

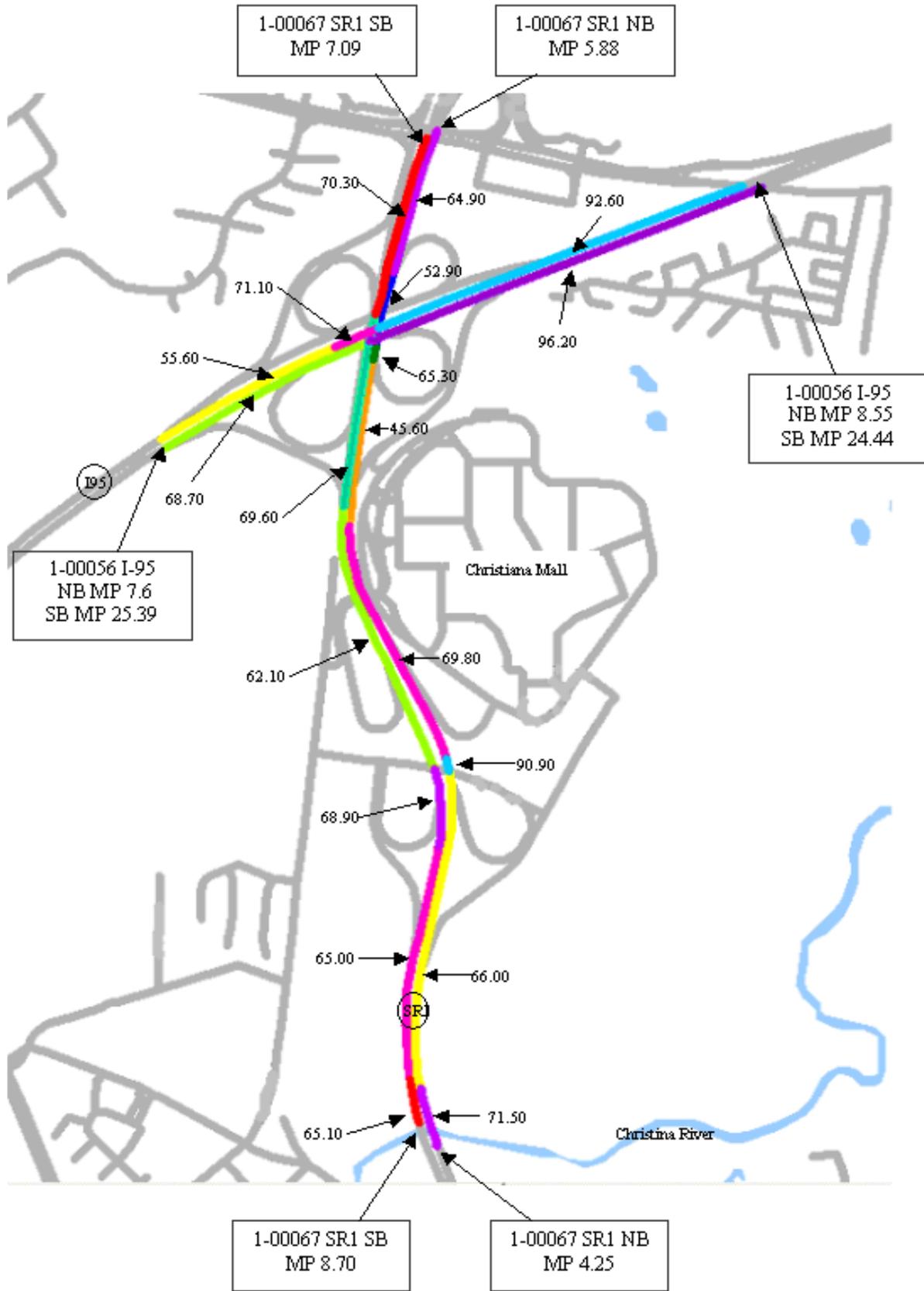
Pavement Management

Pavement Management is responsible for maintaining the road network in the most cost effective manner. This effort has evolved in DelDOT to encompass rating each segment of state maintained road each year and projecting future expenditures in order to reach a maintainable goal of having a high number of roads in good condition.

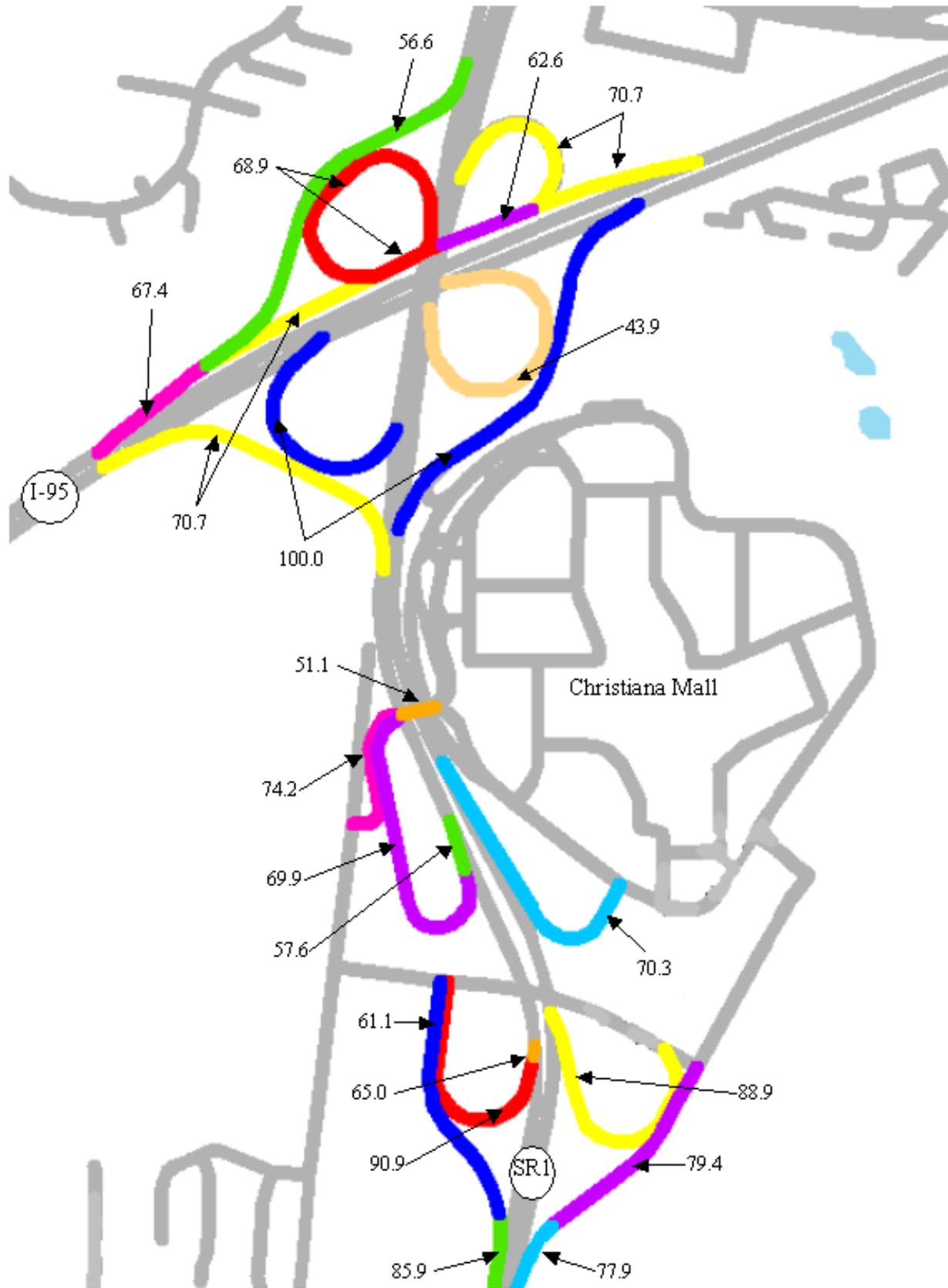
In order to accomplish this, a road rating system has been developed which involves riding each of the 25,056 segments of state maintained roads and rating them from 0.0 (poor) to 100 (excellent) based on different road distress indices that are typical of the pavement type. This numerical rating translates to the following verbal condition assessments 80-100 very good, 60-80 good, 50-60 fair, 40-50 poor, <40 very poor. At some point in time, the score will drop to the level where some type of rehabilitation action is necessary. This Overall Pavement Condition (OPC) is referred to as a threshold level. The threshold value varies depending upon the classification of the road segment. Currently, the threshold level for rehabilitation is 50. In order to provide a higher level of service for arterials and collectors, the threshold level to trigger rehabilitation is set at 60 and for interstates and expressways the threshold level is 70. When the OPC for a segment reaches the threshold level, it does not mean that the segment will be rehabilitated. It only signifies that the segment should be rehabilitated. Triggering roads at the higher level of service allows Pavement Management to utilize more cost effective methods of rehabilitation and pavement preservation techniques.

Distress indices are rated for distress extent and distress severity. A rating program installed on a laptop PC automatically calculates the OPC based on the severity and extent of various distresses for each particular type of pavement. Personnel enlisted through a consultant perform the road ratings through a windshield survey. The entire process is managed by Pavement Management. All roads rated below the minimum OPC threshold are ranked based on traffic, special needs, proximity to other projects, and pavement condition. Due to limited financial resources, this prioritization process will determine which segments are rehabilitated in any given budget year.

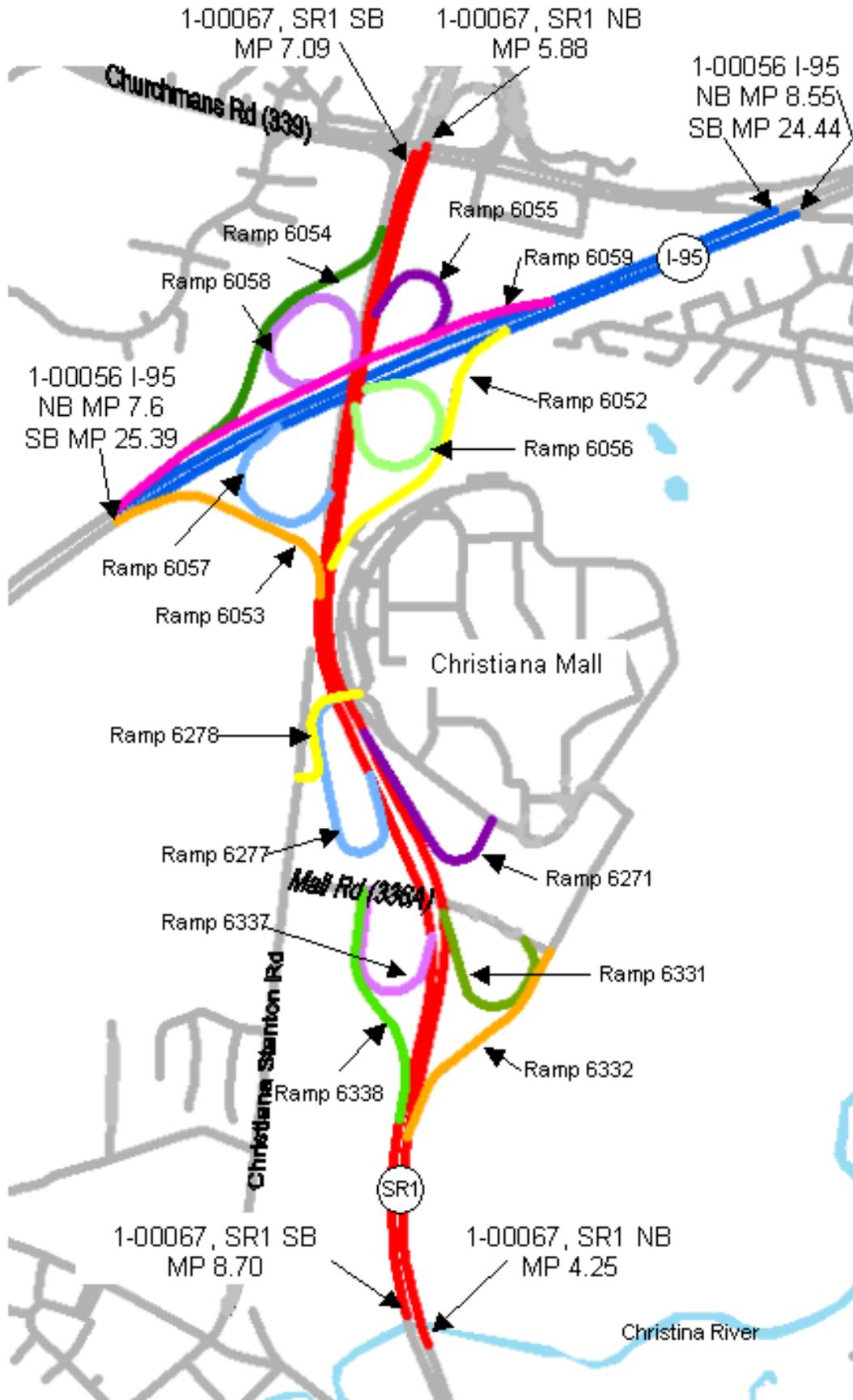
SR1/I-95 Interchange Mainline OPC Ratings



SR1/I-95 Interchange Ramp OPC ratings



SR1/I-95 Interchange



**I-95/SR 1 Interchange Ratings
(Surveyed 2008)**

Route	ROUTE DESCRIPTION	Direction	Begin Mile	End Mile	Length	Lanes	Begin Description	End Description	OPC Index	Pvmt Type	Funct Class	Condition State
1-00056	I 295	N/E	7.60	7.89	0.29	2	ramp 6053 (I-95 NB to DE 7/DE1SB)	rd 67, DE1	68.70	PCC	Interstate	Good
1-00056	I 295	N/E	7.89	8.55	0.66	2	rd 67, DE1	RD 1/00339 (CHURCHMANS RD)	96.20	PCC	Interstate	Good
1-00056	JOHN F KENNEDY MEMORIAL HWY	S/W	24.44	25.05	0.61	2	RD 1/00339 (CHURCHMANS RD)	rd 67, DE1	92.60	PCC	Interstate	Good
1-00056	JOHN F KENNEDY MEMORIAL HWY	S/W	25.05	25.12	0.07	2	rd 67, DE1	Other [DE 7]	71.10	PCC	Interstate	Good
1-00056	JOHN F KENNEDY MEMORIAL HWY	S/W	25.12	25.39	0.27	2	Other [DE 7]	ramp 6059 (pull off to ramps 6055 & 6058)	55.60	PCC	Interstate	Fair
1-00067	KOREAN WAR VETS MEM HWY	N/E	4.25	4.36	0.11	2	Christina River	PCC PAVEMENT JOINT	71.50	Asphalt	Freeway	Good
1-00067	KOREAN WAR VETS MEM HWY	N/E	4.36	4.81	0.45	2	PCC PAVEMENT JOINT	RD 336A - Mall Rd	66.00	Asphalt	Freeway	Good
1-00067	KOREAN WAR VETS MEM HWY	N/E	4.81	4.84	0.03	2	RD 336A- Mall Rd	PCC/HM Joint	90.90	Asphalt	Freeway	Good
1-00067	KOREAN WAR VETS MEM HWY	N/E	4.84	5.29	0.45	2	PCC/HM Joint	Ramp -605-2 [EXIT 101-B]	69.80	Asphalt	Freeway	Good
1-00067	KOREAN WAR VETS MEM HWY	N/E	5.29	5.51	0.22	2	Ramp -605-2 [EXIT 101-B]	Ramp -605-6 [FROM I-95 EB]	45.60	Asphalt	Freeway	Fair
1-00067	KOREAN WAR VETS MEM HWY	N/E	5.51	5.55	0.04	2	Ramp -605-6 [FROM I-95 EB]	Underpass [RD 56 EB, I-95]	65.30	Asphalt	Freeway	Good
1-00067	KOREAN WAR VETS MEM HWY	N/E	5.55	5.66	0.11	2	Underpass [RD 56 EB, I-95]	Ramp [EXIT 165-A, (TO I-95 SB)]	52.90	Asphalt	Freeway	Fair
1-00067	KOREAN WAR VETS MEM HWY	N/E	5.66	5.88	0.22	2	Ramp [EXIT 165-A, (TO I-95 SB)]	Rd 339 Churchmans Rd	64.90	Asphalt	Freeway	Good
1-00067	KOREAN WAR VETERANS MEM. HWY.	S/W	7.09	7.39	0.30	1	Rd 339 Churchmans Rd	Ramp	70.30	PCC	PrinAtrls	Good
1-00067	KOREAN WAR VETERANS MEM. HWY.	S/W	7.39	7.70	0.31	1	Ramp	Ramp	69.60	PCC	PrinAtrls	Good
1-00067	KOREAN WAR VETERANS MEM. HWY.	S/W	7.70	8.14	0.44	1	Ramp	RD 336A- Mall Rd	62.10	PCC	PrinAtrls	Good
1-00067	KOREAN WAR VETERANS MEM. HWY.	S/W	8.14	8.25	0.11	1	RD 336A - Mall Rd	SURFACE TYPE CHANGED FROM 6706 to 7101	68.90	PCC	PrinAtrls	Good
1-00067	KOREAN WAR VETERANS MEM. HWY.	S/W	8.25	8.62	0.37	1	HM/PCC Joint	PCC PAVEMENT JOINT	65.00	PCC	PrinAtrls	Good
1-00067	KOREAN WAR VETERANS MEM. HWY.	S/W	8.62	8.70	0.08	1	PCC PAVEMENT JOINT	Christina River	65.10	PCC	PrinAtrls	Good
1-006052	DE 7 EB TO I-95 NB	N/E	0.00	0.10	0.10	1	RD 1/00056 (JOHN F KENNEDY MEMORIAL HWY)	Ramp [FROM MALL]	100.00	PCC	Interstate	Good
1-006052	DE 7 EB TO I-95 NB	N/E	0.10	0.26	0.16	1	Ramp [FROM MALL]	SURFACE TYPE CHANGED FROM 7101 to 6706	100.00	PCC	Interstate	Good
1-006052	DE 7 EB TO I-95 NB	N/E	0.26	0.39	0.13	1	SURFACE TYPE CHANGED FROM 7101 to 6706	End of Roadways End of Forward Direction	100.00	PCC	Interstate	Good
1-006053	EXIT 4S, I-95 NB TO DE 7 WB	S/W	0.00	0.26	0.26	1	Beginning of the Road Yes	End of Roadways End of Forward Direction	70.70	Composite	Interstate	Good
1-006054	DE 7 WB TO I-95 SB	S/W	0.00	0.39	0.39	1	Ramp -#640-9	End of Roadways End of Forward Direction	56.60	PCC	Interstate	Fair
1-006055	DE 7 EB TO I-95 SB	S/W	0.00	0.19	0.19	1	Other [RD 336 EB, DE 7]	End of Roadways End of Forward Direction	70.70	Composite	Interstate	Good
1-006056	I-95 NB TO DE 7 EB	N/E	0.00	0.32	0.32	1	Other [RD 56 EB, I-95]	End of Roadways End of Forward Direction	43.90	PCC	Interstate	Fair
1-006057	DE 7 WB TO I-95 NB	N/E	0.00	0.27	0.27	2	Ramp [RAMP 640-9]	End of Roadways End of Forward Direction	100.00	PCC	Interstate	Good
1-006058	I-95 SB TO DE 7 WB	S/W	0.00	0.33	0.33	1	Ramp -605-9	End of Roadways End of Forward Direction	68.90	Composite	Interstate	Good
1-006059	I-95 PULL OFF TO RAMPS 6055 & 6058	N/E	0.00	0.14	0.14	1	Other [RD 56 WB, I-95]	Ramp -605-5	70.70	PCC	Interstate	Good
1-006059	I-95 PULL OFF TO RAMPS 6055 & 6058	N/E	0.14	0.23	0.09	1	Ramp -605-5	Other [RD 336 EB, DE 7]	62.60	PCC	Interstate	Good
1-006059	I-95 PULL OFF TO RAMPS 6055 & 6058	N/E	0.23	0.31	0.08	1	Other [RD 336 EB, DE 7]	Ramp -605-8	68.90	PCC	Interstate	Good
1-006059	I-95 PULL OFF TO RAMPS 6055 & 6058	N/E	0.31	0.46	0.15	1	Ramp -605-8	Ramp -605-4	70.70	PCC	Interstate	Good
1-006059	I-95 PULL OFF TO RAMPS 6055 & 6058	N/E	0.46	0.58	0.12	1	Ramp -605-4	End of Roadways End of Forward Direction	67.40	PCC	Interstate	Good
1-006271	EXIT FROM MALL TO DE 1 & 7 NB	N/E	0.00	0.26	0.26	1	Other [MALL RING RD]	End of Roadways End of Forward Direction	70.30	Asphalt	Freeway	Good
1-006277	EXIT 100-A MALL RD, DE 7 WB TO MALL RING RD	N/E	0.00	0.32	0.32	2	RD 1/006278 (FROM MALL TO RD 336 SOUTH)	Other [RD 67 SB, DE 1]	69.90	Asphalt	Freeway	Good
1-006277	EXIT 100-A MALL RD, DE 7 WB TO MALL RING RD	N/E	0.32	0.37	0.05	2	Other [RD 67 SB, DE 1]	End of Roadways End of Forward Direction	57.60	Asphalt	Freeway	Fair
1-006278	FROM MALL RING RD TO RD 336 SOUTH	S/W	0.00	0.05	0.05	1	Private Road [FROM MALL PRIVATE ON THE RIGHT]	Unknown	51.10	Asphalt	Freeway	Fair
1-006278	FROM MALL RING RD TO RD 336 SOUTH	S/W	0.05	0.19	0.14	1	Unknown	End of Roadways End of Forward Direction	74.20	Asphalt	Freeway	Good
1-006331	RD 336A, MALL RD TO DE1 WB/DE 7 EB	N/E	0.00	0.27	0.27	1	Other [RD 336A, MALL RD]	End of Roadways End of Forward Direction	88.90	PCC	Freeway	Good
1-006332	EXIT 100, RD 67 NB, DE 1 TO MALL RD	N/E	0.00	0.10	0.10	1	Other [RD 67 NB, DE 1, EXIT 100]	Bridge -0 [-]	77.90	PCC	Freeway	Good
1-006332	EXIT 100, RD 67 NB, DE 1 TO MALL RD	N/E	0.10	0.30	0.20	1	Bridge -0 [-]	End of Roadways End of Forward Direction	79.40	PCC	Freeway	Good
1-006337	EXIT 100-B, RD 67 SB, DE 1 TO MALL RD	N/E	0.00	0.13	0.13	1	Other [RD 67 SB, DE 1]	Surface Type 6201 - Hot Mix on Waterbound Base of Stone	90.90	PCC	Freeway	Good
1-006337	EXIT 100-B, RD 67 SB, DE 1 TO MALL RD	N/E	0.13	0.25	0.12	1	Surface Type 6201 - Hot Mix on Waterbound Base of Stone	SURFACE TYPE CHANGED FROM 7101 to 5670	90.90	PCC	Freeway	Good
1-006337	EXIT 100-B, RD 67 SB, DE 1 TO MALL RD	N/E	0.25	0.26	0.01	1	SURFACE TYPE CHANGED FROM 7101 to 5670	SURFACE TYPE CHANGED FROM 7101 to 5670	65.00	PCC	Freeway	Good
1-006338	MALL RD TO DE 1 SB	S/W	0.00	0.21	0.21	1	Other [RD 336A, MALL RD]	Bridge -0 [-]	61.10	Asphalt	Freeway	Good
1-006338	MALL RD TO DE 1 SB	S/W	0.21	0.28	0.07	1	Bridge -0 [-]	End of Roadways End of Forward Direction	85.90	Asphalt	Freeway	Good