

# **REPORT TO THE GOVERNOR AND THE LEGISLATURE ON NEW JERSEY'S ROADWAY PAVEMENT SYSTEM FISCAL YEAR 2016**



**Prepared by:**

**New Jersey Department of Transportation**

**December 2016**



## State of New Jersey

DEPARTMENT OF TRANSPORTATION  
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CHRIS CHRISTIE  
*Governor*

RICHARD T. HAMMER  
*Commissioner*

KIM GUADAGNO  
*Lt. Governor*

Dear New Jersey Citizens:

In compliance with N.J.S.A. 27:1B-21.23 and 21.24, I am pleased to submit the Department's report on New Jersey's state maintained pavement system for fiscal year 2016. The state highway network is one of New Jersey's largest assets and preserving our pavement investment continues to be a high priority for the Department. The state highway system carries approximately 41% of the state's vehicular travel and is an essential element of New Jersey's economy.

The Department strives to maintain the roadway infrastructure in a state of good repair and address deficiencies. Funding for pavement projects remains a critical criteria for how much roadway repair and improvements can be accomplished. With the recent reauthorization of the Transportation Trust Fund, NJDOT has already begun to program more pavement projects to improve the condition of the state highway network.

The Department utilizes a comprehensive Pavement Management Plan to make the most effective use of available resources. This strategy includes a mix of pavement treatments ranging from preventive maintenance to rehabilitation and reconstruction.

This report highlights work completed through the Plan in fiscal year 2016. Additionally, in compliance with statutory mandates, Appendix A of this report details pavement segments of the state highway system in need of major repair in the future.

Sincerely,

Richard T. Hammer  
Commissioner

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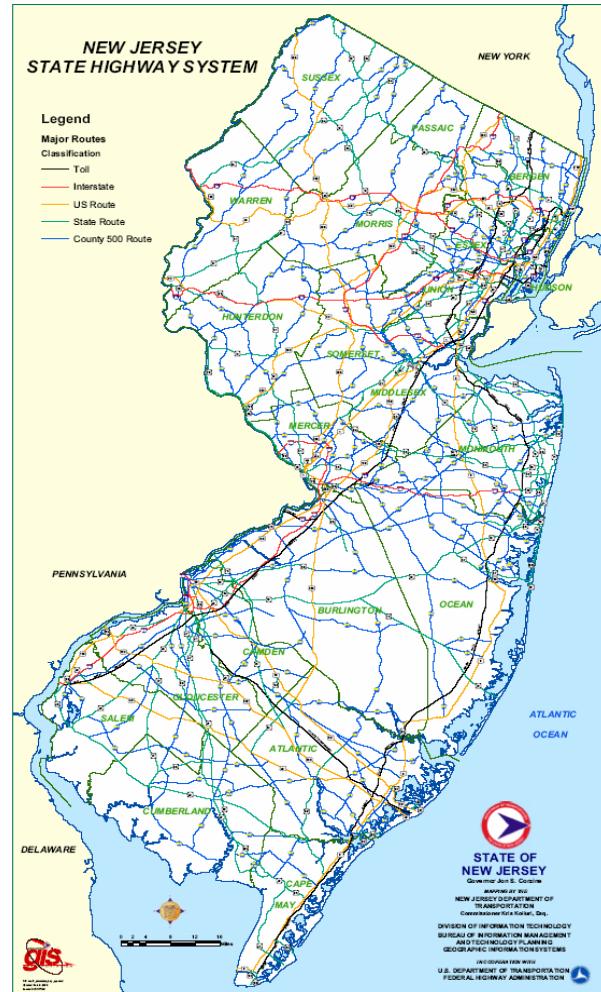
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# CURRENT STATUS OF THE STATE HIGHWAY SYSTEM

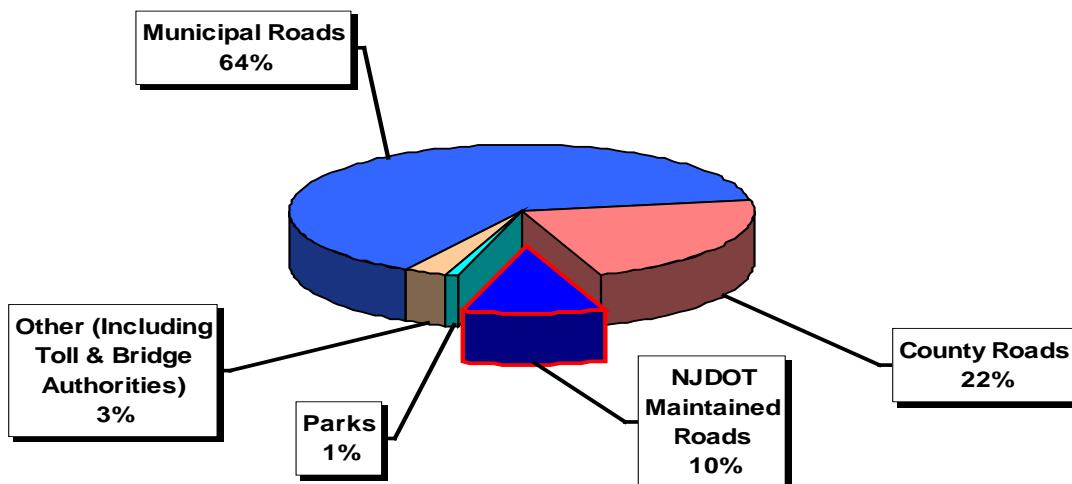
## Description of System

There are approximately 38,566 centerline (CL) miles of roadways in New Jersey. NJDOT maintains approximately 2,316 CL miles of roads, commonly referred to as the state highway system. Most of the remaining mileage is under the jurisdiction of counties (6,649 CL miles) and municipalities (28,539 CL miles). Other mileage consists of toll roads including the Garden State Parkway (173 CL miles) and the New Jersey Turnpike (149 CL miles) administered by the New Jersey Turnpike Authority, the Atlantic City Expressway (46 CL miles) administered by the South Jersey Transportation Authority, the Palisades Interstate Parkway (12 CL miles), and mileage maintained by bridge authorities (33 CL miles). Finally, park roads account for approximately 649 CL miles.

To get a better idea of pavement quantities, lane miles rather than centerline miles are used (1 mile of a 2 lane road represents 2 lane miles). As shown in Figure 1 below, NJDOT maintains about 10% of the total statewide lane mileage, but approximately 41% of all traffic, including a high percentage of heavy trucks, is carried on NJDOT maintained roads.



**FIGURE 1**  
**NJ Roadway System Breakdown by Lane Miles**



## Assessment of the State Highway System

Evaluation of the New Jersey state highway system is based upon data collected on state maintained roads and stored in the Pavement Management System. Analysis of this data to assess current pavement conditions considers the following functional adequacy indices:

- **IRI (International Roughness Index)** estimates roughness as perceived by vehicle occupants by using lasers to determine the actual variations in the pavement surface from a perfectly flat condition, measured in inches per mile (higher values mean rougher pavements). Although IRI can vary theoretically from 0 to an unlimited number, a practical range seen on pavements is 30 to 500 inches per mile.
- **SDI (Surface Distress Index)** assesses surface distress and visible deterioration by evaluating cracking, patching, faulting, shoulder drop, and joint deterioration. SDI is reported on a scale of 0 to 5 (5 is a perfect pavement free of any distress).
- **Rut Depth** measures depths of grooves primarily in vehicle wheel paths.
- **Skid Number** measures the pavement surface frictional characteristics.

While all of the indices listed above are considered in selecting locations and types of pavement treatments, IRI and SDI are most indicative of functional adequacy and are used to evaluate the system status. IRI is a national standard supported by the Federal Highway Administration and SDI is a New Jersey standard used for many years in roadway assessment.

The analyses discussed herein utilized 2015 road data to evaluate the state highway system consisting of approximately 2316 centerline miles of roadway. In terms of pavement quantities, this amounts to 8407 lane miles of mainline roadway, 4086 miles of shoulders, and 563 miles of ramps that are state owned and maintained. The criteria shown in Table 1 below were used to evaluate the mainline roadway condition.

**TABLE 1 - CONDITION CRITERIA**

Status	Condition Index Criteria (IRI = International Roughness Index, in/mi; SDI = Surface Distress Index, 0 – 5 Scale)	Engineering Significance
Deficient (Poor)	<b>IRI &gt; 170 OR SDI ≤ 2.4</b> <i>(IRI is deficient alone or SDI is deficient alone or both are deficient)</i>	<b>These roads are overdue for treatment.</b> Drivers on these roads are likely to notice that they are driving on a rough surface. These pavements may have deteriorated to such an extent that they affect the speed of free flow traffic and may cause damage to vehicles. There will be signs of significant deterioration, including potholes and deep cracks. Deficient pavements will generally be most costly to rehabilitate.
Fair	<b>(95 ≤ IRI ≤ 170 And SDI &gt; 2.4)</b> <b>OR</b> <b>(IRI &lt; 95 And 2.4 &lt; SDI &lt; 3.5)</b>	<b>These roads exhibit minimally acceptable smoothness</b> that is noticeably inferior to those of new pavements and may be barely tolerable for high-speed traffic. These pavements may show some signs of deterioration such as rutting and extensive cracking or patching. Most importantly, roads in this category are in jeopardy and should immediately be programmed for some cost-effective treatment that will restore them to a good condition and avoid costly rehabilitation in the near future.
Good	<b>IRI &lt; 95 AND SDI ≥ 3.5</b> <i>(Both IRI and SDI are good)</i>	<b>These roads exhibit good ride quality</b> with little or no signs of deterioration. A proactive preventive maintenance strategy is necessary to keep roads in this category as long as possible.

Analysis results are presented in tabular form in Table 2 and graphically in Figure 2 below.

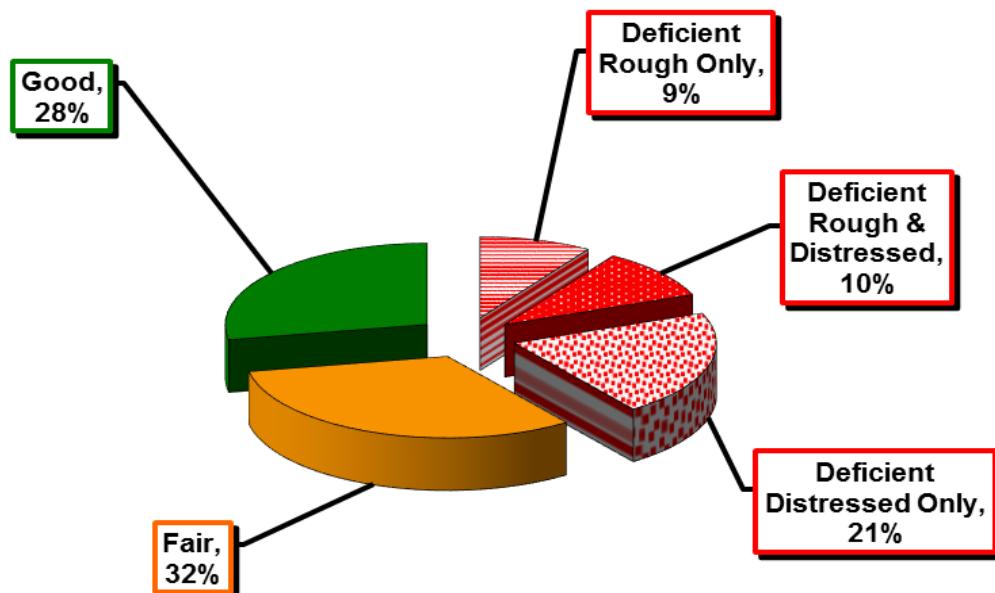
**TABLE 2**  
**Functional Adequacy of NJ State Highway System**  
**(Based on Roughness and Distress)**

Condition	Road Miles (Two Directions)	Lane Miles (Two Directions)	% of Total System Lane Miles
<b>Deficient by Roughness Alone (IRI &gt; 170)</b>	<b>471.8</b>	<b>807.6</b>	<b>9%</b>
<b>Deficient by Roughness &amp; Distress (Both)</b>	<b>541.0</b>	<b>854.6</b>	<b>10%</b>
<b>Deficient by Distress Alone (SDI ≤ 2.4)</b>	<b>1071.0</b>	<b>1749.2</b>	<b>21%</b>
<b>Total Deficient</b>	<b>2083.8</b>	<b>3411.4</b>	<b>40%</b>
<b>Total Fair/Mediocre</b>	<b>1454.7</b>	<b>2672.1</b>	<b>32%</b>
<b>Total Good</b>	<b>1125.8</b>	<b>2321.9</b>	<b>28%</b>
<b>Total State System</b>	<b>4664.3†</b>	<b>8405.4†</b>	<b>100%</b>

*Source: NJDOT Pavement Management System, 2015 Data*

*† Note: Mileage in Table 2 represents tested mileage which is slightly less than system mileage (4664 out of 4666 road miles and 8405 out of 8407 lane miles) due to inaccessibility of some areas for testing.*

**FIGURE 2**  
**Current Functional Adequacy of NJ State Highway System**  
**(Based on Roughness & Distress)**

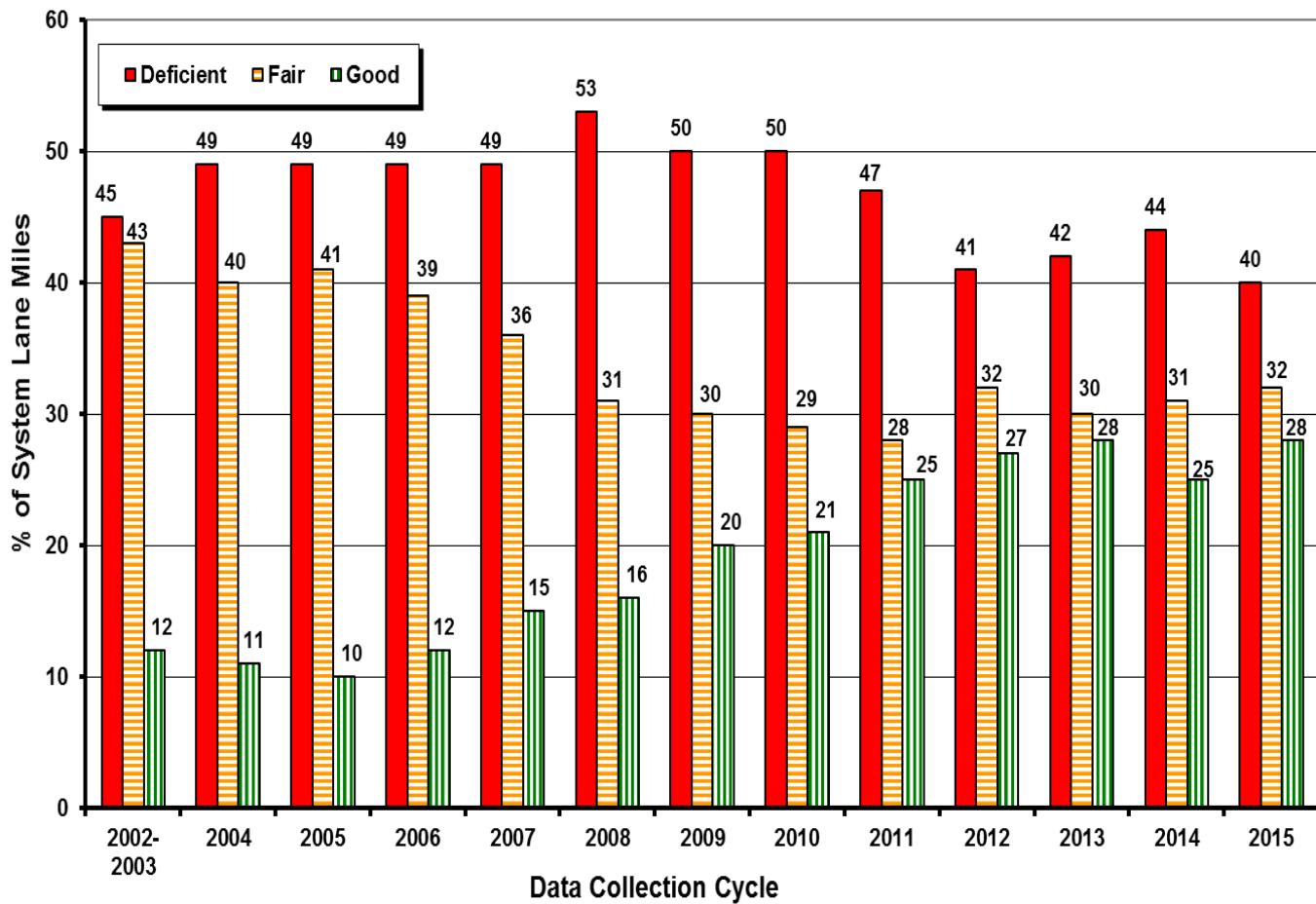


*Source: NJDOT Pavement Management System, 2015 Data*

NJDOT considers the 40% total deficiency (combination of 3 deficient subcategories above) as a serious condition which warrants treatment as soon as possible. Deficiency by IRI could indicate a safety or vehicle damage concern. SDI deficiency indicates a serious condition with regards to pavement breakup, potholes, shortened pavement life, etc. Obviously, the presence of both deficiencies is even more serious. The type of deficiency is important in that it can aid in selecting the most efficient treatment methodology and can indicate whether materials currently in use are performing adequately by the amount of deficiency due to cracking.

Similar analyses using data collected over the last 14 years show that, while the total deficiency has remained significant over time, current efforts have resulted in reduced deficiencies (see Figure 3 below).

**FIGURE 3**  
**Multi-Year Status of State Highway System**



Source: NJDOT Pavement Management System

## SUMMARY OF PAVEMENT PROJECT EXPENDITURES

A summary of pavement project expenditures in fiscal year 2016 is provided in Table 3 below. Costs for individual projects awarded in FY 2016 are shown on pages 6 through 10.

**TABLE 3**  
**Summary of Pavement Project Expenditures for Fiscal Year 2016**  
*(Individual costs for projects awarded in FY 2016 are shown on pages 6 through 10)*

Program Category	Description	Expenditure (Millions)
<b>Highway Capital Maintenance - Betterments</b> (State Funding)	This is an ongoing program of minor improvements to the state highway system for miscellaneous maintenance repair contracts, repair parts, miscellaneous needs for emergent projects, handicap ramps, and drainage rehabilitation/maintenance.	<b>\$10.195</b>
<b>Highway Resurfacing - Operations Projects</b> (State Funding)	This is a comprehensive program of providing renewed riding surfaces to state highways to prolong the life of the pavement and provide a smoother ride for users of the system.	<b>\$30.097</b>
<b>Highway Resurfacing / Rehab &amp; Reconstruct - Capital Program Mgt. Projects</b> (State & Federal Funding)	This program funds larger scale projects administered through Capital Program Management which are primarily involved with pavement restoration.	<b>\$73.483</b>
<b>Pavement Preservation Preventive Maintenance – Capital Program Mgt. Projects</b> (Federal Funding)	This program provides funding for eligible federal pavement preservation preventive maintenance activities which help to keep New Jersey's highway system in a state of good repair.	<b>\$31.727</b>
<b>Pavement Preservation Preventive Maintenance – Operations Projects</b> (Federal Funding)	This program provides funding for eligible federal pavement preservation preventive maintenance activities which help to keep New Jersey's highway system in a state of good repair.	<b>\$4.776</b>
<b>Totals</b>		<b>\$150.278</b>

## **WORK COMPLETED IN FISCAL YEAR 2016**

The Department's Operations Division administers highway capital maintenance and selected resurfacing projects. Alternatively, the Capital Program Management Division administers resurfacing and rehabilitation/reconstruction projects which are more involved with regards to required project documents and scoping. Finally, pavement preservation preventive maintenance projects are administered through both divisions. Each of these types of projects which result in significant pavement system improvements is broken down and described by program categories in the sections which follow.

### **Fiscal Year 2016 Highway Capital Maintenance – Betterments Projects**

As described in Table 3, Highway Capital Maintenance dollars were spent in fiscal year 2016 on pavement-related maintenance work administered through the Operations Division of NJDOT. In-house maintenance crews regularly performed a variety of maintenance tasks to extend the life of pavement and address emergency conditions, including the following:

- Sweeping and drain cleaning to keep water away from travel lanes.
- Patching potholes to keep the riding surface intact and prevent intrusion of moisture into the pavement layers.
- Quick-set concrete to patch and repair bridge decks.

In addition, specialized maintenance work was performed through contracts awarded and administered through Operations, including the following:

- “If-And-Where” resurfacing contracts statewide administered through Regional Operations personnel to quickly address emergency conditions.
- Crack sealing and longitudinal joint patching to prolong pavement life.
- Diamond grinding of concrete pavement to improve ride quality, skid resistance, wet weather visibility and to reduce tire noise.

## **Fiscal Year 2016 Highway Resurfacing – Operations Division Projects**

As mentioned previously, selected resurfacing projects are administered through the Department's Division of Operations Support. These projects are all state funded and Table 4 below lists resurfacing contracts awarded in fiscal year 2016. Six contracts valued at \$30.097 million are listed.

**TABLE 4**  
**Highway Resurfacing Contracts Awarded In FY 2016**  
**Through Operations Support Division**

<b>Contract # (MRRC = Maintenance Rdwy Repair Contract)</b>	<b>Route (L = Local)</b>	<b>Dir (B = Both)</b>	<b>Start Mile- Post</b>	<b>End Mile- Post</b>	<b>Total Lane Miles</b>	<b>County</b>	<b>Total Cost (Millions)</b>
MRRC #C209	028	B	6.15	7.40	4.3	Somerset	\$4.340
	091	B	0.32	2.26	4.0	Middlesex	
	172	B	0.00	0.69	2.0	Middlesex	
	287	N	21.24	23.00	3.6	Somerset	
MRRC #N206	080	W	25.28	28.11	8.4	Morris	\$4.217
	080	E	28.15	31.72	10.8		
MRRC #N312	022	E	47.71	49.00	2.6	Union	\$5.639
	022	W	47.80	49.00	2.4	Union	
	078L	E	48.73	52.60	10.9	Union, Essex	
	078L	W	50.60	52.60	6.0	Union	
MRRC #N313	001	N	38.03	42.30	12.6	Middlesex, Union	\$6.654
	001	S	38.03	42.80	14.0	Middlesex, Union	
	028	B	17.10	18.39	2.6	Union	
MRRC #S109	070	B	0.00	2.55	15.5	Camden	\$5.411
	070	B	5.33	7.67	13.1	Camden, Burlington	
MRRC DP# 15440 - Route 70 Interim Repair	070	B	2.55	5.33	12.4	Camden	\$3.836
<b>Totals</b>					<b>125.2</b>		<b>\$30.097</b>

## **Fiscal Year 2016 Highway Resurfacing/Rehabilitation/Reconstruction - Capital Program Management Projects**

This funding category includes pavement projects administered through Capital Program Management. These projects are more involved than those administered through the Operations Division with regards to required project design, documentation and scoping. This program consists primarily of resurfacing/rehabilitation/reconstruction of highway pavements, but may also include selected repair activities, upgrades to walks/curbing and guiderails, Americans with Disabilities Act (ADA) improvements, application of long-life pavement markings and raised pavement markers, and safety improvements. Table 5 below lists 13 highway resurfacing/rehab/reconstruct projects awarded in fiscal year 2016 administered through Capital Program Management valued at \$73.483 million.

**TABLE 5**  
**Hwy Resurfacing/Rehab/Reconstruct Projects Awarded in FY 2016**  
**Administered Through Capital Program Management**

Project Description	DOT UPC No.	Route L= Local	Dir B= Both	Start Mile-Post	End Mile-Post	Lane Mi's	County	Fund Source	Cost Millions
<b>Rt 1 NB</b> from Raymond Rd to Aaron Rd	124020	001	N	15.93	16.97	2.5	Middlesex	Federal	\$3.040
		001	N	19.80	21.40	3.4			
<b>Rt 9</b> , from GSP Ramp to Westecunk Creek	143650	009	B	55.23	56.90	3.4	Burlington	State	\$6.580
		009	B	57.20	66.00	17.6			
<b>Rt 9</b> from Georgia Tavern Rd to Schibanoff Rd	123970	009	N	107.20	111.75	9.6	Monmouth	Federal	\$8.879
		009	S	110.50	111.75	2.6			
		009	B	112.30	113.00	3.4			
		009	B	114.00	115.37	8.0			
<b>Rt 30</b> from Illinois Ave to Grammercy Ave	123970	030	B	52.30	57.26	21.9	Atlantic	Federal	\$5.266
<b>Rt 36</b> from Ocean Ave to Route 35	123760	036	B	22.35	24.40	8.7	Monmouth	State	\$4.630
<b>Rt 45</b> , from Main St to Chestnut St	143630	045	B	9.52	15.30	11.6	Salem, Gloucester	State	\$7.662
		045	B	15.66	17.59	3.8	Gloucester		
		045	B	18.24	22.50	8.8	Gloucester		
<b>Rt 46</b> , from Sand Shore Rd / Naughright Rd to Woods Edge Ave	143680	046	B	24.45	27.11	10.4	Morris	State	\$3.050

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**Table 5 CPM Resurfacing/Rehab/Reconstruct Contracts Awarded in FY 2016 – Continued**

Project Description	DOT UPC No.	Route L= Local	Dir B= Both	Start Mile-Post	End Mile-Post	Lane Mi's	County	Fund Source	Cost Millions
<b>Rt 70</b> from Red Lion Rd to Dakota Trail	114110	070	B	18.00	18.50	1.0	Burlington	Federal	\$8.910
		070	B	18.61	27.90	18.6			
<b>Rt 83</b> , from Rt 47 to Rt 9	143730	083	B	0.00	3.81	8.2	Cape May	State	\$2.500
<b>Rt 94</b> , from Rt 15 (Lafayette Rd) to Bayberry Lane	143660	094	B	28.00	32.80	9.6	Sussex	State	\$4.320
<b>Rt 202</b> from South of Miller Ln to North of Passaic River	114200	202	B	31.71	32.96	2.7	Somerset	Federal	\$5.010
		202	B	36.38	38.96	5.2			
<b>Rt 206</b> from S. of Paterson Ave to S. of Pines Rd	103330	206	B	107.66	115.93	18.6	Sussex	Federal	\$11.161
<b>Rt 280 WB</b> , from Rt 80 to Passaic River	143700	280	W	0.00	1.70	3.6	Morris	State	\$2.475
		280	W	2.29	3.30	2.0			
<b>Total</b>							<b>185.2</b>		<b>\$73.483</b>

### **Fiscal Year 2016 Pavement Preservation Preventive Maintenance Projects**

NJDOT has significantly increased the use of preventive maintenance treatments over the last several years. Instead of waiting until pavements deteriorate to a poor condition which then requires conventional resurfacing or rehabilitation treatments, preventive maintenance treatments are applied at a fraction of the cost to roadway sections in good or fair condition. While the majority of the pavement funding is still applied to conventional restoration of deficient pavements, the preventive maintenance strategy applied to non-deficient pavements slows the rate of deterioration and allows NJDOT to reduce the backlog of deficient pavements with the funding available.

In FY 2016, the following specialized preventive maintenance treatments were utilized:

- **Microsurfacing/Slurry Seal:** This process involves sealing the entire pavement surface with a special cold mixture of polymer modified asphalt emulsion, mineral aggregate, mineral filler, water, and other additives applied in a thin layer on the existing pavement surface.
- **High Performance Thin Overlay:** Application of a special hot mix asphalt overlay using a modified asphalt binder generally with a thickness of 1.5 inches or less to the entire pavement surface.

- **Ultra-Thin Friction Course:** A surface treatment that places a thin (0.375 to 0.75-in. thick) polymer-modified hot mix asphalt layer placed on a polymer-modified emulsified asphalt membrane. This process utilizes a specially designed paver to rapidly place material that cures almost instantly for opening to traffic.

Projects were completed in FY 2016 through both the Capital Program Management and Operations branches of NJDOT. These projects are listed in Tables 6 and 7 below.

**TABLE 6**  
**Preventive Maintenance Projects Awarded in FY 2016**  
**Administered Through Capital Program Management**

Project Description	Treatment	DOT UPC No.	Route L= Local	Dir B= Both	Start Mile-Post	End Mile-Post	Lane Miles	County	Cost Millions
Rt 80 WB from Interchange 1 to CR 519	High Performance Thin Overlay	143750	080	W	0.50	12.80	35.7	Warren	\$8.766
Rt 37 from Rt 70 to GSP	Slurry Seal	153040	037	B	0.00	6.27	30.7	Ocean	\$2.706
Rt 80 EB from Beckwith Ave to CR 55 (Polify Rd)	Ultra-Thin Friction Course	153050	080	E	58.80	65.40	19.7	Passaic, Bergen	\$9.420
Rt 295 from Repaupo Rd (CR 684) to Rt 45 (Gateway Blvd)	High Performance Thin Overlay	153070	295	B	14.60	24.50	59.9	Gloucester	\$10.835
<b>Total</b>							<b>152.6</b>		<b>\$31.727</b>

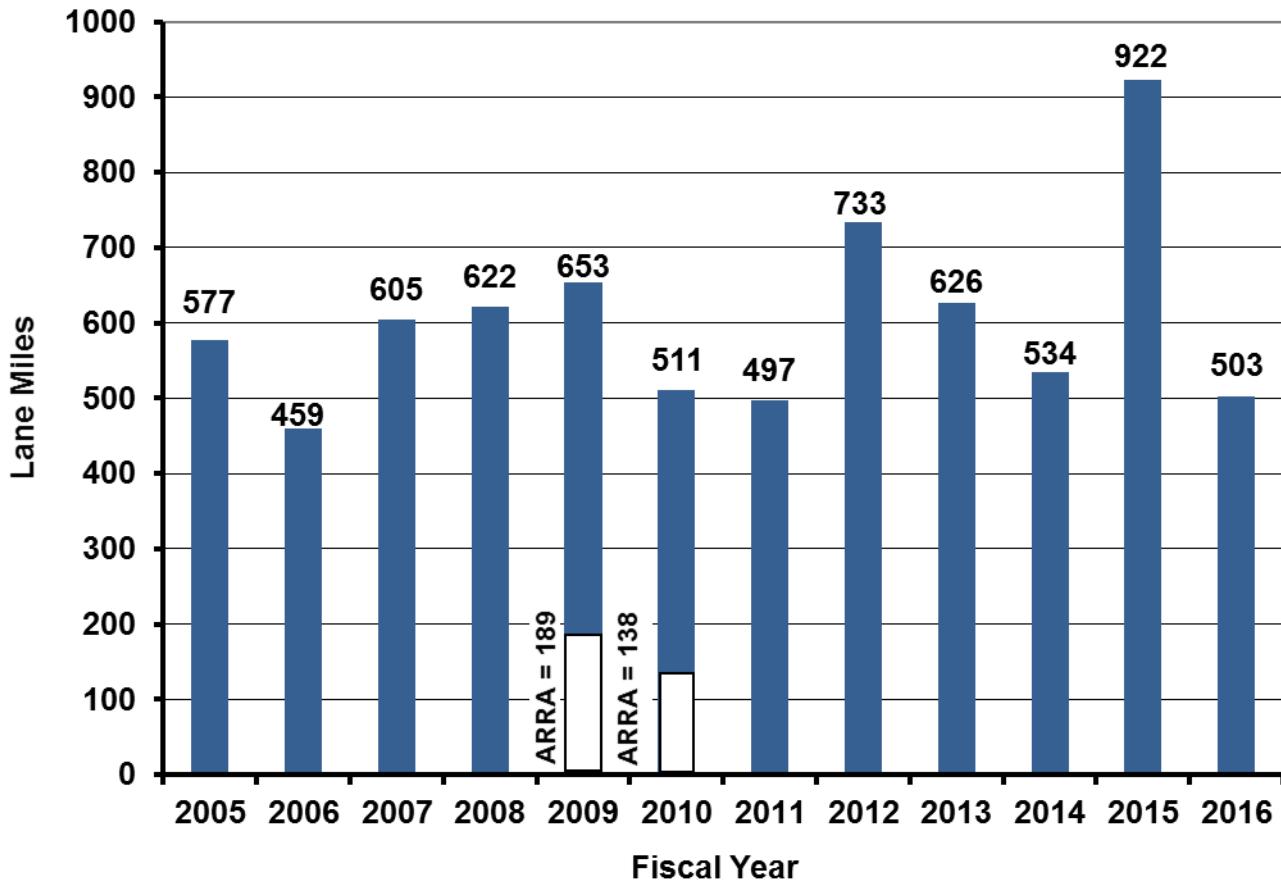
**TABLE 7**  
**Preventive Maintenance Projects Awarded in FY 2016**  
**Administered Through Operations Support Division**

Project Description	Treatment	DOT DP No.	Route	Dir B= Both	Start Mile-Post	End Mile-Post	Lane Miles	County	Cost Millions
Rt 23/202 (FHWA Pvmt Preservation Contract-North-2016-1)	High Performance Thin Overlay	15424	023 202	B B	6.76 62.95	6.82 65.10	0.6 12.4	Passaic	\$1.793
Rt 15 NB (FHWA Pvmt Preservation Contract-North-2016)	Slurry Seal	15426	015	N	2.56	14.11	26.5	Morris, Sussex	\$2.983
<b>Total</b>							<b>39.5</b>		<b>\$4.776</b>

## MULTI-YEAR SUMMARY OF MAJOR PAVEMENT WORK

Figure 4 below shows the lane miles of mainline pavement that received restoration over the last 12 fiscal years. Note that the 2013 reduction reflects the large expenditure for relatively limited lane miles on the three Route 35 reconstruction projects after Hurricane Sandy and the 2016 total was reduced due to Transportation Trust Fund funding issues.

**Figure 4**  
**NJ State Highway System**  
**Lane Miles of Major Pavement Work Completed**  
(Total system mainline lane miles = 8407)



(Note: ARRA designates work done with funding through the American Recovery and Reinvestment Act of 2009)

## **REFERENCES**

1. New Jersey Department of Transportation, *FY 2016 – 2025 Statewide Transportation Improvement Program*, October 1, 2015.
2. New Jersey Department of Transportation, *Pavement Management System*.
3. New Jersey Department of Transportation, *Transportation Capital Program, Fiscal Year 2016*, July 1, 2015.

**APPENDIX A**

**DEFICIENT PAVEMENT SECTIONS**

**NEEDING FUTURE RESTORATION**

**APPENDIX A**  
**DEFICIENT PAVEMENTS NEEDING FUTURE RESTORATION**  
**514 Candidate Projects Sorted By Benefit Rank**

**Notes:**

- (1) Candidate projects are based on 2015 Pavement Management Database. Minimum project length = 0.5 mile.
- (2) Many of the projects shown below are already programmed for future work and are in design.
- (3) AADT = Average Annual Daily Traffic. FPR = Final Pavement Rating (0-5 scale, 5 = perfect pavement).
- (4) Benefit =  $0.9(5.0 - \text{Avg FPR}) + 0.1(\text{Traffic Factor})$  and Traffic Factor =  $(5/60000)(\text{Avg AADT})$ , with Max = 5.0
- (5) For undivided routes (Dir = B): FPR and Benefit shown are the most critical set of values in either direction.
- (6) In Rte designation, L=Local, B=Business, T=Truck, U=Upper, 095M = NJDOT maintained portion of I-95.

Benefit Rank	Rte	Dir	MP Start	MP End	Center Line Length	Lane Miles	County	Avg AADT	Avg FPR	Benefit	Cost Estimate (Millions)
1	020	S	0.6	4.0	3.4	7.9	Passaic	34198	0.47	4.363	\$2.370
2	017	N	16.9	23.3	6.4	19.2	Bergen	54007	0.73	4.297	\$5.760
3	001	S	36.9	42.5	5.6	16.4	Middlesex, Union	31042	0.52	4.294	\$4.920
4	036	S	22.4	24.4	2.0	4.5	Monmouth	16900	0.45	4.235	\$1.350
5	168	B	9.8	10.8	1.0	2.5	Camden	16900	0.38	4.229	\$0.750
6	206	B	108.5	116.1	7.6	17.4	Sussex	16580	0.42	4.194	\$5.220
7	028	E	22.9	25.4	2.5	4.9	Union	13950	0.49	4.176	\$1.470
8	001	S	48.1	49.1	1.0	2.0	Essex	27782	0.63	4.162	\$0.600
9	034	N	0.0	3.4	3.4	7.2	Monmouth	18504	0.59	4.119	\$2.160
10	001L	S	45.6	47.5	1.9	3.9	Essex, Union	26822	0.70	4.097	\$1.170
11	206	B	32.6	33.4	0.8	3.2	Burlington	25804	0.58	4.085	\$0.960
12	028	W	22.9	23.7	0.8	1.5	Union	12785	0.59	4.072	\$0.450
13	001	S	49.8	51.2	1.4	4.0	Essex	27082	0.73	4.068	\$1.200
14	001	S	8.6	9.3	0.7	2.8	Mercer	40570	0.86	4.067	\$0.840
15	009W	B	0.8	11.2	10.4	27.6	Bergen	12098	0.55	4.051	\$8.280
16	028	B	19.9	22.9	3.0	6.8	Union	17338	0.61	4.023	\$2.040
17	049	B	5.7	7.5	1.8	3.6	Salem	10500	0.58	4.018	\$1.080
18	206	S	33.4	35.3	1.9	3.8	Burlington	12383	0.65	4.014	\$1.140
19	001	S	9.7	10.9	1.2	3.6	Mercer	40570	0.93	4.005	\$1.080
20	206	B	116.5	129.3	12.8	28.3	Sussex	10238	0.60	4.004	\$8.490
21	001	N	36.3	42.4	6.1	17.8	Middlesex, Union	31642	0.85	3.996	\$5.340
22	007	B	6.0	8.2	2.2	8.8	Essex	14718	0.63	3.996	\$2.640
23	130	S	72.9	78.8	5.9	11.8	Middlesex	15962	0.72	3.983	\$3.540
24	021	B	1.3	2.4	1.1	4.7	Essex	48350	0.82	3.965	\$1.410
25	028	E	6.2	6.7	0.5	1.0	Somerset	8624	0.68	3.958	\$0.300
26	009	N	114.3	116.1	1.8	4.6	Monmouth	12136	0.73	3.947	\$1.380
27	001	S	11.8	15.6	3.8	10.3	Mercer, Middlesex	29112	0.89	3.941	\$3.090
28	034	B	10.4	12.0	1.6	3.2	Monmouth	17360	0.70	3.939	\$0.960
29	280	W	2.2	3.4	1.2	2.4	Essex, Morris	34039	0.94	3.937	\$0.720
30	028	W	24.2	26.2	2.0	4.0	Union	14498	0.76	3.936	\$1.200
31	001	N	20.5	21.5	1.0	2.3	Middlesex	31223	0.93	3.926	\$0.690
32	028	B	17.3	19.6	2.3	4.6	Union	12008	0.70	3.923	\$1.380
33	159	B	0.6	1.3	0.7	1.4	Essex	18190	0.73	3.917	\$0.420
34	001	N	11.5	14.7	3.2	9.2	Mercer, Middlesex	30871	0.95	3.904	\$2.760

## DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK - CONTINUED

Benefit Rank	Rte	Dir	MP Start	MP End	Center Line Length	Lane Miles	County	Avg AADT	Avg FPR	Benefit	Cost Estimate (Millions)
35	322	E	46.0	50.1	4.1	8.2	Atlantic	12654	0.78	3.903	\$2.460
36	035	S	12.8	14.5	1.7	3.3	Ocean	10515	0.76	3.900	\$0.990
37	017	S	4.8	5.7	0.9	2.7	Bergen	25125	0.91	3.887	\$0.810
38	046	W	60.0	60.7	0.7	1.4	Passaic	42335	1.08	3.885	\$0.420
39	022	E	19.5	31.8	12.3	24.5	Hunterdon, Somerset	15324	0.83	3.883	\$7.350
40	206	B	99.5	107.7	8.2	17.8	Sussex	16234	0.77	3.877	\$5.340
41	046	W	44.2	44.8	0.6	1.2	Morris	13036	0.82	3.872	\$0.360
42	124	E	7.6	9.9	2.3	4.3	Essex	6589	0.76	3.871	\$1.290
43	017	S	17.1	19.4	2.3	6.9	Bergen	56744	1.23	3.869	\$2.070
44	022	W	46.4	46.9	0.5	1.5	Somerset	30870	0.99	3.866	\$0.450
45	022	E	36.6	44.0	7.4	15.3	Somerset	26901	0.96	3.862	\$4.590
46	015	B	17.1	19.5	2.4	4.8	Sussex	18736	0.80	3.859	\$1.440
47	009	N	116.9	122.4	5.5	11.4	Middlesex, Monmouth	28903	0.98	3.857	\$3.420
48	019	S	0.0	2.5	2.5	6.9	Passaic	18222	0.89	3.847	\$2.070
49	001L	N	50.2	51.1	0.9	1.8	Essex	24294	0.97	3.825	\$0.540
50	031	B	47.5	48.9	1.4	2.8	Warren	10318	0.80	3.824	\$0.840
51	070	E	4.0	5.7	1.7	4.5	Camden	29272	1.02	3.823	\$1.350
52	032	E	0.3	1.2	0.9	1.8	Middlesex	13157	0.88	3.822	\$0.540
53	676	S	0.0	0.7	0.7	2.0	Camden	34460	1.07	3.822	\$0.600
54	035	N	0.7	1.6	0.9	1.8	Ocean	3330	0.79	3.821	\$0.540
55	034	N	4.2	7.7	3.5	7.0	Monmouth	13528	0.88	3.819	\$2.100
56	078L	W	50.7	52.6	1.9	5.7	Union	39525	1.13	3.812	\$1.710
57	206	S	30.4	31.1	0.7	1.4	Burlington	8543	0.86	3.800	\$0.420
58	024	E	5.8	7.1	1.3	3.0	Essex, Morris	45510	1.21	3.795	\$0.900
59	017	S	7.6	8.6	1.0	2.9	Bergen	39262	1.15	3.788	\$0.870
60	046	B	69.2	70.1	0.9	3.8	Bergen	36924	0.97	3.778	\$1.140
61	046	W	45.3	46.5	1.2	3.5	Morris	17180	0.96	3.776	\$1.050
62	023	B	3.9	4.8	0.9	2.8	Essex, Passaic	23544	0.92	3.773	\$0.840
63	124	E	11.3	12.5	1.2	2.4	Union	6588	0.88	3.767	\$0.720
64	070	E	53.3	54.4	1.1	1.9	Ocean	15713	0.96	3.766	\$0.570
65	036	N	22.3	24.4	2.1	4.4	Monmouth	16896	0.97	3.764	\$1.320
66	021	B	3.1	4.0	0.9	3.6	Essex	74248	1.16	3.763	\$1.080
67	093	B	0.0	3.5	3.5	8.1	Bergen	21712	0.92	3.759	\$2.430
68	124	B	4.8	6.2	1.4	2.8	Morris	15340	0.90	3.758	\$0.840
69	009	B	55.3	65.9	10.6	21.2	Burlington, Ocean	11344	0.88	3.755	\$6.360
70	018	N	29.5	40.8	11.3	28.2	Middlesex, Monmouth	28710	1.10	3.752	\$8.460
71	206	B	85.0	87.1	2.1	5.1	Morris	19752	0.93	3.745	\$1.530
72	322	W	46.0	49.9	3.9	7.8	Atlantic	12606	0.96	3.744	\$2.340
73	070	E	0.4	3.5	3.1	8.4	Camden	25876	1.08	3.742	\$2.520
74	009	S	112.4	113.3	0.9	2.3	Monmouth	23692	1.06	3.740	\$0.690
75	206	B	56.7	60.5	3.8	8.0	Mercer, Somerset	18452	0.93	3.736	\$2.400

**DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED**

<b>Benefit Rank</b>	<b>Rte</b>	<b>Dir</b>	<b>MP Start</b>	<b>MP End</b>	<b>Center Line Length</b>	<b>Lane Miles</b>	<b>County</b>	<b>Avg AADT</b>	<b>Avg FPR</b>	<b>Benefit</b>	<b>Cost Estimate (Millions)</b>
76	001	B	61.7	62.8	1.1	3.5	Bergen	37628	1.03	3.733	\$1.050
77	030	B	18.4	29.7	11.3	45.2	Atlantic, Camden	11498	0.91	3.728	\$13.560
78	080	E	53.1	53.8	0.7	2.2	Passaic	58314	1.40	3.727	\$0.660
79	130	S	62.6	66.4	3.8	7.6	Mercer	14762	1.00	3.726	\$2.280
80	009	N	107.4	111.7	4.3	9.0	Monmouth	23633	1.08	3.722	\$2.700
81	130	N	43.4	51.3	7.9	19.1	Burlington	17248	1.02	3.722	\$5.730
82	009	S	110.4	111.8	1.4	2.8	Monmouth	25042	1.10	3.720	\$0.840
83	045	B	18.5	22.7	4.2	8.5	Gloucester	15584	0.94	3.717	\$2.550
84	028	B	3.0	6.2	3.2	6.8	Somerset	13046	0.93	3.714	\$2.040
85	040	B	14.0	15.0	1.0	2.0	Salem	12132	0.93	3.712	\$0.600
86	034	B	13.2	26.6	13.4	30.3	Middlesex, Monmouth	15478	0.95	3.712	\$9.090
87	206	B	44.7	47.8	3.1	6.7	Mercer	13440	0.94	3.710	\$2.010
88	028	B	6.7	8.4	1.7	5.5	Middlesex, Somerset	15966	0.96	3.704	\$1.650
89	168	S	0.0	0.7	0.7	1.4	Gloucester	5394	0.93	3.704	\$0.420
90	130	N	62.8	67.1	4.3	8.8	Mercer	14737	1.03	3.698	\$2.640
91	009	S	130.9	131.8	0.9	2.7	Middlesex	37872	1.24	3.698	\$0.810
92	070	E	55.0	58.8	3.8	5.4	Monmouth, Ocean	14759	1.03	3.697	\$1.620
93	439	B	3.3	4.0	0.7	1.8	Union	23462	1.00	3.695	\$0.540
94	001	S	54.2	55.1	0.9	1.8	Hudson	28496	1.16	3.691	\$0.540
95	168	N	0.0	0.7	0.7	1.4	Gloucester	5394	0.95	3.686	\$0.420
96	024	E	7.6	10.4	2.8	7.8	Essex, Union	50245	1.38	3.681	\$2.340
97	001	N	32.3	34.5	2.2	6.3	Middlesex	42519	1.31	3.673	\$1.890
98	001	S	27.3	29.8	2.5	7.7	Middlesex	44785	1.34	3.671	\$2.310
99	166	B	1.1	2.3	1.2	2.3	Ocean	23895	1.03	3.671	\$0.690
100	130	N	41.0	42.5	1.5	4.5	Burlington	20216	1.11	3.670	\$1.350
101	322	B	17.8	24.1	6.3	12.6	Gloucester	13164	0.98	3.669	\$3.780
102	001	N	16.1	17.2	1.1	2.7	Middlesex	26891	1.17	3.667	\$0.810
103	036	B	8.1	9.4	1.3	2.6	Monmouth	12828	1.00	3.657	\$0.780
104	109	B	1.3	1.9	0.6	2.0	Cape May	15750	1.01	3.657	\$0.600
105	287	N	42.4	45.0	2.6	7.8	Morris	42859	1.34	3.651	\$2.340
106	018	S	30.3	38.2	7.9	19.1	Middlesex	25908	1.19	3.649	\$5.730
107	056	B	0.0	4.8	4.8	10.0	Cumberland	8738	0.99	3.646	\$3.000
108	067	B	0.0	1.8	1.8	7.2	Bergen	21652	1.05	3.645	\$2.160
109	027	B	34.4	38.3	3.9	15.6	Essex, Union	13608	1.02	3.643	\$4.680
110	001	B	57.4	61.6	4.2	16.8	Bergen, Hudson	29798	1.09	3.642	\$5.040
111	042	S	3.5	6.3	2.8	10.9	Gloucester	20301	1.14	3.641	\$3.270
112	130	N	81.6	82.3	0.7	1.4	Middlesex	22766	1.17	3.638	\$0.420
113	208	S	3.7	4.6	0.9	1.8	Passaic	36518	1.30	3.638	\$0.540
114	206	B	65.9	68.5	2.6	5.2	Somerset	29652	1.10	3.638	\$1.560
115	070	W	4.8	7.2	2.4	6.6	Camden	28137	1.22	3.638	\$1.980
116	168	S	8.7	9.7	1.0	2.6	Camden	9365	1.05	3.637	\$0.780

**DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED**

<b>Benefit Rank</b>	<b>Rte</b>	<b>Dir</b>	<b>MP Start</b>	<b>MP End</b>	<b>Center Line Length</b>	<b>Lane Miles</b>	<b>County</b>	<b>Avg AADT</b>	<b>Avg FPR</b>	<b>Benefit</b>	<b>Cost Estimate (Millions)</b>
117	030	E	36.6	40.5	3.9	7.8	Atlantic	8753	1.04	3.637	\$2.340
118	181	B	0.0	5.8	5.8	14.2	Morris, Sussex	6260	0.99	3.637	\$4.260
119	046	E	70.8	72.1	1.3	2.6	Bergen	36160	1.30	3.634	\$0.780
120	070	W	57.8	59.8	2.0	2.5	Monmouth, Ocean	13765	1.10	3.624	\$0.750
121	001	N	50.0	54.5	4.5	9.0	Essex, Hudson	29711	1.25	3.623	\$2.700
122	071	B	7.7	10.5	2.8	9.0	Monmouth	12168	1.03	3.619	\$2.700
123	287	N	31.0	35.5	4.5	13.5	Morris	28333	1.25	3.612	\$4.050
124	033	B	36.4	36.9	0.5	2.0	Monmouth	20908	1.08	3.612	\$0.600
125	046	W	67.0	69.2	2.2	5.4	Bergen	25266	1.23	3.607	\$1.620
126	070	W	49.9	50.6	0.7	1.4	Ocean	14343	1.13	3.607	\$0.420
127	046	E	66.8	69.2	2.4	5.8	Bergen	25425	1.23	3.606	\$1.740
128	045	B	25.7	27.3	1.6	4.2	Gloucester	12344	1.05	3.604	\$1.260
129	206	B	6.3	11.3	5.0	10.2	Burlington	9122	1.04	3.602	\$3.060
130	035	B	56.6	58.0	1.4	5.6	Middlesex	22972	1.11	3.600	\$1.680
131	009	N	112.6	113.1	0.5	1.0	Monmouth	23692	1.23	3.592	\$0.300
132	049	B	18.9	21.1	2.2	4.4	Cumberland	4182	1.04	3.577	\$1.320
133	015	B	0.0	2.0	2.0	4.8	Morris	24916	1.14	3.576	\$1.440
134	009	B	95.1	102.1	7.0	14.7	Ocean	22768	1.13	3.574	\$4.410
135	009	B	4.0	7.0	3.0	6.4	Cape May	9704	1.08	3.569	\$1.920
136	001	N	3.9	5.5	1.6	3.2	Mercer	18991	1.22	3.560	\$0.960
137	040	W	5.0	5.7	0.7	1.2	Salem	7399	1.12	3.557	\$0.360
138	019	N	0.1	1.2	1.1	2.6	Passaic	16103	1.20	3.557	\$0.780
139	004	E	0.1	2.3	2.2	4.6	Bergen	22051	1.26	3.553	\$1.380
140	010	W	5.0	7.2	2.2	4.7	Morris	20461	1.24	3.551	\$1.410
141	022	W	37.7	38.3	0.6	1.2	Somerset	26795	1.30	3.551	\$0.360
142	049	B	21.7	24.3	2.6	5.2	Cumberland	11554	1.11	3.545	\$1.560
143	030	B	46.8	48.9	2.1	8.4	Atlantic	19820	1.16	3.541	\$2.520
144	080	E	60.7	61.5	0.8	3.2	Bergen	57771	1.61	3.531	\$0.960
145	001	N	6.5	9.3	2.8	7.8	Mercer	37679	1.43	3.526	\$2.340
146	082	B	0.0	0.5	0.5	2.0	Union	13790	1.15	3.525	\$0.600
147	070	W	44.3	44.8	0.5	0.9	Ocean	8812	1.17	3.524	\$0.270
148	049	B	37.7	53.8	16.1	32.2	Atlantic, Cape May, Cumberland	6690	1.12	3.523	\$9.660
149	022	E	47.8	49.0	1.2	2.4	Union	24577	1.31	3.522	\$0.720
150	030	B	4.3	7.0	2.7	5.4	Camden	28614	1.22	3.520	\$1.620
151	046	E	51.0	52.6	1.6	3.2	Essex, Morris	18621	1.26	3.519	\$0.960
152	206	S	47.8	48.3	0.5	0.5	Mercer	8220	1.17	3.517	\$0.150
153	007	B	1.6	5.2	3.6	8.3	Bergen, Hudson	18850	1.18	3.513	\$2.490
154	166	B	0.2	0.9	0.7	1.4	Ocean	24898	1.21	3.511	\$0.420
155	082	B	0.9	2.2	1.3	5.2	Union	25864	1.22	3.509	\$1.560
156	031	B	34.4	38.1	3.7	7.4	Hunterdon	24282	1.22	3.504	\$2.220

**DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED**

<b>Benefit Rank</b>	<b>Rte</b>	<b>Dir</b>	<b>MP Start</b>	<b>MP End</b>	<b>Center Line Length</b>	<b>Lane Miles</b>	<b>County</b>	<b>Avg AADT</b>	<b>Avg FPR</b>	<b>Benefit</b>	<b>Cost Estimate (Millions)</b>
157	004	W	0.0	2.0	2.0	4.0	Bergen, Passaic	20260	1.30	3.502	\$1.200
158	020	N	0.8	4.0	3.2	7.2	Passaic	33737	1.42	3.502	\$2.160
159	287	N	28.2	30.5	2.3	6.9	Morris, Somerset	32460	1.41	3.498	\$2.070
160	031	B	38.6	46.0	7.4	18.5	Hunterdon, Warren	15872	1.19	3.494	\$5.550
161	287	S	22.7	28.2	5.5	11.0	Somerset	38607	1.48	3.493	\$3.300
162	159	E	0.1	0.6	0.5	0.9	Essex, Morris	9095	1.20	3.491	\$0.270
163	094	B	28.1	32.8	4.7	9.4	Sussex	11320	1.17	3.491	\$2.820
164	070	W	8.6	9.3	0.7	1.8	Burlington	16722	1.28	3.488	\$0.540
165	017	S	23.7	26.4	2.7	8.1	Bergen	46443	1.56	3.484	\$2.430
166	001	S	3.7	5.5	1.8	3.6	Mercer	18740	1.32	3.469	\$1.080
167	091	B	0.2	2.3	2.1	4.2	Middlesex	14700	1.22	3.467	\$1.260
168	053	B	1.9	4.5	2.6	5.2	Morris	15174	1.22	3.467	\$1.560
169	202	S	6.9	11.4	4.5	9.4	Hunterdon	18440	1.32	3.467	\$2.820
170	034	S	0.0	2.8	2.8	5.6	Monmouth	18791	1.33	3.464	\$1.680
171	072	E	21.9	26.6	4.7	10.1	Ocean	14930	1.29	3.463	\$3.030
172	004	W	5.4	10.7	5.3	14.4	Bergen	47639	1.59	3.463	\$4.320
173	130	N	78.7	81.0	2.3	4.6	Middlesex	17002	1.31	3.463	\$1.380
174	027	S	33.4	33.9	0.5	1.0	Union	6846	1.22	3.458	\$0.300
175	070	W	55.7	57.0	1.3	1.4	Ocean	15214	1.30	3.456	\$0.420
176	322	E	24.7	25.9	1.2	2.4	Gloucester	10839	1.26	3.454	\$0.720
177	078	E	5.5	6.0	0.5	1.5	Warren	42828	1.56	3.453	\$0.450
178	033	B	38.0	39.8	1.8	7.2	Monmouth	19486	1.26	3.450	\$2.160
179	130	N	33.9	36.4	2.5	7.5	Burlington, Camden	20984	1.36	3.449	\$2.250
180	040	B	60.4	61.6	1.2	4.8	Atlantic	29768	1.31	3.447	\$1.440
181	287	N	45.7	47.0	1.3	3.9	Morris	39923	1.54	3.446	\$1.170
182	130	S	67.4	69.8	2.4	5.2	Mercer	14079	1.31	3.437	\$1.560
183	082	W	2.2	2.7	0.5	1.0	Union	14931	1.32	3.435	\$0.300
184	130	N	25.9	27.0	1.1	2.8	Camden	14406	1.32	3.434	\$0.840
185	001	S	34.0	34.5	0.5	1.0	Middlesex	32962	1.49	3.430	\$0.300
186	035	B	52.2	56.2	4.0	16.0	Middlesex	20552	1.29	3.427	\$4.800
187	033	B	1.4	5.0	3.6	10.3	Mercer	15234	1.26	3.426	\$3.090
188	033	E	28.9	30.0	1.1	1.5	Monmouth	8695	1.27	3.425	\$0.450
189	030	B	42.3	46.1	3.8	15.2	Atlantic	17540	1.28	3.425	\$4.560
190	045	B	9.4	17.5	8.1	16.2	Gloucester, Salem	5894	1.22	3.425	\$4.860
191	057	B	0.1	3.1	3.0	6.0	Warren	12846	1.26	3.424	\$1.800
192	094	B	0.8	22.5	21.7	43.4	Sussex, Warren	6432	1.23	3.422	\$13.020
193	009	N	131.1	131.9	0.8	1.6	Middlesex	37631	1.55	3.421	\$0.480
194	055	S	57.9	60.4	2.5	4.9	Gloucester	29832	1.48	3.421	\$1.470
195	082	B	4.1	4.8	0.7	2.8	Union	28902	1.34	3.416	\$0.840
196	040	E	61.6	63.6	2.0	4.0	Atlantic	16674	1.36	3.415	\$1.200

## DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED

Benefit Rank	Rte	Dir	MP Start	MP End	Center Line Length	Lane Miles	County	Avg AADT	Avg FPR	Benefit	Cost Estimate (Millions)
197	037	E	6.3	13.0	6.7	20.1	Ocean	14976	1.34	3.415	\$6.030
198	035	B	29.6	34.5	4.9	17.6	Monmouth	32306	1.36	3.414	\$5.280
199	041	B	0.0	1.9	1.9	3.8	Gloucester	13946	1.28	3.409	\$1.140
200	082	E	2.3	2.8	0.5	1.0	Union	14931	1.36	3.404	\$0.300
201	202	B	31.5	32.9	1.4	3.1	Somerset	13474	1.28	3.404	\$0.930
202	322	B	16.8	17.4	0.6	1.2	Gloucester	15916	1.29	3.403	\$0.360
203	022	E	2.7	3.3	0.6	1.2	Warren	18065	1.39	3.403	\$0.360
204	055	S	54.0	55.0	1.0	2.0	Gloucester	22395	1.43	3.402	\$0.600
205	007	B	9.3	10.0	0.7	1.4	Essex	12536	1.28	3.401	\$0.420
206	070	W	0.3	3.8	3.5	9.5	Camden	25836	1.46	3.401	\$2.850
207	130	B	0.2	8.9	8.7	17.4	Gloucester, Salem	8450	1.26	3.401	\$5.220
208	035	B	22.6	23.3	0.7	1.4	Monmouth	21224	1.32	3.400	\$0.420
209	027	B	0.3	1.4	1.1	2.2	Mercer	12338	1.28	3.399	\$0.660
210	130	S	10.5	11.7	1.2	2.4	Gloucester	4852	1.27	3.396	\$0.720
211	439	B	0.0	1.3	1.3	3.5	Union	21920	1.33	3.394	\$1.050
212	124	W	11.4	12.2	0.8	1.6	Union	6588	1.29	3.393	\$0.480
213	130	S	36.4	54.7	18.3	47.3	Burlington	17932	1.40	3.389	\$14.190
214	439	B	2.0	3.1	1.1	3.9	Union	22216	1.34	3.388	\$1.170
215	046	W	71.4	72.1	0.7	1.7	Bergen	31959	1.53	3.386	\$0.510
216	012	B	0.9	2.1	1.2	3.6	Hunterdon	5326	1.27	3.379	\$1.080
217	027	B	20.9	23.8	2.9	5.9	Middlesex	19262	1.34	3.375	\$1.770
218	031	B	1.2	16.2	15.0	41.0	Hunterdon, Mercer	19342	1.34	3.374	\$12.300
219	010	E	0.9	7.1	6.2	12.6	Morris	17381	1.42	3.370	\$3.780
220	030	E	2.2	3.6	1.4	4.5	Camden	34707	1.58	3.370	\$1.350
221	206	B	87.5	88.2	0.7	2.0	Morris	19752	1.35	3.369	\$0.600
222	029	B	20.4	21.5	1.1	2.2	Hunterdon	6054	1.29	3.368	\$0.660
223	022	E	3.9	4.5	0.6	1.2	Warren	18125	1.43	3.367	\$0.360
224	046	B	0.8	6.8	6.0	12.4	Warren	8548	1.31	3.360	\$3.720
225	044	B	0.0	9.3	9.3	19.0	Gloucester	3858	1.28	3.360	\$5.700
226	202	N	7.1	11.5	4.4	8.8	Hunterdon	18414	1.44	3.356	\$2.640
227	046	E	47.1	48.0	0.9	1.8	Morris	17180	1.43	3.355	\$0.540
228	009	S	114.5	115.8	1.3	3.2	Monmouth	11973	1.39	3.353	\$0.960
229	033	W	34.7	35.9	1.2	1.9	Monmouth	4671	1.32	3.353	\$0.570
230	009	B	34.7	52.4	17.7	35.9	Atlantic	9942	1.32	3.351	\$10.770
231	028	B	2.3	2.8	0.5	1.2	Somerset	12560	1.34	3.348	\$0.360
232	015	S	3.1	8.8	5.7	12.6	Morris	23135	1.50	3.344	\$3.780
233	206	B	21.8	30.4	8.6	24.7	Burlington	15422	1.36	3.344	\$7.410
234	046	B	7.5	10.0	2.5	5.0	Warren	7856	1.32	3.342	\$1.500
235	050	B	19.1	23.4	4.3	8.9	Atlantic	7362	1.32	3.339	\$2.670
236	130	N	67.8	70.2	2.4	4.8	Mercer, Middlesex	12796	1.41	3.338	\$1.440
237	130	S	59.8	60.7	0.9	1.8	Mercer	15348	1.44	3.336	\$0.540
238	048	B	2.4	3.1	0.7	1.4	Salem	3092	1.31	3.336	\$0.420
239	070	B	20.8	32.0	11.2	22.4	Burlington	11408	1.35	3.333	\$6.720

## DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED

Benefit Rank	Rte	Dir	MP Start	MP End	Center Line Length	Lane Miles	County	Avg AADT	Avg FPR	Benefit	Cost Estimate (Millions)
240	070	B	44.8	49.5	4.7	9.4	Ocean	24408	1.41	3.332	\$2.820
241	095M	S	1.5	2.3	0.8	2.4	Mercer	26892	1.55	3.330	\$0.720
242	070	B	18.7	20.1	1.4	2.8	Burlington	16364	1.38	3.329	\$0.840
243	109	S	1.5	2.5	1.0	1.8	Cape May	8597	1.38	3.327	\$0.540
244	047	B	53.0	59.7	6.7	13.4	Gloucester	8602	1.34	3.326	\$4.020
245	040	B	8.2	9.1	0.9	1.8	Salem	16280	1.38	3.325	\$0.540
246	042	S	0.0	0.8	0.8	3.1	Gloucester	14215	1.44	3.322	\$0.930
247	023	B	1.9	3.1	1.2	4.4	Essex	20036	1.40	3.320	\$1.320
248	171	B	0.5	1.3	0.8	2.2	Middlesex	14718	1.38	3.317	\$0.660
249	088	B	0.0	2.0	2.0	4.0	Ocean	22242	1.42	3.313	\$1.200
250	124	B	10.0	11.3	1.3	4.9	Essex, Union	13176	1.38	3.313	\$1.470
251	031	S	31.8	34.4	2.6	5.2	Hunterdon	16425	1.48	3.307	\$1.560
252	040	B	21.8	22.6	0.8	1.6	Salem	9976	1.37	3.305	\$0.480
253	024	W	1.9	4.7	2.8	5.6	Morris	44452	1.74	3.303	\$1.680
254	175	B	0.3	3.0	2.7	5.4	Mercer	1742	1.34	3.300	\$1.620
255	322	B	30.6	36.8	6.2	24.9	Atlantic, Gloucester	12100	1.39	3.300	\$7.470
256	022	E	57.7	59.6	1.9	3.8	Essex, Union	22557	1.55	3.296	\$1.140
257	046	W	48.0	52.5	4.5	8.6	Essex, Morris	18196	1.51	3.294	\$2.580
258	440	N	21.4	22.7	1.3	2.4	Hudson	20383	1.54	3.286	\$0.720
259	079	B	9.8	12.1	2.3	4.6	Monmouth	10908	1.40	3.283	\$1.380
260	024	W	5.2	6.7	1.5	3.1	Essex, Morris	45348	1.77	3.282	\$0.930
261	206	B	12.0	21.5	9.5	21.1	Burlington	14044	1.42	3.282	\$6.330
262	157	B	0.1	0.8	0.7	1.4	Atlantic	9196	1.40	3.281	\$0.420
263	070	B	36.5	44.3	7.8	15.6	Ocean	15674	1.43	3.280	\$4.680
264	130	N	72.8	76.7	3.9	8.1	Middlesex	15167	1.50	3.280	\$2.430
265	206	B	48.3	54.0	5.7	12.0	Mercer	15626	1.43	3.279	\$3.600
266	049	B	31.4	37.3	5.9	11.8	Cumberland	12574	1.42	3.278	\$3.540
267	023	B	0.2	0.7	0.5	2.0	Essex	17568	1.44	3.275	\$0.600
268	202	N	14.3	19.3	5.0	10.0	Hunterdon, Somerset	15983	1.51	3.273	\$3.000
269	072	B	18.5	21.2	2.7	5.7	Ocean	13608	1.43	3.271	\$1.710
270	072	B	8.2	13.0	4.8	9.6	Burlington, Ocean	6812	1.40	3.270	\$2.880
271	130	S	25.2	29.1	3.9	10.9	Camden, Gloucester	17306	1.53	3.269	\$3.270
272	017	N	4.9	5.8	0.9	2.7	Bergen	26520	1.62	3.263	\$0.810
273	018	N	25.2	29.1	3.9	7.8	Monmouth	21629	1.58	3.262	\$2.340
274	010	B	22.8	23.4	0.6	2.4	Essex	9382	1.42	3.260	\$0.720
275	202	N	30.0	31.5	1.5	3.0	Somerset	6737	1.44	3.257	\$0.900
276	015	N	7.0	10.5	3.5	8.2	Morris, Sussex	20236	1.57	3.253	\$2.460
277	070	B	10.0	11.0	1.0	2.0	Burlington	24610	1.50	3.252	\$0.600
278	202	B	26.3	28.6	2.3	4.6	Somerset	29224	1.53	3.249	\$1.380
279	109	B	2.5	3.1	0.6	1.2	Cape May	18476	1.48	3.248	\$0.360
280	022	W	39.8	42.1	2.3	4.6	Somerset	24705	1.63	3.240	\$1.380
281	009	B	23.9	30.5	6.6	13.2	Cape May	7954	1.44	3.235	\$3.960

## DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED

Benefit Rank	Rte	Dir	MP Start	MP End	Center Line Length	Lane Miles	County	Avg AADT	Avg FPR	Benefit	Cost Estimate (Millions)
282	202	B	36.3	39.0	2.7	5.4	Somerset	8612	1.45	3.234	\$1.620
283	037	E	4.8	5.3	0.5	1.5	Ocean	17956	1.58	3.232	\$0.450
284	033	E	15.4	24.3	8.9	17.8	Mercer, Middlesex, Monmouth	14668	1.55	3.231	\$5.340
285	077	B	10.7	20.3	9.6	19.2	Gloucester, Salem	5402	1.44	3.229	\$5.760
286	055	S	55.8	57.1	1.3	2.6	Gloucester	27966	1.67	3.228	\$0.780
287	027	B	17.1	17.6	0.5	1.1	Middlesex	17778	1.50	3.228	\$0.330
288	042	N	2.7	6.2	3.5	7.0	Gloucester	19390	1.59	3.227	\$2.100
289	070	E	44.3	44.8	0.5	1.0	Ocean	8812	1.50	3.226	\$0.300
290	046	W	32.2	33.1	0.9	1.8	Morris	15373	1.56	3.225	\$0.540
291	022	W	1.2	2.9	1.7	4.2	Warren	19264	1.60	3.225	\$1.260
292	094	B	37.5	45.9	8.4	16.8	Sussex	9560	1.46	3.224	\$5.040
293	018	S	11.3	13.0	1.7	3.4	Monmouth	21714	1.62	3.221	\$1.020
294	440	S	23.2	25.0	1.8	3.9	Hudson	28444	1.68	3.221	\$1.170
295	202	S	30.0	31.5	1.5	2.7	Somerset	6737	1.49	3.219	\$0.810
296	046	E	32.2	33.3	1.1	2.0	Morris	15404	1.57	3.219	\$0.600
297	206	B	78.7	81.0	2.3	5.5	Somerset	24420	1.54	3.213	\$1.650
298	022	W	47.5	49.1	1.6	3.2	Union	24783	1.66	3.213	\$0.960
299	055	S	48.0	51.3	3.3	6.6	Gloucester	22048	1.63	3.213	\$1.980
300	036	N	0.1	1.4	1.3	3.5	Monmouth	16463	1.58	3.211	\$1.050
301	109	N	1.5	2.5	1.0	2.0	Cape May	8597	1.51	3.209	\$0.600
302	440	N	19.5	20.3	0.8	1.6	Hudson	27072	1.69	3.207	\$0.480
303	079	B	2.2	4.6	2.4	4.8	Monmouth	17196	1.52	3.207	\$1.440
304	005	B	0.3	3.1	2.8	6.8	Bergen	9772	1.48	3.205	\$2.040
305	001B	N	0.4	1.6	1.2	2.6	Mercer	9446	1.53	3.202	\$0.780
306	022	W	25.5	31.0	5.5	11.0	Hunterdon, Somerset	15822	1.59	3.198	\$3.300
307	206	S	81.0	81.5	0.5	1.0	Somerset	12109	1.56	3.197	\$0.300
308	033	B	31.2	31.9	0.7	1.4	Monmouth	17562	1.53	3.197	\$0.420
309	009	B	81.5	90.5	9.0	19.8	Ocean	20550	1.54	3.197	\$5.940
310	076	S	1.4	2.0	0.6	2.8	Camden	79783	2.00	3.197	\$0.840
311	206	B	0.8	3.5	2.7	5.4	Atlantic	8818	1.50	3.190	\$1.620
312	023	B	27.1	35.4	8.3	18.2	Sussex	19864	1.55	3.190	\$5.460
313	001T	E	0.9	2.5	1.6	4.4	Hudson	33067	1.76	3.190	\$1.320
314	129	S	0.3	1.4	1.1	2.2	Mercer	12323	1.57	3.188	\$0.660
315	028	B	9.9	12.4	2.5	6.6	Middlesex	15692	1.53	3.186	\$1.980
316	001T	W	0.0	3.7	3.7	8.4	Essex, Hudson	33475	1.77	3.182	\$2.520
317	038	B	16.8	18.4	1.6	6.4	Burlington	30168	1.61	3.181	\$1.920
318	050	N	23.4	24.1	0.7	1.3	Atlantic	3530	1.50	3.180	\$0.390
319	035	S	35.6	39.3	3.7	7.8	Monmouth	16211	1.62	3.178	\$2.340
320	046	B	17.2	21.7	4.5	9.7	Warren	12048	1.52	3.178	\$2.910
321	038	E	0.1	2.7	2.6	6.4	Camden	31027	1.76	3.178	\$1.920
322	022	W	44.4	46.0	1.6	4.7	Somerset	33312	1.78	3.176	\$1.410

**DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED**

<b>Benefit Rank</b>	<b>Rte</b>	<b>Dir</b>	<b>MP Start</b>	<b>MP End</b>	<b>Center Line Length</b>	<b>Lane Miles</b>	<b>County</b>	<b>Avg AADT</b>	<b>Avg FPR</b>	<b>Benefit</b>	<b>Cost Estimate (Millions)</b>
323	050	B	0.0	8.5	8.5	17.0	Atlantic, Cape May	6774	1.50	3.175	\$5.100
324	040	W	54.0	57.6	3.6	7.2	Atlantic	16630	1.63	3.171	\$2.160
325	040	B	11.3	13.3	2.0	4.0	Salem	12944	1.54	3.170	\$1.200
326	046	W	64.1	64.7	0.6	1.2	Bergen	29569	1.76	3.165	\$0.360
327	206	B	81.5	82.3	0.8	1.8	Somerset	21512	1.59	3.163	\$0.540
328	026	B	0.9	2.5	1.6	5.4	Middlesex	16732	1.57	3.160	\$1.620
329	036	N	5.8	6.4	0.6	1.2	Monmouth	9182	1.58	3.150	\$0.360
330	047	B	62.3	69.1	6.8	15.1	Gloucester	10818	1.56	3.144	\$4.530
331	045	S	22.7	24.7	2.0	4.0	Gloucester	7178	1.57	3.143	\$1.200
332	040	E	52.2	52.8	0.6	1.2	Atlantic	16862	1.66	3.142	\$0.360
333	009	B	15.2	16.1	0.9	1.8	Cape May	9422	1.55	3.141	\$0.540
334	057	B	4.0	15.3	11.3	22.9	Warren	13016	1.57	3.140	\$6.870
335	010	B	19.0	21.0	2.0	7.0	Essex	15828	1.59	3.137	\$2.100
336	140	B	0.0	0.5	0.5	1.0	Salem	5646	1.54	3.136	\$0.300
337	083	B	0.3	3.8	3.5	7.0	Cape May	5074	1.54	3.135	\$2.100
338	038	E	3.3	7.5	4.2	9.7	Burlington, Camden	22380	1.72	3.134	\$2.910
339	046	E	60.4	61.4	1.0	2.0	Passaic	40163	1.89	3.132	\$0.600
340	070	E	8.9	10.0	1.1	2.1	Burlington	14609	1.66	3.131	\$0.630
341	078	E	47.3	48.0	0.7	2.1	Union	58602	2.06	3.130	\$0.630
342	040	B	31.4	32.4	1.0	2.0	Gloucester	8200	1.57	3.117	\$0.600
343	046	E	44.2	46.2	2.0	4.6	Morris	15937	1.69	3.116	\$1.380
344	028	B	0.2	1.9	1.7	3.4	Somerset	16230	1.62	3.111	\$1.020
345	168	B	3.0	3.6	0.6	1.2	Camden	12430	1.60	3.110	\$0.360
346	077	B	7.4	8.0	0.6	1.2	Cumberland	6054	1.57	3.109	\$0.360
347	046	E	58.1	58.6	0.5	1.5	Passaic	62862	2.10	3.107	\$0.450
348	072	B	6.5	7.3	0.8	1.6	Burlington	6192	1.58	3.104	\$0.480
349	033	W	23.2	24.0	0.8	1.6	Monmouth	14589	1.69	3.102	\$0.480
350	440	N	23.4	24.1	0.7	1.4	Hudson	28444	1.82	3.102	\$0.420
351	038	W	0.1	8.3	8.2	19.5	Burlington, Camden	25441	1.79	3.098	\$5.850
352	202	B	40.3	46.7	6.4	14.7	Morris	12284	1.62	3.091	\$4.410
353	009	B	18.7	23.4	4.7	9.4	Cape May	8128	1.61	3.088	\$2.820
354	094	B	25.0	27.7	2.7	5.4	Sussex	11208	1.63	3.080	\$1.620
355	001	S	25.3	26.1	0.8	2.4	Middlesex	53941	2.08	3.078	\$0.720
356	033B	B	2.4	6.6	4.2	8.8	Monmouth	10262	1.63	3.075	\$2.640
357	030	B	31.1	32.3	1.2	4.8	Atlantic	12398	1.64	3.075	\$1.440
358	022	E	55.5	56.8	1.3	2.7	Union	33241	1.89	3.072	\$0.810
359	077	B	20.8	22.6	1.8	3.6	Gloucester	7604	1.62	3.072	\$1.080
360	072	W	25.1	26.2	1.1	2.2	Ocean	9466	1.68	3.070	\$0.660
361	079	B	0.1	1.8	1.7	3.4	Monmouth	16232	1.67	3.067	\$1.020
362	046	B	24.5	26.7	2.2	8.8	Morris	25538	1.71	3.064	\$2.640
363	130	N	53.0	56.5	3.5	7.7	Burlington	11922	1.71	3.064	\$2.310
364	040	E	56.4	57.2	0.8	1.6	Atlantic	16734	1.76	3.055	\$0.480
365	030	W	56.0	57.0	1.0	2.7	Atlantic	21355	1.80	3.054	\$0.810

**DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED**

<b>Benefit Rank</b>	<b>Rte</b>	<b>Dir</b>	<b>MP Start</b>	<b>MP End</b>	<b>Center Line Length</b>	<b>Lane Miles</b>	<b>County</b>	<b>Avg AADT</b>	<b>Avg FPR</b>	<b>Benefit</b>	<b>Cost Estimate (Millions)</b>
366	040	B	19.6	20.1	0.5	1.0	Salem	9976	1.65	3.052	\$0.300
367	031	B	22.0	25.2	3.2	8.3	Hunterdon	25316	1.73	3.051	\$2.490
368	070	E	49.5	50.6	1.1	2.2	Ocean	13712	1.75	3.044	\$0.660
369	047	B	69.7	74.4	4.7	9.8	Gloucester	14212	1.69	3.040	\$2.940
370	057	B	18.2	21.1	2.9	5.8	Warren	15572	1.70	3.037	\$1.740
371	181	B	6.2	7.5	1.3	2.6	Sussex	8674	1.67	3.034	\$0.780
372	032	W	0.0	0.5	0.5	0.8	Middlesex	13157	1.76	3.028	\$0.240
373	040	B	9.8	10.9	1.1	2.2	Salem	15786	1.71	3.026	\$0.660
374	045	N	22.9	24.1	1.2	2.4	Gloucester	7178	1.71	3.023	\$0.720
375	050	B	9.9	10.8	0.9	1.8	Atlantic	4390	1.67	3.015	\$0.540
376	079	B	5.4	7.5	2.1	4.2	Monmouth	16374	1.73	3.010	\$1.260
377	035	N	24.9	25.4	0.5	1.0	Monmouth	13135	1.78	3.007	\$0.300
378	080	W	1.0	5.9	4.9	12.2	Warren	29467	1.94	2.998	\$3.660
379	073	B	11.3	12.4	1.1	4.4	Camden	20154	1.76	2.998	\$1.320
380	168	N	8.8	9.8	1.0	2.2	Camden	9365	1.76	2.997	\$0.660
381	040	B	50.1	51.6	1.5	3.7	Atlantic	29228	1.81	2.996	\$1.110
382	077	B	2.4	3.4	1.0	2.9	Cumberland	11858	1.74	2.981	\$0.870
383	047	B	47.3	52.5	5.2	10.6	Cumberland, Gloucester	11548	1.75	2.970	\$3.180
384	047	B	38.4	39.2	0.8	1.6	Cumberland	5424	1.73	2.969	\$0.480
385	038	E	7.9	10.1	2.2	4.7	Burlington	23413	1.92	2.969	\$1.410
386	030	W	50.1	52.4	2.3	4.6	Atlantic	17750	1.87	2.969	\$1.380
387	009	B	32.7	33.8	1.1	2.2	Atlantic	14740	1.77	2.965	\$0.660
388	030	E	49.0	56.9	7.9	18.1	Atlantic	18505	1.88	2.961	\$5.430
389	322	B	2.4	3.2	0.8	1.9	Gloucester	20252	1.81	2.959	\$0.570
390	049	B	8.5	10.7	2.2	4.4	Salem	8326	1.75	2.957	\$1.320
391	038	E	11.0	13.6	2.6	7.1	Burlington	18108	1.88	2.956	\$2.130
392	029	S	1.3	1.9	0.6	1.5	Mercer	27542	1.98	2.948	\$0.450
393	035	N	26.0	28.0	2.0	4.0	Monmouth	14199	1.86	2.947	\$1.200
394	168	B	4.9	7.2	2.3	4.6	Camden	19026	1.82	2.942	\$1.380
395	047	B	41.9	46.5	4.6	14.2	Cumberland	22884	1.86	2.922	\$4.260
396	182	B	0.0	1.0	1.0	2.3	Warren	23536	1.87	2.919	\$0.690
397	094	B	35.7	36.5	0.8	1.6	Sussex	10280	1.81	2.911	\$0.480
398	038	W	13.5	15.5	2.0	4.0	Burlington	16585	1.92	2.907	\$1.200
399	054	B	0.3	1.9	1.6	3.2	Atlantic	10824	1.83	2.900	\$0.960
400	280	W	0.6	1.8	1.2	2.4	Morris	31274	2.07	2.900	\$0.720
401	010	W	10.4	11.5	1.1	3.3	Morris	29444	2.06	2.893	\$0.990
402	040	W	61.6	62.6	1.0	2.0	Atlantic	15668	1.93	2.890	\$0.600
403	073	N	14.8	15.3	0.5	1.0	Camden	14976	1.93	2.889	\$0.300
404	033	B	13.5	15.1	1.6	3.5	Mercer	16516	1.87	2.889	\$1.050
405	010	W	7.9	8.8	0.9	2.7	Morris	26518	2.06	2.866	\$0.810
406	030	W	52.9	53.6	0.7	1.4	Atlantic	19198	2.00	2.860	\$0.420
407	179	B	0.4	6.4	6.0	14.1	Hunterdon	6970	1.86	2.859	\$4.230
408	012	B	9.7	10.2	0.5	1.0	Hunterdon	12008	1.90	2.837	\$0.300
409	035	B	16.1	19.8	3.7	7.4	Monmouth	20924	1.95	2.829	\$2.220
410	022	W	34.4	36.0	1.6	4.8	Somerset	34861	2.18	2.826	\$1.440

**DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED**

<b>Benefit Rank</b>	<b>Rte</b>	<b>Dir</b>	<b>MP Start</b>	<b>MP End</b>	<b>Center Line Length</b>	<b>Lane Miles</b>	<b>County</b>	<b>Avg AADT</b>	<b>Avg FPR</b>	<b>Benefit</b>	<b>Cost Estimate (Millions)</b>
411	048	B	0.9	1.9	1.0	2.0	Salem	4644	1.89	2.823	\$0.600
412	046	W	56.8	58.3	1.5	4.5	Passaic	61550	2.43	2.816	\$1.350
413	287	N	56.8	60.1	3.3	9.9	Bergen, Passaic	42394	2.27	2.814	\$2.970
414	046	E	22.5	23.8	1.3	2.6	Morris	8934	1.96	2.812	\$0.780
415	017	N	8.3	9.2	0.9	2.2	Bergen	40075	2.25	2.812	\$0.660
416	010	W	1.0	2.3	1.3	2.6	Morris	14045	2.01	2.811	\$0.780
417	195	E	4.7	6.5	1.8	3.6	Mercer	29778	2.16	2.801	\$1.080
418	185	N	0.1	0.7	0.6	1.2	Hudson	6261	1.95	2.796	\$0.360
419	287	N	22.0	23.0	1.0	2.0	Somerset	37218	2.25	2.789	\$0.600
420	440	N	25.7	26.2	0.5	1.0	Hudson	28444	2.17	2.780	\$0.300
421	012	B	2.6	4.6	2.0	4.0	Hunterdon	6220	1.94	2.779	\$1.200
422	017	N	24.7	26.8	2.1	6.3	Bergen	44304	2.32	2.779	\$1.890
423	041	B	2.2	2.7	0.5	1.0	Gloucester	14328	1.98	2.778	\$0.300
424	021	N	4.5	8.0	3.5	10.5	Essex	33441	2.22	2.777	\$3.150
425	027	B	10.7	11.5	0.8	1.6	Middlesex	22872	2.04	2.763	\$0.480
426	040	B	15.9	16.6	0.7	1.4	Salem	12132	1.99	2.759	\$0.420
427	029	B	23.2	27.0	3.8	7.6	Hunterdon	3356	1.95	2.758	\$2.280
428	130	N	59.7	61.0	1.3	2.6	Mercer	15348	2.09	2.749	\$0.780
429	049	B	26.4	27.0	0.6	1.2	Cumberland	12662	2.01	2.745	\$0.360
430	073	S	27.0	28.8	1.8	4.9	Burlington	29007	2.22	2.742	\$1.470
431	078	W	9.5	10.1	0.6	1.8	Hunterdon	45494	2.39	2.732	\$0.540
432	035	S	34.5	35.1	0.6	1.2	Monmouth	16211	2.12	2.724	\$0.360
433	066	B	0.9	1.7	0.8	1.6	Monmouth	20522	2.07	2.724	\$0.480
434	040	B	26.3	27.2	0.9	1.8	Gloucester	11098	2.03	2.717	\$0.540
435	070	E	6.1	8.1	2.0	4.4	Burlington, Camden	22588	2.19	2.717	\$1.320
436	055	S	21.6	24.6	3.0	6.0	Cumberland	7232	2.05	2.714	\$1.800
437	035	S	24.9	27.9	3.0	6.0	Monmouth	13765	2.13	2.694	\$1.800
438	027	B	3.2	4.8	1.6	3.2	Middlesex	10992	2.07	2.684	\$0.960
439	440	S	21.4	22.0	0.6	1.2	Hudson	15625	2.16	2.682	\$0.360
440	021	N	12.5	13.1	0.6	1.2	Passaic	34461	2.35	2.674	\$0.360
441	068	B	1.7	3.7	2.0	4.0	Burlington	6778	2.07	2.670	\$1.200
442	030	W	54.2	55.6	1.4	2.8	Atlantic	20585	2.23	2.667	\$0.840
443	080	W	41.8	42.8	1.0	4.3	Morris	53740	2.54	2.661	\$1.290
444	040	E	53.5	54.5	1.0	2.5	Atlantic	16734	2.20	2.657	\$0.750
445	029	B	31.5	34.3	2.8	5.6	Hunterdon	2032	2.07	2.649	\$1.680
446	287	N	53.0	54.6	1.6	4.8	Morris, Passaic	44965	2.47	2.647	\$1.440
447	072	W	21.2	24.6	3.4	7.0	Ocean	15594	2.21	2.637	\$2.100
448	031	N	31.9	34.4	2.5	4.8	Hunterdon	16454	2.22	2.636	\$1.440
449	023	N	13.1	13.6	0.5	1.5	Morris	29958	2.36	2.629	\$0.450
450	440	S	0.2	0.7	0.5	1.5	Middlesex	62586	2.64	2.627	\$0.450
451	029	B	9.6	12.5	2.9	5.8	Mercer	12242	2.15	2.618	\$1.740
452	130	N	8.9	11.0	2.1	4.2	Gloucester	3403	2.14	2.607	\$1.260
453	021	N	8.4	10.0	1.6	4.8	Essex, Passaic	29576	2.39	2.594	\$1.440
454	168	B	1.3	2.5	1.2	2.4	Camden	12430	2.18	2.592	\$0.720

**DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED**

Benefit Rank	Rte	Dir	MP Start	MP End	Center Line Length	Lane Miles	County	Avg AADT	Avg FPR	Benefit	Cost Estimate (Millions)
455	195	E	0.9	1.6	0.7	1.8	Mercer	28067	2.38	2.591	\$0.540
456	066	W	3.1	3.6	0.5	1.0	Monmouth	9921	2.22	2.582	\$0.300
457	287	N	60.7	61.8	1.1	2.2	Bergen	35921	2.47	2.578	\$0.660
458	021	S	11.2	12.0	0.8	2.4	Passaic	30546	2.43	2.570	\$0.720
459	130	N	27.6	28.7	1.1	3.3	Camden	21816	2.37	2.552	\$0.990
460	046	W	55.7	56.4	0.7	1.4	Passaic	38343	2.52	2.551	\$0.420
461	071	B	3.8	5.0	1.2	2.4	Monmouth	10856	2.22	2.546	\$0.720
462	295	S	3.5	4.0	0.5	1.0	Salem	13280	2.29	2.545	\$0.300
463	295	S	41.2	43.5	2.3	6.9	Burlington	50960	2.64	2.545	\$2.070
464	287	S	49.0	66.3	17.3	48.1	Bergen, Morris, Passaic	41327	2.56	2.544	\$14.430
465	130	N	11.7	12.7	1.0	2.7	Gloucester	7302	2.25	2.537	\$0.810
466	055	N	25.2	26.0	0.8	1.6	Cumberland	7242	2.26	2.525	\$0.480
467	055	N	26.6	30.5	3.9	7.8	Cumberland	11248	2.30	2.525	\$2.340
468	078L	E	51.7	52.6	0.9	2.7	Union	39717	2.58	2.512	\$0.810
469	031	N	27.9	29.0	1.1	2.2	Hunterdon	13075	2.33	2.510	\$0.660
470	295	S	2.4	3.1	0.7	1.4	Salem	12851	2.34	2.501	\$0.420
471	036	S	5.8	6.4	0.6	1.2	Monmouth	9182	2.31	2.495	\$0.360
472	287	S	66.7	67.4	0.7	2.1	Bergen	45273	2.65	2.492	\$0.630
473	440	S	1.3	3.7	2.4	7.7	Middlesex	50405	2.70	2.491	\$2.310
474	152	B	0.0	3.2	3.2	6.4	Atlantic	12340	2.30	2.480	\$1.920
475	056	B	6.4	6.9	0.5	1.0	Salem	14200	2.32	2.474	\$0.300
476	030	W	36.6	40.5	3.9	7.8	Atlantic	8753	2.35	2.460	\$2.340
477	287	S	47.1	48.4	1.3	3.9	Morris	39167	2.64	2.446	\$1.170
478	080	E	28.3	30.5	2.2	6.6	Morris	43556	2.69	2.446	\$1.980
479	138	E	0.2	2.5	2.3	4.6	Monmouth	19130	2.48	2.427	\$1.380
480	027	B	11.8	13.4	1.6	3.4	Middlesex	23550	2.42	2.416	\$1.020
481	138	W	0.0	3.4	3.4	6.9	Monmouth	17024	2.49	2.401	\$2.070
482	322	B	25.9	26.6	0.7	2.8	Gloucester	18698	2.42	2.400	\$0.840
483	287	S	5.0	5.8	0.8	2.4	Middlesex	45282	2.77	2.385	\$0.720
484	033	W	17.7	21.1	3.4	6.8	Middlesex, Monmouth	14962	2.49	2.382	\$2.040
485	021	S	6.6	10.0	3.4	10.2	Essex, Passaic	30278	2.64	2.375	\$3.060
486	130	S	8.9	9.9	1.0	2.0	Gloucester	2690	2.39	2.369	\$0.600
487	322	E	4.1	4.7	0.6	1.2	Gloucester	9398	2.46	2.367	\$0.360
488	080	W	22.7	23.5	0.8	2.4	Morris, Sussex	32116	2.69	2.342	\$0.720
489	031	S	27.1	28.6	1.5	3.0	Hunterdon	12703	2.52	2.338	\$0.900
490	078	W	14.5	17.8	3.3	9.9	Hunterdon	45007	2.83	2.332	\$2.970
491	079	S	4.9	5.4	0.5	0.9	Monmouth	10357	2.51	2.332	\$0.270
492	046	W	23.0	23.5	0.5	1.0	Morris	8154	2.49	2.330	\$0.300
493	287	S	43.0	43.5	0.5	1.5	Morris	44087	2.82	2.329	\$0.450
494	195	W	31.1	32.9	1.8	3.6	Monmouth	22382	2.62	2.325	\$1.080
495	195	W	1.5	5.4	3.9	7.8	Mercer	28740	2.70	2.311	\$2.340
496	078	E	44.2	44.7	0.5	1.5	Union	41706	2.83	2.299	\$0.450
497	029	N	6.6	7.9	1.3	2.6	Mercer	10970	2.57	2.279	\$0.780

**DEFICIENT PAVEMENTS SORTED BY BENEFIT RANK – CONTINUED**

<b>Benefit Rank</b>	<b>Rte</b>	<b>Dir</b>	<b>MP Start</b>	<b>MP End</b>	<b>Center Line Length</b>	<b>Lane Miles</b>	<b>County</b>	<b>Avg AADT</b>	<b>Avg FPR</b>	<b>Benefit</b>	<b>Cost Estimate (Millions)</b>
498	078L	E	49.3	50.4	1.1	3.1	Union	31504	2.78	2.263	\$0.930
499	037	W	7.4	7.9	0.5	1.5	Ocean	14682	2.64	2.250	\$0.450
500	322	B	5.5	6.4	0.9	1.8	Gloucester	16946	2.58	2.246	\$0.540
501	029	S	7.4	8.3	0.9	1.8	Mercer	9256	2.60	2.234	\$0.540
502	037	W	8.4	9.5	1.1	3.3	Ocean	14682	2.67	2.222	\$0.990
503	080	W	16.0	16.8	0.8	2.4	Warren	31870	2.83	2.215	\$0.720
504	080	W	12.9	14.2	1.3	3.9	Warren	31870	2.83	2.215	\$1.170
505	018	S	19.9	21.8	1.9	3.8	Monmouth	19995	2.75	2.187	\$1.140
506	055	S	25.4	26.0	0.6	1.2	Cumberland	7242	2.65	2.177	\$0.360
507	080	W	14.6	15.1	0.5	1.5	Warren	31870	2.88	2.177	\$0.450
508	295	N	4.0	8.6	4.6	9.5	Salem	15485	2.73	2.175	\$2.850
509	055	N	52.3	59.9	7.6	15.2	Gloucester	26029	2.83	2.169	\$4.560
510	202	S	14.1	19.7	5.6	11.2	Hunterdon, Somerset	16331	2.76	2.155	\$3.360
511	047	S	1.2	1.7	0.5	1.0	Cape May	11340	2.72	2.149	\$0.300
512	049	B	3.1	4.0	0.9	1.8	Salem	10228	2.69	2.125	\$0.540
513	295	S	18.7	22.4	3.7	11.1	Gloucester	30825	2.94	2.112	\$3.330
514	055	S	43.1	47.0	3.9	7.8	Gloucester	19100	2.91	2.039	\$2.340
<b>Totals</b>						<b>3,134.0</b>	<b>\$940.200</b>				