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 P | rogram Yea | rs (\$ million | s) | | Later | Fiscal Year | s (\$ millior | ns) | |
|-------------------|-------------|-------------|----------------|-------|-------|---------|-------------|---------------|-------|-------|
| 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 |
| | <u>Tota</u> | I FY2014-20 | <u>17</u> 0. | .400 | | Total L | ater FY2018 | <u>-2023</u> | 0.600 | |
| | | | | | | | | | | |

DB# D1011 Mercer County Bus Purchase

AQCODE: M10 This program will provide for the purchase of buses and bus equipment for transportation services programs in Mercer

County.

CMP: Not SOV Capacity Adding

Municipalities: Various DVRPC Planning Area:

CIS Program Subcategory: CIS Program Category: Local System Support

Project Manager: Degrees of Disadvantage:

Mileposts: 0 Sponsor: DVRPC

Improvement Type: Transit Improvements

| | TIP P | rogram Yea | rs (\$ millio | ns) | Later Fiscal Years (\$ millions) | | | | | | |
|-------------------|-------------|-------------|---------------|-------|----------------------------------|----------|-------------|--------------|------|------|--|
| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | |
| EC CMAQ | | 0.000 | | | | | | | | | |
| Fiscal Year Total | | 0.000 | | | | | | | | | |
| | <u>Tota</u> | I FY2014-20 | <u>17</u> (| 0.000 | | Total La | ater FY2018 | <u>-2023</u> | | | |

New Jersey Highway Program

Final Version

Mercer

DB# D1511

Mercer County Guiderail Management Planning Initiative

AQCODE:

This project will provide an engineering assessment of guiderail installed along Mercer County highways and abutting offnetwork bridges maintained by the County. Analysis will include location and physical attributes, current condition, and design recommendations to bring installations into compliance with current standards, considering also minor drainage and grading improvements to eliminate guiderail.

CMP:

Municipalities: CIS Program Subcategory:

DVRPC Planning Area: Various CIS Program Category: Degrees of Disadvantage: Sponsor: Mercer County

Improvement Type:

Project Manager:

Mileposts:

Intersection/Interchange Improvements TIP Program Years (\$ millions)

Later Fiscal Years (\$ millions)

| | | | · · · | | | | | | <i>,</i> | |
|-------------------|-------------|-------------|-------------|------|------|----------|-------------|-------|----------|------|
| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| PLS STATE-DVRPC | 1.000 | | | | | | | | | |
| Fiscal Year Total | 1.000 | | | | | | | | | |
| | <u>Tota</u> | I FY2014-20 | <u>17</u> 1 | .000 | | Total La | ater FY2018 | -2023 | | |
| | | | | | | | | | | |

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

Municipalities: Various

> CIS Program Category: Local System Support Local Aid

Project Manager: Kumar, Arun Mileposts: N/A

CIS Program Subcategory:

Degrees of Disadvantage: Sponsor: Mercer County

DVRPC Planning Area:

Improvement Type:

Roadway Rehabilitation

| TIP Program Years (\$ millions | 3) |
|--------------------------------|----|
|--------------------------------|----|

Later Fiscal Years (\$ millions)

| <u> </u> | | | | | | | | | |
|--------------|-----------|-------------|-------|----------------------------|----------------------------|-------------------------|-------------------------|---|-------|
| 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| | | 0.600 | | | | | | | |
| | | | 0.700 | | | | | | |
| | | | | | 0.800 | | | | |
| | | | | | | | 0.800 | | |
| | | | | | | | | | 0.800 |
| | | 0.600 | 0.700 | | 0.800 | | 0.800 | | 0.800 |
| <u>Total</u> | FY2014-20 | <u>17</u> 1 | .300 | | Total La | ter FY2018- | ·2023 | 2.400 | |
| | | | | | | | | | |
| | | | 0.600 | 0.600 0.700 0.600 0.700 | 0.600 0.700 0.600 0.700 | 0.600 0.700 0.800 0.800 | 0.600 0.700 0.800 0.800 | 0.600 0.700 0.800 0.600 0.700 0.800 0.800 | 0.600 |

New Jersey Highway Program

Final Version

Mercer

DB# D0702 Mercer County Signal Project, CR 533

This project will include the development of operations plans and signal timing plans in an effort to improve traffic signal AQCODE: 2020M

coordination for 21 existing signalized intersections on CR 533 in Mercer County from the Whitehorse Circle to Nassau Park Boulevard. The plans will address the management of traffic under both peak-period conditions as well as off-peak

conditions and will be consistent with the Delaware Valley Regional ITS Architecture.

CMP: Minor SOV Capacity Adding Subcorr(s): . 4A, 4B, 9B

Hamilton Township; West Windsor Township Municipalities: **DVRPC Planning Area: Developed Community** CIS Program Subcategory: CIS Program Category: Local System Support Local Aid

Project Manager: Kumar, Arun Degrees of Disadvantage: 0

Mileposts: 0.0 - 8.41 Sponsor: Mercer County

Improvement Type: Signal/ITS Improvements

This project contains ITS elements.

TIP Program Years (\$ millions) Later Fiscal Years (\$ millions)

2022 2023 Phase Fund 2015 2017 2018 2019 2020 2021 2014 2016 CON STATE-DVRPC 6.500 STP-STU 0.155 **Fiscal Year Total** 6.655 Total FY2014-2017 6.655 Total Later FY2018-2023

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: CIS Program Category: Local System Support Local Aid

Project Manager: Kumar, Arun Degrees of Disadvantage: 0 Mileposts: 40.32 - 40.97 Sponsor: Mercer County

Improvement Type:

Intersection/Interchange Improvements

TIP Program Years (\$ millions) Later Fiscal Years (\$ millions) 2017 2018 2019 2020 2022 2023 Phase Fund 2014 2015 2016 2021 DES STATE-DVRPC 0.800 CON STP-STU 1.300 STP-STU CON 4.600 CON STP-STU 4.100 **Fiscal Year Total** 0.800 1.300 4.600 4.100 Total FY2014-2017 0.800 Total Later FY2018-2023 10.000

New Jersey Highway Program

Final Version

Mercer

DB# D1408

Province Line Road Bike Trail

AQCODE: S19 This project will help complete the regional bicycle and pedestrian network by installing a dedicated eight foot (8') wide bicycle and pedestrian trail along the eastern side of Province Line Road to link various segments of the Lawrence Hopewell Trail from the southeastern end of the Bristol Myers Squibb campus in Lawrenceville, across U.S. Route 206, south on Province Line Road to Bannister Drive, where the trail turns and continues on residential streets.

The Province Line Road section of the Lawrence-Hopewell Trail is approximately 2,700 feet long and is expected to safely take trail users off a very busy, narrow Quaker Bridge Mall - Route 1 connector road and provide important access to community parks. It will provide trail access to three neighborhoods that are presently cut off from any safe bicycling or walking opportunities. Going south, the segment also serves as an important link to the Princeton Pike bike lane that continues for about a mile before turning off road at the historic Brearley House and onto the Delaware and River (D&R)

Sponsor:

This was a project selected from the 2012 DVRPC Competitive CMAQ Program for \$360,000 CMAQ funds.

CMP:

Municipalities: **DVRPC Planning Area: Developed Community** Lawrence Township

CIS Program Subcategory: CIS Program Category: Multimodal Project Manager: J.Parvessi Degrees of Disadvantage: Mileposts:

Improvement Type: Bicycle/Pedestrian Improvement

TIP Program Years (\$ millions)

Later Fiscal Years (\$ millions)

| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|--------------|-------------|-----------|-------|------|----------|-------------|--------------|------|------|
| CON CMAQ | | 0.360 | | | | | | | | |
| CON STP-STU | | 0.031 | | | | | | | | |
| Fiscal Year Total | | 0.391 | | | | | | | | |
| | <u>Total</u> | I FY2014-20 | <u>17</u> | 0.391 | | Total La | ater FY2018 | <u>-2023</u> | | |
| | | | | | | | | | | |

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

AQCODE:

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/striping. 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: CIS Program Category: Local System Support Local Aid

Project Manager: Campi, John Degrees of Disadvantage: 4 Mileposts: 0.35 - 1.38Sponsor: Local Lead

Improvement Type: Bicycle/Pedestrian Improvement

| | TIP P | rogram Yea | rs (\$ million | s) | | Later | Fiscal Years | s (\$ millions |) |
|------------|-------|------------|----------------|------|------|-------|--------------|----------------|---|
| | | | | | | | | | |
| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | : |

| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|--------------|-----------|-----------|-------|------|----------|-------------|--------------|------|------|
| CON STP-TE | | 4.302 | | | | | | | | |
| Fiscal Year Total | | 4.302 | | | | | | | | |
| | <u>Total</u> | FY2014-20 | <u>17</u> | 4.302 | | Total La | ater FY2018 | <u>-2023</u> | | |
| | | | | | | | | | | |

New Jersey Highway Program

Final Version

Mercer

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: CIS Program Category: Safety Management Safety

Project Manager: Campi, John Degrees of Disadvantage: 3

7.61 - 8.69 Mileposts: Sponsor: NJDOT

Improvement Type: Intersection/Interchange Improvements

> **TIP Program Years (\$ millions)** Later Fiscal Years (\$ millions)

2014 2018 2022 2023 Phase Fund 2015 2017 2019 2020 2016 2021 ROW NHPP 3.500 CON NHPP 10.665 **Fiscal Year Total** 3.500 10.665 Total FY2014-2017 14.165 Total Later FY2018-2023

Route 27, Riverside Drive W to Vliet Road

NEW

AQCODE:

DB# 13326

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

CMP:

DVRPC Planning Area: Developed Community Municipalities: Princeton Borough

CIS Program Subcategory:

CIS Program Category: Road Assets

Project Manager: Hameed, Omar Degrees of Disadvantage:

1.43 - 8.61 Mileposts: Sponsor: NJDOT

Improvement Type: Roadway Rehabilitation

TIP Program Years (\$ millions) Later Fiscal Years (\$ millions)

2017 2018 2019 2022 2023 Phase Fund 2014 2015 2016 2020 2021 CON STATE 0.800 **Fiscal Year Total** 0.800 Total FY2014-2017 0.800 Total Later FY2018-2023

New Jersey Highway Program

Final Version

Mercer

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

TIP Program Years (\$ millions) Later Fiscal Years (\$ millions)

| Phase Fund | 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 | | | | |
| | <u>Total</u> | FY2014-2017 | <u>'</u> | 1.300 | | Total La | ater FY2018- | <u>-2023</u> | 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 rood slab

and in the sidewalls. 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

TIP Program Years (\$ millions)

| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|--------------|-----------|-------------|-------|------|----------|-------------|--------------|------|------|
| CON STATE | | | | 0.506 | | | | | | |
| Fiscal Year Total | | | | 0.506 | | | | | | |
| | <u>Total</u> | FY2014-20 | <u>17</u> 0 | .506 | | Total La | ter FY2018- | <u>-2023</u> | | |
| | | | | | | | | | | |

New Jersey Highway Program

Final Version

Mercer

DB# 08355 Route 31, Bridge over CSX Railroad

The project includes replacement of the bridge over CSX Railroad, a new pavement box will be constructed several AQCODE: S19

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

Improvement Type: Bridge Repair/Replacement

Later Fiscal Years (\$ millions)

Sponsor: NJDOT

TIP Program Years (\$ millions) 2017 2018 2019 2022 2023 Phase Fund 2014 2015 2016 2020 2021 ROW NHPP 0.000 CON NHPP 6.950 **Fiscal Year Total** 0.000 6.950 Total FY2014-2017 6.950 Total Later FY2018-2023

DB# 159A Route 31, Pennington Circle Safety Improvements

AQCODE:

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: CIS Program Category: Safety Management Safety

Project Manager: Campi, John Degrees of Disadvantage: 0

Mileposts: 6.09 Sponsor: NJDOT

Improvement Type: Intersection/Interchange Improvements

> TIP Program Years (\$ millions) Later Fiscal Years (\$ millions)

| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|--------------|------------|-------------|-------|------|----------|------------|--------------|------|------|
| CON HSIP | | 1.000 | | | | | | | | |
| Fiscal Year Total | | 1.000 | | | | | | | | |
| | <u>Total</u> | FY2014-201 | <u> 7</u> 1 | 1.000 | | Total La | ter FY2018 | <u>-2023</u> | | |
| | | | | | | | | | | |

New Jersey Highway Program

Final Version

Mercer

Project Manager:

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

Campi, John Degrees of Disadvantage:

Mileposts: 67.8 - 72.8

Improvement Type: Roadway Rehabilitation

Later Fiscal Years (\$ millions)

Sponsor: NJDOT

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|-------------------|--------------|------------|-----------------|------|-------|----------|----------------|-------------------|-------|------|
| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| PE NHPP | 0.400 | | | | | | | | | |
| DES NHPP | | | 0.538 | | | | | | | |
| CON NHPP | | | | | 7.123 | | | | | |
| Fiscal Year Total | 0.400 | | 0.538 | | 7.123 | | | | | |
| | <u>Total</u> | FY2014-20 | <u>17</u> 0. | .938 | | Total La | ater FY2018- | <u>-2023</u> | 7.123 | |
| Ļ | | | | | | | | | | |

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

TIP Program Years (\$ millions)

TIP Program Years (\$ millions)

AQCODE: S19

The scope of the project includes a bridge replacement on the same alignment as the original bridge. It consists of placing pre-cast concrete arch units over the entire width of the original arch sections. It doesn't require demolition of either the original arch or the two existing arch extensions. It eliminates the need for any ROW acquisitions and any disturbance to historic sites and parkland. Most importantly, it eliminates the impacts to Trigen hot and chilled water lines and utility vaults.

The scope of the project does not include day-lighting of the creek between S. Broad Street and S. Warren Street. Mercer County owns this bridge and the City of Trenton has the jurisdiction over Route 206.

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

Improvement Type: Bridge Repair/Replacement

Later Fiscal Years (\$ millions)

Sponsor: NJDOT

| | | | . (, | , | | | | • | , | |
|-------------------|-------------|-----------|--------------|------|------|----------|-------------|--------------|------|------|
| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| CON STATE | | 7.562 | | | | | | | | |
| DES NHPP | | | 0.750 | | | | | | | |
| Fiscal Year Total | | 7.562 | 0.750 | | | | | | | |
| | <u>Tota</u> | FY2014-20 | <u>17</u> 8. | .312 | | Total La | ater FY2018 | <u>-2023</u> | | |
| | | | | | | | | | | |

New Jersey Highway Program

Final Version

Mercer

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 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)

| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|--------------|-----------|-------------|-------|-------|----------|------------|-------|-------|------|
| 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 | | | | | |
| | <u>Total</u> | FY2014-20 | <u>17</u> 1 | 1.200 | | Total La | ter 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 | ١ |
|--|-------|---------------|-------|-----|----------|---|
|--|-------|---------------|-------|-----|----------|---|

| Phase Fund CON CMAQ | 2014 | 2015 | 2016 | 2017 1.400 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|------------------------|--------------|------------|-------------|-------------------|------|----------|-------------|--------------|------|------|
| Fiscal Year Total | | | | 1.400 | | | | | | |
| | <u>Total</u> | FY2014-201 | <u>17</u> 1 | 1.400 | | Total La | ater FY2018 | <u>-2023</u> | | |

New Jersey Highway Program

Final Version

Mercer

DB# D1507

Signal Upgrades

AQCODE: NRS

The aim of the project is to upgrade traffic control devices in Ewing Township to improve safety. Traffic control devices at the following intersections currently have signal masts on curbed islands that present fixed object hazards immediately adjacent to the travel way:

- Olden Avenue (CR 622) at Arctic Parkway (CR 639) work will include the removal of masts from islands, upgrade masts and signals, ADA compliance, turn radius restriping for safety per DVRPC Road Safety Audit;
- 2. Olden Avenue (CR 622) at US 206S (CR 583), Princeton Avenue work will include the removal of a mast and controller from island, upgrade masts and signals, ADA compliance, implementation of operational recommendations from DVRPC-funded TCDI project and congestion and crash site analysis project;
- 3.IUS 206S (CR 583), Princeton Avenue at Spruce Street (CR 613) work will include the removal of a mast from island, upgrade masts and signals, ADA compliance, and the implementation of operational recommendations from DVRPC-funded TCDI project:
- 4. Parkway Avenue (CR 634) at Parkside Avenue (CR 636) work will include the removal of a mast from island, upgrade masts and signals, ADA compliance, and implementation of recommendations from a DVRPC road diet study.

CMP:

Municipalities: Ewing Township DVRPC Planning Area: Developed Community

CIS Program Subcategory:

Project Manager:

Mileposts:

CIS Program Category:

Degrees of Disadvantage:

Sponsor: Mercer County

Improvement Type: Signal/ITS Improvements

| | TIP Program Years (\$ millions) | | | | Later Fiscal Years (\$ millions) | | | | | |
|-------------------|---------------------------------|-----------|-------|------|----------------------------------|----------|-------------|-------|------|------|
| Phase Fund | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| CON STATE-DVRPC | 1.000 | | | | | | | | | |
| Fiscal Year Total | 1.000 | | | | | | | | | |
| | Total | FY2014-20 | 17 1. | .000 | | Total La | iter FY2018 | -2023 | | |
| | | | | | | | | | | |

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 curbline 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 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 P | rogram Year | s (\$ millior | าร) | 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 | | | | | |
| | <u>Total</u> | I FY2014-201 | <u>17</u> 13 | 3.180 | | Total La | ater FY2018 | <u>-2023</u> | 41.300 | | |
| | | | | | | | | | | | |

New Jersey Highway Program

Final Version

Mercer

Total for Mercer:

| | | 1.200 0.900 | 0.100 0.900 |
|--------------------------|--------------------|-------------|-------------|
| Total FY2014-2017 65.599 | <u>Total Later</u> | FY2018-2023 | 67.343 |