



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

SHAILEN P. BHATT
 SECRETARY

August 31, 2011

Ms. Tigist Zegeye
 Executive Director
 WILMAPCO
 850 Library Avenue, Suite 100
 Newark, Delaware 19711

Dear Ms. Zegeye:

Pursuant to the adoption of Wilmington Area Planning Council's (WILMAPCO) Fiscal Year 2012 - 2015 TIP and the Delaware Department of Transportation's Fiscal Year 2012 - 2015 STIP, I am suggesting programming federal funds for Fiscal Year 2012 projects as follows:

Urban Surface Transportation Program (STP) (Over 200,000) (L230, L23E, L23R)

<u>Project</u>	<u>Amount</u>
I-95 Maryland Line to I-295 Program SR 1/I-95 Interchange	\$4,500,000.00
Mill Creek and Stoney Batter Road	\$480,000.00
Paving & Rehabilitation	\$400,000.00
SR 2, South Union Street from Railroad Bridge to Sycamore Street, Wilmington	\$80,000.00
SR141 and Commons Boulevard Intersection Improvements	\$518,000.00
Washington Street, New Castle	\$5,620,480.00
Total:	\$11,598,480.00

FTA Urbanized Area (5307)

<u>Project</u>	
Preventative Maintenance FY 12	\$2,579,000.00
Facility Access Upgrade	\$60,000.00
Facility Fencing Upgrade	\$800,000.00
Paratranit Replacement/Refurbishment New Castle County	\$1,954,900.00
Paratransit Expansion New Castle County	\$690,400.00
Wilmington Transit Hub	\$6,880,000.00
Transportation Enhancements Wilmington Urbanized Area	\$112,400.00
Total	\$13,076,700.00



Ms. Tigist Zegeye
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Congestion Mitigation/Air Quality (CMAQ) (L400, L40E, L40R)

<u>Project</u>	<u>Amount</u>
Mid County DMV Facility	\$2,000,000.00
Rideshare/Trip Generation – Transportation Management Improvements	\$720,000.00
Transportation Management Improvements	\$2,240,000.00
NCC Greenway, Industrial Track - Phase III	\$480,000.00
Total	\$5,440,000.00

FTA Elderly and Persons with Disabilities (5310)

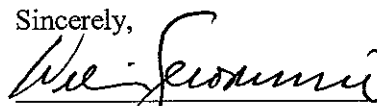
<u>Project</u>	<u>Amount</u>
Statewide Transit Vehicle Replacement	\$470,451.00
Total	\$470,451.00

Transportation Enhancement Program (L220, L22E, L22R)

<u>Project</u>	<u>Amount</u>
Transportation Enhancements (FHWA)	\$3,400,000.00
Total	\$3,400,000.00

We respectfully request your approval by way of signature on this document. If you have any questions, please contact me at (302) 760-2090.

APPROVED: _____
Tigist Zegeye
Executive Director

Sincerely,

for Beverly Swiger
Acting Director, Finance

BS:BG:bg
cc: Shailen P. Bhatt, Secretary
Natalie Barnhart, Chief Engineer
Hassan Raza, Division Administrator, FHWA
Letitia A. Thompson, Regional Administrator, FTA
Michael Strange, Acting Director, Planning
Earle Timpson, Assistant Director, Finance
Kimberly Jefferson, Sr. FMA, Finance
William Geronimo, Budget Program Analyst, Finance

Federal Fiscal Year 2012 Obligation Plan						
State Fiscal Year 2012 Spend						
Description	Federal Amount	State Amount	Total	STP/CMAQ	Quantitative	Justification
DelTrac Planning and Engineering	\$1,088	\$272	\$1,360	STP		Planning and Engineering consultant support to provide traffic signal software on call support, on-call ITS support, 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, and TMC Technician training.
DelTrac Planning and Engineering	\$1,548	\$387	\$1,935	CMAQ	Qualitative	DelTrac/ITMS systems design, development of DelTrac/ITMS systems related specifications, DelTrac telecommunications system design to support traffic signal systems, fiber telecommunications system design and inspection support, transportation system monitoring devices, travel information system enhancements to include 511/Travel Time, transit schedule adherence system enhancement design and implementation. DelTrac/ITMS software development, intergration of CMS into Transportation Management program, University of Delaware/DelDOT (DESTEP) signal timing program, and signal system retiming of five New Castle County corridors.
DelTrac/TMC Systems	\$68	\$17	\$85	CMAQ	Qualitative	Provides for purchase of DelTrac related Transportation Management Center (TMC) computers and networking equipment, DelTrac related software.
DelTrac/TMC Systems	\$449	\$112	\$561	STP		Provides for purchase of DelTrac related Transportation Management Center (TMC) computers and networking equipment, DelTrac related software, and Mobile TMC equipment. Enhancement of TMC graphics/video display system.
DelTrac Telecommunications	\$1,712	\$428	\$2,140	CMAQ	Qualitative	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 and etc. This phase includes the installation/upgrade of one mile of fiber optics, associated network electronics and facilities to connect DelTrac devices include phase one of implementation of 700 MHz statewide wireless data system, phase one of enhancement of statewide broadband microwave system, and phase one of implementation of 4.9GHz statewide microwave system.
DelTrac Field Devices /Support - Traffic Signal System	\$80	\$20	\$100	CMAQ	Qualitative	This is a phase of a multi-year project to add all the DelDOT maintained traffic signals to the computerized signal system. This phase will provide for the replacement or upgrade of 10 traffic signal cabinets and controllers statewide.
DelTrac Field Devices /Support - Video Monitoring System	\$144	\$36	\$180	CMAQ	Qualitative	This is a phase of a multi-year project to implement a closed circuit video monitoring system. The video monitoring system includes both fixed location sites and trailer mounted cameras that provide live video to the 24 hour Transportation Management Center (TMC). The video feeds are fed from the TMC to multiple web sites, kiosks and to other response agencies, including police and fire. This project phase provides for the purchase of one portable video monitoring trailer and the design and construction of two fixed camera

DelTrac Field Devices /Support - Dynamic Message Sign System	\$40	\$10	\$50	CMAQ	Qualitative	This is a phase of a multi-year project to design, construct and implement both fixed location and portable electronic dynamic message signs (DMS). The DMS are controlled and monitored real-time from the TMC. The DMS provide the capability to display travel information prior to key decision points. This project phase provides for the purchase of two remote controlled portable CMS trailers.
DelTrac Field Devices /Support - Electronic Detection System -Signal Sampling Detectors	\$124	\$31	\$155	CMAQ	Qualitative	This is a 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 provides for the installation of computerized signal system sampling detectors at thirty intersections.
DelTrac Field Devices /Support - Electronic Detection System - Microwave/Bluetooth Detection	\$80	\$20	\$100	CMAQ	Qualitative	This is a 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 design and implementation of a statewide bluetooth based detection system to supplement existing detection systems with travel time information
DelTrac Field Devices /Support - Traveler Information System	\$360	\$90	\$450	CMAQ	Qualitative	This project is a planned multi-year project to expand the existing WTMC 1380 AM traveler information radio system to provide statewide coverage. This phase of the project will construct and implement ten new WTMC 1380 AM repeater sites and the construction and implementation of an auxiliary 1380 AM primary transmitter site within state right of way at I95 and DE141. The WTMC 1380 AM radio system system provides 24 hour real-time multimodal travel, incident and emergency information. WTMC 1380 AM is a component of DelDOT's transportation management and congestion mitigation program.
DelTrac Field Devices /Support -Roadway Weather Information System	\$84	\$21	\$105	CMAQ	Qualitative	This project is to install three additional roadway weather information sites (RWIS). The installation of these sites will improve statewide coverage. Weather related information from the sites improve DelDOT's response to weather events that impact the transportation system and provides improved travel information.
DelTrac Field Devices /Support - Incident Management Equipment	\$3	\$1	\$4	STP		This is to purchase incident management equipment to support response and management of incidents or events that impact the state's transportation system. This includes the purchase of traffic cones, barricades, barrels and signs.
DelTrac Field Devices /Support - Incident Management Program - CAP	\$60	\$15	\$75	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.
TOTAL FY12 PROGRAM	\$5,840	\$1,460	\$7,300			

**Delaware Department of Transportation
Transportation Enhancements Program
Project Authorization**

	A	C	D	E	F	G	H	I	J	K
1	State Fiscal Years 2012-2013 Projected Obligation, Construction - Tier 1									
2	Project	Total Project Cost	Phase	FY 2012			Phase	FY 2013		
3				State Estimate	Federal Estimate	Match		State Estimate	Federal Estimate	Match
4	Transportation Enhancement Authorization			\$1,250,000	\$3,400,000			\$850,000	\$3,400,000	
5	Bayard Square Enhancements	\$406,000	n/a	\$0	\$0	\$0	construction	\$41,200	\$324,800	\$40,000
7	Middletown, Catherine Street Improvements	\$640,000	const	\$68,000	\$512,000	\$60,000	n/a	\$0	\$0	\$0
9	Rodney Square Beautification	\$800,000	const	\$80,000	\$640,000	\$80,000	n/a	\$0	\$0	\$0
10	Shipleigh Street Streetscape	\$800,000	n/a	\$0	\$0	\$0	construction	\$80,000	\$640,000	\$80,000
12	South Park Drive Lighting Improvements	\$300,000	const	\$35,000	\$240,000	\$25,000	n/a	\$0	\$0	\$0
13	Greenhill Avenue Landscaping Improvements	\$400,000	const	\$50,000	\$320,000	\$30,000	n/a	\$0	\$0	\$0
14	9th Street Enhancements, Wilmington	\$620,000	const	\$69,000	\$496,000	\$55,000	n/a	\$0	\$0	\$0
15	Carpenter Street Enhancements	\$400,000	n/a	\$0	\$0	\$0	construction	\$50,000	\$320,000	\$30,000
16	"The Green" Sidewalk Improvements, NCC	\$125,000	const	\$19,000	\$100,000	\$6,000	n/a	\$0	\$0	\$0
17	Southbridge Streetscape Improvements	\$810,000	n/a	\$0	\$0	\$0	construction	\$82,000	\$648,000	\$80,000
18	6th Street Enhancements	\$350,000	n/a	\$0	\$0	\$0	construction	\$25,000	\$280,000	\$45,000
19	Paper Mill Road Pedestrian Improvements	\$560,000	n/a	\$0	\$0	\$0	construction	\$52,000	\$448,000	\$60,000
20	Concord Avenue Streetscape Improvements	\$310,000	n/a	\$0	\$0	\$0	construction	\$32,000	\$248,000	\$30,000
21	Windsor Street Improvements	\$560,000	const	\$72,000	\$448,000	\$40,000	n/a	\$0	\$0	\$0
23	New Castle County Subtotal	\$7,081,000		\$393,000	\$2,756,000	\$296,000		\$362,200	\$2,908,800	\$365,000
24	Subtotal	\$16,432,000		\$642,000	\$4,572,000	\$501,000		\$362,200	\$2,908,800	\$365,000
25										
26	Available	-		\$608,000	(\$1,172,000)	-		\$487,800	\$491,200	-
27										
28	Fiscal Years 2012-2013 Projected Obligation, Project Development, Design - Tier 2									
29	Delaware Ave Streetscape Improvements	\$1,000,000	design	\$46,000	\$184,000	\$0	construction	\$90,000	\$616,000	\$64,000
30	Town of Elsmere Sidewalks (SR100)	\$770,000	design	\$54,000	\$216,000	\$0	construction	\$40,000	\$400,000	\$60,000
33	Town of Newport Streetscape Phase II	\$1,000,000	design	\$28,000	\$112,000	\$0	construction	\$0	\$688,000	\$172,000
34	Greenhill Avenue Streetscape Improvements	\$999,080	design	\$46,200	\$184,800	\$0	construction	\$0	\$614,480	\$153,600
36	Miller Road Streetscape Improvements	\$668,000	design	\$40,800	\$167,200	\$0	construction	\$42,000	\$368,000	\$50,000
37	Valley Road Pedestrian Improvements	\$1,058,000	design	\$45,600	\$182,400	\$0	construction	\$80,000	\$664,000	\$86,000
38	Old Lancaster Pike Pedestrian Bridges	\$600,000	design	\$20,000	\$80,000	\$0	construction	\$50,000	\$400,000	\$50,000
39	Penn Farm Recreational Trail	\$820,000	design	\$44,000	\$176,000	\$0	construction	\$60,000	\$480,000	\$60,000
40	New Castle County Subtotal	\$6,915,080		\$324,600	\$1,302,400	\$0		\$362,000	\$4,230,480	\$695,600
41	Subtotal	\$16,587,180		\$428,600	\$1,718,400	\$0		\$414,000	\$6,020,180	\$1,090,920
42										
43	Available	-		\$179,400	(\$2,890,400)	-		\$73,800	(\$5,528,980)	-
44										
45	Fiscal Years 2012-2013 Projected Obligation, New Applications, Concept Planning - Tier 3									
46	Midtown Brandywine Streetscape Improvements	\$20,000	concept	\$4,000	\$16,000	\$0	n/a	\$0	\$0	\$0
48	Rodney Square Phase II	\$20,000	concept	\$4,000	\$16,000	\$0	n/a	\$0	\$0	\$0
49	St. Georges Streetscape Phase II	\$20,000	concept	\$4,000	\$16,000	\$0	n/a	\$0	\$0	\$0
55	Newark Train Station Historical Improvements	\$20,000	concept	\$4,000	\$16,000	\$0	n/a	\$0	\$0	\$0
56	Cool Spring Streetscape Improvements	\$20,000	concept	\$4,000	\$16,000	\$0	n/a	\$0	\$0	\$0
58	New Castle County Subtotal	\$100,000		\$20,000	\$80,000	\$0		\$0	\$0	\$0
59	Subtotal	\$340,000		\$48,000	\$192,000	\$0		\$0	\$0	\$0
60										
61	Available	-		\$131,400	(\$3,082,400)	-		\$73,800	(\$5,528,980)	-

**Delaware Department of Transportation
Transportation Enhancements Program**

Fiscal Years 2012-2013 Transportation Enhancement Plan

Project	Description
Construction	
Bayard Square Enhancements	This project is located in the City of Wilmington along South Lincoln Street from Sycamore Street to Linden Street. The goal of the project is to provide sidewalk and curb improvements, ADA standard upgrades to existing curb ramps, pedestrian lighting, traffic calming and landscaping.
Middletown, Catherine Street Improvements	This project includes sidewalk improvements on North Catherine Street in the Town of Middletown with the limits from East Main Street to East Lockwood Street. The project sponsor is the Town of Middletown and North Catherine Street is a town maintained municipal street.
Rodney Square Beautification	The project proposes to reconstruct the surrounding hardscape, remove existing trees, and plant new trees on the perimeter of Rodney Square along 10th Street and King Street.
Shipley Street Streetscape	This project is located in the City of Wilmington along Shipley Street between Fourth and Seventh Streets. It involves the construction of curb and sidewalk along Shipley Street. This work is being undertaken to improve safety and mobility for pedestrians and to enhance downtown Wilmington.
South Park Drive Lighting Improvements	This project involves replacing existing, outdated lighting to provide a safer environment for pedestrians along South Park Drive. This project is located in the City of Wilmington along South Park Drive between N. West Street and N. Van Buren Street.
Greenhill Avenue Landscaping Improvements	The requested project involves removal and replacement of overgrown trees, removal and replacement of stone wall and a chain link fence that is in poor condition. This project is located in the City of Wilmington along Greenhill Avenue adjacent to the Ed "Porky" Oliver Golf Course between 7th and 11th Streets.
9th Street Enhancements, Wilmington	This project involves adding pedestrian facilities as well as lighting and other aesthetic amenities within project limits. This project is located in the City of Wilmington along 9th Street between Market Street and West Street.
Carpenter Street Enhancements	The project involves providing sidewalk and curb improvements, ADA standard upgrades to existing curb ramps, traffic calming and landscaping. This project is located in the City of Wilmington along Carpenter Street from Van Buren Street to North Jackson Street

**Delaware Department of Transportation
Transportation Enhancements Program**

Fiscal Years 2012-2013 Transportation Enhancement Plan

Project	Description
"The Green" Sidewalk Improvements, NCC	The requested project involves sidewalk repair and replacement as well as investigation into minor drainage problems in the area surrounding the Arsenal Building. This project is located in the City of New Castle on "The Green."
Southbridge Streetscape Improvements	This project is located in the City of Wilmington south of the 4th Street Bridge over the Christina River. The project area is the portion of the Southbridge Neighborhood roughly defined by S. Heald Street to the west, New Castle Avenue to the east, Lobdell Street to the north and D Street to the south. The purpose of the project is to improve pedestrian safety, traffic calming and installing directional signage to assist previous work to reduce the truck traffic in the neighborhood.
6th Street Enhancements, Wilmington	This project involves adding pedestrian facilities as well as lighting and other aesthetic amenities within project limits. This project is located in the City of Wilmington along 6th Street between Market Street and King Street.
Paper Mill Road Pedestrian Improvements	This project is to improve pedestrian facilities within the project area and located on Paper Mill Road to Grantchester.
Concord Avenue Streetscape Improvements	The project is to improve pedestrian accessibility and beautification throughout the project limits. This project is located in the City of Wilmington along Concord Avenue between Broom Street and Baynard Boulevard.
Windsor Street Improvements	The requested project involves sidewalk replacement, ADA curb ramp upgrades and paving. This project is located in the City of Wilmington along Windsor Street between 8th and 9th Streets.

**Delaware Department of Transportation
Transportation Enhancements Program**

Fiscal Years 2012-2013 Transportation Enhancement Plan

Project	Description
Design	
Delaware Ave Streetscape Improvements	The project involves providing sidewalk and curb improvements, ADA standard upgrades to existing curb ramps, traffic calming and landscaping. This project is located in the City of Wilmington along Delaware Avenue from Union Street to Scott Street.
Town of Elsmere Sidewalks (SR100)	This project proposes to construct a ten-foot wide shared-use pedestrian and bicycle trail within the Maple Avenue Park and Fairgrounds Park, south of Maple Avenue and Dover Avenue. In addition, this project proposed to restripe the lane configuration on Dupont Road (SR 100) from New Road to Faulkland Road (SR 34) to allow for the installation of bicycle lanes without widening the roadway. The goal of both projects is to improve pedestrian and bicycle safety and mobility within the Town of Elsmere.
Town of Newport Streetscape Phase II	This project involves the construction of pedestrian facilities and beautification along both sides of West Justis Street and West Market Street from the limits of Phase I near North Marshall Street to John Street.
Greenhill Avenue Streetscape Improvements	This project involves the installation of decorative street lighting and reconstruction of curb and sidewalk at select locations along multiple streets. In addition, curb ramps will be reconstructed to comply with current Americans with Disabilities Act (ADA) standards. This work is being undertaken to improve safety and mobility for pedestrians and to enhance the southwest section of Wilmington by extending the improvements constructed in 2010 along W. 4th Street under the Southwest Civic Association, Phase I, Enhancements project (T200420006).
Miller Road Streetscape Improvements	This project involves the installation of sidewalk improvements and traffic calming along Miller Road in the City of Wilmington, in between the intersection of W. 34th and W. 29th and Baynard Boulevard.
Valley Road Pedestrian Improvements	This project involves the installation of sidewalk improvements along Valley Road in the Town of Hockessin, from Swift Park to Lantana Square.
Old Lancaster Pike Pedestrian Bridges	This project involves construction of two pedestrian bridges to be located along Old Lancaster Pike within the previously completed Streetscape project.
Penn Farm Recreational Trail	This project involves installation of a trail proposed by Delaware Greenways and located along the north side of SR 273 between Airport Plaza and the Industrial Track Greenway in New Castle.

**Delaware Department of Transportation
Transportation Enhancements Program**

Fiscal Years 2012-2013 Transportation Enhancement Plan

Project	Description
New Project Evaluation (Concept)	
Midtown Brandywine Streetscape Improvements	The project is to provide sidewalk and curb improvements, ADA standard upgrades to existing curb ramps, pedestrian lighting, traffic calming and landscaping. The project limits are within the City of Wilmington and include the 1300 block of West Street, sections of Tatnall Street, the edge of Brandywine Park and Historic Winchester Place.
Rodney Square Phase II	The project proposes to reconstruct the surrounding hardscape, remove existing trees, and plant new trees on the perimeter of Rodney Square along 11th Street in the City of Wilmington. This project is the 2nd phase to renovate portions of the Rodney Square Transportation Hub.
St. Georges Streetscape Phase II	This project is a continuation of Phase I within the St. Georges area. The project is Phase II which will provide streetscape enhancements along Main Street.
Newark Train Station Historical Improvements	This project will involve rehabilitation work on the Old Newark Train Station located along South College Avenue in the City of Newark.
Cool Spring Streetscape Improvements	This project will provide streetscape improvements in the Cool Spring Area of the City of Wilmington. The project will improve and enhance the pedestrian walkways along the perimeter of Cool Spring Park, the perimeter of the adjoining Cool Spring Reservoir Plaza and create an extension of the pedestrian walkway of 11th Street through the center of Cool Spring Park.