00 |
| T201701301                     |             | Z400   | MILTON RAIL TO TRAIL, PHASE II                                 | CONVERT     | ADDED 1.31.19   | BIKE PED |      |      |        | 113,915.20      |             | 113,915.20   |
| T201630003                     |             | Z400   | OPEN END CONSTRUCTION CONTRACT, STATEWIDE TRAILS NCC FY17-FY19 | CONVERT     | UPDATED 9.3.19  | BIKE PED |      |      |        | 454,635.20      |             | 454,635.20   |
| T201630003                     |             | Z400   | SENATOR BIKEWAY  | CONVERT     | UPDATED 5.17.19 | BIKE PED |      |      |        | 538,401.93      |             | 538,401.93   |
| T201601201                     |             | Z400   | US 13 DOVER SIDEWALK IMPROVEMENTS                              | CONVERT     | UPDATED 1.2.19  | BIKE PED |      |      |        | 93,369.84       |             | 93,369.84    |
| T202004703                     |             | Z400   | FY20 TRANSPORTATION MANAGEMENT IMPROVEMENTS STATEWIDE PROJECTS | CONVERT     | UPDATED 7.22.19 | TMT      |      |      |        | 2,544,000.00    |             | 2,544,000.00 |
| T201504401                     |             | Z400   | ELKTON ROAD - MD LINE TO CASHO MILL RD                         | CONVERT     | UPDATED 6.15.18 |          |      |      |        | 5,000,000.00    |             | 5,000,000.00 |
| T202004807                     |             | Z400   | RIDESHARE FY20   | CONVERT     | UPDATED 11.1.19 |          |      |      |        | 360,000.00      |             | 360,000.00   |

|   | A                                     | B           | C      | D                                | E      | F                   | G            | H    | I    | J    | K | L            | M            |
|---|---------------------------------------|-------------|--------|----------------------------------|--------|---------------------|--------------|------|------|------|---|--------------|--------------|
| 1 | <b>FY 2020 FHWA OBLIGATIONAL PLAN</b> |             |        |                                  |        |                     |              |      |      |      |   |              |              |
| 2 | 11/4/2019                             |             |        |                                  |        |                     |              |      |      |      |   |              |              |
| 3 | STATE                                 | NON-FORMULA | APPORT | PROJECT                          |        |                     |              |      |      |      |   |              |              |
| 4 | PROJECT                               |             |        | PROJECT                          |        |                     |              |      |      |      |   | FUNDS        | FUNDS        |
| 5 | NUMBER                                | FUNDS       | CODE   | TITLE                            | REASON | STIP                | PROGRAM NAME | DATE | DATE | AUTH |   | OBLIGATED    | TO BE        |
| 6 | T201012001                            |             | Z331   | SR 299, SR 1 TO CATHERINE STREET | CONS   | SEMI ANNUAL # 22.19 |              |      |      |      |   | 7,194,130.82 | 7,194,130.82 |



**Federal Fiscal Year 2019 Obligation Plan  
State Fiscal Year 2020 Spend**

11/4/2019

**ITMS State Fiscal Year 2020 Spend**

| Description  | Federal Amount        | State Amount          | Total                 | STP/<br>CMAQ | Justification  |
|--|-----------------------|-----------------------|-----------------------|--------------|--|
| ITMS Field Devices /Support - Traffic Signal System                          | \$248,800.00          | \$62,200.00           | \$311,000.00          | CMAQ         | This project is a phase of a multi-year project to enhance DelDOT's traffic signals and the computerized signal system. This will continue to add more signals to the computerized system as well as enhance signal controllers to provide connected and automated vehicle technology support statewide. This support will also include enhancement to the Tactics signal software system.   |
| ITMS Field Devices /Support - Video Management System                        | \$260,800.00          | \$65,200.00           | \$326,000.00          | STP          | This is the enhancement of the video management system. This includes the addition of pole mounted cameras and portable trailer mounted cameras  |
| ITMS Field Devices /Support - Traffic Detection and Travel Times             | \$413,600.00          | \$103,400.00          | \$517,000.00          | CMAQ         | This is a phase of a multi-year project to design, construct and implement both fixed location and portable electronic traffic detection devices. The detection will be with microwave and bluetooth that can be controlled and monitored real-time from the TMC. The devices will provide the capability to gather travel information and vehicle data at key points in the State. This project is to build new and/or enhance the system statewide.  |
| ITMS Field Devices /Support - Electronic Detection System                    | \$108,800.00          | \$27,200.00           | \$136,000.00          | STP          | This is a continuation phase of a multi-year project to implement a statewide automated real-time vehicle detection system. The detection system will provide a variety of information to include vehicle volumes, classification, speed, travel time and congestion monitoring. The collected data will be used for real-time control, monitoring and information plus the data will be stored for planning purposes. This project phase provides for four fixed location solar powered microwave detection sites to be determined. |
| ITMS Field Devices /Support - Roadway Weather Information System - Hydrology | \$108,800.00          | \$27,200.00           | \$136,000.00          | STP          | This project is a planned multi-year project to expand the existing roadway weather information system flood monitoring sites. This phase is a continuation of work on expansion and upgrades to existing water level monitoring sites.  |
| ITMS Field Devices /Support - Incident Management Program                    | \$44,000.00           | \$11,000.00           | \$55,000.00           | STP          | This project provides for aerial monitoring services by the Civil Air Patrol (CAP). The CAP provides daily flights morning and evening peak periods and provide information to the TMC on the states of the transportation system to include the impact of incidents such as accidents and disabled vehicles.  |
| <b>TOTAL FY19 PROGRAM</b>  | <b>\$4,720,000.00</b> | <b>\$1,180,000.00</b> | <b>\$5,900,000.00</b> |              |  |

|                            |                       |            |                       |
|----------------------------|-----------------------|------------|-----------------------|
| STP                        | \$2,176,000.00        | 80%        | \$2,720,000.00        |
| CMAQ                       | \$2,544,000.00        | 80%        | \$3,180,000.00        |
| <b>TOTAL FY 20 PROGRAM</b> | <b>\$4,720,000.00</b> | <b>80%</b> | <b>\$5,900,000.00</b> |

**Federal Fiscal Year 2019 Obligation Plan  
State Fiscal Year 2020 Spend**

11/4/2019

**ITMS State Fiscal Year 2020 Spend**

| Description                   | Federal Amount | State Amount | Total          | STP/<br>CMAQ | Justification  |
|-------------------------------|----------------|--------------|----------------|--------------|--|
| ITMS Planning and Engineering | \$1,327,200.00 | \$331,800.00 | \$1,659,000.00 | STP          | Planning and Engineering consultant support to provide traffic signal software on-call support, on-call ITS planning and engineering, University of Delaware ITS Lab support, transportation homeland security and emergency management planning support, FCC required WTMC radio engineering, Transportation Management Team (TMT) program support, TMC Technician training, and ITMS related software development and network support.   |
| ITMS Planning and Engineering | \$653,600.00   | \$163,400.00 | \$817,000.00   | CMAQ         | Planning and Engineering consultant services to provide traffic signal timing analysis; ITMS systems design; development of ITMS systems related specifications; ITMS telecommunications system design to support statewide expansion of computerized traffic signal system, transportation system monitoring devices, and travel information systems. Work under this project includes the review and retiming of signalized corridors statewide, design of microwave vehicle detection systems, the continuation of design to computerized signal system sampling detection sites statewide, and design weather stations. Work will also include the design of DSRC and 4.9 GHz sites to support connected vehicles. |
| ITMS/TMC Systems              | \$326,400.00   | \$81,600.00  | \$408,000.00   | STP          | Provides for purchase of ITMS related Transportation Management Center (TMC) computers and networking equipment, ITMS related software as required to support the continued expansion of the statewide ITMS system, including enhancement of the computerized signal system. Includes central office related software to support the continued implementation of connected and automated vehicles.   |
| ITMS Telecommunications       | \$1,228,000.00 | \$307,000.00 | \$1,535,000.00 | CMAQ         | This project is a phase of a multi-year project to implement a fiber optic and wireless based statewide telecommunication system to support connection of facilities and transportation management control, monitoring and information field devices; to include traffic signals, electronic signing, electronic detection, etc. This phase includes the installation/upgrade of our fiber optics networks. Continued implementation of 4.9 GHz statewide broadband wireless telecommunication systems to support expansion of the ITMS system to include connected and automated vehicles.  |

TAP Obligation Plan

| TAP Project Name                        | Project Description   | Project Number    | Phase         | Current Total Project Estimated Cost | FY 2020                       |                     |                       |
|---|---|-------------------|---------------|--------------------------------------|-------------------------------|---------------------|-----------------------|
|   |   |                   |               |                                      | Anticipated Obligation        |                     |                       |
|   |   |                   |               |                                      | Non Participating State Funds | Participating State | Participating Federal |
| <b>Brandywine South Ped. Imp. (T.P)</b> | This project is located within the City of Wilmington on the south side of Brandywine Creek in the vicinity of Water Division's raceway. Scope of the work includes pedestrian and trail accommodations for various crossings and linking sidewalks facilities.                     | <b>T201620006</b> | <b>CON</b>    | \$600,000.00                         | \$ -                          | \$ 120,000.00       | \$ 480,000.00         |
| <b>Southbridge Enhance. II (M.H.)</b>   | Project is in the City of Wilmington that will include pedestrian upgrades extend south of A Street along Heald Street and New Castle Avenue, particularly at the intersections of B and C Streets; and along the eastern side of New Castle Avenue, between A Street and B Street. | <b>T201620011</b> | <b>PE,CON</b> | \$ 1,002,000.00                      | \$ -                          | \$ 174,400.00       | \$ 697,600.00         |
| <b>9th Street Enhancements (C.K.)</b>   | Streetscape improvements along 9th Street, between Tatnall and Orange Streets to include construction of sidewalks, curbs, lighting and other aesthetic improvements; to enhance the area for pedestrians and bicyclists.   | <b>T201620013</b> | <b>CON</b>    | \$ 1,002,000.00                      |                               | \$ 175,000.00       | \$ 700,000.00         |

## TAP and SRTS Status – Best Known information as of November 5, 2019

| Project  | Project Manager                                 | Description  | Status  |
|--|---|--|---|
| <b>TAP PROJECTS</b>                                |   |  |   |
| Wilmington Bike Improvements                       | T201320001<br>Jeff Niezgoda                     | This project involves installing Sharrow lane markings, bicycle awareness signage and bicycle racks throughout the City base on the recommendations of "The City of Wilmington Bicycle Plan"   | Effort is on-going  |
| 11th Street Improvements                           | T201220003<br>Todd Pryor                        | This project involves repair / replacing sidewalk, adding ADA compliant ramps, crosswalks, lighting and tree removal / planting along 11 St. from N. DuPont St. to N. Clayton St., N. Clayton St. from W. 11th St. to Pennsylvania Ave. in Wilmington                          | COMPLETE  |
| Concord Avenue Streetscape Improvements Phase II   | T201620002<br>Chip Kneavel                      | This project proposes streetscape improvements along the 500,600 and 700 blocks of Concord Avenue within the City of Wilmington specifically between Baynard Blvd and Madison Street. work to include sidewalk repair, curb and curb ramps, improved signage and landscaping.  | UNDER CONSTRUCTION  |
| Brandywine South Pedestrian and Trail Improvements | T201620006<br>Todd Pryor                        | This project is located within the City of Wilmington on the south side of Brandywine Creek in the vicinity of Water Division's raceway. Scope of the work includes pedestrian and trail accommodations for various crossings and linking sidewalks facilities.                | PS&E Nov/Dec 2019   |
| City of Wilmington Pedestrian Safety Improvements  | T201620007<br>TBD                               | This project is located within the City of Wilmington in the downtown area. Scope of the work includes sidewalk and curb replacement, crosswalk improvements, pedestrian signals and lighting.   | Locations to be added to pave and rehab program; CANCELED |
| Old Brandywine Village Streetscape Improvements    | T201620010<br>Chip Kneavel                      | This project is located within the City of Wilmington on Concord Avenue from Madison Street to Market Street, across Market Street and continuing down Vandever Avenue to Jessup Street. work to include general streetscape improvements                                      | UNDER CONSTRUCTION  |
| Southbridge Streetscape Improvements Phase II      | T201620011<br>Mike Hahn                         | Project is in the City of Wilmington that will include pedestrian upgrades extend south of A Street along Heald Street and New Castle Avenue to Townsend Street. Signal at B Street and Wayfinding entrance sign at C Street. Decorative street lighting in various locations. | PS&E December 2019  |
| 9th Street, Phase II                               | T201620013<br>Chip Kneavel;<br>Shehnaz Chaudhri | This project is on West 9th street from Orange St. to Tatnall St. Improvements include sidewalk and curb replacement, ADA compliance, installation of decorative lighting and street tree replacement  | PS&E January 2020   |

**TAP and SRTS Status – Best Known information as of November 5, 2019**

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|---|-------------------------------|---|--|
| Walnut Street Pedestrian and Streetscape Imp. | T20160014<br>Pryor; Chaudhri  | This project is along Walnut St. between 13th and 16th Streets and will improve pedestrian safety for ADA compliance, add landscaping and ped lighting. | PS&E done;<br>RE-BID of contract is needed |
| White Clay Creek Bridge                       | T201620001<br>Agljo; Niezgoda | New separated pedestrian bridge crossing over WCC adjacent to Papermill Road.   | Getting Ready to PS & E December           |
| Town of Townsend, Phase II                    | T201620008<br>Todd Pryor      | Steetscapes in Townsend per continuation of original scope.   | CONSTRUCTION COMPLETE                      |
| H. Fletcher Brown Park                        | T201620017<br>Todd Pryor      |   | ON HOLD                                    |
| Saint Georges Streetscape, Phase III          | T201620003<br>Todd Pryor      | Streetscapes Phased - sidewalks and ADA compliance  |  |
| <b>Safe Routes to School Projects</b>         |                               |   |  |
| Downes Elementary                             | T201769008<br>Chip Kneavel    | Bike Ped Improvements along Casho Mill Rd   | Preliminary plans Dec. '19                 |
| Wilmington Montessori                         | T201769011<br>Chip Kneavel    | Pedestrian Improvements at Harvey and Sconset   | Working on executing design agreement      |
| Eisenberg                                     | T202069004<br>Chip Kneavel    | Pedestrian Improvements around Eisenberg Elementary   | Design NTP Nov. '19                        |
| McCullough                                    | T202069008<br>Chip Kneavel    | Pedestrian improvements around McCullough Middle  | Design NTP Nov. '19                        |
| Bayard Middle                                 | Chip Kneavel                  | Concept   | Concept                                    |
| Claymont Phase II                             | T201769005<br>Chip Kneavel    | Pedestrian Improvement on Green and Commonwealth Streets  | Final Plans Nov. '19                       |