



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

July 6, 2021

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

Dear Ms. Zegeye:

Per the Delaware Department of Transportation’s Fiscal Year 2021 - 2024 STIP, I am recommending programming Federal funds for Fiscal Year 2022 projects as follows:

Surface Transportation Block Grant Program (STBG) (Population over 200,000) (Z230, Z23E)

<u>Project</u>	<u>Amount</u>
Denny Road & Lexington Parkway Intersection Improvements	\$880,000
SR72, McCoy Rd to SR 71	\$4,600,000
SR 72, Adv. Utility Relocation from McCoy Road	\$656,800
Statewide Rail Crossing Safety	\$1,049,348
Statewide Paving & Rehabilitation	\$3,231,143
Statewide Bridge Painting	\$944,222
Bridge Preservation (BR 1-249; 1-684; 1-635)	\$1,664,000
Total:	\$13,025,513

FTA Urbanized Area (5307)

<u>Project</u>	<u>Amount</u>
Preventive Maintenance - New Castle County	\$5,200,000
Claymont Station	\$4,345,588
NCC Transit Center	\$1,815,082
Paratransit Replacement Buses NCC FY22	\$2,850,560
Beech Street Maintenance Building	\$2,400,000
Total	\$16,611,230

Congestion Mitigation/Air Quality (CMAQ) (Z400)

<u>Project</u>	<u>Amount</u>
Statewide Rideshare – Transportation Management Improvements	\$384,000
Statewide Bicycle and Pedestrian Improvements	\$3,984,000
Statewide Transportation Management Improvements	\$2,176,000
Total	\$6,544,000





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FTA Elderly and Persons with Disabilities (5310)

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

Transportation Alternatives Program (Z300, Z301, Z302, Z303, 5307)

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

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

 Amanda Giuttari
 Sr. Fiscal Management Analyst, Finance

- cc: Doug Atkin, Division Administrator, FHWA
 Theresa Garcia Crews, Regional Administrator, FTA
 Nicole Majeski, Secretary
 Shanté Hastings, Deputy Secretary
 Lanie Thornton, Director, Finance
 Marc Cote, Director, Planning
 John T. Sisson, Chief Executive Officer, Delaware Transit Corporation
 Art Jenkins, Assistant Director, Finance



Statewide Bike/Ped Program

Construction Projects

1. **Miller Road Streetscape Improvements, T201901101 (New Castle County)**
 - a. Construction scheduled to be completed by September 2021
2. **Georgetown to Lewes Pathway, Phase VIII**
 - a. Construction scheduled to be completed by October 2021

Final Design Projects

3. **Georgetown to Lewes Trail, Cool Spring Road to Fisher Road T202030001 (Sussex County)**
 - a. Design underway
 - b. PS&E scheduled for August 2021
4. **Double Bridges Road Multi-Use Trail T201769009 (Sussex County)**
 - a. PS&E scheduled for November 2022.
5. **Munchy Branch Trail T201801701 (Sussex County)**
 - a. Design underway
 - b. PS&E October 2021; Construction spring 2022
6. **Capital City Trail, S. State Street to US13 T201830001 (Kent County)**
 - a. Design underway
 - b. PS&E on hold pending coordination with Camden bypass project.
7. **Brenford Road Sidewalk Improvements (Kent County)**
 - a. Planning Study to begin August 2021
8. **Savannah Road Sidewalks (Sussex County)**
 - a. Project scheduled to be advertised July 2021.
9. **Augustine Cut-off Pathway (NCC)**
 - a. Planning study to begin July 2021.
10. **School Lane bike/ped facility (NCC)**
 - a. Design scheduled to begin August 2021

TAP and SRTS Status – Best Known information as of July 10, 2021; for FY 22

Project	Project Manager	Description	Status
TAP PROJECTS			
Old Brandywine Village Streetscape Improvements, Phase III	T202120005 (Planning Concept number only) Chip Kneavel	New TAP project effort needing Concept Planning layout and Estimates. This project continues Phase II streetscape improvements which is at intersection of Market Street and Vandever. Improvement limits are uncertain (needs COW confirmation) about continuing north along N. Market Street, or continuing down Vandever Avenue to Jessup Street.	Project Kick off needed. Three new TAP's kick off being scheduled for summer.
Lovering Avenue & N. Dupont Street Triangle Reconfiguration	T202120005 (Planning Concept number only) Chip Kneavel	New TAP application indicates, <i>"the project would eliminate the triangle through a design of a "T" intersection to simplify traffic and pedestrian movements, providing channelization and improved control over vehicular, pedestrian, and bicycling movements. Sidewalks, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting, signalization, and signage can be evaluated for the design inclusion, along with the replacement of the guardrail."</i>	Project Kick off needed. This project may be limited or would have to be phased to complete or fund everything suggested. All efforts TBD.
Southbridge Streetscapes, Phase III	T202120004 Planning Concept number only) Mike Hahn/Kelly Valencik	New TAP application indicates <i>"continuation of streetscape work that includes traffic calming and pedestrian/bike improvements recommended in the 2008 Southbridge Circulation Study, to include sidewalk replacement, curb bump-outs, decorative pedestrian-scale lighting, and signage along New Castle Avenue and Heald Street, beginning at the limits of Phase II south to C and D Streets. Also included are planned bicycle and pedestrian projects (including bicycle marking and sidewalk reconstruction) around Hicks Park and the Neighborhood House which were developed under the Safe Routes to School Program but abandoned when the Elbert Palmer Elementary School was closed."</i>	Project Kick off needed. This project may be limited or would have to be phased to complete or fund everything suggested. All efforts TBD. New Castle Ave and B Street along with Bradford St is likely the TAP focus?
Old Brandywine Village Streetscapes, Phase II	T202120003 Chip Kneavel	Continuation of Phase I along Concord Ave. from W 22 nd Street across N. Market Street onto Vandever Ave.	PE engineering is set up; needing sponsor match and to sign agreement.
Southbridge Streetscape Improvements Phase II	T201620011 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.	ON HOLD; PS & E likely Spring 2022; project delayed due to city's overlapping project for storm drain/sewer line separation which would impact the TAP if undertaken first.

TAP and SRTS Status – Best Known information as of July 10, 2021; for FY 22

Brandywine South Pedestrian and Trail Improvements	T201620006 Todd Pryor	This project is located in Wilmington on the south side of Brandywine Creek in the vicinity of Water Division's raceway. Scope of work involves removal and replacement of the sidewalks, curb ramps in compliance with ADA, pedestrian connection upgrades, the installation of an upgraded traffic signal, new signage, and landscape improvements.	CONSTRUCTION nearly complete with signing needed. Delays were paving related and I-95 construction interference.
Walnut Street Pedestrian and Streetscape Imp.	T20160014 Todd Pryor	This project improves Walnut Street and 13 th Street including signal upgrades, new sidewalks, curb ramps in compliance with ADA, lighting, and landscape improvements along Walnut Street from 13 th Street to 14 th Street and part of Kennebec Street from Walnut Street to Wilson Street	CONSTRUCTION nearly complete; minor items still to be addressed including final landscaping.
Miller Road Streetscape (Please note this is not a specific TAP project just so you know)	T201901101 Jeff Niezgoda	32 nd Street to Lea Boulevard: Removal and replacement of sidewalk and curbs in compliance with ADA, structural retaining wall, drainage improvements, milling and repaving, new striping and signage, and landscaping.	CONSTRUCTION nearly complete with minor items including striping needs.
White Clay Creek Bridge	T201620001 Agljo; Niezgoda	New separated pedestrian bridge crossing over WCC adjacent to Papermill Road. Richard E. Pierson Construction Company is contractor Bid award was \$1,039,981.25.	UNDER CONSTRUCTION Fall completion expected.
First State National Historical Park Pedestrian Safety Project	T202166101 Kneavel/Valencik/ Hahn (not a Txx200xx project number but FLAP is under TAP)	Pedestrian Safety Project with the Federal Lands Access Program (FLAP) grant (which is under TAP) to improve bike/pedestrian/equine road crossings for the NHP trail system. This is mostly covering Beaver Valley Road and Ramsey Roads. TAP participation and sponsor march effort are <u>state funded</u> . Efforts via DelDOT Traffic open end for better signing and crosswalks markings along with shoulder improvement. Several locations are also co-dependent on NPS re-directing existing trails at a better angle and providing any advanced internal trail warnings for public road crossings.	Funding set up and kick off call with traffic consultant and DelDOT Traffic personnel. Need confirmation from NPS officials.
Bizarre/Anderson Dr., Morehouse Dr., & Hillview Ave, Route 9	T201820006 (Planning Concept number only) Mike Hahn/Kelly Valencik	Sidewalk improvements along selected roads (Bizarre, Morehouse, Hillview) along route 9 south of Wilmington. Components of Rt 9 Land Use & Transportation Master Plan. Lambson Lane sidewalks on south end recently added.	Concept planning package completed with revised estimate. Entering PE design; need concurrence from sponsor and sponsor match. NCC tentatively agreed that they can max out the sponsor match, so we added more locations.

TAP and SRTS Status – Best Known information as of July 10, 2021; for FY 22

H. Fletcher Brown Park	T201620017 Todd Pryor	Awaiting near completion of I-95 to start back up due to proposed changes in traffic and travel lanes with the intent of this project.	ON HOLD
Saint Georges Streetscape, Phase III	T201620003 Todd Pryor	Streetscapes Phased: sidewalks and ADA compliance on Broad Street and Church Street. Mumford & Miller is contractor. Bid award was \$1,074,536.95.	Pre-construction meeting in mid-July with work schedules to be submitted. Construction likely to begin August/Sept.
Safe Routes to School Projects			
Downes Elementary	T201769008 Chip Kneavel	Ped & bike Improvements along Casho Mill Rd.	Advertised; Construction likely to begin in Sept.
Claymont Phase II	T201769005 Chip Kneavel	Pedestrian Improvement on Green and Commonwealth Streets.	Advertised; Construction likely to begin in Sept.
Eisenberg Elementary	T202069004 Chip Kneavel	Pedestrian Improvements around Eisenberg Elementary.	Final Plan with PS & E for August/Sept.
McCullough	T202069008 Chip Kneavel	Pedestrian improvements around McCullough Middle School.	Final Plan with PS & E for August/Sept.
Wilmington Montessori	T201769011 Chip Kneavel	Pedestrian & bike improvements at Harvey and Sconset Roads.	Final Plan with PS & E for August/Sept.
Bayard Middle	Needs Contract Number Chip Kneavel	Concept – signing and striping likely; gathering needs.	Concept Planning: public work likely this fall when school starts.
Project Closures			
Wilmington Bike Improvements	T201320001 Jeff Niezgoda/Paul Moser	This project did involve installing Sharrow lane markings, bicycle awareness signage and bicycle racks throughout the City base on the recommendations of "The City of Wilmington Bicycle Plan" Payment (under reimbursement) offered \$53,107.92. Released \$125,252.80 of encumbered.	Project terminated 1/21/21. Inactivity with FHWA query for closure.

**Federal Fiscal Year 2021 Obligation Plan
State Fiscal Year 2022 Spend**

7/19/2021

ITMS State Fiscal Year 2022 Spend

Description	Federal Amount	State Amount	Total	STP/ CMAQ	Justification
ITMS Planning and Engineering	\$1,148,000.00	\$287,000.00	\$1,435,000.00	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 dispatch support, TMC Technician training, and ITMS related software development and network support.
ITMS Planning and Engineering	\$580,800.00	\$145,200.00	\$726,000.00	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 and video based detection systems, the continuation of design to computerized signal system sampling detection sites statewide, and design of roadway weather stations. Work will also include the design of DSRC, CV2X, 4.9 GHz and cell based sites to support connected automated
ITMS/TMC Systems	\$432,000.00	\$108,000.00	\$540,000.00	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	\$654,400.00	\$163,600.00	\$818,000.00	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, travel information systems, and etc. This phase includes the installation/upgrade of ITMS fiber optics and wireless networks. Continued implementation of 4.9 GHz and 900 MHz statewide broadband wireless telecommunication systems to support expansion of the ITMS as defined in the 2017 Integrated Transportation Management System (ITMS) Strategic plan.
ITMS Field Devices /Support - Traffic Signal System	\$581,600.00	\$145,400.00	\$727,000.00	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 AI-ITMS predictive and adaptive integration. This support will also include enhancement to the Tactics signal software system to integrate artificial intelligence and machine learning based technologies. Initial implementation of
ITMS Field Devices /Support - Video Management System	\$304,000.00	\$76,000.00	\$380,000.00	STP	This is the enhancement of the video management system. This includes the addition of fixed location, portable trailer, and vehicle mounted cameras statewide. The project includes the planning and implementation of video based turning movement count and incident detection technology.

**Federal Fiscal Year 2021 Obligation Plan
State Fiscal Year 2022 Spend**

7/19/2021

ITMS State Fiscal Year 2022 Spend

ITMS Field Devices /Support - Traffic Detection and Travel Times	\$359,200.00	\$89,800.00	\$449,000.00	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, bluetooth and video based technologies 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 statewide.
ITMS Field Devices /Support - Electronic Detection System	\$344,000.00	\$86,000.00	\$430,000.00	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
ITMS Field Devices /Support - Roadway Weather Information System - Hydrology	\$200,000.00	\$50,000.00	\$250,000.00	STP	This project is a planned multi-year project to expand the existing roadway weather information system (RWIS), mobile automated roadway information system (MARWIS), and flood monitoring system.
ITMS Field Devices /Support - Incident Management Program	\$116,000.00	\$29,000.00	\$145,000.00	STP	This project provides for Unmanned Aerial Systems (UAS) related software, materials and equipment to support DeIDOT's transportation management related UAS (Drone) program. The UAS program provides enhanced planning, survey, traffic study and transportation management response and operation capabilities. This project also continues to support aerial monitoring services provided by the Civil Air Patrol (CAP). The CAP provides daily flights morning and evening peak periods and provide information to the TMC on the status of the transportation system to include the impact of incidents such as accidents and disabled vehicles. Replacement of UAS support vehicle.
TOTAL FY22 PROGRAM	\$4,720,000.00	\$1,180,000.00	\$5,900,000.00		

STP	\$2,544,000.00	80%	\$3,180,000.00
CMAQ	\$2,176,000.00	80%	\$2,720,000.00
TOTAL FY 22 PROGRAM	\$4,720,000.00	80%	\$5,900,000.00