

**FY 2009 TRANSPORTATION CAPITAL PROGRAM
New Jersey Department of Transportation Projects**

| <i>PROGRAM/PROJECT NAME</i> | <i>ITEM #</i> | <i>Project ID Number</i> |
|---|---------------|--------------------------|
| Route 23/80, Long-term Interchange Improvements | 176 | 9233B6 |

The proposed long-term improvements may involve a major construction project that addresses existing weekday and weekend congestion problems and provides for a critical missing link in the highway network. While the NJDOT's Interchange Study recommended several concepts for long-term improvements, the Routes 23/46/80 Task Force could not, based on the preliminary nature of such concepts, determine one concept to endorse. The Routes 23/46/80 Task Force agreed that the NJDOT should further develop four concepts to determine the most viable alternative to meet the needs of the interchange.

The following special Federal appropriation was allocated to this project. FY06 SAFETEA-LU, HPP \$1,200,000, ID# NJ202, (available 20% per year).

COUNTY: Passaic Essex

MUNICIPALITY: Wayne Twp. Fairfield Twp.

MILEPOSTS: 23: 5.1-5.7; 80: 52.8-53.75

STRUCTURE NO.: N/A

LEGISLATIVE DISTRICT: 40 27 SPONSOR: NJDOT

CIS PROGRAM CATEGORY: Congestion Relief

| MPO | Phase | Fund | Amount |
|-------|-------|-------|-------------|
| NJTPA | FA | HPP20 | \$1,000,000 |

**FY 2009 TRANSPORTATION CAPITAL PROGRAM
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| <i>PROGRAM/PROJECT NAME</i> | <i>ITEM #</i> | <i>200</i> | <i>Project ID Number</i> |
|--|---------------|------------|--------------------------|
| Route 80, Eastbound, West of Hope-Johnsonburg Road to East of Ledgewood Avenue, Resurfacing | | | 06410 |

The existing roadway typically consists of three to four 12-foot asphalt concrete travel lanes with 12-foot asphalt concrete shoulders. The opposing traffic is separated by a woods and a grass median. The roadway condition is generally poor, consistently exhibiting rutting, high severity wheel path fatigue cracking, and localized patching. The outside shoulder is generally in fair to poor condition. It is proposed to mill and resurface the entire roadway with Superpave hot mix asphalt. All inlets and other roadway utility hardware will be adjusted to final grade. Raised pavement markers will be reinstalled. Deteriorated curb and curb with existing low reveal will be reconstructed. No utility work is anticipated. Only resurfacing and incidentals required to facilitate the resurfacing as outlined in the scope of work for 3R projects will be done.

Bridge decks within the project limits do not require rehabilitation; therefore, pavement will be transitioned to meet the bridge decks. A minimum vertical under clearance of 16 feet will be maintained at all underpasses with the exception of Structure 1427150 which will be at 15 feet, 8 inches.

COUNTY: Warren Sussex Morris

MUNICIPALITY: Various

MILEPOSTS: 12.80 - 28.50

STRUCTURE NO.: N/A

LEGISLATIVE DISTRICT: 23 24 25 SPONSOR: NJDOT

CIS PROGRAM CATEGORY: Road Assets

| MPO | Phase | Fund | Amount |
|-------|-------|---------|--------------|
| NJTPA | CON | I-MAINT | \$22,800,000 |

**FY 2009 TRANSPORTATION CAPITAL PROGRAM
New Jersey Department of Transportation Projects**

| <i>PROGRAM/PROJECT NAME</i> | <i>ITEM #</i> | <i>322</i> | <i>Project ID Number</i> |
|--|---------------|------------|--------------------------|
| Route 80, Eastbound, West of Madison Avenue to Polify Road, Resurfacing | | | 07310 |

The existing roadway consists of jointed reinforced concrete pavement travel lanes with hot mix asphalt inside and outside shoulders. This segment of interstate highway ranked 26th statewide and received a Final Pavement Rating of 2.80 on the FY 2007 critical needs list generated by the Pavement Management System.

The pavement is severely distressed and has reached terminal serviceability. The scope of this project is to extend the life of the pavement and delay the need for the complete reconstruction identified in the PMS 2002 interstate study that was based upon FWD analysis.

Anticipated repairs to the concrete pavement include joint replacement, full and partial slab replacement and load transfer restoration. In addition, a surface treatment will be applied such as diamond grinding or a thin overlay to restore ride quality and friction.

This project is critical to the network strategy of preserving the integrity of interstate pavements and delaying the need for costly reconstruction currently estimated at \$10.96 million for this 6.5 mile eastbound section.

COUNTY: Passaic Bergen

MUNICIPALITY: Various

MILEPOSTS: 58.90 - 65.40

STRUCTURE NO.: N/A

LEGISLATIVE DISTRICT: 35 38 37 SPONSOR: NJDOT

CIS PROGRAM CATEGORY: Road Assets

| MPO | Phase | Fund | Amount |
|-------|-------|-------|--------------|
| NJTPA | CON | STATE | \$10,960,000 |

**FY 2009 TRANSPORTATION CAPITAL PROGRAM
New Jersey Department of Transportation Projects**

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|--|-------------------|--------------------------|
| <i>PROGRAM/PROJECT NAME</i> | <i>ITEM # 323</i> | <i>Project ID Number</i> |
| Route 80, Parsippany-Troy Hills Roadway Improvement | | 00371B |

The I-80 pavement will be reconstructed and the bridge decks for the I-80 eastbound structures over I-287 northbound (1414168) and Smith Road (1414169) will be replaced. An additional lane will be added to Ramp G (connecting I-80 eastbound with I-287 southbound) and the weaving distance between Ramp G and Ramp L (connecting the Littleton Road frontage road to I-80 eastbound) will be increased. A new ramp will be constructed to provide access from I-80 eastbound to Littleton Road eastbound. Ramp B at South Beverwyck Road will be widened to provide a right-turn lane. The slip ramp from I-80 eastbound to the eastbound local lanes will be relocated to the east in order to provide a longer weaving distance from Ramp I (connecting I-287 southbound to I-80 eastbound). Ramp J (connecting I-287 southbound to I-80 westbound) will be reconstructed. The bridge decks for the I-80 westbound structures over I-287 northbound (1414168) and Smith Road (1414169) will be replaced.

This project is multi-year funded under the provisions of Section 13 of P.L. 1995, c.108. Total construction funding is anticipated to be \$86.6 million.

COUNTY: Morris

MUNICIPALITY: Parsippany-Troy Hills Twp.

MILEPOSTS: Route 80: 41.50 - 45.60; Route 287: 41.50 - 41.80

STRUCTURE NO.: 1414168 1414169 1420154

LEGISLATIVE DISTRICT: 26

SPONSOR: NJDOT

CIS PROGRAM CATEGORY: Road Assets

| MPO | Phase | Fund | Amount |
|-------|-------|-------|-----------|
| NJTPA | ROW | STATE | \$600,000 |

**FY 2009 TRANSPORTATION CAPITAL PROGRAM
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|--|-------------------|--------------------------|
| PROGRAM/PROJECT NAME | ITEM # 324 | Project ID Number |
| Route 80, Westbound, West of Route 23 Interchange to East of Squirrelwood Road, Resurfacing | | 07309 |

This highway segment has been identified as critical pavement preservation need by the Pavement Management System and is deficient in ride quality, surface distress and structural thickness. This highway segment was identified in a 2002 interstate pavement study as needing complete reconstruction; however, funding of that magnitude is not available. It is, therefore, proposed to extend the life of this pavement by patching and structural overlay to improve the ride quality and structural capacity. The existing roadway typically consists of four 12-foot composite travel lanes with 12-foot asphalt outside shoulder with vertical concrete curb. The opposing traffic is separated by a concrete median barrier with 10-foot asphalt inside shoulders.

The existing roadway surface is in poor condition, exhibiting high severity reflective cracking, longitude joint raveling, rutting and patching. The concrete pavement exhibits some broken slabs. Guide rail and bridge structures exist within the project limits. There are existing raised pavement markers within the project limits.

Proposed improvements consist of concrete pavement repair, slab stabilization, milling and overlay. It is proposed to mill two inches in composite pavement areas and resurface five inches over the entire roadway with Superpave hot mix asphalt. All inlets will be upgraded to current standard and/or adjusted to final grade. Raised pavement markers will be reinstalled according to current standards. Deteriorated and low reveal curb will be reconstructed. Substandard guide rail will be upgraded under this contract.

COUNTY: Passaic

MUNICIPALITY: Wayne Twp. Totowa Boro West Paterson Boro

MILEPOSTS: 53.30 - 57.30

STRUCTURE NO.: N/A

LEGISLATIVE DISTRICT: 40 35 34 SPONSOR: NJDOT

CIS PROGRAM CATEGORY: Road Assets

| MPO | Phase | Fund | Amount |
|-------|-------|-------|--------------|
| NJTPA | CON | STATE | \$10,000,000 |

**FY 2009 TRANSPORTATION CAPITAL PROGRAM
New Jersey Department of Transportation Projects**

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|----------------------------------|-------------------------|--------------------------|
| <i>PROGRAM/PROJECT NAME</i> | <i>ITEM #</i> 201, 201A | <i>Project ID Number</i> |
| Route 80/287, Safety Improvement | | 00371A |

This project will provide for the reconstruction of Ramp D (connecting I-287 northbound to I-80 westbound) and Ramp B (connecting I-80 westbound to I-287 northbound). Both ramps have been associated with above average vehicular turnovers and loss of control accidents. The deceleration lane for Ramp D will also be reconstructed. Acceleration lane improvement work for Ramp H (connecting I-80 eastbound to I-287 northbound) will also be included. The I-287 northbound structure over Littleton Road will be widened.

The following special Federal appropriation was allocated to this project. FY06 SAFETEA-LU, \$800,000 (available 20% per year) (ID# NJ163).

COUNTY: Morris

MUNICIPALITY: Parsippany-Troy Hills Twp.

MILEPOSTS: Route 80: 43.56 - 43.76; Route 287: 41.5 - 42.5

STRUCTURE NO.: 1420153

LEGISLATIVE DISTRICT: 26

SPONSOR: NJDOT

CIS PROGRAM CATEGORY: Safety Management

| MPO | Phase | Fund | Amount |
|-------|-------|---------|--------------|
| NJTPA | CON | HPP20 | \$800,000 |
| NJTPA | CON | I-MAINT | \$13,370,000 |