

DVRPC FY2014-2017 TIP for NJ

New Jersey Highway Program

Final Version

Mercer

DB# 99334 Duck Island Landfill, Site Remediation

AQCODE: S2

The NJDOT completed construction that properly sealed the site of the landfill in 2001. NJ Department of Environmental Protection requires continued monitoring of the site due to contamination levels at the landfill. This monitoring requirement is typical for a landfill with contamination.

CMP: Not SOV Capacity Adding Adding Subcorr(s): 1A
 Municipalities: Hamilton Township DVRPC Planning Area: Developed Community
 CIS Program Subcategory: Quality of Life CIS Program Category: Road Assets
 Project Manager: Campi, John Degrees of Disadvantage: 3
 Mileposts: N/A Sponsor: NJDOT
 Improvement Type: Other

TIP Program Years (\$ millions)

Later Fiscal Years (\$ millions)

Phase Fund	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
EC STATE	0.100										
EC STATE		0.100									
EC STATE			0.100								
EC STATE				0.100							
EC STATE					0.100						
EC STATE						0.100					
EC STATE							0.100				
EC STATE								0.100			
EC STATE									0.100		
EC STATE										0.100	
Fiscal Year Total	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	
	Total FY2014-2017				0.400	Total Later FY2018-2023				0.600	

DB# D0412 Mercer County Roadway Safety Improvements

AQCODE: S11

This program will provide for the installation of improved safety items including reflective pavement markings (including both striping and raised reflective markers), reflective object markers, reflective roadway delineators, guide rail, and other treatments that improve the overall safety and visibility of various roadways in the county.

CMP: Not SOV Capacity Adding DVRPC Planning Area:
 Municipalities: Various CIS Program Category: Local System Support
 CIS Program Subcategory: Local Aid Degrees of Disadvantage:
 Project Manager: Kumar, Arun Sponsor: Mercer County
 Mileposts: N/A
 Improvement Type: Roadway Rehabilitation

TIP Program Years (\$ millions)

Later Fiscal Years (\$ millions)

Phase Fund	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
CON STATE-DVRPC		0.600									
CON STATE-DVRPC				0.700							
CON STP-STU						0.800					
CON STP-STU								0.800			
CON STP-STU										0.800	
Fiscal Year Total		0.600		0.700		0.800		0.800		0.800	
	Total FY2014-2017				1.300	Total Later FY2018-2023				2.400	

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DB# D0701 Princeton-Hightstown Road Improvements, CR 571

AQCODE: S6

The project limits include the intersections of CR 571 with Clarksville Road (CR 638) and Wallace-Cranbury Road (CR 615), and the approximately 1 mile segment connecting them. CR 571 is a major east-west corridor at the northern edge of Mercer County and the Central Jersey Transportation Forum has endorsed the improvement concept. This is a severe safety concern regarding the area where the roadway drops from four lanes to two. Mercer County and West Windsor Township hope to make "Main Street" pedestrian, bicycle, and site access improvements, including sidewalks, protected turn lanes and no additional through travel lanes.

CMP:	Minor SOV Capacity	Adding Subcorr(s): 14B
Municipalities:	West Windsor Township	DVRPC Planning Area: Developed Community
CIS Program Subcategory:	Local Aid	CIS Program Category: Local System Support
Project Manager:	Kumar, Arun	Degrees of Disadvantage: 0
Mileposts:	40.32 - 40.97	Sponsor: Mercer County
Improvement Type:	Intersection/Interchange Improvements	

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
DES STATE-DVRPC	0.800									
CON STP-STU		3.300								
CON STATE-DVRPC				3.300						
CON STP-STU						3.300				
Fiscal Year Total	0.800	3.300		3.300		3.300				
	Total FY2014-2017		7.400		Total Later FY2018-2023			3.300		

DB# 04316 Route 1 Business, Brunswick Circle to Lake Drive

AQCODE: a2

The purpose of the project is to provide traffic calming along a segment of US Route 1 Business (Brunswick Avenue) in Lawrence Township, Mercer County, NJ, from just north of the Brunswick Circle (MP 0.48) to Lake Drive (MP 1.38). The project will address the community's desire to redevelop this stretch of Route 1B into a pedestrian friendly urban streetscape that promotes business development and aims at slowing traffic speeds, improving and increasing pedestrian connectivity, and providing aesthetic treatments that would help to create a new identity for this section of Route 1B. The improvements include the following elements: reduced-width traveled lanes, parking along the NB shoulder, a wider grassed center median, pedestrian bulb-outs at street corners, pedestrian crosswalk delineation, signalized intersection improvements at Cherry Tree Lane & Slack Avenue, minor drainage modifications, milling/resurfacing, signing/stripping, and construction of a modern roundabout with proposed lighting at the Whitehead Road intersection. Utility relocations and right-of-way acquisition will be required in the vicinity of the proposed roundabout.

CMP:	Not SOV Capacity Adding	Adding Subcorr(s): 4A, 4B
Municipalities:	Lawrence Township	DVRPC Planning Area: Developed Community
CIS Program Subcategory:	Local Aid	CIS Program Category: Local System Support
Project Manager:	Campi, John	Degrees of Disadvantage: 4
Mileposts:	0.35 - 1.38	Sponsor: Local Lead
Improvement Type:	Bicycle/Pedestrian Improvement	

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
CON STP-TE		4.302								
Fiscal Year Total		4.302								
	Total FY2014-2017		4.302		Total Later FY2018-2023					

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DB# 01330A Route 1, Southbound, Nassau Park Boulevard to Quaker Bridge Mall Overpass

AQCODE: 2025M

This project resulted from a Congestion Management Study. Critical concerns are safety/efficiency in the separation of through and local traffic. Widening of Rt. 1 Southbound to 3 through lanes with a 2 lane Collector Distributor (CD) Road is proposed. Driveway access revisions are also included to minimize conflicts.

Operational and safety improvements are proposed in the southbound direction. Critical concerns include the safety/efficiency in the separation of the through and local traffic; safety of the weaving and merge operations on the CD roadway; density of roadside driveways and associated vehicle conflicts; and the inadequate or lack of acceleration/deceleration lanes at Quaker Bridge Mall ramps.

CMP: Minor SOV Capacity Adding Subcorr(s): 4B
 Municipalities: Lawrence Township; West Windsor Township DVRPC Planning Area: Developed Community
 CIS Program Subcategory: Safety CIS Program Category: Safety Management
 Project Manager: Campi, John Degrees of Disadvantage: 3
 Mileposts: 7.61 - 8.69 Sponsor: NJDOT
 Improvement Type: Intersection/Interchange Improvements

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ROW NHPP	3.500									
CON NHPP			10.665							
Fiscal Year Total	3.500		10.665							
	Total FY2014-2017		14.165		Total Later FY2018-2023					

DB# 13326 Route 27, Riverside Drive W to Vliet Road *NEW*

AQCODE: S10

Initiated from the Pavement Management System, this project will resurface various locations of the northbound direction and various locations of the southbound direction.

CMP:
 Municipalities: Princeton Borough DVRPC Planning Area: Developed Community
 CIS Program Subcategory: Road Assets
 Project Manager: Hameed, Omar Degrees of Disadvantage:
 Mileposts: 1.43 - 8.61 Sponsor: NJDOT
 Improvement Type: Roadway Rehabilitation

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
CON STATE	0.800									
Fiscal Year Total	0.800									
	Total FY2014-2017		0.800		Total Later FY2018-2023					

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DB# 07319B Route 29, Cass Street to Calhoun Street, Drainage

AQCODE: S2

This project is a breakout of Route 29, Drainage Improvements (DB# 07319). Flooding and drainage problems have been reported along Route 29 in the southern section of the original parent project. Based on available information, it is perceived that storm sewer systems and the Delaware River are primary causes of the flooding. Approximately 14 Tideflex valves and a flood wall extension of about 200 feet in length would address flooding by preventing the Delaware River from backing up into the existing storm sewer pipe systems within the Route 29 right-of-way. With these improvements, various locations of the roadway will be protected from events ranging between the 15 and 50-year floods in the river's main channel.

CMP:

Municipalities:	Trenton City	DVRPC Planning Area:	Core City
CIS Program Subcategory:		CIS Program Category:	Road Assets
Project Manager:	Birch, William	Degrees of Disadvantage:	
Mileposts:	2.94 - 4.34	Sponsor:	
Improvement Type:	Roadway Rehabilitation		

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
PE STP	0.350									
DES STP			0.850							
ROW STP				0.100						
CON STP						3.000				
Fiscal Year Total	0.350	0.850	0.100		3.000					
	Total FY2014-2017			1.300	Total Later FY2018-2023			3.000		

DB# 11358 Route 29, Drainage Ditch Culvert, Hopewell Twp.

NEW

AQCODE: S6

Based on the Structural Re-Evaluation Report, the overall condition of the structure is poor due to extensive large spalls (up to 2" deep) with exposed rusted rebars, wide crack and incipient spalls in the original east culvert section road slab and in the sidewalks. The proposed will consist of repairing the box culvert using the Shotcrete method.

CMP:

Municipalities:	Hopewell Township	DVRPC Planning Area:	Rural Area
CIS Program Subcategory:		CIS Program Category:	Bridge Assets
Project Manager:	Hameed, Omar	Degrees of Disadvantage:	
Mileposts:	16.21	Sponsor:	NJDOT
Improvement Type:	Roadway Rehabilitation		

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
CON STATE				0.506						
Fiscal Year Total				0.506						
	Total FY2014-2017			0.506	Total Later FY2018-2023					

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DB# 08355 Route 31, Bridge over CSX Railroad

AQCODE: S19

The project includes replacement of the bridge over CSX Railroad, a new pavement box will be constructed several hundred feet either side of the bridge and replacement of the culvert at Seminary Creek.

CMP:	Not SOV Capacity Adding	Adding Subcorr(s): 8C
Municipalities:	Hopewell Township; Pennington Borough	DVRPC Planning Area: Rural Area; Developed Community
CIS Program Subcategory:	Bridge Preservation	CIS Program Category: Bridge Assets
Project Manager:	Campi, John	Degrees of Disadvantage: 1
Mileposts:	7.07	Sponsor: NJDOT
Improvement Type:	Bridge Repair/Replacement	

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)						
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
ROW NHPP	0.250										
CON NHPP			6.950								
Fiscal Year Total	0.250		6.950								
	Total FY2014-2017		7.200		Total Later FY2018-2023						

DB# 159A Route 31, Pennington Circle Safety Improvements

AQCODE: S2

The project is a breakout of the Rt. 31 TDD project (DB 159). The project will evaluate and begin to develop measures to improve safety at the Pennington Circle. Limits of the project will also include appropriate lengths of CR 546 and CR 640, which intersect the circle. The Pennington Circle is the site of frequent vehicle crashes, and is ranked 98th on the statewide list of top "High Crash Frequency and Severity" intersections. It is a significant safety concern for Hopewell Township officials and residents. The project focuses on improving safety. Signing and striping changes are included as part of the improvement.

CMP:	Minor SOV Capacity	Adding Subcorr(s): 8B
Municipalities:	Hopewell Township	DVRPC Planning Area: Rural Area
CIS Program Subcategory:	Safety	CIS Program Category: Safety Management
Project Manager:	Campi, John	Degrees of Disadvantage: 0
Mileposts:	6.09	Sponsor: NJDOT
Improvement Type:	Intersection/Interchange Improvements	

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)						
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
CON HSIP	1.000										
Fiscal Year Total	1.000										
	Total FY2014-2017		1.000		Total Later FY2018-2023						

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DB# 11309 **Route 130, Westfield Ave. to Main Street** **NEW**

AQCODE: S10 Initiated from the Pavement Management System, this project consists of milling, resurfacing and rehabilitating the roadway within the project limits.

CMP:	Not SOV Capacity Adding	Adding Subcorr(s): 6A
Municipalities:	East Windsor Township	DVRPC Planning Area: Growing Suburb
CIS Program Subcategory:		CIS Program Category: Road Assets
Project Manager:	Campi, John	Degrees of Disadvantage:
Mileposts:	67.8 - 72.8	Sponsor: NJDOT
Improvement Type:	Roadway Rehabilitation	

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
PE NHPP	0.400									
DES NHPP		0.500								
CON NHPP			7.123							
Fiscal Year Total	0.400	0.500	7.123							
	Total FY2014-2017			8.023	Total Later FY2018-2023					

DB# L064 **Route 206, South Broad Street Bridge over Assumpink Creek**

AQCODE: S19 This project provides for the removal of the two existing arch extensions to the original stone arch bridge. The original arch will then be widened to the downstream side with a modern structure. The new structure will carry all vehicular traffic as the traffic pattern will be shifted slightly downstream. The area above the original center arch will no longer carry vehicular traffic, but will be used as a pedestrian walkway. Context Sensitive Design techniques will be used to assimilate the new structure into this historic area.

CMP:	Not SOV Capacity Adding	Adding Subcorr(s): 4A, 8A
Municipalities:	Trenton City	DVRPC Planning Area: Core City
CIS Program Subcategory:	Bridge Preservation	CIS Program Category: Local System Support
Project Manager:	Gandhi, Anupam I.	Degrees of Disadvantage: 7
Mileposts:	42.70	Sponsor: NJDOT
Improvement Type:	Bridge Repair/Replacement	

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
DES NHPP	0.900									
CON STATE		7.562								
Fiscal Year Total	0.900	7.562								
	Total FY2014-2017			8.462	Total Later FY2018-2023					

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DB# 95040 **Route 206, Whitehorse Circle (CR 533, 524)**

AQCODE: S2 This project is to improve safety by constructing a roundabout to eliminate many of the conflict points, thereby reducing the number of crashes, specifically the angle crash type.

CMP:	Not SOV Capacity Adding	Adding Subcorr(s): 1A, 4A
Municipalities:	Hamilton Township	DVRPC Planning Area: Developed Community
CIS Program Subcategory:	Safety	CIS Program Category: Safety Management
Project Manager:	Birch, William	Degrees of Disadvantage: 2
Mileposts:	38.81 - 39.95	Sponsor: NJDOT
Improvement Type:	Intersection/Interchange Improvements This project may be suitable for ITS treatments.	

		TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Phase Fund											
PE	HSIP	0.500									
DES	HSIP		0.500								
ROW	STATE			0.200							
CON	HSIP					2.920					
Fiscal Year Total		0.500	0.500	0.200		2.920					
		Total FY2014-2017		1.200	Total Later FY2018-2023		2.920				

DB# 06358 **Route 295, Northbound Approach to Route 1 Exits, ITS Improvements**

AQCODE: s7 During rush hours, especially the AM peak hours, the exit from I-295 northbound to Rt. 1 is insufficient for the amount of traffic, causing backups in the through lanes of I-295 northbound which creates an operational and safety problem. Reconstruction of the interchange and interstate to expand the capacity of the exit could be costly and adversely impact the environment as well as adjacent properties. An interim improvement is proposed to allow the use of the I-295 northbound shoulder to extend the storage for the deceleration lane. To minimize the loss of the shoulder, it is proposed to use ITS technologies to open the shoulder for deceleration use only when needed and then return it to use as a shoulder when not needed. Technologies would include methods of detection when backups are imminent and providing the information to the traveling public that the shoulder is open for use.

CMP:	Minor SOV Capacity	Adding Subcorr(s): 4B
Municipalities:	Lawrence Township	DVRPC Planning Area: Developed Community
CIS Program Subcategory:	Congestion Relief	CIS Program Category: Congestion Relief
Project Manager:	Bousenberry, Bob	Degrees of Disadvantage: 2
Mileposts:	67.00 - 67.50	Sponsor: NJDOT
Improvement Type:	Signal/ITS Improvements This project contains ITS elements.	

		TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Phase Fund											
CON	CMAQ				1.400						
Fiscal Year Total					1.400						
		Total FY2014-2017		1.400	Total Later FY2018-2023						

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DB# 99362 Trenton Amtrak Bridges

AQCODE: S19

This project will rehabilitate the Chestnut Avenue, Monmouth Street and East State Street Orphan Bridges over Amtrak. The bridges will be rehabilitated on the existing alignment and will maintain the same cross section. Minor curb, sidewalk and repaving within the existing curblines will be done at the bridge approaches. Profile changes are limited to minimize impact to utilities, lighting, drainage and right of way.

CMP:	Not SOV Capacity Adding	Adding Subcorr(s): 4A, 9A
Municipalities:	Trenton City	DVRPC Planning Area: Core City
CIS Program Subcategory:	Bridge Preservation	CIS Program Category: Bridge Assets
Project Manager:	Campi, John	Degrees of Disadvantage: 8
Mileposts:	N/A	Sponsor: NJDOT
Improvement Type:	Bridge Repair/Replacement	

TIP Program Years (\$ millions)

Later Fiscal Years (\$ millions)

Phase Fund	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
DES STATE-DVRPC	2.450									
ROW STATE-DVRPC		2.800								
CON STATE-DVRPC				7.930						
CON STATE-DVRPC					19.421					
CON STATE-DVRPC						21.879				
Fiscal Year Total	2.450	2.800		7.930	19.421	21.879				
	Total FY2014-2017			13.180	Total Later FY2018-2023			41.300		

Total for Mercer:

11.050	19.664	25.888	14.036	22.441	29.079	0.100	0.900	0.100	0.900
Total FY2014-2017			70.638	Total Later FY2018-2023			53.520		