

**APPENDIX Q**  
2040 No-Build and Build Safety Analysis

Collision type / Site type	SW 10th Street No-Build			SW 10th Street Build 1			SW 10th Street Build 2			SW 10th Street Build 3		
	Predicted average crash frequency (crashes/year)			Predicted average crash frequency (crashes/year)			Predicted average crash frequency (crashes/year)			Predicted average crash frequency (crashes/year)		
	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)
<b>ROADWAY SEGMENTS</b>												
<b>Multiple-vehicle</b>												
SW 10th Street Military Trail to Newport Center Drive	4.512	1.170	3.342	4.512	1.170	3.342	5.159	1.328	3.832	5.159	1.328	3.832
SW 10th Street Newport Center Drive to SB On Ramp	1.621	0.419	1.202	2.297	0.594	1.703	2.506	0.645	1.861	2.506	0.645	1.861
SW 10th Street SB On Ramp to SB Off Ramp	0.737	0.190	0.547	--	--	--	--	--	--	--	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	1.908	0.491	1.417	1.908	0.491	1.417	1.916	0.493	1.423	1.916	0.493	1.423
SW 10th Street NB On/Off Ramp to Natura Blvd	1.070	0.283	0.787	1.070	0.283	0.787	1.092	0.289	0.804	1.092	0.289	0.804
<b>Single-vehicle</b>												
SW 10th Street Military Trail to Newport Center Drive	0.371	0.076	0.295	0.371	0.076	0.295	0.388	0.081	0.308	0.388	0.081	0.308
SW 10th Street Newport Center Drive to SB On Ramp	0.129	0.027	0.103	0.183	0.038	0.145	0.189	0.039	0.149	0.189	0.039	0.149
SW 10th Street SB On Ramp to SB Off Ramp	0.055	0.012	0.044	--	--	--	--	--	--	--	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	0.144	0.030	0.114	0.144	0.030	0.114	0.144	0.030	0.114	0.144	0.030	0.114
SW 10th Street NB On/Off Ramp to Natura Blvd	0.112	0.022	0.090	0.112	0.022	0.090	0.113	0.022	0.091	0.113	0.022	0.091
<b>INTERSECTIONS</b>												
<b>Multiple-vehicle</b>												
SW 10th Street / Military Trail	10.415	3.767	6.648	10.415	3.767	6.648	11.399	4.168	7.231	11.399	4.168	7.231
SW 10th Street / Newport Center Drive	8.303	3.067	5.237	10.841	4.004	6.837	11.706	4.349	7.357	11.799	4.382	7.417
SW 10th Street / Natura Blvd	8.323	2.957	5.365	6.494	2.308	4.186	7.106	2.519	4.587	7.114	2.521	4.593
<b>Single-vehicle</b>												
SW 10th Street / Military Trail	0.472	0.098	0.374	0.472	0.098	0.374	0.496	0.100	0.396	0.496	0.100	0.396
SW 10th Street / Newport Center Drive	0.352	0.069	0.283	0.459	0.090	0.369	0.484	0.093	0.391	0.489	0.094	0.394
SW 10th Street / Natura Blvd	0.406	0.088	0.318	0.317	0.069	0.248	0.349	0.076	0.273	0.350	0.077	0.273
COMBINED (sum of column)	38.930	12.766	26.166	39.594	13.038	26.557	43.049	14.232	28.817	43.154	14.268	28.886

<b>SW 10th Street No-Build</b>			
<b>Collision type / Site type</b>	<b>Predicted average crash frequency (crashes/year)</b>		
	<b>N<sub>predicted</sub> (TOTAL)</b>	<b>N<sub>predicted</sub> (FI)</b>	<b>N<sub>predicted</sub> (PDO)</b>
<b>Freeway Segment</b>			
<b>SW 10th Street Freeway Segment</b>			
Multiple-Vehicle	104.746	24.353	80.393
Single-vehicle	18.269	4.117	14.152
Total	123.015	28.470	94.546
<b>Ramp Speed Change Lane</b>			
<b>Merge Lanes</b>			
SB Merge from SW 10th Street	8.493	3.074	5.419
NB Merge from SW 10th Street	8.215	2.967	5.248
<b>Diverge Lanes</b>			
NB Diverge to SW 10th Street	2.448	0.696	1.752
<b>Ramp Terminals</b>			
NB Ramp Terminal	19.256	4.145	15.111
SB Off Ramp Terminal	20.008	7.223	12.785
SB On Ramp Terminal	9.494	2.607	6.887
COMBINED (sum of column)	190.929	49.182	141.747

SW 10th Street Build	Build 1			Build 2			Build 3		
Collision type / Site type	Predicted average crash frequency (crashes/year)			Predicted average crash frequency (crashes/year)			Predicted average crash frequency (crashes/year)		
	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)
<b>Freeway Segment 1 - NB Merge from Sample through the NB Diverge to SW 10th Street</b>									
Multiple-Vehicle	104.28	27.76	76.52	100.54	26.94	73.60	101.00	27.04	73.96
Single-vehicle	18.19	4.45	13.74	17.90	4.39	13.50	17.94	4.40	13.54
Total	122.47	32.21	90.26	118.43	31.33	87.10	118.94	31.44	87.50
<b>Freeway Segment 2 - NB Diverge to SW 10th Street through NB Diverge to Hillsboro Blvd</b>									
Multiple-Vehicle	22.03	5.43	16.60	20.30	5.08	15.22	19.42	4.90	14.52
Single-vehicle	4.59	1.07	3.52	4.42	1.04	3.39	4.34	1.02	3.32
Total	26.62	6.50	20.12	24.73	6.12	18.61	23.76	5.92	17.84
<b>Collector-Distributor Road</b>									
SW 10th Street NB On-Ramp C-D Road	5.58	2.07	3.50	7.94	3.24	4.70	11.88	5.60	6.28
<b>Ramp Terminals</b>									
NB Ramp Terminal	29.93	11.60	18.33	33.67	12.75	20.92	39.33	14.57	24.76
SB Off/On Ramp Terminal	30.28	10.41	19.88	40.68	13.84	26.83	57.09	19.29	37.79
COMBINED (sum of column)	214.89	62.80	152.09	225.45	67.29	158.16	250.99	76.83	174.17

<b>Hillsboro Blvd No-Build</b>			
<b>Collision type / Site type</b>	<b>Predicted average crash frequency (crashes/year)</b>		
	$N_{\text{predicted}}$ (TOTAL)	$N_{\text{predicted}}$ (FI)	$N_{\text{predicted}}$ (PDO)
<b>Freeway Segment</b>			
Multiple-Vehicle	82.943	20.748	62.195
Single-vehicle	11.098	2.504	8.594
<b>Total</b>	<b>94.041</b>	<b>23.252</b>	<b>70.789</b>
<b>Ramp Speed Change Lane</b>			
<b>Merge Lanes</b>			
SB Merge from WB Hillsboro Blvd	6.05	2.02	4.030
<b>Diverge Lanes</b>			
NB Diverge to EB Hillsboro Blvd	2.24	0.640	1.600
<b>Ramp Terminals</b>			
NB to EB Ramp Terminal	14.640	6.650	7.990
SB Off Ramp Terminal	13.890	6.500	7.390
<b>COMBINED (sum of column)</b>	<b>130.861</b>	<b>39.062</b>	<b>91.799</b>

<b>Hillsboro Blvd Build Options</b>									
<b>Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials</b>									
<b>Collision type / Site type</b>	<b>Build 1</b>			<b>Build 2</b>			<b>Build 3</b>		
	<b>Predicted average crash frequency (crashes/year)</b>			<b>Predicted average crash frequency (crashes/year)</b>			<b>Predicted average crash frequency (crashes/year)</b>		
	<b>N<sub>predicted</sub> (TOTAL)</b>	<b>N<sub>predicted</sub> (FI)</b>	<b>N<sub>predicted</sub> (PDO)</b>	<b>N<sub>predicted</sub> (TOTAL)</b>	<b>N<sub>predicted</sub> (FI)</b>	<b>N<sub>predicted</sub> (PDO)</b>	<b>N<sub>predicted</sub> (TOTAL)</b>	<b>N<sub>predicted</sub> (FI)</b>	<b>N<sub>predicted</sub> (PDO)</b>
<b>Freeway Segment 1 - NB Hillsboro Diverge to NB SW 10th Street Merge</b>									
Multiple-Vehicle	29.665	6.910	22.755	29.777	6.932	22.845	31.733	7.300	24.433
Single-vehicle	5.204	1.174	4.030	5.213	1.176	4.037	5.364	1.202	4.162
Total	34.869	8.084	26.785	34.990	8.107	26.883	37.098	8.502	28.595
<b>Freeway Segment 2 - NB SW 10th Street Merge to NB Hillsboro Merge</b>									
Multiple-Vehicle	32.501	8.538	23.963	34.593	8.986	25.606	38.624	9.835	28.788
Single-vehicle	6.865	1.695	5.170	7.060	1.733	5.327	7.419	1.802	5.617
Total	39.366	10.233	29.133	41.653	10.719	30.934	46.043	11.637	34.406
<b>Merge Lanes</b>									
SB Merge from Hillsboro Blvd	7.161	2.63	4.53	7.145	2.60	4.55	7.450	2.71	4.74
NB Merge From Hillsboro Blvd	4.856	1.12	3.74	4.870	1.12	3.75	5.080	1.17	3.91
<b>Diverge Lanes</b>									
NB Diverge to Hillsboro Blvd	1.450	0.43	1.02	1.452	0.43	1.02	1.500	0.45	1.05
SB Diverge to 10th Street	0.670	0.23	0.44	0.668	0.23	0.44	0.690	0.24	0.45
<b>Connector-Distributor Road</b>									
Hillsboro NB On-Ramp CD Road	1.270	0.45	0.82	1.260	0.45	0.81	1.240	0.44	0.80
Hillsboro SB On-Ramp CD Road	1.722	0.65	1.07	1.587	0.59	1.00	1.610	0.60	1.01
<b>Ramp Terminals</b>									
NB Off Ramp Terminal	20.990	9.45	11.54	21.019	9.41	11.61	21.190	9.49	11.70
SB Off Ramp Terminal	13.950	6.52	7.43	14.177	6.64	7.54	14.190	6.64	7.55
COMBINED (sum of column)	<b>126.303</b>	<b>39.792</b>	<b>86.511</b>	<b>128.822</b>	<b>40.297</b>	<b>88.525</b>	<b>136.090</b>	<b>41.879</b>	<b>94.211</b>

Sample Road No-Build and Build							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{observed}$ (crashes/year)	Overdispersion Parameter, k	Weighted adjustment, w Equation A-5 from Part C Appendix	Expected average crash frequency, $N_{expected}$ Equation A-4 from Part C Appendix
	$N_{predicted}$ (TOTAL)	$N_{predicted}$ (FI)	$N_{predicted}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle</b>							
Sample Road NW 5th Avenue to SB Off Ramp	2.975	0.766	2.209	44	1.320	0.203	35.674
Sample Road SB Off Ramp to NB Off Ramp	3.903	1.004	2.899	27	1.320	0.163	23.246
Sample Road NB Off Ramp to NE 3 Avenue	3.870	0.996	2.874	40	1.320	0.164	34.085
<b>Single-vehicle</b>							
Sample Road NW 5th Avenue to SB Off Ramp	0.224	0.046	0.177	4	0.860	0.839	0.834
Sample Road SB Off Ramp to NB Off Ramp	0.294	0.061	0.233	3	0.860	0.798	0.840
Sample Road NB Off Ramp to NE 3 Avenue	0.291	0.060	0.231	2	0.860	0.800	0.634
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
Sample Road / NW 5th Terrace	7.498	2.295	5.203	6	0.330	0.288	6.431
Sample Road / NW 5th Avenue	8.208	2.434	5.774	19	0.330	0.270	16.090
Sample Road / NE 3rd Avenue	10.553	3.818	6.735	38	0.390	0.195	32.635
<b>Single-vehicle</b>							
Sample Road / NW 5th Terrace	0.303	0.079	0.224	0	0.360	0.902	0.273
Sample Road / NW 5th Avenue	0.349	0.096	0.253	2	0.360	0.889	0.533
Sample Road / NE 3rd Avenue	0.480	0.099	0.381	6	0.360	0.853	1.293
COMBINED (sum of column)	38.947	11.755	27.192	191	--	--	152.566

SW 10th Street No-Build							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{observed}$ (crashes/year)	Overdispersion Parameter, k	Weighted adjustment, w	Expected average crash frequency, $N_{expected}$
	$N_{predicted}$ (TOTAL)	$N_{predicted}$ (FI)	$N_{predicted}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle nondriveway</b>							
SW 10th Street Military Trail to Newport Center Drive	4.512	1.170	3.342	52	1.320	0.144	45.172
SW 10th Street Newport Center Drive to SB On Ramp	1.621	0.419	1.202	37	1.320	0.318	25.733
SW 10th Street SB On Ramp to SB Off Ramp	0.737	0.190	0.547	14	1.320	0.507	7.278
SW 10th Street SB Off Ramp to NB On/Off Ramp	1.908	0.491	1.417	13	1.320	0.284	9.848
SW 10th Street NB On/Off Ramp to Natura Blvd	1.070	0.283	0.787	4	1.320	0.415	2.785
<b>Single-vehicle</b>							
SW 10th Street Military Trail to Newport Center Drive	0.371	0.076	0.295	1	0.860	0.758	0.523
SW 10th Street Newport Center Drive to SB On Ramp	0.129	0.027	0.103	2	0.860	0.900	0.316
SW 10th Street SB On Ramp to SB Off Ramp	0.055	0.012	0.044	3	0.860	0.954	0.190
SW 10th Street SB Off Ramp to NB On/Off Ramp	0.144	0.030	0.114	0	0.860	0.890	0.128
SW 10th Street NB On/Off Ramp to Natura Blvd	0.112	0.022	0.090	0	0.860	0.912	0.102
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
SW 10th Street / Military Trail	10.415	3.767	6.648	30	0.390	0.198	26.131
SW 10th Street / Newport Center Drive	8.303	3.067	5.237	18	0.390	0.236	15.712
SW 10th Street / Natura Blvd	8.323	2.957	5.365	9	0.390	0.236	8.840
<b>Single-vehicle</b>							
SW 10th Street / Military Trail	0.472	0.098	0.374	3	0.360	0.855	0.839
SW 10th Street / Newport Center Drive	0.352	0.069	0.283	0	0.360	0.888	0.312
SW 10th Street / Natura Blvd	0.406	0.088	0.318	0	0.360	0.872	0.354
COMBINED (sum of column)	38.930	12.764	26.166	186	--	--	144.265



SW 10th Street Build 1							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{\text{observed}}$ (crashes/year)	Overdispersion Parameter, k	Weighted adjustment, w Equation A-5 from Part C Appendix	Expected average crash frequency, Equation A-4 from Part C Appendix
	$N_{\text{predicted}}$ (TOTAL)	$N_{\text{predicted}}$ (FI)	$N_{\text{predicted}}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle nondriveway</b>							
SW 10th Street Military Trail to Newport Center Drive	4.512	1.170	3.342	--	1.320	--	--
SW 10th Street Newport Center Drive to SB On Ramp	2.297	0.594	1.703	--	1.320	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	1.908	0.491	1.417	--	1.320	--	--
SW 10th Street NB On/Off Ramp to Natura Blvd	1.070	0.283	0.787	--	1.320	--	--
<b>Single-vehicle</b>							
SW 10th Street Military Trail to Newport Center Drive	0.371	0.076	0.295	--	0.860	--	--
SW 10th Street Newport Center Drive to SB On Ramp	0.183	0.038	0.145	--	0.860	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	0.144	0.030	0.114	--	0.860	--	--
SW 10th Street NB On/Off Ramp to Natura Blvd	0.112	0.022	0.090	--	0.860	--	--
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
SW 10th Street / Military Trail	10.415	3.767	6.648	--	0.390	--	--
SW 10th Street / Newport Center Drive	10.841	4.004	6.837	--	0.390	--	--
SW 10th Street / Natura Blvd	6.494	2.308	4.186	--	0.390	--	--
<b>Single-vehicle</b>							
SW 10th Street / Military Trail	0.472	0.098	0.374	--	0.360	--	--
SW 10th Street / Newport Center Drive	0.459	0.090	0.369	--	0.360	--	--
SW 10th Street / Natura Blvd	0.317	0.069	0.248	--	0.360	--	--
COMBINED (sum of column)	39.594	13.038	26.557	--	--	--	--

SW 10th Street Build 2							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{\text{observed}}$ (crashes/year)	Overdispersion Parameter, k	Weighted adjustment, w  Equation A-5 from Part C Appendix	Expected average crash frequency,  Equation A-4 from Part C Appendix
	$N_{\text{predicted}}$ (TOTAL)	$N_{\text{predicted}}$ (FI)	$N_{\text{predicted}}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle nondriveway</b>							
SW 10th Street Military Trail to Newport Center Drive	5.159	1.328	3.832	--	1.320	--	--
SW 10th Street Newport Center Drive to SB On Ramp	2.506	0.645	1.861	--	1.320	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	1.916	0.493	1.423	--	1.320	--	--
SW 10th Street NB On/Off Ramp to Natura Blvd	1.092	0.289	0.804	--	1.320	--	--
<b>Single-vehicle</b>							
SW 10th Street Military Trail to Newport Center Drive	0.388	0.081	0.308	--	0.860	--	--
SW 10th Street Newport Center Drive to SB On Ramp	0.189	0.039	0.149	--	0.860	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	0.144	0.030	0.114	--	0.860	--	--
SW 10th Street NB On/Off Ramp to Natura Blvd	0.113	0.022	0.091	--	0.860	--	--
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
SW 10th Street / Military Trail	11.399	4.168	7.231	--	0.390	--	--
SW 10th Street / Newport Center Drive	11.706	4.349	7.357	--	0.390	--	--
SW 10th Street / Natura Blvd	7.106	2.519	4.587	--	0.390	--	--
<b>Single-vehicle</b>							
SW 10th Street / Military Trail	0.496	0.100	0.396	--	0.360	--	--
SW 10th Street / Newport Center Drive	0.484	0.093	0.391	--	0.360	--	--
SW 10th Street / Natura Blvd	0.349	0.076	0.273	--	0.360	--	--
COMBINED (sum of column)	43.049	14.232	28.817	--	--	--	--

SW 10th Street Build 3							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{observed}$ (crashes/year)	Overdispersion Parameter, k	Weighted adjustment, w  Equation A-5 from Part C Appendix	Expected average crash frequency,  Equation A-4 from Part C Appendix
	$N_{predicted}$ (TOTAL)	$N_{predicted}$ (FI)	$N_{predicted}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle nondriveway</b>							
SW 10th Street Military Trail to Newport Center Drive	5.159	1.328	3.832	--	1.320	--	--
SW 10th Street Newport Center Drive to SB On Ramp	2.506	0.645	1.861	--	1.320	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	1.916	0.493	1.423	--	1.320	--	--
SW 10th Street NB On/Off Ramp to Natura Blvd	1.092	0.289	0.804	--	1.320	--	--
<b>Single-vehicle</b>							
SW 10th Street Military Trail to Newport Center Drive	0.388	0.081	0.308	--	0.860	--	--
SW 10th Street Newport Center Drive to SB On Ramp	0.189	0.039	0.149	--	0.860	--	--
SW 10th Street SB Off Ramp to NB On/Off Ramp	0.144	0.030	0.114	--	0.860	--	--
SW 10th Street NB On/Off Ramp to Natura Blvd	0.113	0.022	0.091	--	0.860	--	--
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
SW 10th Street / Military Trail	11.399	4.168	7.231	--	0.390	--	--
SW 10th Street / Newport Center Drive	11.799	4.382	7.417	--	0.390	--	--
SW 10th Street / Natura Blvd	7.114	2.521	4.593	--	0.390	--	--
<b>Single-vehicle</b>							
SW 10th Street / Military Trail	0.496	0.100	0.396	--	0.360	--	--
SW 10th Street / Newport Center Drive	0.489	0.094	0.394	--	0.360	--	--
SW 10th Street / Natura Blvd	0.350	0.077	0.273	--	0.360	--	--
COMBINED (sum of column)	43.154	14.268	28.886	--	--	--	--

Hillsboro Blvd No-Build							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{\text{observed}}$ (crashes/year)	Overdispersion Parameter, k	Weighted adjustment, w  Equation A-5 from Part C Appendix	Expected average crash frequency,  Equation A-4 from Part C Appendix
	$N_{\text{predicted}}$ (TOTAL)	$N_{\text{predicted}}$ (FI)	$N_{\text{predicted}}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle</b>							
Hillsboro Blvd SW 12th Avenue to SB Off Ramp	1.531	0.395	1.136	11	1.320	0.331	7.865
Hillsboro Blvd SB Off Ramp to NB Off Ramp	2.468	0.647	1.821	13	1.320	0.235	10.527
Hillsboro Blvd NB Off Ramp to Natura Blvd	3.316	0.854	2.462	15	1.320	0.186	12.827
<b>Single-vehicle</b>							
Hillsboro Blvd SW 12th Avenue to SB Off Ramp	0.118	0.024	0.094	3	0.860	0.908	0.384
Hillsboro Blvd SB Off Ramp to NB Off Ramp	0.232	0.046	0.186	0	0.860	0.834	0.193
Hillsboro Blvd NB Off Ramp to Natura Blvd	0.252	0.052	0.199	6	0.860	0.822	1.274
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
Hillsboro Blvd / SW 12th Avenue	9.245	3.404	5.841	18	0.390	0.217	16.099
Hillsboro Blvd / Natura Blvd	10.022	3.706	6.316	2	0.390	0.204	3.634
<b>Single-vehicle</b>							
Hillsboro Blvd / SW 12th Avenue	0.394	0.078	0.316	1	0.360	0.876	0.469
Hillsboro Blvd / Natura Blvd	0.421	0.082	0.339	0	0.360	0.868	0.366
COMBINED (sum of column)	27.999	9.289	18.710	69	--	--	53.638

Hillsboro Blvd Build 1							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{observed}$ (crashes/year)	Overdispersion Parameter, $k$	Weighted adjustment, $w$ Equation A-5 from Part C Appendix	Expected average crash frequency, $N$ Equation A-4 from Part C Appendix
	$N_{predicted}$ (TOTAL)	$N_{predicted}$ (FI)	$N_{predicted}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle</b>							
Hillsboro Blvd SW 12th Avenue to SB Off Ramp	1.531	0.395	1.136	-	1.320	-	-
Hillsboro Blvd SB Off Ramp to NB Off Ramp	2.468	0.647	1.821	-	1.320	-	-
Hillsboro Blvd NB Off Ramp to Natura Blvd	3.316	0.854	2.462	-	1.320	-	-
<b>Single-vehicle</b>							
Hillsboro Blvd SW 12th Avenue to SB Off Ramp	0.118	0.024	0.094	-	0.860	-	-
Hillsboro Blvd SB Off Ramp to NB Off Ramp	0.232	0.046	0.186	-	0.860	-	-
Hillsboro Blvd NB Off Ramp to Natura Blvd	0.252	0.052	0.199	-	0.860	-	-
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
Hillsboro Blvd / SW 12th Avenue	9.245	3.404	5.841	-	0.390	-	-
Hillsboro Blvd / Natura Blvd	10.022	3.706	6.316	-	0.390	-	-
<b>Single-vehicle</b>							
Hillsboro Blvd / SW 12th Avenue	0.394	0.078	0.316	-	0.360	-	-
Hillsboro Blvd / Natura Blvd	0.421	0.082	0.339	-	0.360	-	-
COMBINED (sum of column)	27.999	9.289	18.710	-	--	--	-

Hillsboro Blvd Build 2							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{observed}$ (crashes/year)	Overdispersion Parameter, $k$	Weighted adjustment, $w$ Equation A-5 from Part C Appendix	Expected average crash frequency, $N$ Equation A-4 from Part C Appendix
	$N_{predicted}$ (TOTAL)	$N_{predicted}$ (FI)	$N_{predicted}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle</b>							
Hillsboro Blvd SW 12th Avenue to SB Off Ramp	1.457	0.377	1.080	-	1.320	-	-
Hillsboro Blvd SB Off Ramp to NB Off Ramp	3.468	0.892	2.575	-	1.320	-	-
Hillsboro Blvd NB Off Ramp to Natura Blvd	3.316	0.854	2.462	-	1.320	-	-
<b>Single-vehicle</b>							
Hillsboro Blvd SW 12th Avenue to SB Off Ramp	0.116	0.024	0.092	-	0.860	-	-
Hillsboro Blvd SB Off Ramp to NB Off Ramp	0.261	0.054	0.207	-	0.860	-	-
Hillsboro Blvd NB Off Ramp to Natura Blvd	0.252	0.052	0.199	-	0.860	-	-
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
Hillsboro Blvd / SW 12th Avenue	8.891	3.262	5.629	-	0.390	-	-
Hillsboro Blvd / Natura Blvd	10.022	3.706	6.316	-	0.390	-	-
<b>Single-vehicle</b>							
Hillsboro Blvd / SW 12th Avenue	0.384	0.077	0.308	-	0.360	-	-
Hillsboro Blvd / Natura Blvd	0.421	0.082	0.339	-	0.360	-	-
COMBINED (sum of column)	28.588	9.380	19.207	-	--	--	-

Hillsboro Blvd Build 3							
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials							
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, $N_{observed}$ (crashes/year)	Overdispersion Parameter, k	Weighted adjustment, w Equation A-5 from Part C Appendix	Expected average crash frequency, $N_{expected}$ Equation A-4 from Part C Appendix
	$N_{predicted}$ (TOTAL)	$N_{predicted}$ (FI)	$N_{predicted}$ (PDO)				
<b>ROADWAY SEGMENTS</b>							
<b>Multiple-vehicle</b>							
Hillsboro Blvd SW 12th Avenue to SB Off Ramp	1.460	0.377	1.082	-	1.320	-	-
Hillsboro Blvd SB Off Ramp to NB Off Ramp	3.468	0.892	2.575	-	1.320	-	-
Hillsboro Blvd NB Off Ramp to Natura Blvd	3.322	0.856	2.467	-	1.320	-	-
<b>Single-vehicle</b>							
Hillsboro Blvd SW 12th Avenue to SB Off Ramp	0.116	0.024	0.092	-	0.860	-	-
Hillsboro Blvd SB Off Ramp to NB Off Ramp	0.261	0.054	0.207	-	0.860	-	-
Hillsboro Blvd NB Off Ramp to Natura Blvd	0.252	0.052	0.200	-	0.860	-	-
<b>INTERSECTIONS</b>							
<b>Multiple-vehicle</b>							
Hillsboro Blvd / SW 12th Avenue	8.907	3.268	5.638	-	0.390	-	-
Hillsboro Blvd / Natura Blvd	10.039	3.713	6.326	-	0.390	-	-
<b>Single-vehicle</b>							
Hillsboro Blvd / SW 12th Avenue	0.385	0.077	0.308	-	0.360	-	-
Hillsboro Blvd / Natura Blvd	0.421	0.082	0.339	-	0.360	-	-
COMBINED (sum of column)	28.631	9.396	19.235	-	--	--	-

Sample Road No-Build and Build												
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials												
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, N <sub>observed</sub> (crashes/year)		k Value		Weighted adjustment, w		Expected average crash frequency, N <sub>expected</sub>		
	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)	FI	PDO	FI	PDO	FI	PDO	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)
<b>Freeway Segment</b>												
<b>Sample Road Freeway Segment</b>												
Multiple-Vehicle	80.740	19.918	60.822	112	209	0.073	0.069	0.190	0.070	198.460	61.110	137.350
Single-vehicle	10.381	2.566	7.816	21	25	0.043	0.062	0.750	0.410	26.033	7.579	18.454
Total	91.121	22.484	68.638	133	234	--	--	--	--	224.493	68.689	155.804
<b>Ramp Speed Change Lane</b>												
<b>Merge Lanes</b>												
SB Merge from EB Sample	4.556	1.551	3.005	11	9	0.040	0.040	0.850	0.730	7.580	2.980	4.600
NB Merge from EB Sample	6.364	2.120	4.244	15	29	0.040	0.040	0.800	0.660	17.280	4.640	12.640
SB Merge from WB Sample	6.694	2.272	4.422	17	26	0.040	0.040	0.790	0.650	17.260	5.320	11.940
NB Merge from WB Sample	5.457	1.745	3.712	4	7	0.040	0.040	0.830	0.690	6.850	2.120	4.730
<b>Diverge Lanes</b>												
NB Diverge to Sample Road	1.508	0.450	1.058	4	6	0.560	0.630	0.570	0.330	6.340	1.980	4.360
SB Diverge to Sample	2.328	0.665	1.663	0	4	0.560	0.630	0.470	0.240	3.750	0.310	3.440
<b>Ramp Terminals</b>												
NB Ramp Terminal	6.056	1.962	4.094	1	0	0.190	0.270	0.480	0.230	2.410	1.460	0.950
SB Ramp Terminal	5.640	1.803	3.837	0	1	0.190	0.270	0.500	0.240	2.590	0.900	1.690
COMBINED (sum of column)	129.724	35.052	94.673	185	316	--	--	--	--	288.553	88.399	200.154



SW 10th Street No-Build												
Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials												
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, N <sub>observed</sub> (crashes/year)		k Value		Weighted adjustment, w		Expected average crash frequency, N <sub>expected</sub>		
	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)	FI	PDO	FI	PDO	FI	PDO	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)
<b>Freeway Segment</b>												
<b>SW 10th Street Freeway Segment</b>												
Multiple-Vehicle	104.746	24.353	80.393	75	147	0.039	0.037	0.260	0.100	202.130	61.890	140.240
Single-vehicle	18.269	4.117	14.152	18	22	0.023	0.033	0.779	0.414	25.929	7.179	18.750
Total	123.015	28.470	94.546	93	169	--	--	--	--	228.059	69.069	158.990
<b>Ramp Speed Change Lane</b>												
<b>Merge Lanes</b>												
SB Merge from SW 10th Street	8.493	3.074	5.419	13	26	0.040	0.040	0.740	0.600	19.240	5.670	13.570
NB Merge from SW 10th Street	8.215	2.967	5.248	10	14	0.040	0.040	0.750	0.610	13.410	4.760	8.650
<b>Diverge Lanes</b>												
NB Diverge to SW 10th Street	2.448	0.696	1.752	17	24	0.560	0.630	0.460	0.230	28.350	9.490	18.860
<b>Ramp Terminals</b>												
NB Ramp Terminal	19.256	4.145	15.111	2	0	0.110	0.250	0.440	0.080	3.990	2.750	1.240
SB Off Ramp Terminal	20.008	7.223	12.785	2	6	0.090	0.140	0.350	0.160	10.880	3.810	7.070
SB On Ramp Terminal	9.494	2.607	6.887	2	3	0.190	0.270	0.410	0.150	5.840	2.250	3.590
COMBINED (sum of column)	190.929	49.182	141.747	139.000	242.000	--	--	--	--	309.769	97.799	211.970

<b>SW 10th Street Build Options</b>									
<b>Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials</b>									
<b>Collision type / Site type</b>	<b>Build 1</b>			<b>Build 2</b>			<b>Build 3</b>		
	<b>Predicted average crash frequency (crashes/year)</b>			<b>Predicted average crash frequency (crashes/year)</b>			<b>Predicted average crash frequency (crashes/year)</b>		
	$N_{\text{predicted}}$ (TOTAL)	$N_{\text{predicted}}$ (FI)	$N_{\text{predicted}}$ (PDO)	$N_{\text{predicted}}$ (TOTAL)	$N_{\text{predicted}}$ (FI)	$N_{\text{predicted}}$ (PDO)	$N_{\text{predicted}}$ (TOTAL)	$N_{\text{predicted}}$ (FI)	$N_{\text{predicted}}$ (PDO)
<b>Freeway Segment 1</b>									
Multiple-Vehicle	104.284	27.763	76.521	100.538	26.939	73.599	101.000	27.036	73.964
Single-vehicle	18.189	4.451	13.738	17.895	4.394	13.501	17.939	4.403	13.536
Total	122.473	32.214	90.259	118.433	31.333	87.100	118.939	31.439	87.500
<b>Freeway Segment 2</b>									
Multiple-Vehicle	22.034	5.434	16.600	20.303	5.083	15.220	19.424	4.902	14.522
Single-vehicle	4.588	1.066	3.522	4.422	1.036	3.386	4.335	1.020	3.315
Total	26.622	6.500	20.122	24.725	6.119	18.606	23.759	5.922	17.837
<b>Collector-Distributor Road</b>									
SW 10th Street NB On-Ramp C-D Road	5.575	2.07	3.50	7.943	3.24	4.70	11.879	5.60	6.28
<b>Ramp Terminals</b>									
NB Ramp Terminal	29.934	11.60	18.33	33.668	12.75	20.92	39.331	14.57	24.76
SB Off/On Ramp Terminal	30.284	10.41	19.88	40.678	13.84	26.83	57.086	19.29	37.79
COMBINED (sum of column)	214.889	62.800	152.088	225.446	67.291	158.155	250.993	76.828	174.165

<b>Hillsboro Blvd No-Build</b>												
<b>Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials</b>												
Collision type / Site type	Predicted average crash frequency (crashes/year)			Observed crashes, N <sub>observed</sub> (crashes/year)		k Value		Weighted adjustment, w		Expected average crash frequency, N <sub>expected</sub>		
	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)	FI	PDO	FI	PDO	FI	PDO	N <sub>predicted</sub> (TOTAL)	N <sub>predicted</sub> (FI)	N <sub>predicted</sub> (PDO)
<b>Freeway Segment</b>												
<b>Hillsboro Blvd Freeway Segment</b>												
Multiple-Vehicle	82.943	20.748	62.195	115	222	0.064	0.060	0.210	0.090	305.060	96.140	208.920
Single-vehicle	11.098	2.504	8.594	16	21	0.038	0.055	0.780	0.415	21.319	5.472	15.847
Total	94.041	23.252	70.789	131	243	--	--	--	--	326.379	101.612	224.767
<b>Ramp Speed Change Lane</b>												
<b>Merge Lanes</b>												
SB Merge from WB Hillsboro Blvd	6.050	2.020	4.030	30	38	0.040	0.040	0.810	0.670	22.450	7.290	15.160
<b>Diverge Lanes</b>												
NB Diverge to EB Hillsboro Blvd	2.240	0.640	1.600	2	4	0.560	0.630	0.480	0.250	4.750	1.350	3.400
<b>Ramp Terminals</b>												
NB to EB Ramp Terminal*	14.640	6.650	7.990	--	--	--	--	--	--	14.640	6.650	7.990
SB Off Ramp Terminal	13.890	6.500	7.390	3	1	0.090	0.140	0.450	0.220	6.870	4.300	2.570
*The traffic signal at this ramp terminal was built in 2018. As such it did not exist during the period of the crash data and the EB Method can't be applied for the site												
COMBINED (sum of column)	130.861	39.062	91.799	166.000	286.000	--	--	--	--	375.089	121.202	253.887

<b>Hillsboro Blvd Build Options</b>									
<b>Predicted Crashes by Severity and Site Type and Observed Crashes Using the Site-Specific EB Method for Urban and Suburban Arterials</b>									
<b>Collision type / Site type</b>	<b>Build 1</b>			<b>Build 2</b>			<b>Build 3</b>		
	<b>Predicted average crash frequency (crashes/year)</b>			<b>Predicted average crash frequency (crashes/year)</b>			<b>Predicted average crash frequency (crashes/year)</b>		
	<b>N<sub>predicted</sub> (TOTAL)</b>	<b>N<sub>predicted</sub> (FI)</b>	<b>N<sub>predicted</sub> (PDO)</b>	<b>N<sub>predicted</sub> (TOTAL)</b>	<b>N<sub>predicted</sub> (FI)</b>	<b>N<sub>predicted</sub> (PDO)</b>	<b>N<sub>predicted</sub> (TOTAL)</b>	<b>N<sub>predicted</sub> (FI)</b>	<b>N<sub>predicted</sub> (PDO)</b>
<b>Freeway Segment 1</b>									
Multiple-Vehicle	29.665	6.910	22.755	29.777	6.932	22.845	31.733	7.300	24.433
Single-vehicle	5.204	1.174	4.030	5.213	1.176	4.037	5.364	1.202	4.162
<b>Total</b>	<b>34.869</b>	<b>8.084</b>	<b>26.785</b>	<b>34.990</b>	<b>8.107</b>	<b>26.883</b>	<b>37.098</b>	<b>8.502</b>	<b>28.595</b>
<b>Freeway Segment 2</b>									
Multiple-Vehicle	32.501	8.538	23.963	34.593	8.986	25.606	38.624	9.835	28.788
Single-vehicle	6.865	1.695	5.170	7.060	1.733	5.327	7.419	1.802	5.617
<b>Total</b>	<b>39.366</b>	<b>10.233</b>	<b>29.133</b>	<b>41.653</b>	<b>10.719</b>	<b>30.934</b>	<b>46.043</b>	<b>11.637</b>	<b>34.406</b>
<b>Ramp Speed Change Lane</b>									
<b>Merge Lanes</b>									
SB Merge from Hillsboro Blvd	7.161	2.63	4.53	7.145	2.60	4.55	7.450	2.71	4.74
NB Merge From Hillsboro Blvd	4.856	1.12	3.74	4.870	1.12	3.75	5.080	1.17	3.91
<b>Diverge Lanes</b>									
NB Diverge to Hillsboro Blvd	1.450	0.43	1.02	1.452	0.43	1.02	1.500	0.45	1.05
SB Diverge to 10th Street	0.670	0.23	0.44	0.668	0.23	0.44	0.690	0.24	0.45
<b>Connector-Distributor Road</b>									
Hillsboro NB On-Ramp CD Road	1.270	0.45	0.82	1.260	0.45	0.81	1.240	0.44	0.80
Hillsboro SB On-Ramp CD Road	1.722	0.65	1.07	1.587	0.59	1.00	1.610	0.60	1.01
<b>Ramp Terminals</b>									
NB Off Ramp Terminal	20.990	9.45	11.54	21.019	9.41	11.61	21.190	9.49	11.70
SB Off Ramp Terminal	13.950	6.52	7.43	14.177	6.64	7.54	14.190	6.64	7.55
<b>COMBINED (sum of column)</b>	<b>126.303</b>	<b>39.792</b>	<b>86.511</b>	<b>128.822</b>	<b>40.297</b>	<b>88.525</b>	<b>136.090</b>	<b>41.879</b>	<b>94.211</b>



## Search Results

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▶ Star Quality Rating

- 1 (0)
- 2 (16)
- 3 (53)
- 4 (28)
- 5 (4)

▶ Country

- U.S. & Canada (96)
- International (10)

▶ Crash Type

▶ Crash Severity

▶ Roadway Type

▶ Area Type

▶ Intersection Type

▶ Intersection Geometry

▶ Traffic Control

▶ In HSM

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Category: Access management (10)

Category: Delineation (30)

Category: Interchange design (2)

Category: Roadside (5)

Category: Roadway (24)

Subcategory: Number of lanes (21)

Countermeasure: Increase from 4 lanes to 6 lanes

<a href="#">Compare</a>	CMF	CRF(%)	Quality	Crash Type	Crash Severity	Area Type	Reference	Comments
<input type="checkbox"/>	0.85	15	★★★★★	All	All	Urban	Park et al., 2015	
<input type="checkbox"/>	0.847	15.3	★★★★★	All	All	Urban	Park et al., 2015	CMF after 2nd year of ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.798	20.2	★★★★★	All	All	Urban	Park et al., 2015	CMF after 3rd year of ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.802	19.8	★★★★★	All	All	Urban	Park et al., 2015	CMF after 4th year of ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.761	23.9	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	
<input type="checkbox"/>	0.755	24.5	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	CMF after 2nd year of ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.696	30.4	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	CMF after 3rd year of ... <a href="#">[read more]</a>

<input type="checkbox"/>	0.702	29.8	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	CMF after 4th year of ... [read more]
<input type="checkbox"/>	0.809	19.1	★★★★★	All	All	Urban	Park et al., 2015	LOS change from E (4 ... [read more]
<input type="checkbox"/>	0.657	34.3	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	LOS change from E (4 ... [read more]
<input type="checkbox"/>	0.737	26.3	★★★★★	All	All	Urban	Park et al., 2015	Shoulder width of 6 feet ... [read more]
<input type="checkbox"/>	0.702	29.8	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	Shoulder width of 6 feet ... [read more]
<input type="checkbox"/>	0.901	9.9	★★★★★	All	All	Urban	Park et al., 2015	CMF after 1st year of ... [read more]
<input type="checkbox"/>	0.841	15.9	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	CMF after 1st year of ... [read more]
<input type="checkbox"/>	0.853	14.7	★★★★★	All	All	Urban	Park et al., 2015	LOS change from E (4 ... [read more]
<input type="checkbox"/>	0.918	8.2	★★★★★	All	All	Urban	Park et al., 2015	LOS change from D (4 ... [read more]
<input type="checkbox"/>	0.742	25.8	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	LOS change from E (4 ... [read more]
<input type="checkbox"/>	0.868	13.2	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	LOS change from D (4 ... [read more]
<input type="checkbox"/>	0.916	8.4	★★★★★	All	All	Urban	Park et al., 2015	Shoulder width of 4 feet ... [read more]
<input type="checkbox"/>	0.807	19.3	★★★★★	All	K,A,B,C	Urban	Park et al., 2015	Shoulder width of 4 feet ... [read more]
<input type="checkbox"/>	1.25	-25	★★★★★	All	All	Urban	Kononov et al., 2008	

[Compare](#) [Reset Compare](#)

*\*NOTE: You can compare CMFs across countermeasures, subcategories, and categories.*

Subcategory: Lane width (3)

Category: Shoulder treatments (25)

Category: Speed management (10)

## Search Results Without Star Ratings

There were no CMFs returned for the search that do not have star ratings.

[Export All Results To Excel](#)

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This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

For more information, contact Karen Scurry at [karen.scurry@dot.gov](mailto:karen.scurry@dot.gov)

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## Study Details

**Study Title:** Assessment of safety effects for widening urban roadways in developing crash modification functions using nonlinearizing link functions

**Authors:** Park et al.

**Publication Date:** MAR, 2015

**Abstract:** Since a crash modification factor (CMF) represents the overall safety performance of specific treatments in a single fixed value, there is a need to explore the variation of CMFs with different roadway characteristics among treated sites over time. Therefore, in this study, we (1) evaluate the safety performance of a sample of urban four-lane roadway segments that have been widened with one through lane in each direction and (2) determine the relationship between the safety effects and different roadway characteristics over time. Observational before-after analysis with the empirical Bayes (EB) method was assessed in this study to evaluate the safety effects of widening urban four-lane roadways to six-lanes. Moreover, the nonlinearizing link functions were utilized to achieve better performance of crash modification functions (CMFunctions). The CMFunctions were developed using a Bayesian regression method including the estimated nonlinearizing link function to incorporate the changes in safety effects of the treatment over time. Data was collected for urban arterials in Florida, and the Florida-specific full SPFs were developed and used for EB estimation. The results indicated that the conversion of four-lane roadways to six-lane roadways resulted in a crash reduction of 15 percent for total crashes, and 24 percent for injury crashes on urban roadways. The results show that the safety effects vary across the sites with different roadway characteristics. In particular, LOS changes, time changes, and shoulder widths are significant parameters that affect the variation of CMFs. Moreover, it was found that narrowing shoulder and median widths to make space for an extra through lane shows a negative safety impact. It was also found that including the nonlinearizing link functions in developing CMFunctions shows more reliable estimates, if the variation of CMFs with specific parameters has a nonlinear relationship. The findings provide insights into the selection of roadway sites for adding through lanes.

**Study Citation:** Park, J., M. Abdel-Aty, J. Wang, and C. Lee. "Assessment of safety effects for widening urban roadways in developing crash modification functions using nonlinearizing link functions". Accident Analysis and Prevention, Vol. 79, (2015) pp. 80-87.

## CMFs Associated With This Study

**Category:** Roadway

**Countermeasure:** Increase from 4 lanes to 6 lanes

CMF	CRF(%)	Quality	Crash Type	Crash Severity	Roadway Type	Area Type
<a href="#">0.85</a>	<a href="#">15</a>	★★★★★	All	All	Not specified	Urban
<a href="#">0.901</a>	<a href="#">9.9</a>	★★★★☆	All	All	Not specified	Urban
<a href="#">0.847</a>	<a href="#">15.3</a>	★★★★☆	All	All	Not specified	Urban
<a href="#">0.798</a>	<a href="#">20.2</a>	★★★★☆	All	All	Not specified	Urban
<a href="#">0.802</a>	<a href="#">19.8</a>	★★★★☆	All	All	Not specified	Urban
<a href="#">0.761</a>	<a href="#">23.9</a>	★★★★☆	All	K,A,B,C	Not specified	Urban
<a href="#">0.841</a>	<a href="#">15.9</a>	★★★★☆	All	K,A,B,C	Not specified	Urban
<a href="#">0.755</a>	<a href="#">24.5</a>	★★★★☆	All	K,A,B,C	Not specified	Urban
<a href="#">0.696</a>	<a href="#">30.4</a>	★★★★☆	All	K,A,B,C	Not specified	Urban



<a href="#">0.702</a>	<a href="#">29.8</a>	★★★★★	All	K,A,B,C	Not specified	Urban
<a href="#">0.809</a>	<a href="#">19.1</a>	★★★★★	All	All	Not specified	Urban
<a href="#">0.853</a>	<a href="#">14.7</a>	★★★★★	All	All	Not specified	Urban
<a href="#">0.918</a>	<a href="#">8.2</a>	★★★★★	All	All	Not specified	Urban
<a href="#">0.657</a>	<a href="#">34.3</a>	★★★★★	All	K,A,B,C	Not specified	Urban
<a href="#">0.742</a>	<a href="#">25.8</a>	★★★★★	All	K,A,B,C	Not specified	Urban
<a href="#">0.868</a>	<a href="#">13.2</a>	★★★★★	All	K,A,B,C	Not specified	Urban
<a href="#">0.916</a>	<a href="#">8.4</a>	★★★★★	All	All	Not specified	Urban
<a href="#">0.807</a>	<a href="#">19.3</a>	★★★★★	All	K,A,B,C	Not specified	Urban
<a href="#">0.737</a>	<a href="#">26.3</a>	★★★★★	All	All	Not specified	Urban
<a href="#">0.702</a>	<a href="#">29.8</a>	★★★★★	All	K,A,B,C	Not specified	Urban

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For more information, contact Karen Scurry at karen.scurry@dot.gov

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State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93222000 STATE ROUTE: 9  
ROADWAY LIMITS: NB I-95 from Hillsboro Blvd to Palmetto Park Road M.P. 25.013 TO 1.354 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
828801200	1	25.162	03/21/12	Wed	1559	Sideswipe	0	0	1	Day	Dry	#N/A
832022700	2	25.162	10/01/12	Mon	1403	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
828813660	3	0.040	08/10/12	Fri	2044	Rear-End	0	0	1	Night	Dry	Drove too Fast for Conditions
832047000	4	0.040	09/14/12	Fri	1940	Sideswipe	0	0	1	Night	Dry	Other Contributing Action
828613930	2	0.054	02/08/12	Wed	0640	Sideswipe	0	0	1	Night	Dry	#N/A
819681720	6	0.290	08/25/12	Sat	0039	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
828529220	7	0.340	01/26/12	Thu	0750	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
829078980	1	0.350	05/29/12	Tue	1801	Other Non-Collision	0	0	1	Day	Dry	No Contributing Action
828747670	2	0.540	04/24/12	Tue	1420	Overturn/Rollover	0	1	0	Day	Dry	No Contributing Action
831784250	3	0.540	09/23/12	Sun	0940	Other Non-Collision	0	1	0	Day	Wet	Failed To Keep In Proper Lane
831989050	4	0.540	12/16/12	Sun	2130	Overturn/Rollover	0	1	0	Night	Wet	Other Contributing Action
831988810	3	0.540	10/28/12	Sun	0435	Concrete Traffic Barrier	0	1	0	Night	Dry	Other Contributing Action
831877980	4	0.540	10/11/12	Thu	1616	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
72571090	5	0.540	08/03/12	Fri	1150	Other Non-Fixed Object	0	1	0	Day	Dry	No Contributing Action
828747170	6	0.540	01/17/12	Tue	1605	Rear-End	0	1	0	Night	Dry	No Contributing Action
829107120	5	0.540	04/24/12	Tue	1512	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
831823740	6	0.540	09/23/12	Sun	0902	Angle	0	0	1	Day	Dry	No Contributing Action
831817810	9	0.790	07/20/12	Fri	0832	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
820586710	19	1.040	01/10/12	Tue	1215	Concrete Traffic Barrier	1	0	0	Day	Dry	Other Contributing Action
828747060	20	1.040	05/22/12	Tue	1852	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
829107480	21	1.040	06/23/12	Sat	2305	Sideswipe	0	0	1	Night	Wet	#N/A
832016410	22	1.040	09/27/12	Thu	0653	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
832047070	23	1.040	10/01/12	Mon	1815	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
832244430	7	1.040	11/21/12	Wed	1754	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
828671350	8	1.040	02/02/12	Thu	1835	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
828830560	26	1.040	04/16/12	Mon	0851	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
831988620	27	1.040	09/11/12	Tue	1720	Rear-End	0	0	1	Day	Dry	#N/A
832574400	28	1.040	12/13/12	Thu	1037	Jackknife	0	1	0	Day	Wet	Swerved Or Avoided
831726550	9	1.240	10/23/12	Tue	1226	Concrete Traffic Barrier	0	1	0	Day	Dry	Careless or Negligent Manner
828659150	10	1.240	07/26/12	Thu	1730	Rear-End	0	3	0	Day	Dry	Other Contributing Action
832265170	11	1.240	10/10/12	Wed	0859	Rear-End	0	1	0	Day	Dry	#N/A
831642140	32	1.290	09/22/12	Sat	1434	Concrete Traffic Barrier	0	0	1	Day	Wet	No Contributing Action
828671690	33	1.290	03/25/12	Sun	1603	Concrete Traffic Barrier	0	0	1	Day	Dry	No Contributing Action
832353630	34	1.290	12/21/12	Fri	0127	Rear-End	0	2	0	Night	Dry	Careless or Negligent Manner
828671290	35	1.290	01/24/12	Tue	1647	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
828671300	36	1.290	01/24/12	Tue	1741	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
829121350	37	1.290	08/08/12	Wed	0933	Sideswipe	0	0	1	Day	Dry	#N/A

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93222000 STATE ROUTE: 9  
ROADWAY LIMITS: NB I-95 from Hillsboro Blvd to Palmetto Park Road M.P. 25.013 TO 1.354 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
831527890	38	1.290	08/20/12	Mon	0750	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
831527900	39	1.290	08/20/12	Mon	0825	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
832016520	40	1.290	10/04/12	Thu	0946	Rear-End	0	1	0	Day	Dry	Drove too Fast for Conditions
831642170	41	1.290	10/08/12	Mon	1741	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
832340750	42	1.290	10/22/12	Mon	0825	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
828671770	43	1.290	04/01/12	Sun	1445	Not Coded	0	0	1	Day	Dry	Other Contributing Action
832504950	44	1.290	12/14/12	Fri	1718	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
828555850	45	1.340	02/21/12	Tue	1802	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
828659160	46	1.340	07/26/12	Thu	1745	Rear-End	0	2	0	Day	Dry	Other Contributing Action
836760550	47	25.041	11/12/13	Tue	0843	Rear-End	0	0	1	Day	Dry	Other Contributing Action
832870770	48	0.100	04/23/13	Tue	1457	Other Non-Fixed Object	0	0	1	Day	Dry	No Contributing Action
833314200	49	0.282	09/02/13	Mon	1835	Concrete Traffic Barrier	0	1	0	Night	Wet	Careless or Negligent Manner
837091690	50	0.490	11/08/13	Fri	1631	Rear-End	0	0	1	Day	Wet	Followed too Closely
820034720	51	0.540	05/12/13	Sun	0355	Other Fixed Object	1	0	0	Night	Dry	Failed To Keep In Proper Lane
836565490	52	0.540	09/29/13	Sun	0233	Overturn/Rollover	0	2	0	Night	Dry	Swerved Or Avoided
833152830	53	0.540	05/18/13	Sat	1450	Not Coded	0	0	1	Day	Dry	Careless or Negligent Manner
832710060	54	0.540	07/18/13	Thu	0841	Rear-End	0	0	1	Day	Wet	No Contributing Action
836730600	55	0.650	09/23/13	Mon	0805	Concrete Traffic Barrier	0	0	1	Day	Dry	Careless or Negligent Manner
832671670	56	1.040	04/26/13	Fri	1134	Concrete Traffic Barrier	0	1	0	Day	Dry	No Contributing Action
836886360	57	1.040	09/29/13	Sun	0945	Concrete Traffic Barrier	0	0	1	Day	Dry	Over-Correcting/Over-Steering
832671560	58	1.040	04/12/13	Fri	1238	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
832875560	59	1.040	04/08/13	Mon	1018	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
833125660	60	1.040	06/13/13	Thu	1340	Not Coded	0	0	1	Day	Dry	Failed To Keep In Proper Lane
832716860	61	1.040	03/01/13	Fri	1230	Other Non-Fixed Object	0	0	1	Day	Dry	No Contributing Action
836427790	62	1.040	08/07/13	Wed	0805	Other Non-Fixed Object	0	1	0	Day	Dry	No Contributing Action
832428310	63	1.290	03/23/13	Sat	1452	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
833125750	64	1.290	07/09/13	Tue	1430	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
832876110	65	1.290	09/04/13	Wed	0720	Not Coded	0	0	1	Day	Wet	Drove too Fast for Conditions
836921920	66	1.290	10/21/13	Mon	0843	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
837190260	67	1.290	11/21/13	Thu	1445	Sideswipe	0	0	1	Day	Wet	Failed To Keep In Proper Lane
832602950	68	1.290	04/09/13	Tue	0846	Rear-End	0	1	0	Day	Dry	Other Contributing Action
836768890	69	1.290	11/26/13	Tue	2203	Sideswipe	0	0	1	Night	Dry	#N/A
833061670	70	1.340	07/16/13	Tue	1810	Rear-End	0	2	0	Day	Dry	Other Contributing Action
837086880	71	1.340	12/05/13	Thu	0920	Struck by Falling/Shifting Cargo	0	0	1	Day	Dry	Other Contributing Action
833360790	72	1.351	05/29/13	Wed	1400	Not Coded	0	0	1	Day	Wet	#N/A
836591300	73	1.351	08/11/13	Sun	0427	Not Coded	0	0	1	Night	Dry	No Contributing Action
837335230	74	1.351	12/23/13	Mon	0110	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93222000 STATE ROUTE: 9  
ROADWAY LIMITS: NB I-95 from Hillsboro Blvd to Palmetto Park Road M.P. 25.013 TO 1.354 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
838173840	75	25.041	07/04/14	Fri	1347	Concrete Traffic Barrier	0	1	0	Day	Dry	No Contributing Action
837225670	76	25.041	03/10/14	Mon	1300	Angle	0	1	0	Day	Dry	Other Contributing Action
837517150	77	25.041	04/15/14	Tue	0801	Rear-End	0	0	1	Day	Dry	Other Contributing Action
837887730	78	0.240	08/05/14	Tue	1759	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
845009850	79	0.540	09/12/14	Fri	0455	Concrete Traffic Barrier	0	2	0	Night	Wet	Drove too Fast for Conditions
844915020	80	0.540	10/28/14	Tue	1732	Rear-End	0	0	1	Day	Dry	Followed too Closely
838080000	81	0.540	05/13/14	Tue	1730	Rear-End	0	0	1	Day	Dry	Other Contributing Action
837960860	82	0.540	04/26/14	Sat	0315	Rear-End	0	2	0	Night	Dry	Careless or Negligent Manner
838080150	83	0.540	06/13/14	Fri	1700	Rear-End	0	0	1	Day	Wet	Drove too Fast for Conditions
838179750	84	0.540	06/20/14	Fri	0755	Not Coded	0	3	0	Day	Dry	Other Contributing Action
837961380	85	0.540	09/06/14	Sat	0950	Sideswipe	0	0	1	Day	Dry	Improper Passing
837707040	86	0.790	03/21/14	Fri	1733	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
836887030	87	1.040	03/02/14	Sun	1235	Concrete Traffic Barrier	0	1	0	Day	Dry	Over-Correcting/Over-Steering
844985040	88	1.040	11/26/14	Wed	1128	Concrete Traffic Barrier	0	0	1	Day	Wet	No Contributing Action
837092170	89	1.040	02/28/14	Fri	1540	Sideswipe	0	0	1	Day	Dry	No Contributing Action
844929680	90	1.040	10/12/14	Sun	0252	Not Coded	0	5	0	Night	Dry	Careless or Negligent Manner
838109200	91	1.040	10/15/14	Wed	1700	Rear-End	0	1	0	Night	Wet	Followed too Closely
837190830	92	1.040	06/13/14	Fri	1640	Sideswipe	0	0	1	Day	Wet	#N/A
838156300	93	1.040	07/23/14	Wed	1010	Head-On	0	2	0	Day	Wet	No Contributing Action
837887690	94	1.040	08/01/14	Fri	1732	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
838080020	95	1.040	05/16/14	Fri	1730	Rear-End	0	0	1	Day	Dry	No Contributing Action
844830530	96	1.040	10/01/14	Wed	1850	Rear-End	0	0	1	Day	Dry	Other Contributing Action
844830540	97	1.040	10/01/14	Wed	1850	Rear-End	0	0	1	Day	Dry	Other Contributing Action
845324510	98	1.040	11/17/14	Mon	1835	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
844972840	99	1.040	12/04/14	Thu	0800	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
844790380	100	1.048	07/23/14	Wed	1042	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
837887680	101	1.120	08/01/14	Fri	1730	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837398110	102	1.140	03/24/14	Mon	1845	Sideswipe	0	0	1	Night	Wet	#N/A
844929770	103	1.140	10/12/14	Sun	0255	Not Coded	0	3	0	Night	Dry	Other Contributing Action
837887500	104	1.180	07/11/14	Fri	1745	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
838156250	105	1.240	07/10/14	Thu	0018	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
837736800	106	1.240	05/05/14	Mon	1038	Angle	0	2	0	Day	Dry	Careless or Negligent Manner
837570410	107	1.240	05/14/14	Wed	0850	Head-On	0	1	0	Day	Wet	Drove too Fast for Conditions
829068470	108	1.256	01/08/14	Wed	2131	Concrete Traffic Barrier	0	0	1	Night	Wet	Drove too Fast for Conditions
844955170	109	1.256	08/28/14	Thu	1024	Sideswipe	0	0	1	Day	Wet	Other Contributing Action
844790430	110	1.256	08/07/14	Thu	1115	Not Coded	0	1	0	Day	Dry	Careless or Negligent Manner
838112380	111	1.290	07/17/14	Thu	0748	Other Non-Collision	0	1	0	Day	Dry	Careless or Negligent Manner

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93222000 STATE ROUTE: 9  
ROADWAY LIMITS: NB I-95 from Hillsboro Blvd to Palmetto Park Road M.P. 25.013 TO 1.354 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
845169960	112	1.290	11/22/14	Sat	1219	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
845324570	113	1.290	11/26/14	Wed	1209	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837575690	114	1.290	05/22/14	Thu	0000	Other Non-Fixed Object	0	0	1	Night	Dry	No Contributing Action
838128000	115	1.290	08/04/14	Mon	0942	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
845017170	116	1.290	10/04/14	Sat	0200	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
845394490	117	1.290	11/24/14	Mon	0640	Other Non-Fixed Object	0	0	1	Night	Dry	No Contributing Action
838112230	118	1.290	06/24/14	Tue	0830	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
819755270	119	1.290	10/28/14	Tue	1725	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
845394550	120	1.290	12/04/14	Thu	1025	Rear-End	0	2	0	Day	Dry	Drove too Fast for Conditions
845170070	121	1.290	12/10/14	Wed	0829	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837736710	122	1.340	04/19/14	Sat	0030	Sideswipe	0	0	1	Night	Dry	#N/A
828862440	123	1.340	09/04/14	Thu	0800	Rear-End	0	0	1	Day	Wet	Followed too Closely
820114000	124	1.340	03/27/14	Thu	1657	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
844854970	125	1.351	10/26/14	Sun	0058	Pedestrian	1	0	0	Night	Dry	#N/A
837397910	126	1.351	02/14/14	Fri	2200	Concrete Traffic Barrier	0	0	1	Night	Dry	Over-Correcting/Over-Steering
837960950	127	1.351	05/06/14	Tue	0315	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
837583730	128	1.351	02/05/14	Wed	1715	Sideswipe	0	0	1	Day	Wet	Followed too Closely
837613410	129	1.351	06/13/14	Fri	1700	Rear-End	0	0	1	Day	Wet	No Contributing Action
837353130	130	1.351	11/26/14	Wed	1304	Sideswipe	0	0	1	Day	Wet	Careless or Negligent Manner
851147090	131	25.013	05/12/15	Tue	2356	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
851239760	132	25.162	06/21/15	Sun	0000	Not Coded	0	1	0	Night	Dry	Careless or Negligent Manner
852014420	133	25.162	10/30/15	Fri	0426	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
845688480	134	0.040	02/21/15	Sat	2234	Concrete Traffic Barrier	0	1	0	Night	Dry	Careless or Negligent Manner
851169000	135	0.328	09/03/15	Thu	0240	Sideswipe	0	0	1	Night	Dry	Careless or Negligent Manner
851976560	136	0.340	12/16/15	Wed	2015	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
845105830	137	0.540	01/08/15	Thu	1245	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
845475890	138	0.540	03/06/15	Fri	0610	Sideswipe	0	0	1	Night	Dry	#N/A
848826130	139	0.540	03/15/15	Sun	1430	Other Non-Collision	0	0	1	Day	Dry	No Contributing Action
848862720	140	0.577	08/02/15	Sun	1050	Other Non-Collision	0	0	1	Day	Wet	Over-Correcting/Over-Steering
849005160	141	0.577	06/27/15	Sat	0610	Other Non-Collision	0	0	1	Night	Dry	No Contributing Action
851505120	142	0.577	11/02/15	Mon	1850	Rear-End	0	5	0	Night	Dry	No Contributing Action
852486710	143	0.790	12/20/15	Sun	1432	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
851385550	144	0.877	09/10/15	Thu	0000	Sideswipe	0	0	1	Night	Dry	#N/A
851982380	145	0.972	12/11/15	Fri	1549	Sideswipe	0	0	1	Day	Dry	#N/A
851381880	146	0.977	08/27/15	Thu	1725	Rear-End	0	0	1	Day	Dry	Followed too Closely
851783750	147	1.040	11/15/15	Sun	2011	Concrete Traffic Barrier	0	2	0	Night	Dry	Other Contributing Action
848829800	148	1.040	07/17/15	Fri	1840	Rear-End	0	1	0	Night	Wet	Other Contributing Action

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93222000 STATE ROUTE: 9  
 ROADWAY LIMITS: NB I-95 from Hillsboro Blvd to Palmetto Park Road M.P. 25.013 TO 1.354 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
820626740	149	1.040	02/19/15	Thu	1735	Rear-End	0	0	1	Night	Dry	Followed too Closely
845475860	150	1.040	03/02/15	Mon	0900	Sideswipe	0	0	1	Day	Dry	#N/A
845325700	151	1.040	03/03/15	Tue	1600	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
851783760	152	1.040	11/17/15	Tue	1736	Rear-End	0	0	1	Night	Dry	Drove too Fast for Conditions
848830900	153	1.040	03/18/15	Wed	1600	Rear-End	0	0	1	Day	Dry	No Contributing Action
852541520	154	1.067	12/29/15	Tue	1014	Rear-End	0	0	1	Day	Dry	Followed too Closely
851373470	155	1.077	11/16/15	Mon	0300	Other Non-Collision	0	0	1	Night	Dry	Other Contributing Action
851107600	156	1.077	05/18/15	Mon	0939	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
833148500	157	1.077	08/17/15	Mon	0918	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
851107640	158	1.077	05/27/15	Wed	0728	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
848826830	159	1.077	10/11/15	Sun	1845	Angle	0	2	0	Day	Wet	No Contributing Action
851307120	160	1.077	06/01/15	Mon	0842	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
851505130	161	1.077	11/04/15	Wed	1750	Rear-End	0	0	1	Night	Dry	No Contributing Action
851385830	162	1.077	11/25/15	Wed	1426	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
848973800	163	1.104	04/12/15	Sun	0134	Ditch	0	1	0	Night	Dry	No Contributing Action
851994480	164	1.177	11/11/15	Wed	1750	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
851976090	165	1.240	09/17/15	Thu	0325	Concrete Traffic Barrier	0	1	0	Night	Wet	Other Contributing Action
845328070	166	1.256	02/13/15	Fri	1920	Rear-End	0	0	1	Night	Dry	#N/A
848841260	167	1.277	04/01/15	Wed	2155	Concrete Traffic Barrier	0	1	0	Night	Dry	Failed To Keep In Proper Lane
849005240	168	1.277	07/05/15	Sun	0940	Angle	0	4	0	Day	Dry	Careless or Negligent Manner
845688470	169	1.290	02/21/15	Sat	0450	Parked Motor Vehicle	0	0	1	Night	Dry	Careless or Negligent Manner
845326610	170	1.290	02/08/15	Sun	0537	Head-On	0	0	1	Night	Dry	Careless or Negligent Manner
845620720	171	1.290	01/10/15	Sat	1500	Rear-End	0	0	1	Day	Dry	No Contributing Action
848841100	172	1.290	12/03/15	Thu	1750	Rear-End	0	0	1	Night	Wet	Drove too Fast for Conditions
848826200	173	1.327	04/03/15	Fri	1830	Sideswipe	0	0	1	Day	Dry	No Contributing Action
845688850	174	1.327	05/29/15	Fri	1719	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
848826230	175	1.327	04/08/15	Wed	1635	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
848862490	176	1.327	05/13/15	Wed	0810	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
851917460	177	1.327	12/21/15	Mon	1750	Rear-End	0	1	0	Night	Dry	No Contributing Action
851917470	178	1.327	12/22/15	Tue	1703	Rear-End	0	0	1	Night	Dry	No Contributing Action
845324250	179	1.340	02/04/15	Wed	1642	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
848687530	180	1.340	02/19/15	Thu	1618	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
845324280	181	1.340	02/09/15	Mon	1401	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
845445050	182	1.350	04/06/15	Mon	0847	Rear-End	0	0	1	Day	Dry	No Contributing Action
851982480	183	1.351	12/29/15	Tue	1809	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
853184290	184	25.162	07/28/16	Thu	0900	Rear-End	0	1	0	Day	Dry	No Contributing Action
853512210	185	0.040	07/15/16	Fri	1925	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner



State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93222000 STATE ROUTE: 9  
ROADWAY LIMITS: NB I-95 from Hillsboro Blvd to Palmetto Park Road M.P. 25.013 TO 1.354 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
852795500	186	0.263	05/08/16	Sun	0153	Rear-End	0	0	1	Night	Dry	No Contributing Action
853489670	187	0.340	09/20/16	Tue	1855	Embankment	0	0	1	Night	Dry	Swerved Or Avoided
852540100	188	0.540	03/01/16	Tue	1820	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
853671320	189	0.540	11/08/16	Tue	1716	Sideswipe	0	0	1	Night	Dry	Careless or Negligent Manner
854231490	190	0.540	11/30/16	Wed	1800	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
853796650	191	0.540	12/13/16	Tue	1745	Rear-End	0	0	1	Night	Dry	Followed too Closely
853532080	192	0.540	10/20/16	Thu	1400	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
853986360	193	0.540	09/23/16	Fri	1703	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
853124220	194	0.577	05/25/16	Wed	0822	Sideswipe	0	0	1	Day	Dry	#N/A
853330790	195	0.790	07/11/16	Mon	2343	Other Non-Fixed Object	0	0	1	Night	Dry	No Contributing Action
853330580	196	0.827	06/10/16	Fri	1802	Not Coded	0	0	1	Day	Wet	Careless or Negligent Manner
853468050	197	1.040	08/13/16	Sat	0015	Concrete Traffic Barrier	0	0	1	Night	Dry	No Contributing Action
853096670	198	1.040	05/31/16	Tue	0845	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
853330920	199	1.040	07/28/16	Thu	1434	Rear-End	0	0	1	Day	Dry	#N/A
854140200	200	1.040	10/18/16	Tue	0933	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
853446410	201	1.040	07/29/16	Fri	0759	Rear-End	0	0	1	Day	Dry	No Contributing Action
853796590	202	1.040	12/07/16	Wed	1738	Sideswipe	0	0	1	Night	Dry	Improper Passing
852541720	203	1.040	02/11/16	Thu	0745	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
853307950	204	1.077	06/11/16	Sat	0845	Rear-End	0	0	1	Day	Dry	#N/A
852393860	205	1.140	02/05/16	Fri	0845	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
853489680	206	1.140	09/21/16	Wed	1721	Sideswipe	0	1	0	Day	Dry	No Contributing Action
854290000	207	1.140	12/09/16	Fri	1610	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853073940	208	1.161	05/08/16	Sun	0123	Sideswipe	0	1	0	Night	Dry	Careless or Negligent Manner
837321470	209	1.202	07/29/16	Fri	0635	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853366180	210	1.240	07/13/16	Wed	1230	Sideswipe	0	0	1	Day	Dry	#N/A
853362460	211	1.290	08/03/16	Wed	1750	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
853986780	212	1.290	11/11/16	Fri	1811	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
852148590	213	1.290	02/01/16	Mon	1645	Rear-End	0	1	0	Day	Wet	No Contributing Action
838060750	214	1.290	08/30/16	Tue	0800	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
853749630	215	1.290	09/13/16	Tue	1710	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
853362280	216	1.290	07/05/16	Tue	1655	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
853331040	217	1.290	08/05/16	Fri	1649	Rear-End	0	0	1	Day	Dry	Other Contributing Action
853986440	218	1.290	09/30/16	Fri	1750	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
852792340	219	1.327	05/09/16	Mon	1130	Sideswipe	0	0	1	Day	Dry	#N/A
854501050	220	1.340	12/21/16	Wed	1815	Rear-End	0	0	1	Night	Dry	Followed too Closely
853618370	221	1.340	09/17/16	Sat	1115	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
853489340	222	1.340	07/27/16	Wed	0805	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner

State of Florida Department of Transportation CRASH SUMMARY																
SECTION:		86070000/93222000										STATE ROUTE: 9				
ROADWAY LIMITS:		NB I-95 from Hillsboro Blvd to Palmetto Park Road							M.P. 25.013		TO 1.354		ENGINEER: AECOM			
STUDY PERIOD:		FROM 1/ 2012					TO 12/ 2016					COUNTY: Broward				
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE				FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)	
853489350	223	1.340	07/27/16	Wed	0805	Rear-End				0	0	1	Day	Dry	Careless or Negligent Manner	
853796350	224	1.340	11/04/16	Fri	1530	Sideswipe				0	0	1	Day	Dry	Improper Passing	
853552950	225	1.351	09/15/16	Thu	0930	Rear-End				0	0	1	Day	Dry	Followed too Closely	
852354300	226	1.351	03/28/16	Mon	1653	Rear-End				1	1	0	Day	Dry	Careless or Negligent Manner	
852861590	227	1.351	04/28/16	Thu	1707	Rear-End				0	0	1	Day	Dry	Careless or Negligent Manner	
	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	227	4	75	149	128	3	6	0	0	34	0	1	1	5	0	1
	Percent	1.76%	33.04%	65.64%	56.39%	1.32%	2.64%	0.00%	0.00%	14.98%	0.00%	0.44%	0.44%	2.20%	0.00%	0.44%
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
	Total	155	72	45	182	19	0	0	0	5	0	0	0	0	0	0
	Percent	68.28%	31.72%	19.82%	80.18%	8.37%	0.00%	0.00%	0.00%	2.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL ENTERING VEHICLES/ADT: 193,543										SPOT CRASH RATE -0.028 CRASHES PER MILLION ENTERING VEHICLES						

The data shown on this table was electronically obtained from FDOT CARS, the details have not been verified through crash report review.



State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93220000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from Palmetto Park Rd to Hillsboro Blvd M.P. 24.980 TO 1.373 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
832321340	1	25.062	12/05/12	Wed	1106	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
831937520	2	25.162	12/12/12	Wed	1456	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
828866100	3	25.162	05/21/12	Mon	2304	Rear-End	0	0	1	Night	Dry	No Contributing Action
831837550	4	25.162	12/17/12	Mon	1839	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
829079070	2	25.162	06/11/12	Mon	1715	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
832016640	6	25.162	11/15/12	Thu	0732	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
828800840	7	25.162	01/30/12	Mon	1651	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
828575230	1	25.162	02/01/12	Wed	1616	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
829078710	2	25.162	04/09/12	Mon	1835	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
828878460	3	25.162	04/26/12	Thu	1717	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
831482680	4	25.162	06/22/12	Fri	1614	Head-On	0	1	0	Day	Wet	Careless or Negligent Manner
832022730	3	25.162	10/02/12	Tue	1624	Rear-End	0	3	0	Day	Wet	Careless or Negligent Manner
831877970	4	25.162	10/11/12	Thu	0751	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
831459130	5	25.162	08/15/12	Wed	1821	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
831879940	6	25.162	10/29/12	Mon	0015	Sideswipe	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
829109520	5	25.262	08/21/12	Tue	0745	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
828295280	6	25.334	01/05/12	Thu	1817	Rear-End	0	0	1	Day	Dry	No Contributing Action
829107680	9	0.040	08/23/12	Thu	1705	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
829107730	19	0.040	09/05/12	Wed	1807	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
832047670	20	0.040	12/27/12	Thu	1832	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
831878390	21	0.100	11/29/12	Thu	1801	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
829079060	22	0.100	06/07/12	Thu	1725	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
828614110	23	0.159	06/22/12	Fri	1259	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
831526720	7	0.240	06/22/12	Fri	1250	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
831526710	8	0.240	06/22/12	Fri	1250	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
828683430	26	0.350	02/25/12	Sat	1748	Concrete Traffic Barrier	0	0	1	Night	Dry	#N/A
831878240	27	0.350	11/19/12	Mon	1700	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
832016890	28	0.350	12/29/12	Sat	1055	Rear-End	0	0	1	Day	Dry	No Contributing Action
828189790	9	0.540	01/29/12	Sun	0012	Angle	0	0	1	Night	Dry	Over-Correcting/Over-Steering
831947310	10	0.540	12/05/12	Wed	1813	Rear-End	0	0	1	Night	Dry	#N/A
831603430	11	0.540	08/23/12	Thu	1800	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
832047330	32	0.540	11/02/12	Fri	1622	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
829121060	33	0.650	06/13/12	Wed	0739	Rear-End	0	1	0	Day	Dry	Other Contributing Action
832244460	34	0.790	11/27/12	Tue	1812	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
828801110	35	0.790	03/13/12	Tue	1732	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
828683580	36	0.850	04/12/12	Thu	1656	Rear-End	0	0	1	Day	Dry	#N/A
828813550	37	0.850	06/01/12	Fri	2304	Rear-End	0	0	1	Night	Dry	#N/A

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93220000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from Palmetto Park Rd to Hillsboro Blvd M.P. 24.980 TO 1.373 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
831770430	38	1.040	10/26/12	Fri	0413	Concrete Traffic Barrier	0	0	1	Night	Wet	No Contributing Action
832244450	39	1.040	11/27/12	Tue	1542	Tree (Standing)	0	0	1	Day	Dry	Careless or Negligent Manner
831964350	40	1.040	12/11/12	Tue	1005	Concrete Traffic Barrier	0	1	0	Day	Dry	Swerved Or Avoided
829121340	41	1.040	08/08/12	Wed	0617	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
828242230	42	1.040	01/19/12	Thu	1604	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
828242570	43	1.040	04/12/12	Thu	1645	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
831603280	44	1.040	07/22/12	Sun	1724	Sideswipe	0	1	0	Day	Wet	Failed To Keep In Proper Lane
832047230	45	1.040	10/24/12	Wed	1641	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
819764960	46	1.040	10/02/12	Tue	1745	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
828659010	47	1.077	03/20/12	Tue	1615	Rear-End	0	3	0	Day	Dry	No Contributing Action
828555920	48	1.140	02/26/12	Sun	1656	Other Non-Fixed Object	0	0	1	Day	Dry	No Contributing Action
832524830	49	1.150	12/11/12	Tue	1605	Rear-End	0	0	1	Day	Dry	Other Contributing Action
828974350	50	1.290	04/22/12	Sun	0112	Sideswipe	0	2	0	Night	Wet	No Contributing Action
828242370	51	1.290	03/07/12	Wed	1447	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
832686640	52	24.994	01/21/13	Mon	1248	Rear-End	0	0	1	Day	Dry	Improper Passing
819789290	53	24.999	09/23/13	Mon	1710	Angle	0	5	0	Day	Wet	Drove too Fast for Conditions
831671960	54	25.013	06/07/13	Fri	2258	Angle	0	0	1	Night	Wet	Swerved Or Avoided
837091780	55	25.092	11/16/13	Sat	1720	Rear-End	0	0	1	Night	Dry	No Contributing Action
836735420	56	25.135	10/12/13	Sat	0433	Sideswipe	0	0	1	Night	Dry	#N/A
837091990	57	25.135	12/20/13	Fri	1540	Rear-End	0	1	0	Day	Dry	Followed too Closely
832709820	58	25.162	04/02/13	Tue	0028	Rear-End	0	0	1	Night	Dry	Other Contributing Action
833153200	59	25.162	07/31/13	Wed	1704	Not Coded	0	2	0	Day	Dry	Careless or Negligent Manner
833153220	60	25.162	08/05/13	Mon	1632	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
832731100	61	25.162	02/20/13	Wed	0753	Sideswipe	0	1	0	Day	Dry	Other Contributing Action
819789010	62	25.162	03/13/13	Wed	0740	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
832870630	63	25.162	04/03/13	Wed	1735	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
819789090	64	25.162	06/26/13	Wed	0725	Rear-End	0	1	0	Day	Wet	Drove too Fast for Conditions
836898610	65	25.162	10/07/13	Mon	1700	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
832586060	66	25.162	02/14/13	Thu	1414	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
819755080	67	25.162	11/22/13	Fri	1900	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
836427700	68	0.040	07/18/13	Thu	0143	Concrete Traffic Barrier	0	1	0	Night	Wet	Careless or Negligent Manner
837397620	69	0.040	12/30/13	Mon	1740	Sideswipe	0	1	0	Night	Dry	Careless or Negligent Manner
836554850	70	0.040	11/22/13	Fri	1430	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
833313990	71	0.284	07/04/13	Thu	1800	Rear-End	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
832686680	72	0.350	01/24/13	Thu	1002	Rear-End	0	0	1	Day	Dry	Other Contributing Action
832016980	73	0.540	02/10/13	Sun	0734	Concrete Traffic Barrier	0	2	0	Day	Dry	Careless or Negligent Manner
833061590	74	0.540	07/04/13	Thu	1635	Fence	0	2	0	Day	Dry	Exceed Posted Speed

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93220000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from Palmetto Park Rd to Hillsboro Blvd M.P. 24.980 TO 1.373 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
832226880	75	0.540	03/15/13	Fri	0038	Concrete Traffic Barrier	0	0	1	Night	Dry	Ran Off Roadway
832952710	76	0.540	07/05/13	Fri	0138	Concrete Traffic Barrier	0	0	1	Night	Wet	#N/A
833125550	77	0.540	05/05/13	Sun	0500	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
832601270	78	0.540	01/02/13	Wed	1900	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
831964510	79	0.540	01/03/13	Thu	0720	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
833178170	80	0.540	05/16/13	Thu	0255	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
833125590	81	0.540	05/30/13	Thu	1620	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
832295040	82	0.540	05/02/13	Thu	1500	Rear-End	0	0	1	Day	Wet	No Contributing Action
832709500	83	0.550	01/08/13	Tue	0707	Angle	0	1	0	Day	Wet	Failed To Keep In Proper Lane
832870760	84	0.650	04/22/13	Mon	1853	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
832353760	85	1.040	02/15/13	Fri	2039	Concrete Traffic Barrier	0	0	1	Night	Wet	No Contributing Action
836965840	86	1.040	11/27/13	Wed	1250	Other Non-Collision	0	2	0	Day	Dry	No Contributing Action
833212970	87	1.040	07/10/13	Wed	0321	Concrete Traffic Barrier	0	0	1	Night	Wet	No Contributing Action
832671620	88	1.040	04/19/13	Fri	0850	Other Non-Fixed Object	0	0	1	Day	Dry	#N/A
836921890	89	1.040	10/19/13	Sat	0851	Sideswipe	0	1	0	Day	Dry	No Contributing Action
832602300	90	1.040	02/15/13	Fri	1437	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
832601470	91	1.040	01/22/13	Tue	1635	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
833152800	92	1.040	05/06/13	Mon	1800	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
833212770	93	1.040	05/07/13	Tue	0811	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
833240640	94	1.040	06/21/13	Fri	1639	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
832710150	95	1.040	07/17/13	Wed	1201	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
837234870	96	1.040	12/10/13	Tue	1758	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
833061480	97	1.240	05/22/13	Wed	1750	Rear-End	0	3	0	Day	Wet	Other Contributing Action
832717170	98	1.240	09/18/13	Wed	1320	Sideswipe	0	0	1	Day	Dry	#N/A
832710140	99	1.240	07/17/13	Wed	0851	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
836459620	100	1.275	11/05/13	Tue	1644	Rear-End	0	0	1	Day	Dry	#N/A
833212960	101	1.290	07/10/13	Wed	0208	Guardrail Face	0	0	1	Night	Wet	No Contributing Action
836427710	102	1.290	07/18/13	Thu	0304	Guardrail Face	0	0	1	Night	Wet	#N/A
833213400	103	1.290	09/18/13	Wed	0745	Concrete Traffic Barrier	0	0	1	Day	Wet	Careless or Negligent Manner
836922170	104	1.290	12/07/13	Sat	0050	Concrete Traffic Barrier	0	1	0	Night	Dry	No Contributing Action
832602790	105	1.290	02/12/13	Tue	0817	Rear-End	0	0	1	Day	Dry	Other Contributing Action
820587250	106	25.041	01/08/14	Wed	0744	Rear-End	0	0	1	Day	Wet	Other Contributing Action
837965040	107	25.062	04/18/14	Fri	1455	Concrete Traffic Barrier	0	1	0	Day	Dry	Over-Correcting/Over-Steering
844830440	108	25.088	09/24/14	Wed	1700	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
838163360	109	25.162	05/31/14	Sat	1629	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
838122580	110	25.162	07/17/14	Thu	1639	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837217610	111	25.162	01/18/14	Sat	1754	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93220000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from Palmetto Park Rd to Hillsboro Blvd M.P. 24.980 TO 1.373 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
837707200	112	25.162	04/13/14	Sun	0016	Rear-End	0	0	1	Night	Dry	#N/A
845015060	113	25.162	11/14/14	Fri	1650	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
844931510	114	25.162	12/10/14	Wed	1540	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837235100	115	25.162	01/21/14	Tue	1636	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
837296700	116	25.162	02/10/14	Mon	1730	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837450890	117	25.162	04/13/14	Sun	0010	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
837707550	118	25.162	05/19/14	Mon	1728	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
838109270	119	25.162	10/21/14	Tue	1708	Rear-End	0	1	0	Day	Wet	Followed too Closely
828245570	120	25.162	10/30/14	Thu	0724	Head-On	0	0	1	Day	Dry	Careless or Negligent Manner
838361080	121	25.162	09/10/14	Wed	1656	Rear-End	0	1	0	Day	Dry	#N/A
837217700	122	0.100	02/05/14	Wed	1725	Rear-End	0	0	1	Day	Wet	#N/A
845009970	123	0.159	09/24/14	Wed	0600	Concrete Traffic Barrier	0	0	1	Night	Wet	#N/A
837602410	124	0.267	05/27/14	Tue	1750	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
838156380	125	0.324	07/31/14	Thu	1607	Rear-End	0	4	0	Day	Dry	Careless or Negligent Manner
844848130	126	0.328	10/23/14	Thu	1442	Not Coded	0	0	1	Day	Wet	Careless or Negligent Manner
838156390	127	0.336	07/31/14	Thu	1654	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
845324110	128	0.340	12/30/14	Tue	1502	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
837216210	129	0.350	03/14/14	Fri	0729	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
838155870	130	0.540	09/30/14	Tue	1648	Concrete Traffic Barrier	0	0	1	Day	Dry	Swerved Or Avoided
838079960	131	0.540	05/09/14	Fri	1628	Rear-End	0	0	1	Day	Dry	Other Contributing Action
838109500	132	0.540	12/08/14	Mon	1902	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
837190610	133	0.540	05/13/14	Tue	1700	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
837190730	134	0.540	05/22/14	Thu	1805	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
845325170	135	0.540	11/04/14	Tue	1555	Rear-End	0	0	1	Day	Dry	#N/A
837887600	136	0.640	07/23/14	Wed	1300	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
837887290	137	0.640	05/20/14	Tue	1447	Sideswipe	0	1	0	Day	Dry	Other Contributing Action
833411870	138	0.855	06/17/14	Tue	2126	Head-On	0	2	0	Night	Wet	Failed To Keep In Proper Lane
837736790	139	0.940	05/05/14	Mon	0920	Rear-End	0	3	0	Day	Dry	Careless or Negligent Manner
837914840	140	1.040	05/15/14	Thu	0315	Guardrail Face	0	0	1	Night	Wet	Careless or Negligent Manner
838080290	141	1.040	06/28/14	Sat	1653	Guardrail Face	0	2	0	Day	Dry	No Contributing Action
845324750	142	1.040	12/26/14	Fri	2029	Not Coded	0	0	1	Night	Dry	Careless or Negligent Manner
845169980	143	1.040	11/28/14	Fri	0606	Concrete Traffic Barrier	0	0	1	Night	Dry	#N/A
836537790	144	1.040	01/29/14	Wed	0800	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
837359760	145	1.040	03/09/14	Sun	2233	Angle	0	0	1	Night	Dry	Careless or Negligent Manner
837397710	146	1.040	01/09/14	Thu	1639	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
837575450	147	1.040	03/03/14	Mon	0740	Rear-End	0	0	1	Day	Dry	Other Contributing Action
837305950	148	1.040	05/10/14	Sat	2241	Rear-End	0	2	0	Night	Dry	No Contributing Action

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93220000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from Palmetto Park Rd to Hillsboro Blvd M.P. 24.980 TO 1.373 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
838160770	149	1.040	11/08/14	Sat	2039	Rear-End	0	0	1	Night	Dry	Drove too Fast for Conditions
837217660	150	1.040	02/04/14	Tue	1625	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
836966430	151	1.040	03/07/14	Fri	0850	Concrete Traffic Barrier	0	0	1	Day	Dry	Careless or Negligent Manner
845023190	152	1.040	09/26/14	Fri	1210	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
837583770	153	1.161	02/11/14	Tue	1640	Rear-End	0	0	1	Night	Dry	Other Contributing Action
837887670	154	1.190	07/30/14	Wed	2016	Concrete Traffic Barrier	0	0	1	Night	Dry	No Contributing Action
837736980	155	1.240	05/19/14	Mon	0540	Sideswipe	0	0	1	Night	Dry	#N/A
837583760	156	1.256	02/11/14	Tue	1455	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
838112440	157	1.290	08/03/14	Sun	0225	Concrete Traffic Barrier	0	1	0	Night	Wet	Other Contributing Action
837468480	158	1.290	01/31/14	Fri	1638	Rear-End	0	0	1	Day	Dry	No Contributing Action
836886930	159	1.290	02/12/14	Wed	0725	Sideswipe	0	1	0	Day	Dry	#N/A
837707400	160	1.290	05/09/14	Fri	1659	Sideswipe	0	0	1	Day	Dry	No Contributing Action
838112760	161	1.290	09/26/14	Fri	1239	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
836945610	162	1.313	04/05/14	Sat	0645	Rear-End	0	1	0	Day	Dry	No Contributing Action
851159260	163	25.041	08/03/15	Mon	0710	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
848634410	164	25.162	03/08/15	Sun	0310	Rear-End	0	1	0	Night	Wet	Careless or Negligent Manner
848826560	165	25.162	07/14/15	Tue	1355	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
848943700	166	25.162	04/21/15	Tue	1731	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
848944010	167	25.162	06/08/15	Mon	1606	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
837010070	168	25.162	08/26/15	Wed	1753	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
820585920	169	25.162	07/24/15	Fri	1421	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
848624880	170	25.162	07/24/15	Fri	1450	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
837010060	171	25.162	08/26/15	Wed	1729	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
820121670	172	25.262	11/20/15	Fri	2240	Overturn/Rollover	1	0	0	Night	Dry	Careless or Negligent Manner
848687990	173	25.262	06/17/15	Wed	1530	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
848688100	174	0.077	07/29/15	Wed	1950	Concrete Traffic Barrier	0	0	1	Night	Dry	Careless or Negligent Manner
852388890	175	0.244	12/06/15	Sun	0435	Concrete Traffic Barrier	0	0	1	Night	Wet	Careless or Negligent Manner
838160920	176	0.328	01/24/15	Sat	2112	Concrete Traffic Barrier	0	0	1	Night	Dry	Careless or Negligent Manner
852065980	177	0.328	12/04/15	Fri	2023	Concrete Traffic Barrier	0	1	0	Night	Wet	Drove too Fast for Conditions
848810910	178	0.328	12/06/15	Sun	0210	Sideswipe	0	0	1	Night	Wet	Careless or Negligent Manner
851455930	179	0.328	09/17/15	Thu	1355	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
848688200	180	0.377	08/19/15	Wed	0104	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
848631350	181	0.513	03/25/15	Wed	1717	Sideswipe	0	0	1	Day	Dry	#N/A
845688670	182	0.540	03/27/15	Fri	2144	Rear-End	0	2	0	Night	Wet	Careless or Negligent Manner
851365910	183	0.540	09/10/15	Thu	1515	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
851107660	184	0.577	05/28/15	Thu	0638	Concrete Traffic Barrier	0	2	0	Day	Dry	No Contributing Action
848831140	185	0.577	04/30/15	Thu	1620	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93220000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from Palmetto Park Rd to Hillsboro Blvd M.P. 24.980 TO 1.373 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
845305110	186	0.577	04/05/15	Sun	0355	Rear-End	0	2	0	Night	Dry	Exceed Posted Speed
851100790	187	0.577	05/12/15	Tue	0725	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
851595810	188	0.577	09/16/15	Wed	1655	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
848827130	189	0.577	05/08/15	Fri	1835	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
851960180	190	0.577	12/08/15	Tue	0900	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
851366390	191	0.640	08/19/15	Wed	1820	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
852226810	192	0.790	12/13/15	Sun	0025	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
848596290	193	0.790	09/22/15	Tue	0746	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
848829520	194	0.877	06/05/15	Fri	1500	Rear-End	0	5	0	Day	Dry	Careless or Negligent Manner
851783610	195	0.972	10/28/15	Wed	1925	Rear-End	0	0	1	Night	Wet	Drove too Fast for Conditions
845143610	196	1.040	01/02/15	Fri	1215	Concrete Traffic Barrier	0	1	0	Day	Dry	No Contributing Action
851783410	197	1.040	09/29/15	Tue	2039	Rear-End	0	1	0	Night	Wet	Drove too Fast for Conditions
845326360	198	1.040	01/09/15	Fri	1741	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
845326450	199	1.040	01/19/15	Mon	1856	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
851394930	200	1.040	08/16/15	Sun	2113	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
851751680	201	1.040	09/29/15	Tue	1755	Rear-End	0	0	1	Day	Wet	#N/A
845688520	202	1.040	03/04/15	Wed	1919	Rear-End	0	2	0	Night	Dry	Careless or Negligent Manner
851571410	203	1.077	11/07/15	Sat	1845	Rear-End	0	0	1	Night	Dry	No Contributing Action
848831250	204	1.077	05/20/15	Wed	1700	Sideswipe	0	0	1	Day	Dry	No Contributing Action
848786070	205	1.277	08/05/15	Wed	1845	Sideswipe	0	0	1	Day	Dry	#N/A
848688010	206	1.277	06/19/15	Fri	1852	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
852297370	207	1.293	11/30/15	Mon	0955	Other Non-Collision	0	1	0	Day	Dry	Other Contributing Action
854274300	208	25.062	12/17/16	Sat	1856	Rear-End	0	4	0	Night	Dry	Careless or Negligent Manner
853335730	209	25.162	06/21/16	Tue	1605	Angle	0	0	1	Day	Dry	Failed To Keep In Proper Lane
852406830	210	25.162	01/21/16	Thu	1706	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
852487020	211	25.162	01/30/16	Sat	1827	Rear-End	0	2	0	Night	Dry	#N/A
852487050	212	25.162	02/01/16	Mon	1509	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
852677620	213	25.162	05/24/16	Tue	0807	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853418840	214	25.162	09/11/16	Sun	1706	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
853631680	215	25.162	09/14/16	Wed	1756	Not Coded	0	0	1	Day	Dry	No Contributing Action
852594870	216	25.162	02/01/16	Mon	1144	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
852487230	217	25.162	02/13/16	Sat	1522	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
852540140	218	25.162	03/04/16	Fri	1715	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
852407190	219	25.162	03/26/16	Sat	1456	Sideswipe	0	0	1	Day	Dry	#N/A
853335470	220	25.162	05/23/16	Mon	1600	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853747730	221	25.287	12/09/16	Fri	1826	Rear-End	0	2	0	Night	Dry	#N/A
854401730	222	25.287	12/27/16	Tue	1826	Rear-End	0	0	1	Night	Wet	No Contributing Action



State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000/93220000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from Palmetto Park Rd to Hillsboro Blvd M.P. 24.980 TO 1.373 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
853067880	223	0.008	08/19/16	Fri	1518	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
852910940	224	0.040	08/13/16	Sat	2050	Angle	0	0	1	Night	Wet	Swerved Or Avoided
853905230	225	0.054	12/07/16	Wed	1550	Rear-End	0	2	0	Day	Dry	Followed too Closely
837112230	226	0.065	03/24/16	Thu	0000	Guardrail Face	0	1	0	Night	Wet	Failed To Keep In Proper Lane
852406880	227	0.263	01/28/16	Thu	1802	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
852406890	228	0.263	01/28/16	Thu	1832	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
852251730	229	0.263	03/12/16	Sat	1617	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
852942410	230	0.320	08/23/16	Tue	0830	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
852278050	231	0.328	02/10/16	Wed	1303	Utility Pole/Light Support	0	1	0	Day	Dry	Drove too Fast for Conditions
852278080	232	0.328	02/11/16	Thu	1230	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
852911770	233	0.540	03/16/16	Wed	0535	Tree (Standing)	0	2	0	Night	Dry	Drove too Fast for Conditions
852220220	234	0.540	01/12/16	Tue	1055	Other Non-Collision	0	1	0	Day	Wet	Other Contributing Action
853308160	235	0.540	07/01/16	Fri	1120	Concrete Traffic Barrier	0	1	0	Day	Wet	Careless or Negligent Manner
851376280	236	0.540	03/03/16	Thu	1619	Rear-End	0	0	1	Day	Dry	No Contributing Action
853796220	237	0.540	09/28/16	Wed	1545	Rear-End	0	0	1	Day	Dry	Followed too Closely
853532070	238	0.540	10/14/16	Fri	2319	Sideswipe	0	0	1	Night	Dry	Improper Passing
854135630	239	0.540	12/23/16	Fri	0320	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
853262020	240	0.540	08/19/16	Fri	1615	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
852220290	241	0.540	01/26/16	Tue	1300	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
852445930	242	0.540	05/03/16	Tue	1536	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
852910840	243	0.540	08/08/16	Mon	1330	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
853986420	244	0.540	09/29/16	Thu	1840	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
854294100	245	0.540	11/21/16	Mon	1138	Rear-End	0	0	1	Day	Dry	No Contributing Action
852982140	246	0.577	04/29/16	Fri	1055	Not Coded	0	1	0	Day	Dry	No Contributing Action
852612050	247	0.577	03/25/16	Fri	1800	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
851976770	248	0.877	01/08/16	Fri	1405	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
837321290	249	0.952	06/30/16	Thu	0759	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
852354250	250	1.009	03/19/16	Sat	1510	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853512480	251	1.040	08/25/16	Thu	2135	Overturn/Rollover	0	1	0	Night	Wet	Careless or Negligent Manner
852537030	252	1.040	03/22/16	Tue	1634	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
852715530	253	1.040	02/29/16	Mon	1612	Angle	0	1	0	Day	Dry	Careless or Negligent Manner
838170460	254	1.040	07/14/16	Thu	2140	Rear-End	0	0	1	Night	Dry	Other Contributing Action
853362440	255	1.040	08/02/16	Tue	1900	Rear-End	0	4	0	Day	Wet	Careless or Negligent Manner
853945130	256	1.040	09/12/16	Mon	1755	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
852910620	257	1.077	05/31/16	Tue	0828	Rear-End	0	0	1	Day	Dry	Followed too Closely
852166960	258	1.077	02/09/16	Tue	1540	Rear-End	0	3	0	Day	Dry	Careless or Negligent Manner
853396580	259	1.077	10/02/16	Sun	2022	Angle	0	0	1	Night	Wet	Over-Correcting/Over-Steering

State of Florida Department of Transportation CRASH SUMMARY																
SECTION:		86070000/93220000										STATE ROUTE: 9				
ROADWAY LIMITS:		I-95 SB from Palmetto Park Rd to Hillsboro Blvd							M.P. 24.980		TO 1.373		ENGINEER: AECOM			
STUDY PERIOD:		FROM 1/ 2012					TO 12/ 2016					COUNTY: Broward				
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE			FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)		
853073980	260	1.104	05/18/16	Wed	2138	Overturn/Rollover			0	1	0	Night	Wet	No Contributing Action		
852297890	261	1.104	02/27/16	Sat	1315	Rear-End			0	1	0	Day	Dry	Careless or Negligent Manner		
852297850	262	1.142	02/24/16	Wed	0807	Rear-End			0	2	0	Day	Dry	Careless or Negligent Manner		
852297840	263	1.161	02/24/16	Wed	0713	Rear-End			0	1	0	Day	Dry	Careless or Negligent Manner		
852861540	264	1.161	04/20/16	Wed	1442	Rear-End			0	1	0	Day	Dry	Failed To Keep In Proper Lane		
852834820	265	1.177	03/30/16	Wed	1035	Rear-End			0	1	0	Day	Wet	Careless or Negligent Manner		
853366040	266	1.227	06/22/16	Wed	1615	Rear-End			0	0	1	Day	Dry	Followed too Closely		
852297900	267	1.256	03/06/16	Sun	1204	Rear-End			0	0	1	Day	Dry	Careless or Negligent Manner		
852422750	268	1.268	08/21/16	Sun	0357	Other Non-Fixed Object			1	0	0	Night	Dry	Careless or Negligent Manner		
852835040	269	1.277	04/18/16	Mon	0515	Angle			0	0	1	Night	Dry	Careless or Negligent Manner		
838060740	270	1.290	08/30/16	Tue	0646	Concrete Traffic Barrier			0	0	1	Day	Wet	Careless or Negligent Manner		
853945690	271	1.290	11/03/16	Thu	1725	Rear-End			0	0	1	Day	Dry	Careless or Negligent Manner		
852539930	272	1.290	01/27/16	Wed	1435	Jackknife			0	0	1	Day	Wet	No Contributing Action		
854289790	273	1.290	11/17/16	Thu	2010	Rear-End			0	0	1	Night	Dry	Careless or Negligent Manner		
854290120	274	1.290	12/19/16	Mon	1820	Rear-End			0	1	0	Night	Dry	Failed To Keep In Proper Lane		
852213430	275	1.293	01/03/16	Sun	1858	Rear-End			0	0	1	Night	Wet	Careless or Negligent Manner		
852220200	276	1.309	01/12/16	Tue	0700	Angle			0	2	0	Day	Wet	Careless or Negligent Manner		
853307640	277	1.327	05/12/16	Thu	0845	Other Non-Fixed Object			0	1	0	Day	Dry	No Contributing Action		
853308020	278	1.327	06/17/16	Fri	1245	Rear-End			0	1	0	Day	Wet	Careless or Negligent Manner		
	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	278	2	119	157	188	3	12	0	0	24	0	0	0	4	0	0
	Percent	0.72%	42.81%	56.47%	67.63%	1.08%	4.32%	0.00%	0.00%	8.63%	0.00%	0.00%	0.00%	1.44%	0.00%	0.00%
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
	Total	189	89	80	198	32	1	0	0	1	0	0	0	0	1	0
	Percent	67.99%	32.01%	28.78%	71.22%	11.51%	0.36%	0.00%	0.00%	0.36%	0.00%	0.00%	0.00%	0.00%	0.36%	0.00%
TOTAL ENTERING VEHICLES/ADT: 193,820									SPOT CRASH RATE -0.031 CRASHES PER MILLION ENTERING VEHICLES							

The data shown on this table was electronically obtained from FDOT CARS, the details have not been verified through crash report review.



State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from SW 10th Street to Sample Road M.P. 21.983 TO 23.526 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
828944940	1	22.002	05/20/12	Sun	1140	Sideswipe	0	0	1	Day	Dry	No Contributing Action
828673210	2	22.040	01/23/12	Mon	1315	Sideswipe	0	0	1	Day	Dry	#N/A
828796470	3	22.123	02/21/12	Tue	1855	Rear-End	0	0	1	Day	Dry	#N/A
828916280	4	22.123	03/27/12	Tue	0727	Rear-End	0	2	0	Day	Wet	Other Contributing Action
831790450	2	22.123	09/13/12	Thu	0730	Rear-End	0	3	0	Day	Wet	Careless or Negligent Manner
828474380	6	22.123	02/01/12	Wed	2345	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
828743900	7	22.123	04/06/12	Fri	1220	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
820522520	1	22.123	06/13/12	Wed	1319	Angle	0	1	0	Day	Dry	Other Contributing Action
831837570	2	22.143	12/21/12	Fri	1403	Sideswipe	0	0	1	Day	Dry	#N/A
828435760	3	22.373	01/17/12	Tue	2210	Tree (Standing)	0	1	0	Night	Dry	#N/A
831877770	4	22.373	09/07/12	Fri	0844	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
832585520	3	22.373	12/19/12	Wed	1749	Sideswipe	0	0	1	Night	Dry	#N/A
828731870	4	22.623	03/09/12	Fri	0057	Concrete Traffic Barrier	0	1	0	Night	Wet	Ran Off Roadway
831625170	5	22.623	09/20/12	Thu	1317	Sideswipe	0	0	1	Day	Dry	No Contributing Action
822520050	6	22.623	05/03/12	Thu	0821	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
831589390	5	22.623	07/13/12	Fri	1032	Rear-End	0	1	0	Day	Dry	Followed too Closely
831991230	6	22.623	12/19/12	Wed	0822	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
820522490	9	22.623	06/11/12	Mon	0910	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
829090950	19	22.665	04/08/12	Sun	2301	Other Traffic Barrier	0	1	0	Night	Dry	Other Contributing Action
831487940	20	22.665	08/11/12	Sat	1934	Tree (Standing)	0	1	0	Night	Wet	Careless or Negligent Manner
829079260	21	22.873	07/15/12	Sun	2032	Other Non-Collision	0	0	1	Night	Wet	#N/A
831877750	22	22.915	08/19/12	Sun	1551	Other Non-Collision	0	1	0	Day	Dry	No Contributing Action
831770600	23	23.119	12/15/12	Sat	1346	Other Non-Fixed Object	0	0	1	Day	Dry	No Contributing Action
828965160	7	23.165	06/24/12	Sun	0205	Overturn/Rollover	0	0	1	Night	Wet	Other Contributing Action
831444780	8	23.165	07/22/12	Sun	2101	Tree (Standing)	0	2	0	Night	Wet	Careless or Negligent Manner
831937320	26	23.165	11/05/12	Mon	1736	Sideswipe	0	0	1	Night	Dry	Other Contributing Action
820587160	27	23.381	08/02/12	Thu	0834	Rear-End	0	0	1	Day	Dry	Other Contributing Action
828656830	28	23.415	03/16/12	Fri	0455	Tree (Standing)	0	0	1	Night	Dry	No Contributing Action
831937490	9	23.415	12/11/12	Tue	1757	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
832508460	10	23.415	12/22/12	Sat	2031	Sideswipe	0	0	1	Night	Dry	Careless or Negligent Manner
828228320	11	23.465	02/17/12	Fri	1607	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
828538580	32	23.469	01/05/12	Thu	1717	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
831818230	33	23.476	09/27/12	Thu	0005	Tree (Standing)	0	1	0	Night	Dry	Careless or Negligent Manner
829029370	34	23.476	05/18/12	Fri	1437	Concrete Traffic Barrier	0	1	0	Day	Wet	Drove too Fast for Conditions
829079000	35	23.476	05/31/12	Thu	1635	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
831458670	36	23.526	05/18/12	Fri	1647	Sideswipe	0	0	1	Day	Wet	Other Contributing Action
828578240	37	23.526	02/17/12	Fri	1425	Rear-End	0	0	1	Day	Dry	No Contributing Action

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000 STATE ROUTE: 9  
 ROADWAY LIMITS: I-95 SB from SW 10th Street to Sample Road M.P. 21.983 TO 23.526 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
832687090	38	22.096	02/25/13	Mon	0748	Rear-End	0	0	1	Day	Dry	#N/A
833023300	39	22.123	05/13/13	Mon	2125	Angle	0	2	0	Night	Dry	Swerved Or Avoided
832870440	40	22.123	03/09/13	Sat	0126	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
833108270	41	22.123	04/14/13	Sun	0310	Sideswipe	0	0	1	Night	Dry	Careless or Negligent Manner
832700660	42	22.623	02/01/13	Fri	1954	Sideswipe	0	4	0	Night	Dry	No Contributing Action
832700890	43	22.623	03/09/13	Sat	1327	Sideswipe	0	1	0	Day	Dry	No Contributing Action
836599250	44	22.623	10/16/13	Wed	0745	Rear-End	0	0	1	Day	Dry	Followed too Closely
836873150	45	22.623	11/02/13	Sat	1752	Sideswipe	0	0	1	Day	Dry	#N/A
832664920	46	22.623	01/17/13	Thu	0830	Rear-End	0	0	1	Day	Wet	Other Contributing Action
819788660	47	22.623	09/26/13	Thu	1720	Rear-End	0	0	1	Day	Wet	Drove too Fast for Conditions
832551100	48	22.623	01/10/13	Thu	1248	Rear-End	0	0	1	Day	Dry	#N/A
833320510	49	22.623	06/12/13	Wed	0930	Sideswipe	0	1	0	Day	Dry	Careless or Negligent Manner
836873340	50	22.623	11/19/13	Tue	1856	Rear-End	0	1	0	Night	Wet	No Contributing Action
836970500	51	22.665	12/14/13	Sat	2344	Concrete Traffic Barrier	0	0	1	Night	Dry	No Contributing Action
819789120	52	22.723	07/17/13	Wed	0624	Rear-End	0	1	0	Day	Wet	Drove too Fast for Conditions
837040280	53	23.165	10/31/13	Thu	1038	Not Coded	0	1	0	Day	Dry	#N/A
832878780	54	23.165	04/01/13	Mon	2130	Other Non-Collision	1	0	0	Night	Dry	#N/A
832687450	55	23.165	07/11/13	Thu	2350	Rear-End	0	1	0	Night	Dry	#N/A
832701620	56	23.165	02/05/13	Tue	0800	Rear-End	0	0	1	Day	Dry	No Contributing Action
832788300	57	23.165	11/25/13	Mon	0817	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
836992860	58	23.192	12/09/13	Mon	0751	Rear-End	0	0	1	Day	Dry	Other Contributing Action
832687120	59	23.229	03/11/13	Mon	0748	Rear-End	0	0	1	Day	Dry	Other Contributing Action
836735250	60	23.286	09/26/13	Thu	0807	Rear-End	0	0	1	Day	Dry	Other Contributing Action
836992810	61	23.286	12/04/13	Wed	0749	Rear-End	0	0	1	Day	Dry	Other Contributing Action
832321670	62	23.365	01/23/13	Wed	2250	Sideswipe	0	0	1	Night	Dry	Careless or Negligent Manner
832321640	63	23.365	01/17/13	Thu	2342	Rear-End	0	1	0	Night	Dry	No Contributing Action
832724810	64	23.365	04/06/13	Sat	1509	Not Coded	0	0	1	Day	Dry	Careless or Negligent Manner
836760430	65	23.381	10/26/13	Sat	1200	Other Fixed Object	0	0	1	Day	Dry	No Contributing Action
836734990	66	23.381	09/10/13	Tue	0747	Rear-End	0	0	1	Day	Wet	Other Contributing Action
832444500	67	23.415	04/05/13	Fri	0151	Not Coded	0	0	1	Night	Wet	#N/A
833280440	68	23.415	06/01/13	Sat	2221	Concrete Traffic Barrier	0	1	0	Night	Wet	No Contributing Action
833280210	69	23.415	05/14/13	Tue	0748	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
836899130	70	23.415	11/21/13	Thu	1833	Rear-End	0	0	1	Night	Wet	No Contributing Action
836899210	71	23.415	11/28/13	Thu	1656	Not Coded	0	1	0	Day	Dry	No Contributing Action
833267860	72	23.415	07/11/13	Thu	2313	Rear-End	0	3	0	Night	Dry	No Contributing Action
836437860	73	23.415	08/01/13	Thu	0930	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
836735380	74	23.438	10/10/13	Thu	0828	Rear-End	0	0	1	Day	Dry	Other Contributing Action

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from SW 10th Street to Sample Road M.P. 21.983 TO 23.526 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
832680250	75	23.476	03/11/13	Mon	1615	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
832400390	76	23.476	02/05/13	Tue	0110	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
832987880	77	23.476	04/23/13	Tue	0834	Rear-End	0	1	0	Day	Dry	Other Contributing Action
832987890	78	23.495	04/23/13	Tue	0910	Rear-End	0	0	1	Day	Dry	#N/A
837517250	79	22.002	04/30/14	Wed	0807	Rear-End	0	0	1	Day	Dry	Other Contributing Action
838261660	80	22.002	05/18/14	Sun	1249	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
845130200	81	22.055	09/29/14	Mon	0746	Sideswipe	0	0	1	Day	Dry	Swerved Or Avoided
836916370	82	22.078	05/03/14	Sat	0100	Concrete Traffic Barrier	0	0	1	Night	Dry	Careless or Negligent Manner
832285260	83	22.123	09/26/14	Fri	0958	Parked Motor Vehicle	0	4	0	Day	Wet	Swerved Or Avoided
837383810	84	22.123	02/08/14	Sat	2019	Not Coded	0	2	0	Night	Dry	No Contributing Action
837115130	85	22.123	08/14/14	Thu	0030	Sideswipe	0	2	0	Night	Dry	Careless or Negligent Manner
844817100	86	22.123	09/26/14	Fri	0837	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
820585830	87	22.623	09/06/14	Sat	0116	Concrete Traffic Barrier	0	0	1	Night	Dry	No Contributing Action
837755140	88	22.623	05/15/14	Thu	1836	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
819804260	89	22.623	01/01/14	Wed	2330	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
837073570	90	22.623	01/03/14	Fri	2057	Sideswipe	0	0	1	Day	Dry	#N/A
837383840	91	22.623	02/22/14	Sat	1323	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837451590	92	22.623	02/25/14	Tue	1218	Angle	0	0	1	Day	Dry	#N/A
837451610	93	22.623	02/26/14	Wed	0855	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837772080	94	22.623	05/26/14	Mon	0020	Sideswipe	0	0	1	Night	Dry	Improper Passing
838156180	95	22.623	07/08/14	Tue	0810	Rear-End	0	4	0	Day	Dry	Careless or Negligent Manner
845210460	96	22.623	10/16/14	Thu	0854	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837491910	97	22.631	04/16/14	Wed	0910	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837306920	98	22.665	01/01/14	Wed	0028	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
837111910	99	22.723	03/26/14	Wed	0935	Other Non-Fixed Object	0	0	1	Day	Dry	No Contributing Action
837112010	100	22.923	07/29/14	Tue	0729	Rear-End	0	1	0	Day	Dry	Drove too Fast for Conditions
837517010	101	23.097	04/02/14	Wed	0856	Rear-End	0	0	1	Day	Dry	Other Contributing Action
845350010	102	23.119	12/20/14	Sat	2004	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
844927850	103	23.123	10/19/14	Sun	0210	Sideswipe	0	0	1	Night	Dry	#N/A
838360960	104	23.123	08/28/14	Thu	1553	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
837225340	105	23.131	01/17/14	Fri	2341	Other Fixed Object	0	0	1	Night	Dry	Careless or Negligent Manner
837401090	106	23.165	06/08/14	Sun	0345	Tree (Standing)	0	1	0	Night	Wet	Over-Correcting/Over-Steering
844827100	107	23.165	09/27/14	Sat	2239	Rear-End	0	0	1	Night	Wet	#N/A
844827140	108	23.165	10/03/14	Fri	2137	Rear-End	0	1	0	Night	Wet	Careless or Negligent Manner
837733610	109	23.165	04/18/14	Fri	1612	Rear-End	0	0	1	Day	Dry	#N/A
837517210	110	23.192	04/22/14	Tue	1247	Concrete Traffic Barrier	0	0	1	Day	Dry	Over-Correcting/Over-Steering
837517260	111	23.192	05/01/14	Thu	0746	Rear-End	0	0	1	Day	Dry	Other Contributing Action

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000 STATE ROUTE: 9  
ROADWAY LIMITS: I-95 SB from SW 10th Street to Sample Road M.P. 21.983 TO 23.526 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
836992970	112	23.286	01/01/14	Wed	0748	Sideswipe	0	0	1	Day	Wet	Improper Passing
836993050	113	23.286	02/02/14	Sun	0053	Rear-End	0	0	1	Night	Dry	Other Contributing Action
844947570	114	23.286	10/07/14	Tue	0900	Rear-End	0	1	0	Day	Dry	#N/A
837684650	115	23.365	04/23/14	Wed	1706	Rear-End	0	0	1	Day	Dry	No Contributing Action
837540700	116	23.415	03/03/14	Mon	1715	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
836897010	117	23.415	01/15/14	Wed	0850	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
845078250	118	23.415	12/20/14	Sat	0908	Angle	0	0	1	Day	Dry	Other Contributing Action
836897020	119	23.415	01/15/14	Wed	0755	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
836897060	120	23.415	01/23/14	Thu	0851	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
838149250	121	23.415	07/03/14	Thu	0729	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
837841800	122	23.415	07/02/14	Wed	2040	Sideswipe	0	0	1	Night	Dry	Careless or Negligent Manner
837841820	123	23.476	07/03/14	Thu	1740	Concrete Traffic Barrier	0	2	0	Day	Dry	No Contributing Action
838165100	124	23.476	07/26/14	Sat	2200	Other Non-Fixed Object	0	0	1	Night	Dry	No Contributing Action
844947490	125	23.513	10/01/14	Wed	0805	Rear-End	0	0	1	Day	Dry	Other Contributing Action
845267770	126	23.526	12/16/14	Tue	1410	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
851447800	127	22.123	09/19/15	Sat	1825	Not Coded	0	2	0	Day	Dry	Ran Off Roadway
845641270	128	22.123	02/02/15	Mon	2135	Sideswipe	0	0	1	Night	Dry	#N/A
848561940	129	22.123	02/10/15	Tue	0836	Not Coded	0	0	1	Day	Dry	Careless or Negligent Manner
851381580	130	22.123	07/23/15	Thu	1640	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
851169240	131	22.123	10/15/15	Thu	0905	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
851368410	132	22.123	11/17/15	Tue	0846	Rear-End	0	1	0	Day	Wet	Drove too Fast for Conditions
845501860	133	22.123	02/24/15	Tue	1000	Rear-End	0	1	0	Day	Dry	Other Contributing Action
848929220	134	22.123	11/02/15	Mon	1509	Sideswipe	0	1	0	Day	Dry	Failed To Keep In Proper Lane
852352200	135	22.123	12/19/15	Sat	2356	Not Coded	0	0	1	Night	Dry	Careless or Negligent Manner
848631390	136	22.373	03/27/15	Fri	2039	Concrete Traffic Barrier	0	0	1	Night	Wet	No Contributing Action
848761730	137	22.623	04/14/15	Tue	0913	Concrete Traffic Barrier	0	0	1	Day	Dry	Swerved Or Avoided
845455560	138	22.623	04/03/15	Fri	0804	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
851550910	139	22.623	10/10/15	Sat	1749	Rear-End	0	4	0	Day	Wet	Careless or Negligent Manner
845560000	140	22.623	05/01/15	Fri	0825	Rear-End	0	3	0	Day	Dry	Careless or Negligent Manner
851226040	141	22.623	05/21/15	Thu	1142	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
851755620	142	22.623	08/24/15	Mon	0805	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
845455550	143	22.623	04/03/15	Fri	0641	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
862566580	144	22.665	11/17/15	Tue	0849	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
852014600	145	23.165	11/26/15	Thu	0301	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
852014330	146	23.165	10/11/15	Sun	0019	Rear-End	0	2	0	Night	Dry	Other Contributing Action
852254730	147	23.165	12/04/15	Fri	1320	Not Coded	0	1	0	Day	Wet	Careless or Negligent Manner
851640740	148	23.183	09/03/15	Thu	2110	Not Coded	0	0	1	Night	Dry	Careless or Negligent Manner

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070000 STATE ROUTE: 9  
 ROADWAY LIMITS: I-95 SB from SW 10th Street to Sample Road M.P. 21.983 TO 23.526 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
851364730	149	23.265	09/05/15	Sat	2329	Rear-End	0	0	1	Night	Wet	No Contributing Action
845549930	150	23.381	04/14/15	Tue	0857	Rear-End	0	0	1	Day	Dry	Other Contributing Action
852352130	151	23.415	12/05/15	Sat	2140	Concrete Traffic Barrier	0	2	0	Night	Wet	No Contributing Action
845595710	152	23.415	03/17/15	Tue	0744	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
851467390	153	23.415	11/05/15	Thu	1040	Rear-End	0	0	1	Day	Dry	Erratic, Reckless or Aggressive
848562020	154	23.415	02/19/15	Thu	0752	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
848624900	155	23.433	07/24/15	Fri	2122	Sideswipe	0	0	1	Night	Dry	#N/A
851417520	156	23.433	09/30/15	Wed	0647	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
845549520	157	23.438	01/13/15	Tue	0709	Angle	0	0	1	Day	Wet	#N/A
851266520	158	23.438	08/24/15	Mon	1125	Rear-End	0	2	0	Day	Wet	Other Contributing Action
851751720	159	23.465	10/03/15	Sat	1540	Angle	0	2	0	Day	Dry	Careless or Negligent Manner
845475470	160	23.465	01/11/15	Sun	1239	Angle	0	6	0	Day	Dry	Careless or Negligent Manner
853762850	161	22.023	10/15/16	Sat	1859	Sideswipe	0	0	1	Night	Wet	Careless or Negligent Manner
853979210	162	22.123	12/04/16	Sun	0807	Concrete Traffic Barrier	0	0	1	Day	Dry	No Contributing Action
854274260	163	22.123	12/11/16	Sun	1917	Concrete Traffic Barrier	0	1	0	Night	Wet	Swerved Or Avoided
852992620	164	22.123	05/18/16	Wed	0925	Concrete Traffic Barrier	0	1	0	Day	Wet	No Contributing Action
852255190	165	22.123	01/26/16	Tue	0722	Rear-End	0	0	1	Day	Dry	#N/A
853137330	166	22.123	06/02/16	Thu	2355	Pedestrian	2	1	0	Night	Dry	#N/A
852677630	167	22.123	05/25/16	Wed	0720	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
854381540	168	22.123	12/03/16	Sat	0604	Rear-End	0	1	0	Night	Dry	Other Contributing Action
852352420	169	22.123	02/11/16	Thu	0734	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
853688200	170	22.123	08/22/16	Mon	0806	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853333540	171	22.123	09/11/16	Sun	1000	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
853871830	172	22.623	11/26/16	Sat	2220	Sideswipe	0	0	1	Night	Dry	#N/A
854401240	173	22.623	12/02/16	Fri	1706	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853170470	174	22.623	06/06/16	Mon	1205	Not Coded	0	0	1	Day	Dry	No Contributing Action
851337740	175	22.623	11/28/16	Mon	0244	Rear-End	0	2	0	Night	Dry	#N/A
853184280	176	22.623	08/02/16	Tue	0825	Rear-End	0	1	0	Day	Wet	Drove too Fast for Conditions
853200020	177	22.623	08/07/16	Sun	1435	Sideswipe	0	0	1	Day	Dry	#N/A
852978180	178	22.623	09/20/16	Tue	1803	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
852625330	179	22.623	02/17/16	Wed	1035	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853056260	180	22.623	05/27/16	Fri	0915	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
853276660	181	22.665	05/28/16	Sat	0630	Not Coded	0	1	0	Day	Wet	Other Contributing Action
853514040	182	22.665	08/10/16	Wed	1640	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
852985200	183	22.665	06/13/16	Mon	0611	Sideswipe	0	4	0	Day	Dry	Careless or Negligent Manner
852798840	184	23.165	06/07/16	Tue	1053	Concrete Traffic Barrier	0	0	1	Day	Dry	No Contributing Action
852563400	185	23.165	02/08/16	Mon	2300	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner

State of Florida Department of Transportation CRASH SUMMARY																
SECTION:		86070000										STATE ROUTE: 9				
ROADWAY LIMITS:		I-95 SB from SW 10th Street to Sample Road							M.P. 21.983		TO 23.526		ENGINEER: AECOM			
STUDY PERIOD:		FROM 1/ 2012					TO 12/ 2016					COUNTY: Broward				
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE			FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)		
852909300	186	23.165	04/10/16	Sun	1841	Rear-End			0	0	1	Day	Dry	#N/A		
820586050	187	23.165	08/09/16	Tue	0849	Rear-End			0	0	1	Day	Dry	Careless or Negligent Manner		
854381620	188	23.264	12/23/16	Fri	1058	Immersion			1	2	0	Day	Dry	No Contributing Action		
853056060	189	23.415	05/05/16	Thu	2300	Rear-End			0	2	0	Night	Dry	No Contributing Action		
853576520	190	23.415	07/14/16	Thu	2308	Sideswipe			0	0	1	Night	Dry	Careless or Negligent Manner		
853487200	191	23.415	08/15/16	Mon	0630	Rear-End			0	0	1	Day	Dry	Other Contributing Action		
852594810	192	23.415	01/28/16	Thu	0854	Angle			0	0	1	Day	Wet	Other Contributing Action		
853137420	193	23.415	06/11/16	Sat	0215	Concrete Traffic Barrier			0	3	0	Night	Dry	No Contributing Action		
853183300	194	23.415	07/16/16	Sat	1140	Struck by Falling/Shifting Cargo			0	0	1	Day	Dry	Other Contributing Action		
852682700	195	23.415	05/10/16	Tue	1004	Not Coded			0	0	1	Day	Dry	No Contributing Action		
851939980	196	23.415	01/15/16	Fri	1035	Rear-End			0	0	1	Day	Wet	Careless or Negligent Manner		
852767920	197	23.415	05/12/16	Thu	1658	Rear-End			0	1	0	Day	Dry	Careless or Negligent Manner		
836495450	198	23.415	05/18/16	Wed	0816	Rear-End			0	0	1	Day	Wet	#N/A		
853313320	199	23.415	07/05/16	Tue	1440	Other Non-Fixed Object			0	1	0	Day	Dry	Careless or Negligent Manner		
853150250	200	23.476	07/01/16	Fri	1105	Rear-End			0	1	0	Day	Dry	Other Contributing Action		
852768010	201	23.526	05/19/16	Thu	1413	Rear-End			0	0	1	Day	Dry	Careless or Negligent Manner		
	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	201	3	80	120	108	0	8	0	0	35	0	1	1	8	0	0
	Percent	1.49%	39.80%	59.70%	53.73%	0.00%	3.98%	0.00%	0.00%	17.41%	0.00%	0.50%	0.50%	3.98%	0.00%	0.00%
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
	Total	135	66	45	156	14	1	0	0	1	0	0	0	1	2	0
	Percent	67.16%	32.84%	22.39%	77.61%	6.97%	0.50%	0.00%	0.00%	0.50%	0.00%	0.00%	0.00%	0.50%	1.00%	0.00%
TOTAL ENTERING VEHICLES/ADT: 192,443									SPOT CRASH RATE 0.341 CRASHES PER MILLION ENTERING VEHICLES							

The data shown on this table was electronically obtained from FDOT CARS, the details have not been verified through crash report review.



State of Florida Department of Transportation  
**CRASH SUMMARY**

SECTION: 86070094 STATE ROUTE: 9  
 ROADWAY LIMITS: Ramp from EB SW 10th Street to NB I-95 M.P. 0.000 TO 0.100 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)				
828683640	1	0.000	04/20/12	Fri	1753	Rear-End	0	0	1	Day	Dry	Other Contributing Action				
836096770	2	0.000	10/10/12	Wed	0930	Not Coded	0	1	0	Day	Dry	Ran Red Light				
828585430	3	0.004	02/13/12	Mon	0938	Rear-End	0	0	1	Day	Dry	Other Contributing Action				
828578380	4	0.005	03/29/12	Thu	1355	Rear-End	0	0	1	Day	Dry	#N/A				
828723180	2	0.009	05/01/12	Tue	1039	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner				
828787520	6	0.103	04/09/12	Mon	1658	Rear-End	0	0	1	Day	Dry	No Contributing Action				
820585570	7	0.005	02/07/13	Thu	1055	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
832428150	1	0.034	02/20/13	Wed	1012	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
836415300	2	0.043	07/19/13	Fri	0803	Concrete Traffic Barrier	0	0	1	Day	Wet	Careless or Negligent Manner				
836544510	3	0.101	08/15/13	Thu	1536	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
836544460	4	0.102	08/09/13	Fri	2001	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner				
845000450	3	0.008	09/30/14	Tue	1556	Not Coded	0	0	1	Day	Wet	Careless or Negligent Manner				
837850240	4	0.009	06/12/14	Thu	1950	Not Coded	0	0	1	Night	Wet	#N/A				
837755240	5	0.034	06/02/14	Mon	1919	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner				
838149330	6	0.034	07/09/14	Wed	1039	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner				
847449940	5	0.034	12/31/14	Wed	2013	Rear-End	0	0	1	Night	Wet	Followed too Closely				
837451360	6	0.184	02/05/14	Wed	0754	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
845170840	9	0.184	11/26/14	Wed	1023	Tree (Standing)	0	0	1	Day	Wet	Other Contributing Action				
838162840	19	0.203	07/15/14	Tue	1631	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner				
845540760	20	0.004	01/16/15	Fri	1513	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
848866120	21	0.019	08/24/15	Mon	1132	Guardrail Face	0	0	1	Day	Wet	Drove too Fast for Conditions				
845641820	22	0.034	05/01/15	Fri	1624	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
845688880	23	0.034	06/04/15	Thu	0741	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner				
851980560	7	0.034	11/11/15	Wed	1916	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner				
853878840	8	0.000	09/01/16	Thu	0734	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner				
853456010	26	0.019	08/17/16	Wed	0835	Rear-End	0	0	1	Day	Wet	Other Contributing Action				
	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	26	0	5	21	20	0	0	0	0	0	0	0	0	0	0	1
	Percent	0.00%	19.23%	80.77%	76.92%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.85%
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
	Total	21	5	9	17	1	0	0	1	0	0	0	0	0	0	0
	Percent	80.77%	19.23%	34.62%	65.38%	3.85%	0.00%	0.00%	3.85%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL ENTERING VEHICLES/ADT: 12,500							SPOT CRASH RATE 13.151 CRASHES PER MILLION ENTERING VEHICLES									

The data shown on this table was electronically obtained from FDOT CARS, the details have not been verified through crash report review.

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070093 STATE ROUTE: 9  
 ROADWAY LIMITS: NB I-95 off ramp to SW 10th Street M.P. 0.000 TO 0.300 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
828516940	1	0.000	01/01/12	Sun	1113	Overturn/Rollover	0	0	1	Day	Dry	#N/A
831877720	2	0.075	08/17/12	Fri	1831	Other Non-Collision	0	0	1	Day	Wet	Swerved Or Avoided
831818140	3	0.131	09/18/12	Tue	2155	Utility Pole/Light Support	0	0	1	Night	Wet	Careless or Negligent Manner
828230660	4	0.150	11/11/12	Sun	0122	Utility Pole/Light Support	0	0	1	Night	Dry	#N/A
828878570	2	0.169	05/11/12	Fri	1854	Fence	0	0	1	Day	Wet	Careless or Negligent Manner
831444250	6	0.226	04/29/12	Sun	0250	Concrete Traffic Barrier	0	0	1	Night	Wet	Careless or Negligent Manner
828865950	7	0.226	05/01/12	Tue	0446	Utility Pole/Light Support	0	0	1	Night	Dry	#N/A
831790580	1	0.226	10/01/12	Mon	0945	Utility Pole/Light Support	0	0	1	Day	Wet	No Contributing Action
831459260	2	0.245	08/26/12	Sun	1929	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
828673320	3	0.250	02/10/12	Fri	0608	Overturn/Rollover	0	1	0	Night	Wet	No Contributing Action
832585570	4	0.258	12/26/12	Wed	2137	Utility Pole/Light Support	0	0	1	Night	Wet	#N/A
820585710	3	0.014	06/06/13	Thu	1920	Ditch	0	1	0	Day	Wet	Careless or Negligent Manner
820585440	4	0.075	01/22/13	Tue	0816	Other Non-Collision	0	0	1	Unknown	Other	#N/A
833351280	5	0.169	06/07/13	Fri	1143	Utility Pole/Light Support	0	0	1	Day	Wet	Drove too Fast for Conditions
832788340	6	0.188	12/12/13	Thu	0730	Other Fixed Object	0	1	0	Day	Dry	Other Contributing Action
832989470	5	0.226	06/08/13	Sat	0420	Angle	0	0	1	Night	Dry	Other Contributing Action
832701440	6	0.245	01/05/13	Sat	1143	Traffic Sign Support	0	0	1	Day	Dry	#N/A
836490840	9	0.245	09/15/13	Sun	0230	Utility Pole/Light Support	0	0	1	Night	Dry	#N/A
833280610	19	0.255	06/29/13	Sat	0910	Other Post, Pole Or Support	0	0	1	Day	Wet	Other Contributing Action
845016250	20	0.000	11/09/14	Sun	1500	Concrete Traffic Barrier	0	1	0	Day	Wet	Careless or Negligent Manner
838185960	21	0.164	09/06/14	Sat	0923	Other Non-Collision	0	0	1	Day	Wet	Careless or Negligent Manner
838163620	22	0.207	07/09/14	Wed	0107	Concrete Traffic Barrier	0	0	1	Night	Wet	Careless or Negligent Manner
836953070	23	0.226	07/09/14	Wed	2058	Concrete Traffic Barrier	0	0	1	Night	Wet	Over-Correcting/Over-Steering
845193880	7	0.226	10/16/14	Thu	1551	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
845194380	8	0.226	11/24/14	Mon	0422	Tree (Standing)	0	0	1	Night	Dry	#N/A
845194420	26	0.236	12/05/14	Fri	0430	Traffic Sign Support	0	0	1	Night	Wet	Careless or Negligent Manner
837073600	27	0.245	01/08/14	Wed	1441	Concrete Traffic Barrier	0	0	1	Day	Wet	Drove too Fast for Conditions
845298740	28	0.250	12/27/14	Sat	0721	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
837383310	9	0.255	01/15/14	Wed	0958	Utility Pole/Light Support	0	0	1	Day	Wet	Ran Off Roadway
844073490	10	0.255	12/26/14	Fri	2048	Concrete Traffic Barrier	0	0	1	Night	Wet	Other Contributing Action
844826530	11	0.256	07/23/14	Wed	1512	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
845193950	32	0.258	10/21/14	Tue	1856	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
844826550	33	0.260	07/27/14	Sun	1542	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
844035890	34	0.261	10/23/14	Thu	1445	Rear-End	0	1	0	Day	Wet	Followed too Closely
837707090	35	0.263	03/30/14	Sun	2229	Rear-End	0	0	1	Night	Dry	#N/A
845194310	36	0.263	11/17/14	Mon	2240	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
838163030	37	0.264	08/26/14	Tue	1707	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
844946580	38	0.264	11/09/14	Sun	1449	Overturn/Rollover	0	0	1	Day	Wet	No Contributing Action
851421280	39	0.164	09/17/15	Thu	1940	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner



State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070093 STATE ROUTE: 9  
 ROADWAY LIMITS: NB I-95 off ramp to SW 10th Street M.P. 0.000 TO 0.300 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)				
851980820	40	0.211	12/02/15	Wed	1458	Concrete Traffic Barrier	0	1	0	Day	Wet	Drove too Fast for Conditions				
852014480	41	0.217	11/12/15	Thu	0159	Utility Pole/Light Support	0	1	0	Night	Wet	Careless or Negligent Manner				
851550930	42	0.262	10/11/15	Sun	1732	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
848866340	43	0.263	04/01/15	Wed	1320	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions				
847591610	44	0.264	08/26/15	Wed	1740	Head-On	0	0	1	Day	Wet	Failed To Keep In Proper Lane				
854385350	45	0.005	12/11/16	Sun	2251	Rear-End	0	0	1	Night	Dry	#N/A				
853727960	46	0.019	10/03/16	Mon	0315	Not Coded	0	0	1	Night	Dry	Ran Off Roadway				
853878980	47	0.200	09/18/16	Sun	0411	Fence	0	0	1	Night	Dry	No Contributing Action				
853803630	48	0.222	11/15/16	Tue	0751	Sideswipe	0	0	1	Day	Dry	Other Contributing Action				
862758590	49	0.245	08/27/16	Sat	2215	Utility Pole/Light Support	0	0	1	Night	Wet	Other Contributing Action				
820586070	50	0.245	09/01/16	Thu	0036	Concrete Traffic Barrier	0	1	0	Night	Wet	Careless or Negligent Manner				
862621640	51	0.255	02/05/16	Fri	2335	Rear-End	0	0	1	Night	Dry	#N/A				
853487990	52	0.255	09/22/16	Thu	0700	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner				
854381590	53	0.255	12/06/16	Tue	1104	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
852486940	54	0.258	01/22/16	Fri	2147	Sideswipe	0	0	1	Night	Wet	#N/A				
862712030	55	0.262	06/16/16	Thu	1834	Sideswipe	0	0	1	Day	Dry	Other Contributing Action				
853867590	56	0.262	09/29/16	Thu	1220	Rear-End	0	0	1	Day	Dry	#N/A				
862715710	57	0.264	06/22/16	Wed	1530	Sideswipe	0	0	1	Day	Dry	No Contributing Action				
	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	57	0	10	47	15	1	1	0	0	7	0	0	0	7	0	0
	Percent	0.00%	17.54%	82.46%	26.32%	1.75%	1.75%	0.00%	0.00%	12.28%	0.00%	0.00%	0.00%	12.28%	0.00%	0.00%
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
	Total	31	25	28	28	4	0	0	0	0	0	0	0	0	0	0
	Percent	54.39%	43.86%	49.12%	49.12%	7.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL ENTERING VEHICLES/ADT: 12,000							SPOT CRASH RATE 8.371 CRASHES PER MILLION ENTERING VEHICLES									

The data shown on this table was electronically obtained from FDOT CARS, the details have not been verified through crash report review.

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86070095 STATE ROUTE: 9  
ROADWAY LIMITS: SB I-95 Off ramp to SW 10th Street M.P. 0.000 TO 0.200 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
828228300	1	0.000	02/17/12	Fri	1430	Sideswipe	0	0	1	Day	Dry	Disregarded other Road Markings
828585500	2	0.086	02/22/12	Wed	0743	Rear-End	0	1	0	Day	Dry	Other Contributing Action
831937130	3	0.124	10/15/12	Mon	1510	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
831816030	4	0.172	09/10/12	Mon	1410	Rear-End	0	1	0	Day	Dry	No Contributing Action
829078790	2	0.181	04/25/12	Wed	1452	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
836544840	6	0.091	09/18/13	Wed	1907	Rear-End	0	0	1	Night	Dry	#N/A
836605280	7	0.162	08/24/13	Sat	2235	Rear-End	0	1	0	Night	Wet	Careless or Negligent Manner
833240280	1	0.175	05/18/13	Sat	1734	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
833351410	2	0.179	06/21/13	Fri	1110	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
839222710	3	0.181	02/27/13	Wed	0415	Pedalcycle	0	1	0	Night	Dry	Other Contributing Action
837073530	4	0.181	12/28/13	Sat	1848	Rear-End	0	1	0	Night	Dry	#N/A
837418100	3	0.000	04/01/14	Tue	1837	Rear-End	0	2	0	Night	Dry	Careless or Negligent Manner
845016280	4	0.081	11/09/14	Sun	1825	Rear-End	0	1	0	Night	Wet	Careless or Negligent Manner
820585810	5	0.153	08/17/14	Sun	0121	Rear-End	0	2	0	Night	Dry	Careless or Negligent Manner
844848040	6	0.172	10/04/14	Sat	1335	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
837707450	5	0.173	05/13/14	Tue	1727	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
845002170	6	0.176	12/06/14	Sat	1403	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
837698800	9	0.177	05/03/14	Sat	2359	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
841780800	19	0.181	01/30/14	Thu	2105	Angle	0	0	1	Night	Wet	Improper Turn
852066030	20	0.000	12/18/15	Fri	1854	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
851425940	21	0.086	10/03/15	Sat	1311	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
848645540	22	0.124	04/24/15	Fri	1300	Impact Attenuator/Crash Cushion	0	1	0	Day	Dry	No Contributing Action
851395140	23	0.134	09/15/15	Tue	1355	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
851394980	7	0.143	08/23/15	Sun	1448	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
852014130	8	0.143	09/23/15	Wed	1413	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
851417190	26	0.162	08/07/15	Fri	0601	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
851640790	27	0.162	09/11/15	Fri	2200	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
851266370	28	0.172	07/17/15	Fri	0852	Rear-End	0	0	1	Day	Dry	#N/A
845641370	9	0.181	02/25/15	Wed	1408	Sideswipe	0	0	1	Day	Dry	#N/A
847501470	10	0.181	03/31/15	Tue	2135	Sideswipe	0	0	1	Night	Dry	#N/A
847527630	11	0.181	05/09/15	Sat	1255	Not Coded	0	2	0	Day	Dry	Ran Red Light
847548250	32	0.181	06/13/15	Sat	1201	Not Coded	0	0	1	Day	Dry	Ran Red Light
848766970	33	0.181	07/10/15	Fri	1235	Not Coded	0	0	1	Day	Dry	Other Contributing Action
847564890	34	0.181	07/12/15	Sun	1002	Angle	0	0	1	Day	Dry	Ran Red Light
847565670	35	0.181	07/13/15	Mon	2300	Sideswipe	0	0	1	Night	Dry	Disregarded Other Traffic Sign
847593090	36	0.181	08/27/15	Thu	1728	Angle	0	2	0	Day	Dry	Ran Red Light
847600880	37	0.181	09/10/15	Thu	1305	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane

State of Florida Department of Transportation CRASH SUMMARY																
SECTION:		86070095										STATE ROUTE: 9				
ROADWAY LIMITS:		SB I-95 Off ramp to SW 10th Street							M.P. 0.000		TO 0.200		ENGINEER: AECOM			
STUDY PERIOD:		FROM 1/ 2012					TO 12/ 2016					COUNTY: Broward				
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE			FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)		
847632450	38	0.181	10/30/15	Fri	1355	Angle			0	1	0	Day	Dry	Ran Red Light		
852763290	39	0.000	02/10/16	Wed	1545	Rear-End			0	1	0	Day	Dry	Careless or Negligent Manner		
853245580	40	0.000	06/15/16	Wed	1740	Rear-End			0	0	1	Day	Dry	Careless or Negligent Manner		
852314570	41	0.002	02/16/16	Tue	1710	Sideswipe			0	0	1	Day	Dry	Careless or Negligent Manner		
852963350	42	0.031	04/07/16	Thu	1652	Rear-End			0	0	1	Day	Dry	Careless or Negligent Manner		
852306380	43	0.038	01/28/16	Thu	1728	Rear-End			0	0	1	Night	Wet	Followed too Closely		
853158320	44	0.038	06/23/16	Thu	2350	Impact Attenuator/Crash Cushion			0	0	1	Day	Dry	Other Contributing Action		
852909080	45	0.143	03/24/16	Thu	1416	Rear-End			0	1	0	Day	Dry	Careless or Negligent Manner		
836495330	46	0.162	01/04/16	Mon	1259	Rear-End			0	2	0	Day	Wet	Careless or Negligent Manner		
852487280	47	0.162	02/19/16	Fri	1715	Rear-End			0	0	1	Day	Dry	Careless or Negligent Manner		
862695260	48	0.181	05/21/16	Sat	1641	Sideswipe			0	0	1	Day	Dry	Other Contributing Action		
862703040	49	0.181	06/03/16	Fri	0359	Sideswipe			0	0	1	Night	Dry	Failed To Keep In Proper Lane		
862716110	50	0.181	06/23/16	Thu	1030	Angle			0	0	1	Day	Dry	Ran Red Light		
866678880	51	0.181	09/11/16	Sun	1719	Angle			0	0	1	Day	Dry	Improper Turn		
853693390	52	0.181	09/15/16	Thu	2013	Angle			0	0	1	Night	Dry	Careless or Negligent Manner		
	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	52	0	23	29	28	0	7	0	0	11	0	1	0	0	0	0
	Percent	0.00%	44.23%	55.77%	53.85%	0.00%	13.46%	0.00%	0.00%	21.15%	0.00%	1.92%	0.00%	0.00%	0.00%	0.00%
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
	Total	36	16	5	47	2	0	0	0	0	0	1	0	0	0	0
	Percent	69.23%	30.77%	9.62%	90.38%	3.85%	0.00%	0.00%	0.00%	0.00%	0.00%	1.92%	0.00%	0.00%	0.00%	0.00%
TOTAL ENTERING VEHICLES/ADT: 13,500									SPOT CRASH RATE 5.074 CRASHES PER MILLION ENTERING VEHICLES							

The data shown on this table was electronically obtained from FDOT CARS, the details have not been verified through crash report review.

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86012000 STATE ROUTE: 9  
ROADWAY LIMITS: SW 10th Street at Newport Center Drive M.P. 1.774 TO 1.874 ENGINEER: AECOM  
STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
827523430	1	1.795	03/09/12	Fri	0821	Rear-End	0	1	0	Day	Dry	Followed too Closely
827540690	2	1.814	05/07/12	Mon	1710	Rear-End	0	1	0	Day	Dry	Followed too Closely
827553620	3	1.817	06/08/12	Fri	1933	Rear-End	0	2	0	Night	Wet	Drove too Fast for Conditions
827493020	4	1.823	03/06/12	Tue	2145	Rear-End	0	0	1	Night	Dry	Followed too Closely
824177680	2	1.823	08/07/12	Tue	2036	Angle	0	3	0	Night	Dry	Failed to Yield Right-Of-Way
827583890	6	1.823	09/12/12	Wed	1430	Rear-End	0	0	1	Day	Dry	Improper Backing
827448840	7	1.827	08/16/12	Thu	1510	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
827517450	1	1.831	02/13/12	Mon	0718	Rear-End	0	1	0	Day	Dry	Followed too Closely
827561440	2	1.842	07/04/12	Wed	2240	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
827558740	3	1.861	06/25/12	Mon	1420	Sideswipe	0	1	0	Day	Dry	Swerved Or Avoided
836304230	4	1.795	02/04/13	Mon	0906	Rear-End	0	0	1	Day	Dry	Followed too Closely
840990660	3	1.795	05/17/13	Fri	1318	Rear-End	0	1	0	Day	Dry	Other Contributing Action
840992090	4	1.804	05/24/13	Fri	1612	Sideswipe	0	0	1	Day	Dry	Not Coded
834970320	5	1.814	09/30/13	Mon	0751	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
841007110	6	1.817	08/15/13	Thu	0702	Sideswipe	0	0	1	Day	Wet	Drove too Fast for Conditions
834961420	5	1.819	09/10/13	Tue	1525	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
834965130	6	1.819	09/13/13	Fri	1227	Rear-End	0	0	1	Day	Dry	#N/A
839236120	9	1.822	04/21/13	Sun	1830	Rear-End	0	0	1	Day	Dry	Followed too Closely
836298640	19	1.823	01/16/13	Wed	1715	Head-On	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
839235720	20	1.823	04/18/13	Thu	2256	Sideswipe	0	0	1	Night	Dry	Not Coded
836298770	21	1.824	01/16/13	Wed	1150	Rear-End	0	0	1	Day	Dry	Followed too Closely
836301880	22	1.828	01/27/13	Sun	2214	Rear-End	0	0	1	Night	Dry	Other Contributing Action
834959540	23	1.861	09/06/13	Fri	1031	Rear-End	0	0	1	Day	Dry	Followed too Closely
840505560	7	1.861	11/25/13	Mon	0830	Angle	0	0	1	Day	Dry	#N/A
838900330	8	1.861	12/05/13	Thu	1655	Sideswipe	0	0	1	Night	Dry	No Contributing Action
844007230	26	1.817	09/03/14	Wed	1025	Rear-End	0	1	0	Day	Wet	Other Contributing Action
844000780	27	1.818	08/21/14	Thu	1919	Rear-End	0	0	1	Night	Dry	Followed too Closely
844064190	28	1.822	12/11/14	Thu	1903	Rear-End	0	0	1	Night	Dry	Followed too Closely
841781570	9	1.823	01/22/14	Wed	2000	Sideswipe	0	0	1	Night	Dry	#N/A
843953460	10	1.823	05/22/14	Thu	2104	Rear-End	0	0	1	Night	Dry	#N/A
843985600	11	1.823	07/23/14	Wed	1630	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
844000190	32	1.823	08/20/14	Wed	1807	Angle	0	2	0	Day	Dry	Improper Turn
844006060	33	1.823	09/01/14	Mon	1002	Angle	0	0	1	Day	Dry	Other Contributing Action
844012280	34	1.823	09/12/14	Fri	0755	Head-On	0	0	1	Day	Wet	Drove too Fast for Conditions
844026460	35	1.823	10/07/14	Tue	1740	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
844033250	36	1.823	10/18/14	Sat	2056	Angle	0	1	0	Night	Dry	Ran Red Light
844044600	37	1.823	11/07/14	Fri	1711	Not Coded	0	1	0	Day	Dry	Careless or Negligent Manner
843992380	38	1.825	08/05/14	Tue	1425	Not Coded	0	0	1	Day	Dry	Improper Backing
844000750	39	1.828	08/21/14	Thu	1846	Rear-End	0	0	1	Day	Dry	#N/A

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86012000 STATE ROUTE: 9  
 ROADWAY LIMITS: SW 10th Street at Newport Center Drive M.P. 1.774 TO 1.874 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
844071760	40	1.832	12/23/14	Tue	1920	Sideswipe	0	0	1	Night	Dry	Improper Passing
844011020	41	1.861	09/10/14	Wed	0930	Rear-End	0	0	1	Day	Dry	#N/A
844019950	42	1.861	09/25/14	Thu	1740	Rear-End	0	0	1	Day	Wet	Followed too Closely
844003460	43	1.870	08/23/14	Sat	1712	Rear-End	0	3	0	Day	Dry	Followed too Closely
847570960	44	1.804	07/23/15	Thu	0915	Rear-End	0	0	1	Day	Dry	Other Contributing Action
847514890	45	1.814	04/20/15	Mon	1757	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
847451110	46	1.819	01/14/15	Wed	1050	Rear-End	0	1	0	Day	Dry	Other Contributing Action
847456800	47	1.819	01/24/15	Sat	0227	Rear-End	0	0	1	Night	Dry	Followed too Closely
847470190	48	1.823	02/13/15	Fri	1510	Rear-End	0	0	1	Day	Dry	#N/A
847470400	49	1.823	02/13/15	Fri	1743	Angle	0	1	0	Day	Dry	Other Contributing Action
847502330	50	1.823	04/01/15	Wed	1930	Angle	0	1	0	Day	Dry	Other Contributing Action
847511170	51	1.823	04/14/15	Tue	2143	Angle	0	2	0	Night	Dry	Improper Turn
847513180	52	1.823	04/17/15	Fri	1724	Rear-End	0	1	0	Day	Dry	No Contributing Action
847586280	53	1.823	08/18/15	Tue	0130	Sideswipe	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
847625390	54	1.823	10/20/15	Tue	0930	Rear-End	0	3	0	Day	Dry	Careless or Negligent Manner
862595850	55	1.823	12/30/15	Wed	1032	Angle	0	0	1	Day	Dry	Drove too Fast for Conditions
847602990	56	1.825	09/14/15	Mon	0704	Sideswipe	0	0	1	Night	Dry	Other Contributing Action
847458600	57	1.827	01/27/15	Tue	0855	Angle	0	0	1	Day	Dry	Failed To Keep In Proper Lane
847620000	58	1.837	10/12/15	Mon	0818	Not Coded	0	2	0	Day	Dry	Ran Red Light
847582880	59	1.838	08/11/15	Tue	1803	Not Coded	0	1	0	Day	Wet	Swerved Or Avoided
847550350	60	1.842	06/17/15	Wed	0915	Rear-End	0	0	1	Day	Dry	Followed too Closely
847596720	61	1.842	09/03/15	Thu	1530	Fell/Jumped from Motor Vehicle	0	1	0	Day	Dry	No Contributing Action
847617860	62	1.842	10/08/15	Thu	0825	Rear-End	0	2	0	Day	Dry	Followed too Closely
847463340	63	1.851	02/03/15	Tue	1305	Angle	0	0	1	Day	Dry	Other Contributing Action
847518050	64	1.851	04/24/15	Fri	1800	Rear-End	0	0	1	Day	Dry	Other Contributing Action
847469980	65	1.861	02/13/15	Fri	1130	Rear-End	0	0	1	Day	Dry	#N/A
862711420	66	1.785	06/15/16	Wed	1800	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
862619240	67	1.804	02/02/16	Tue	1845	Rear-End	0	0	1	Night	Dry	Other Contributing Action
862737080	68	1.804	07/26/16	Tue	1922	Rear-End	0	0	1	Day	Dry	Other Contributing Action
862653810	69	1.809	03/23/16	Wed	1710	Rear-End	0	0	1	Day	Dry	Followed too Closely
866704390	70	1.810	10/21/16	Fri	0920	Rear-End	0	0	1	Day	Dry	Followed too Closely
866684700	71	1.812	09/20/16	Tue	1336	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
866723500	72	1.821	11/19/16	Sat	1947	Rear-End	0	0	1	Day	Dry	No Contributing Action
866722570	73	1.822	11/18/16	Fri	1314	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
862625660	74	1.823	02/11/16	Thu	1945	Head-On	0	0	1	Night	Dry	#N/A
862677380	75	1.823	04/26/16	Tue	1815	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
866706880	76	1.823	10/25/16	Tue	0925	Angle	0	0	1	Day	Dry	Ran Red Light
862721990	77	1.824	07/02/16	Sat	2050	Rear-End	0	0	1	Night	Dry	Other Contributing Action
866700840	78	1.824	10/13/16	Thu	2309	Rear-End	0	0	1	Night	Wet	#N/A

State of Florida Department of Transportation CRASH SUMMARY																
SECTION:		86012000										STATE ROUTE: 9				
ROADWAY LIMITS:		SW 10th Street at Newport Center Drive					M.P. 1.774		TO 1.874		ENGINEER: AECOM					
STUDY PERIOD:		FROM 1/ 2012					TO 12/ 2016		COUNTY: Broward							
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE					FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
862710880	79	1.825	06/14/16	Tue	2322	Rear-End					0	0	1	Night	Dry	Careless or Negligent Manner
862758850	80	1.827	08/28/16	Sun	1232	Sideswipe					0	0	1	Day	Dry	#N/A
866708210	81	1.832	10/27/16	Thu	1006	Rear-End					0	1	0	Day	Dry	Followed too Closely
862650750	82	1.842	03/19/16	Sat	0658	Rear-End					0	0	1	Night	Dry	Followed too Closely
862714070	83	1.842	06/20/16	Mon	0728	Rear-End					0	1	0	Day	Dry	Careless or Negligent Manner
862730080	84	1.842	07/15/16	Fri	1410	Rear-End					0	2	0	Day	Dry	Careless or Negligent Manner
862714860	85	1.861	06/21/16	Tue	1450	Angle					0	0	1	Day	Dry	Ran Red Light
866698310	86	1.861	10/12/16	Wed	0935	Rear-End					0	1	0	Day	Dry	Followed too Closely
	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	86	0	33	53	51	3	14	0	0	13	0	0	0	0	0	0
	Percent	0.00%	38.37%	61.63%	59.30%	3.49%	16.28%	0.00%	0.00%	15.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
	Total	63	23	9	77	1	1	0	0	1	0	0	0	0	0	0
	Percent	73.26%	26.74%	10.47%	89.53%	1.16%	1.16%	0.00%	0.00%	1.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL ENTERING VEHICLES/ADT: 48,500									SPOT CRASH RATE 0.565 CRASHES PER MILLION ENTERING VEHICLES							

The data shown on this table was electronically obtained from FDOT CARS, the details have not been verified through crash report review.

State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86012000 STATE ROUTE: 9  
 INTERSECTING ROADWAY: SW 10th Street at SB I-95 On-Ramp M.P. 1.955 TO 2.135 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
836091480	1	1.985	09/24/12	Mon	1722	Rear-End	0	1	0	Day	Wet	Followed too Closely
827464060	2	2.005	05/09/12	Wed	1500	Sideswipe	0	0	1	Day	Wet	Other Contributing Action
827491590	3	2.006	01/05/12	Thu	1215	Angle	0	1	0	Day	Dry	Improper Turn
827517550	4	2.006	02/13/12	Mon	0953	Rear-End	0	0	1	Day	Dry	Followed too Closely
827556660	2	2.010	06/18/12	Mon	1515	Head-On	0	3	0	Day	Dry	Other Contributing Action
827514000	6	2.010	01/16/12	Mon	1029	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
836273680	7	2.010	10/31/12	Wed	1655	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
832022900	1	2.010	10/19/12	Fri	1839	Not Coded	0	3	0	Night	Dry	#N/A
827501250	2	2.010	02/21/12	Tue	1750	Angle	0	0	1	Day	Dry	Not Coded
827538580	3	2.014	04/30/12	Mon	1515	Sideswipe	0	3	0	Day	Wet	Careless or Negligent Manner
827472180	4	2.015	01/31/12	Tue	1930	Rear-End	0	0	1	Night	Dry	Not Coded
827518470	3	2.018	02/17/12	Fri	1042	Rear-End	0	0	1	Day	Dry	Followed too Closely
827561370	4	2.019	06/30/12	Sat	1653	Rear-End	0	1	0	Day	Dry	Other Contributing Action
827525100	5	2.118	03/16/12	Fri	1033	Angle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
827549050	6	2.118	05/24/12	Thu	0840	Rear-End	0	0	1	Day	Dry	Followed too Closely
827470930	5	2.120	02/18/12	Sat	0420	Rear-End	0	0	1	Night	Dry	Other Contributing Action
827533260	6	2.123	04/12/12	Thu	0952	Rear-End	0	0	1	Day	Dry	Other Contributing Action
834974320	9	1.957	10/08/13	Tue	0806	Rear-End	0	1	0	Day	Dry	Drove too Fast for Conditions
840997200	19	1.964	06/21/13	Fri	1438	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
834967870	20	1.975	09/25/13	Wed	0744	Rear-End	0	0	1	Day	Dry	#N/A
819788890	21	1.983	10/22/13	Tue	1920	Rear-End	0	0	1	Night	Dry	Drove too Fast for Conditions
827493120	22	1.986	01/21/13	Mon	1915	Rear-End	0	0	1	Night	Wet	Followed too Closely
834981610	23	1.996	10/21/13	Mon	0633	Sideswipe	0	0	1	Night	Dry	#N/A
836297460	7	2.010	01/12/13	Sat	2058	Head-On	0	1	0	Night	Dry	Ran Red Light
840997770	8	2.010	06/21/13	Fri	1616	Angle	0	0	1	Day	Dry	Other Contributing Action
841005130	26	2.010	08/03/13	Sat	1310	Sideswipe	0	0	1	Day	Dry	Improper Turn
836303100	27	2.010	01/31/13	Thu	0645	Angle	0	0	1	Night	Dry	Ran Red Light
836306060	28	2.120	02/08/13	Fri	1849	Rear-End	0	0	1	Night	Dry	Followed too Closely
843965900	9	1.955	06/15/14	Sun	0206	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
844045010	10	1.955	11/09/14	Sun	1607	Angle	0	1	0	Day	Wet	#N/A
844060170	11	1.964	12/05/14	Fri	1017	Rear-End	0	1	0	Day	Dry	Followed too Closely
843964560	32	1.999	06/12/14	Thu	1314	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
843952730	33	2.001	05/17/14	Sat	1610	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
840510250	34	2.002	01/13/14	Mon	1103	Tree (Standing)	0	1	0	Day	Dry	Careless or Negligent Manner
840516500	35	2.004	01/23/14	Thu	1935	Rear-End	0	0	1	Night	Dry	#N/A
842753780	36	2.010	04/03/14	Thu	1249	Angle	0	0	1	Day	Dry	Other Contributing Action
842751750	37	2.010	03/31/14	Mon	0823	Sideswipe	0	0	1	Day	Dry	Other Contributing Action



State of Florida Department of Transportation  
CRASH SUMMARY

SECTION: 86012000 STATE ROUTE: 9  
 INTERSECTING ROADWAY: SW 10th Street at SB I-95 On-Ramp M.P. 1.955 TO 2.135 ENGINEER: AECOM  
 STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016 COUNTY: Broward

Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
843928070	38	2.014	04/10/14	Thu	2115	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
843980020	39	2.018	07/11/14	Fri	1857	Rear-End	0	1	0	Day	Dry	#N/A
844035580	40	2.074	10/23/14	Thu	0904	Rear-End	0	1	0	Day	Wet	Followed too Closely
844070790	41	2.081	12/22/14	Mon	1436	Rear-End	0	0	1	Day	Dry	Drove too Fast for Conditions
844033930	42	2.083	10/20/14	Mon	1047	Rear-End	0	1	0	Day	Dry	No Contributing Action
840505450	43	2.099	01/04/14	Sat	2230	Rear-End	0	1	0	Night	Dry	Followed too Closely
844045850	44	2.118	11/11/14	Tue	1002	Rear-End	0	4	0	Day	Dry	Other Contributing Action
840515200	45	2.118	01/21/14	Tue	2225	Head-On	0	2	0	Night	Dry	Other Contributing Action
840510200	46	2.120	01/10/14	Fri	1357	Rear-End	0	0	1	Day	Dry	#N/A
862569860	47	1.955	11/21/15	Sat	2350	Not Coded	0	0	1	Night	Wet	Improper Turn
847530060	48	1.958	05/13/15	Wed	1915	Not Coded	0	1	0	Day	Dry	No Contributing Action
847641720	49	1.973	11/12/15	Thu	1813	Head-On	0	0	1	Night	Dry	#N/A
847603000	50	1.975	09/14/15	Mon	0751	Rear-End	0	0	1	Day	Dry	Followed too Closely
847622910	51	2.001	10/16/15	Fri	0143	Head-On	0	1	0	Night	Dry	Failed To Keep In Proper Lane
847546580	52	2.008	06/10/15	Wed	1419	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
847573580	53	2.008	07/28/15	Tue	0355	Guardrail Face	0	1	0	Night	Dry	Other Contributing Action
847561240	54	2.009	07/06/15	Mon	1306	Rear-End	0	0	1	Day	Dry	Followed too Closely
847524790	55	2.010	05/05/15	Tue	1540	Rear-End	0	0	1	Day	Wet	#N/A
847507260	56	2.010	04/09/15	Thu	0258	Not Coded	0	1	0	Night	Dry	#N/A
847545980	57	2.012	06/09/15	Tue	1234	Overturn/Rollover	0	1	0	Day	Dry	Followed too Closely
847538930	58	2.027	05/27/15	Wed	1927	Rear-End	0	0	1	Day	Dry	Followed too Closely
847545870	59	2.050	06/09/15	Tue	0858	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
847597600	60	2.061	09/04/15	Fri	1745	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
847576520	61	2.091	08/02/15	Sun	0309	Not Coded	0	0	1	Night	Dry	Other Contributing Action
847590940	62	2.110	08/25/15	Tue	1330	Rear-End	0	0	1	Day	Dry	#N/A
847619800	63	2.112	10/14/15	Wed	1950	Rear-End	0	1	0	Night	Dry	Followed too Closely
862583850	64	2.120	12/11/15	Fri	2311	Rear-End	0	0	1	Night	Dry	#N/A
862750390	65	2.000	08/15/16	Mon	1725	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
862659910	66	2.006	04/01/16	Fri	0730	Sideswipe	0	0	1	Day	Dry	Improper Turn
866679530	67	2.008	09/12/16	Mon	1712	Rear-End	0	1	0	Day	Dry	#N/A
866753630	68	2.008	12/30/16	Fri	1718	Not Coded	0	0	1	Day	Dry	Failed To Keep In Proper Lane
866733610	69	2.008	12/04/16	Sun	0005	Rear-End	0	0	1	Night	Dry	Followed too Closely
862598230	70	2.010	01/02/16	Sat	2105	Sideswipe	0	0	1	Night	Dry	Other Contributing Action
866742210	71	2.010	12/15/16	Thu	0815	Angle	0	1	0	Day	Dry	Improper Turn
866729140	72	2.010	11/28/16	Mon	1410	Angle	0	1	0	Day	Dry	Ran Red Light
862699480	73	2.010	05/27/16	Fri	1839	Sideswipe	0	0	1	Day	Dry	#N/A
862676780	74	2.010	04/25/16	Mon	1936	Head-On	0	1	0	Night	Dry	Disregarded other Road Markings



State of Florida Department of Transportation CRASH SUMMARY																
SECTION:		86012000										STATE ROUTE: 9				
INTERSECTING ROADWAY:		SW 10th Street at SB I-95 On-Ramp							M.P. 1.955		TO 2.135		ENGINEER: AECOM			
STUDY PERIOD:		FROM 1/ 2012					TO 12/ 2016					COUNTY: Broward				
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE			FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)		
862694870	75	2.014	05/21/16	Sat	0011	Rear-End			0	3	0	Night	Dry	Careless or Negligent Manner		
862688590	76	2.023	05/12/16	Thu	1150	Rear-End			0	0	1	Day	Dry	Careless or Negligent Manner		
862617170	77	2.024	01/30/16	Sat	1416	Rear-End			0	0	1	Day	Dry	Followed too Closely		
862696120	78	2.061	05/19/16	Thu	0730	Angle			0	0	1	Day	Wet	Failed To Keep In Proper Lane		
862756900	79	2.075	08/25/16	Thu	1525	Rear-End			0	1	0	Day	Dry	Followed too Closely		
862644870	80	2.097	03/11/16	Fri	0853	Rear-End			0	0	1	Day	Dry	Followed too Closely		
866701890	81	2.114	10/17/16	Mon	1757	Angle			0	1	0	Day	Dry	Followed too Closely		
	Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
	81	0	31	50	39	6	11	0	0	16	0	0	0	0	0	1
	Percent	0.00%	38.27%	61.73%	48.15%	7.41%	13.58%	0.00%	0.00%	19.75%	0.00%	0.00%	0.00%	0.00%	0.00%	1.23%
	Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
	Total	55	26	10	71	1	1	1	0	0	0	0	0	0	0	0
	Percent	67.90%	32.10%	12.35%	87.65%	1.23%	1.23%	1.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL ENTERING VEHICLES/ADT: 37,500									SPOT CRASH RATE 1.242 CRASHES PER MILLION ENTERING VEHICLES							

The data shown on this table was electronically obtained from FDOT CARS, the details have not been verified through crash report review.

## CRASH SUMMARY

CRASH SUMMARY										
	ROADWAY LIMITS: SW 10th Street at Natura Blvd				ENGINEER: JES					
	STUDY PERIOD: FROM 1/ 2012				TO 12/ 2016			COUNTY: Broward		
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	Crash Severity	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
82751340	1	-	01/09/12	-	10:07 PM	Other	Injury	Dark - Lighted	Dry	-
82751512	2	-	01/25/12	-	6:47 PM	Rear End	Injury	Dark - Lighted	Dry	-
82746161	3	-	02/27/12	-	5:50 PM	Left Turn	Injury	Daylight	Dry	-
82753117	4	-	04/05/12	-	3:58 PM	Rear End	Property Damage Only	Daylight	Dry	-
82748471	5	-	04/17/12	-	3:08 PM	Left Turn	Injury	Daylight	Dry	-
82747508	6	-	04/18/12	-	7:19 AM	Other	Injury	Daylight	Dry	-
82754223	7	-	05/11/12	-	1:38 PM	Rear End	Property Damage Only	Daylight	Dry	-
82754701	8	-	05/17/12	-	3:00 PM	Other	Property Damage Only	Daylight	Dry	-
82745279	9	-	06/06/12	-	8:44 AM	Left Turn	Injury	Daylight	Dry	-
82755298	10	-	06/07/12	-	9:31 AM	Other	Injury	Daylight	Dry	-
82757976	11	-	08/31/12	-	2:18 PM	Rear End	Property Damage Only	Daylight	Dry	-
83609629	12	-	10/08/12	-	9:00 PM		Injury	Dark - Lighted	Dry	-
82748114	13	-	12/14/12	-	10:00 PM	Rear End	Property Damage Only	Dark - Lighted	Wet	-
83630608	14	-	02/08/13	-	7:50 PM	Rear End	Property Damage Only	Dark - Lighted	Dry	-
83630636	15	-	02/09/13	-	7:55 PM	Left Turn	Injury	Dark - Lighted	Dry	-
83922672	16	-	03/11/13	-	11:47 PM	Angle	Property Damage Only	Dark - Lighted	Dry	-
83922845	17	-	03/17/13	-	5:37 AM	Off Road	Injury	Dark - Lighted	Dry	-
83922963	18	-	03/21/13	-	8:30 AM	Rear End	Property Damage Only	Daylight	Dry	-
83923839	19	-	03/31/13	-	3:25 PM	Rear End	Property Damage Only	Daylight	Dry	-
83923301	20	-	04/04/13	-	7:45 PM	Angle	Injury	Dawn	Wet	-
83923639	21	-	04/23/13	-	6:36 AM	Angle	Injury	Daylight	Wet	-
83923837	22	-	05/04/13	-	11:30 PM	Sideswipe	Injury	Dark - Lighted	Dry	-
84099147	23	-	05/22/13	-	11:25 AM	Rear End	Property Damage Only	Daylight	Dry	-
84099218	24	-	05/25/13	-	8:55 AM	Other	Injury	Daylight	Dry	-
84100259	25	-	07/18/13	-	11:00 PM	Off Road	Property Damage Only	Dark - Lighted	Wet	-
84100564	26	-	08/05/13	-	5:53 PM	Rear End	Injury	Daylight	Dry	-
84100642	27	-	08/10/13	-	12:09 PM	Rear End	Injury	Daylight	Dry	-
83496964	28	-	09/28/13	-	7:45 PM	Left Turn	Injury	Dark - Lighted	Wet	-
83497251	29	-	10/04/13	-	3:24 PM	Left Turn	Property Damage Only	Daylight	Dry	-
83497682	30	-	10/13/13	-	5:20 PM	Off Road	Property Damage Only	Daylight	Dry	-
83497797	31	-	10/15/13	-	8:41 PM	Left Turn	Injury	Dark - Lighted	Dry	-
83498222	32	-	10/24/13	-	12:24 PM	Rear End	Property Damage Only	Daylight	Dry	-
83499457	33	-	11/15/13	-	7:07 PM	Rear End	Injury	Daylight	Dry	-
83499679	34	-	11/20/13	-	7:20 AM	Rear End	Property Damage Only	Daylight	Dry	-
83890211	35	-	12/09/13	-	3:15 PM	Rear End	Injury	Daylight	Dry	-
83890927	36	-	12/21/13	-	6:50 PM	Rear End	Injury	Dark - Lighted	Dry	-
84050222	37	-	12/28/13	-	11:55 AM	Off Road	Property Damage Only	Daylight	Dry	-
84178382	38	-	02/04/14	-	9:30 PM	Left Turn	Property Damage Only	Dark - Lighted	Dry	-

## CRASH SUMMARY

CRASH SUMMARY										
		ROADWAY LIMITS: SW 10th Street at Natura Blvd				ENGINEER: JES				
		STUDY PERIOD: FROM 1/ 2012				TO 12/ 2016		COUNTY: Broward		
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	Crash Severity	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
84274268	39	-	02/23/14	-	5:00 AM	Off Road	Property Damage Only	Dark - Lighted	Dry	-
84274064	40	-	03/11/14	-	2:47 PM	Rear End	Property Damage Only	Daylight	Dry	-
84274221	41	-	03/13/14	-	6:45 PM	Angle	Injury	Dusk	Dry	-
84274616	42	-	03/20/14	-	1:47 PM	Left Turn	Injury	Daylight	Dry	-
84274786	43	-	03/23/14	-	2:30 PM	Angle	Property Damage Only	Daylight	Dry	-
84274859	44	-	03/25/14	-	6:44 AM	Left Turn	Injury	Dark - Lighted	Wet	-
83738405	45	-	03/29/14	-	7:43 PM	Rear End	Property Damage Only	Dark - Lighted	Wet	-
84393103	46	-	04/15/14	-	10:07 PM	Angle	Property Damage Only	Dark - Lighted	Dry	-
84393406	47	-	04/18/14	-	4:50 AM	Angle	Injury	Dark - Lighted	Wet	-
84395393	48	-	05/23/14	-	3:10 PM	Sideswipe	Property Damage Only	Daylight	Dry	-
83775523	49	-	05/23/14	-	5:39 PM	Rear End	Property Damage Only	Daylight	Dry	-
84396197	50	-	06/07/14	-	12:12 PM	Bicycle	Injury	Daylight	Dry	-
84397754	51	-	07/07/14	-	5:00 PM	Unknown	Property Damage Only	Daylight	Dry	-
83816276	52	-	07/09/14	-	4:00 PM	Rear End	Property Damage Only	Daylight	Wet	-
84398302	53	-	07/17/14	-	4:14 PM	Rear End	Injury	Daylight	Dry	-
84398561	54	-	07/23/14	-	4:10 PM	Rear End	Property Damage Only	Daylight	Dry	-
84400100	55	-	08/22/14	-	11:58 AM	Rear End	Property Damage Only	Daylight	Dry	-
84400641	56	-	09/02/14	-	4:43 AM	Other	Property Damage Only	Dark - Not Lighted	Wet	-
84401680	57	-	09/19/14	-	5:21 PM	Unknown	Property Damage Only	Daylight	Wet	-
84403358	58	-	10/19/14	-	4:52 PM	Angle	Injury	Daylight	Dry	-
84403391	59	-	10/19/14	-	12:00 PM	Rear End	Property Damage Only	Daylight	Dry	-
84403984	60	-	10/30/14	-	5:14 PM	Rear End	Injury	Daylight	Dry	-
84404071	61	-	11/01/14	-	2:26 PM	Rear End	Injury	Daylight	Dry	-
84404083	62	-	11/01/14	-	1:55 PM	Left Turn	Property Damage Only	Daylight	Dry	-
84405833	63	-	12/02/14	-	2:45 PM	Sideswipe	Property Damage Only	Daylight	Dry	-
84516469	64	-	12/15/14	-	6:11 PM	Rear End	Injury	Dark - Lighted	Dry	-
84527596	65	-	01/06/15	-	8:06 PM	Rear End	Property Damage Only	Dark - Lighted	Wet	-
84744971	66	-	01/12/15	-	8:14 AM	Rear End	Injury	Daylight	Wet	-
84745555	67	-	01/22/15	-	5:24 AM	Left Turn	Property Damage Only	Dark - Lighted	Dry	-
84745962	68	-	01/28/15	-	3:56 PM	Unknown	Injury	Daylight	Dry	-
84746374	69	-	02/04/15	-	7:56 AM	Unknown	Property Damage Only	Daylight	Dry	-
84746434	70	-	02/04/15	-	9:40 PM	Left Turn	Injury	Dark - Lighted	Dry	-
84746562	71	-	02/06/15	-	5:39 PM	Off Road	Property Damage Only	Dusk	Wet	-
84748658	72	-	03/09/15	-	11:25 AM	Unknown	Injury	Daylight	Dry	-
84749231	73	-	03/17/15	-	7:43 PM	Rear End	Property Damage Only	Dark - Lighted	Dry	-
84751083	74	-	04/14/15	-	1:56 PM	Sideswipe	Property Damage Only	Daylight	Dry	-
84751397	75	-	04/19/15	-	1:45 AM	Angle	Injury	Dark - Lighted	Dry	-
84751529	76	-	04/21/15	-	11:15 AM	Other	Injury	Daylight	Wet	-

## CRASH SUMMARY

CRASH SUMMARY										
		ROADWAY LIMITS: SW 10th Street at Natura Blvd				ENGINEER: JES				
		STUDY PERIOD: FROM 1/ 2012				TO 12/ 2016		COUNTY: Broward		
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	Crash Severity	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
84751847	77	-	04/25/15	-	1:12 PM	Rear End	Injury	Daylight	Dry	-
84752051	78	-	04/27/15	-	6:30 PM	Sideswipe	Property Damage Only	Dusk	Wet	-
84894377	79	-	05/03/15	-	2:43 AM	Rear End	Property Damage Only	Dark - Lighted	Dry	-
84752581	80	-	05/06/15	-	9:22 PM	Rear End	Injury	Dark - Lighted	Dry	-
84754626	81	-	06/09/15	-	9:21 PM	Rear End	Property Damage Only	Dark - Lighted	Dry	-
84756617	82	-	07/14/15	-	5:50 PM	Other	Property Damage Only	Daylight	Wet	-
84756651	83	-	07/15/15	-	10:46 AM	Unknown	Property Damage Only	Daylight	Dry	-
84758472	84	-	08/15/15	-	11:40 AM	Unknown	Property Damage Only	Daylight	Dry	-
84758537	85	-	08/16/15	-	4:41 PM	Left Turn	Injury	Daylight	Dry	-
84759399	86	-	08/30/15	-	4:23 AM	Left Turn	Property Damage Only	Dark - Not Lighted	Wet	-
84761931	87	-	10/10/15	-	7:07 PM	Left Turn	Injury	Dusk	Dry	-
84762204	88	-	10/14/15	-	7:51 PM	Other	Property Damage Only	Dark - Lighted	Dry	-
86257531	89	-	11/25/15	-	8:00 AM	Off Road	Injury	Daylight	Dry	-
86257373	90	-	11/28/15	-	10:26 AM	Other	Property Damage Only	Daylight	Dry	-
86257393	91	-	11/28/15	-	2:49 PM	Rear End	Injury	Daylight	Dry	-
86257619	92	-	12/01/15	-	9:40 AM	Other	Property Damage Only	Daylight	Dry	-
86260487	93	-	01/13/16	-	5:50 AM	Angle	Property Damage Only	Dark - Lighted	Dry	-
86264548	94	-	03/11/16	-	7:33 PM	Rear End	Property Damage Only	Dark - Lighted	Dry	-
86265519	95	-	03/25/16	-	6:20 PM	Rear End	Injury	Daylight	Wet	-
86266077	96	-	04/02/16	-	4:06 AM	Left Turn	Property Damage Only	Dark - Lighted	Dry	-
86266857	97	-	04/09/16	-	2:51 PM	Other	Injury	Daylight	Dry	-
86269223	98	-	05/17/16	-	9:09 PM	Left Turn	Property Damage Only	Dark - Lighted	Dry	-
86269519	99	-	05/21/16	-	2:35 PM	Rear End	Injury	Daylight	Dry	-
86271770	100	-	06/25/16	-	5:17 PM	Left Turn	Injury	Daylight	Dry	-
86272061	101	-	06/30/16	-	5:10 PM	Rear End	Property Damage Only	Daylight	Dry	-
86272321	102	-	07/05/16	-	7:52 AM	Rollover	Property Damage Only	Daylight	Dry	-
86272366	103	-	07/05/16	-	8:51 PM	Unknown	Property Damage Only	Dark - Lighted	Dry	-
86272310	104	-	07/05/16	-	12:45 AM	Angle	Injury	Dark - Lighted	Dry	-
86272590	105	-	07/09/16	-	3:07 AM	Angle	Injury	Dark - Lighted	Dry	-
86273171	106	-	07/18/16	-	9:42 AM	Rear End	Injury	Daylight	Dry	-
86274425	107	-	08/06/16	-	9:22 AM	Left Turn	Injury	Daylight	Wet	-
86274664	108	-	08/08/16	-	9:49 PM	Angle	Injury	Dark - Lighted	Wet	-
86275150	109	-	08/17/16	-	3:13 PM	Unknown	Injury	Daylight	Dry	-
86275545	110	-	08/23/16	-	2:47 PM	Left Turn	Injury	Daylight	Dry	-
86275782	111	-	08/26/16	-	5:18 PM	Rear End	Property Damage Only	Daylight	Wet	-
86668152	112	-	09/15/16	-	4:45 PM	Rear End	Injury	Daylight	Dry	-
86669950	113	-	10/13/16	-	5:44 PM	Unknown	Injury	Daylight	Dry	-
86670439	114	-	10/21/16	-	9:20 AM	Rear End	Property Damage Only	Daylight	Dry	-

### CRASH SUMMARY

CRASH SUMMARY																			
		ROADWAY LIMITS: SW 10th Street at Natura Blvd										ENGINEER: JES							
		STUDY PERIOD: FROM 1/ 2012 TO 12/ 2016										COUNTY: Broward							
Crash Number	No.	MILE POST	DATE	DAY	TIME	CRASH TYPE			Crash Severity			DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)					
86671488	115	-	11/05/16	-	10:51 PM	Head On			Property Damage Only			Dark - Lighted	Dry	-					
86672397	116	-	11/20/16	-	8:30 PM	Angle			Property Damage Only			Dark - Lighted	Dry	-					
86672575	117	-	11/23/16	-	8:45 AM	Rear End			Property Damage Only			Daylight	Dry	-					
86672777	118	-	11/26/16	-	8:17 AM	Left Turn			Injury			Daylight	Dry	-					
86673296	119	-	12/02/16	-	7:25 PM	Left Turn			Injury			Dark - Lighted	Dry	-					
86673664	120	-	12/07/16	-	8:39 PM	Left Turn			Injury			Dark - Lighted	Dry	-					
86674373	121	-	12/16/16	-	7:58 PM	Rear End			Injury			Dark - Lighted	Dry	-					
	Total No.	Fatality	Injury	PDO	Rear End	Head On	Angle	Left Turn	Sideswipe	Ped/Bike	Off Road	Other	Daylight	Night	Wet	Dry			
	121	0	60	61	45	1	14	24	5	1	7	22	72	0	22	99			
	Percent	0.00%	49.59%	50.41%	37.19%	0.83%	11.57%	19.83%	4.13%	0.83%	5.79%	18.18%	59.50%	0.00%	18.18%	81.82%			
TOTAL ENTERING VEHICLES/ADT:								37,250				SEGMENT CRASH RATE:				9.125 CRASHES PER MILLION VEHICLE MILES			

The data shown on this table was electronically obtained from Signal Hour Analytics, the details have not been verified through crash report review.

▼ Category: Interchange design (11)

▼ Subcategory: None (11)

▼ Countermeasure: Add continuous auxiliary lane for weaving between entrance ramp and exit ramp

<input type="checkbox"/> Compare	CMF	CRF (%)	Quality	Crash Type	Crash Severity	Area Type	Reference	Comments
<input type="checkbox"/>	0.79	21	★★★★☆	All	All		Ray et al., 2011	ADT range for ramps is ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.77	23	★★★★☆	All	K,A,B,C		Ray et al., 2011	ADT range for ramps is ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.8	20	★★★★☆	Single vehicle	All		Ray et al., 2011	ADT range for ramps is ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.76	24	★★★★☆	Multiple vehicle	All		Ray et al., 2011	ADT range for ramps is ... <a href="#">[read more]</a>

Compare

Reset Compare

*\*NOTE: You can compare CMFs across countermeasures, subcategories, and categories.*

▶ Countermeasure: Closely spaced single-lane entrance and exit ramp vs. single-lane entrance and exit ramps with continuous auxiliary lane

▼ Countermeasure: Provide an auxiliary lane between an entrance ramp and exit ramp

<input type="checkbox"/> Compare	CMF	CRF (%)	Quality	Crash Type	Crash Severity	Area Type	Reference	Comments
<input type="checkbox"/>	0.8	20	★★★★☆	All	All	Not specified	Ray et al., 2010	This CMF was obtained from ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.77	23	★★★★☆	All	K,A,B,C	Not specified	Ray et al., 2010	This CMF was obtained from ... <a href="#">[read more]</a>
<input type="checkbox"/>	0.8	20	★★★★☆	Single vehicle	All	Not specified	Ray et al., 2010	This CMF was obtained from ... <a href="#">[read more]</a>

**Table 3-7. CRFs for Construction/Reconstruction Improvements (cont.)**

Improvement	Crash Reduction Factor (%)															
	I All	F	II I PDO		HO	RE	RA	SS	III LT RT FO Ped ROR OT					IV WP	V N	
<b>INTERSECTION</b>																
Increase turning radii	15(KY) 15(MO) 10(MT) <u>13</u>					15 (MI)		15 (MI)			15 (MI)	15 (MI)		15 (MI)		
Improve sight distance	75(AK) 7(AZ) 20(CA) 35(IA) 30(KY) 30(MO) <u>33</u>				75(AK) 10(MO) 100(MN) <u>43</u>	10(AZ)	21(AZ) 21(MO) 70 (mn) <u>21</u>	75(AK) 10(MO) <u>43</u>	13(AZ) 13(MO) <u>13</u>			10(MO)	100(MN) 100(mn)			
<b>FREEWAY</b>																
Construct interchange	60(AK) 55(KY) 55(MO) 55(TX) 57															
Modify entrance/exit ramp	25(KT) 25(MO) <u>25</u>															
Construct frontage road	40(MO)															
Install glare screen																15(KT) 15(MO) <u>15</u>
<b>PEDESTRIAN</b>																
Construct pedestrian bridge or tunnel	5(MO)											100(AK) 67(AZ) 90(KY) 90(MO) <u>86</u>				
Install sidewalk												75(AK) 89(AZ) 65(KY) 65(MO) 65(OK) <u>74</u>				
Pedestrian signing	4(AZ)											15(AZ)				
Construct grade separation		90(VA)	90(VA)	90(VA)		Appendix Q										Page 62 of 64



**Table 3-7. CRFs for Construction/Reconstruction Improvements (cont.)**

Improvement	Crash Reduction Factor (%)																
	I All	F	II I PDO		HO	RE	RA	SS	III LT RT FO			Ped	ROR	OT	IV WP	V N	
Widen lane, add 4 ft To both sides					40(MO)			40(MO)					40(MO)				
Add 4 feet shoulder(bike lane)																	
<b>ADDITIONAL LANES</b>																	
Add acceleration /deceleration lane	75(AK) 25(IA) 10(KY) 10(MO) 10(MT) 10(OK) 26					75(AK)		75(AK)									
Add lanes	25(AZ) 25(IA) 10(IN) 25(MO) 20(MT) 31(NY) 20(ny) 22	39(MO)	23(MO)	27(MO)	53(AZ) 53(MO) 44(NY) 97(MN) 50 (mn) 38(ny) 47	32(AZ) 32(MO) 52(NY) 53(MN) 53(mn) 42(ny) 40	45(NY) 15(MN) 46 (mn) 35(ny) 40	30(AZ) 30(MO) 44(NY) 35(MN) 64 (mn) 38(ny) 36	71(MN) 67 (mn)				44(AZ) 44(MO) 26(MN) 50 (mn) 44	52(NY) 42(ny) 47			
Add through lane	28(MT)																
Add left turn lane with physical separation	19(NY) 51(ny) 35					28(NY) 50(ny) 39	55(NY) 68(ny) 62		24(NY) 24(ny) 24					28(NY) 50(ny) 39			
Add left turn lane with painted separation	50(ny)					39(NY) 54(ny) 47	49(NY) 62(ny) 56		35(NY) 57(ny) 46					39(NY) 54(ny) 47			
Add turning lanes	6(AZ) 25(IA) 20(IN) 17				13(MN)	14(MN) 14 (mn)	13(AZ) 15(MN) 44 (mn) 13	59(AZ) 8 (mn) 59	24(AZ) 35(MN) 33 (mn) 24			50(MN)	25(MN) 25(mn)				
Reconstruct turning lanes	26(IN)																
Add double left-turn lane					75(MN)	29(MN) 32(mn)	20(MN) 8 (mn)	50(MN)	47(MN) 71 (mn)				8(MN) 13(mn)				
Add T-intersection turn and bypass lane					13(mn)	18(MN) 21(mn)	24(MN) 53(mn)	30 (mn)	36(MN) 28 (mn)				40(mn)				
Detached left-turn lane					100(MN) 100 (mn)	11(MN) 56 (mn)	58(MN) 54 (mn)		50(MN)				50(mn)				



**Table 3-6. CRFs for Channelization Improvements (cont.)**

Improvement	Crash Reduction Factor (%)																		
	I All	F	II I		PDO	HO	RE	RA	SS	III LT			RT	FO	Ped	ROR	OT	IV WP	V N
Channelize two-lane to three-lane	32(MO)		59(MO)				46(MO)		46(MO)	46(MO)									
Channelize four-lane to five-lane	28(MO)		42(MO)				40(MO)		40(MO)	40(MO)									
Add mountable median	15(KY) 15(MO) <u>15</u>	90(AK)																	
Add non-mountable median	25(KY) 25(MO) <u>25</u>													25(AK)					
Add left and right turning lanes with signal	14(NY) 41(ny) <u>28</u>						38(NY) 64(ny) <u>51</u>	42(NY) 70(ny) <u>56</u>	38(NY) 64(ny) <u>51</u>										
Provide right-turn lane	25(KY) 25(MO) 25(MT) 25(OK) <u>25</u>						65(MI)	50(OK)	20(MI)			50(KY) 56(MI) 50(MO) <u>53</u>							
Increase turn lane length	15(KY) 15(MO) 40(MT)(b) 40(MT)(c) 15(OK) <u>28</u>																		
Roadway redesign/relocate driveways	50(OK)																		