

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Engineering and Operations Office
System Analysis and Forecast Evaluation (SAFE) Candidates
Fatal and Severe Crashes at 4-Leg Signalized Intersections 2016-2018

-----Statewide Top 20 Sites-----

Sorted by Estimated Benefit-cost Ratio (BCR)

District	RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure					Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment(s)	Months to Reduce One KA Crash	Estimated BCR
				Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm				
7	14030000	9.73	85	✓					92	\$496,348	37	674.55
5	75010000	10.15	108	✓					117	\$391,191	47	531.64
5	75060000	9.45	113	✓					122	\$376,081	49	511.11
7	14090000	0.00	122	✓					132	\$347,691	53	472.52
4	93070000	22.69	152	✓					178	\$682,946	33	464.07
5	75010000	8.64	136	✓					153	\$468,499	40	424.47
6	87030000	2.43	223	✓					262	\$549,029	49	373.07
5	75010000	2.70	157	✓					170	\$269,551	69	366.33
6	87140000	12.60	194	✓					229	\$532,743	43	362.01
6	87281000	8.20	196	✓					230	\$529,583	43	359.86
6	87026000	1.02	207	✓					244	\$500,489	45	340.09
5	92090000	12.11	180	✓					195	\$235,071	79	319.47
1	13010000	4.26	46		✓				56	\$2,356,294	8	317.78
6	87019000	2.74	237	✓					256	\$218,988	104	297.61
4	93070000	21.17	241	✓					272	\$322,337	70	292.04
4	93180000	5.16	242	✓					252	\$106,916	212	290.60
4	86110000	1.97	243	✓					263	\$212,781	107	289.18
4	86090000	5.34	245	✓					265	\$211,570	107	287.53
5	75060000	8.94	202	✓					218	\$210,087	88	285.51
5	92090000	6.50	202	✓					219	\$209,460	89	284.66

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Engineering and Operations Office
System Analysis and Forecast Evaluation (SAFE) Candidates
Fatal and Severe Crashes at 4-Leg Signalized Intersections 2016-2018

-----District 1-----

Sorted by Context Classification and Estimated BCR

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure					Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm					
Natural (C1), Rural (C2) or Rural Town (C2T)												
17010000	6.14	148		✓				182	\$811,091	26	109.39	Overhead gantry signal structure Pedestrian study recommended, close to an interstate
13030000	4.79	330		✓				407	\$363,138	57	48.97	
09030000	0.00	161		✓			✓	205	\$838,922	25	20.42	
16180000	5.94	181		✓			✓	231	\$744,864	28	18.13	
Suburban Commercial (C3C)												
13010000	4.26	46		✓				56	\$2,356,294	8	317.78	
13160000	0.00	93		✓				115	\$1,151,368	16	155.28	
13010000	1.73	177		✓				219	\$605,122	31	81.61	
17008000	2.03	171		✓			✓	215	\$668,234	28	74.02	
13160000	1.88	254	✓	✓				339	\$556,927	33	68.33	
16180000	1.12	266	✓	✓				355	\$532,548	35	65.34	Issues with Sign Configuration
09030000	7.40	241		✓				297	\$445,105	42	60.03	Consideration for ICE project
17020000	6.12	212		✓			✓	266	\$539,457	34	59.75	
13121000	7.08	272		✓				335	\$394,671	47	53.23	RR crossing, overhead gantry signal structure, pedestrian study recommended
13121000	2.81	150		✓			✓	190	\$808,643	23	19.68	
13121000	1.03	175		✓			✓	223	\$690,899	27	16.82	Pedestrian study recommended

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure								Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm								
13121000	6.49	195		✓					✓	248	\$619,654	30	15.08		
13160000	1.01	106							✓	109	\$160,289	116	4.76		
Suburban Residential (C3R)															
13162000	1.26	137		✓						169	\$674,595	24	90.98		
13020000	2.75	250				✓				275	\$173,827	92	20.70		
Urban General (C4)															
17120000	2.67	274		✓						338	\$479,290	47	64.64		
17008000	1.01	251		✓			✓			315	\$559,018	41	61.92		
17120000	1.40	325		✓						401	\$403,775	56	54.46		

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Engineering and Operations Office
System Analysis and Forecast Evaluation (SAFE) Candidates
Fatal and Severe Crashes at 4-Leg Signalized Intersections 2016-2018

-----District 2-----

Sorted by Context Classification and Estimated BCR

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure					Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm					
Suburban Commercial (C3C)												
72160000	3.63	248	✓	✓		✓		367	\$732,750	25	69.79	Close to an interstate, consideration for ICE project
26090000	13.65	176	✓			✓	✓	217	\$603,855	31	16.43	
26005000	7.84	271	✓	✓		✓	✓	413	\$713,444	26	16.15	
72220000	7.11	256	✓			✓	✓	315	\$416,351	45	11.33	
Urban General (C4)												
26050000	3.96	264	✓			✓		316	\$428,018	53	138.75	
29002000	2.63	405	✓	✓		✓		597	\$550,594	41	52.44	
26010000	15.21	214	✓			✓	✓	264	\$609,592	37	16.59	
Urban Center (C5) or Urban Core (C6)												
26070000	20.35	319	✓			✓		381	\$418,476	64	135.66	

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Engineering and Operations Office
System Analysis and Forecast Evaluation (SAFE) Candidates
Fatal and Severe Crashes at 4-Leg Signalized Intersections 2016-2018

-----District 3-----

Sorted by Context Classification and Estimated BCR

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure							Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm							
Suburban Commercial (C3C)														
48205000	7.13	249	✓	✓	✓	✓	✓		416	\$911,242	20	17.33		
Urban General (C4)														
48020000	13.48	255	✓	✓			✓		377	\$872,528	26	83.10		

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Engineering and Operations Office
System Analysis and Forecast Evaluation (SAFE) Candidates
Fatal and Severe Crashes at 4-Leg Signalized Intersections 2016-2018

-----District 4-----

Sorted by Context Classification and Estimated BCR

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure					Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm					
Natural (C1), Rural (C2) or Rural Town (C2T)												
93016000	2.86	231	✓				✓	280	\$479,269	43	13.64	School
Suburban Commercial (C3C)												
88010000	14.24	277		✓				342	\$387,257	48	52.23	
86100000	19.53	138		✓			✓	176	\$875,735	21	21.31	
Urban General (C4)												
93070000	22.69	152	✓					178	\$682,946	33	464.07	
93070000	21.17	241	✓					272	\$322,337	70	292.04	
93180000	5.16	242	✓					252	\$106,916	212	290.60	
86110000	1.97	243	✓					263	\$212,781	107	289.18	
86090000	5.34	245	✓					265	\$211,570	107	287.53	
93070000	23.46	248	✓					292	\$417,397	54	283.63	
94005000	0.00	269	✓					291	\$192,638	118	261.80	
93070000	22.19	321	✓					377	\$323,113	70	219.56	
86220000	12.33	108	✓	✓				144	\$1,609,575	14	197.48	
86220000	10.34	148	✓	✓				197	\$1,173,654	19	144.00	
93180000	3.61	200	✓	✓				266	\$868,078	26	106.50	
86090000	6.86	235	✓	✓				314	\$735,709	31	90.26	
86006000	0.69	245	✓	✓				327	\$706,068	32	86.63	

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure							Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm							
93180000	4.13	268	✓	✓					357	\$646,645	35	79.34	4Leg Shopping Center	
86020000	12.93	310	✓	✓					413	\$559,227	41	68.61		
93260000	4.52	172	✓	✓				✓	258	\$1,331,963	17	31.30		
93020000	13.54	248					✓		253	\$44,476	511	27.57		
93030000	5.16	199	✓	✓				✓	298	\$1,151,593	20	27.06		
93016000	5.14	176	✓					✓	214	\$688,556	33	19.59		
93030000	6.40	278	✓	✓				✓	417	\$824,730	28	19.38		
93280000	5.55	194	✓					✓	235	\$625,867	36	17.81		
93280000	5.03	236	✓					✓	287	\$512,554	44	14.59		
93006000	2.85	243	✓					✓	294	\$499,690	45	14.22		

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Engineering and Operations Office
System Analysis and Forecast Evaluation (SAFE) Candidates
Fatal and Severe Crashes at 4-Leg Signalized Intersections 2016-2018

-----District 5-----

Sorted by Context Classification and Estimated BCR

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure					Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm					
Natural (C1), Rural (C2) or Rural Town (C2T)												
75035001	0.90	208	✓	✓	✓	✓	✓	348	\$1,214,748	17	23.11	Close to an interstate, Issues with Sign Configuration
Suburban Commercial (C3C)												
75010000	10.15	108	✓					117	\$391,191	47	531.64	
75060000	9.45	113	✓					122	\$376,081	49	511.11	School
75010000	8.64	136	✓					153	\$468,499	40	424.47	Overhead gantry signal structure
75010000	2.70	157	✓					170	\$269,551	69	366.33	
92090000	12.11	180	✓					195	\$235,071	79	319.47	
75060000	8.94	202	✓					218	\$210,087	88	285.51	School, pedestrian study recommended
92090000	6.50	202	✓					219	\$209,460	89	284.66	
79190000	3.31	210	✓					247	\$404,035	46	274.55	
92090000	8.83	81	✓				✓	89	\$625,501	30	266.29	
11010000	7.88	163	✓				✓	195	\$566,011	33	183.49	
70020000	21.00	178	✓				✓	195	\$285,268	65	121.44	RR crossing
79030000	6.24	224	✓				✓	246	\$226,740	82	96.53	

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure							Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm							
79230000	2.38	185	✓	✓		✓			273	\$983,872	19	93.71		
75002000	3.66	252		✓					311	\$425,721	44	57.42	Pedestrian study recommended	
18070000	16.69	241		✓			✓		302	\$475,560	39	52.68		
79060000	19.61	132					✓		134	\$68,361	271	42.38		
79190000	6.13	257			✓				283	\$195,858	95	23.32		
92010000	4.56	213					✓		216	\$42,421	437	26.30		
36030000	0.54	153	✓				✓	✓	189	\$696,246	27	18.94		
75270000	6.10	155	✓					✓	188	\$637,907	29	18.15		
70011000	0.32	334					✓		339	\$27,066	686	16.78		
75250000	5.32	115	✓				✓	✓	131	\$572,935	32	15.91		
79050000	12.17	280	✓	✓			✓	✓	426	\$691,953	27	15.67	RR crossing	
36004000	1.23	192	✓				✓	✓	237	\$554,440	33	15.08		
75003000	10.11	199	✓					✓	242	\$497,076	37	14.14	School	
92010000	7.66	201	✓					✓	243	\$493,557	38	14.04		
75200000	2.73	211	✓					✓	256	\$469,156	40	13.35		
92010000	13.25	253	✓			✓	✓	✓	342	\$582,889	32	12.91	Pedestrian study recommended	
75037000	1.12	214	✓					✓	259	\$463,330	40	13.18		
36100000	11.84	252	✓			✓		✓	336	\$558,115	33	12.82		
79060000	2.64	262	✓			✓	✓	✓	354	\$563,072	33	12.47	Pedestrian study recommended, Sign reconfiguration	
75060000	16.54	158	✓				✓	✓	179	\$419,082	44	11.63	ADA review recommended	
75250000	5.79	159	✓				✓	✓	180	\$415,508	45	11.54		
11010000	11.70	249	✓					✓	302	\$397,990	47	11.33		
70012000	3.53	270	✓				✓	✓	333	\$394,795	47	10.74	School	
36008000	2.42	311	✓				✓	✓	384	\$342,033	54	9.31		
92010000	6.02	259	✓				✓	✓	293	\$255,612	73	7.10		

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure							Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm							
75010000	5.05	119						✓	122	\$142,639	130	4.24		
Suburban Residential (C3R)														
75250000	4.81	126	✓					✓	140	\$398,000	40	11.57		
Urban General (C4)														
79150000	1.48	256	✓					✓	306	\$442,105	51	143.32	Consideration for ICE project, One of Two Candidates in a corridor MP 1.11	
70020000	20.62	289	✓					✓	317	\$214,689	106	91.40		
75190000	7.15	97				✓		✓	108	\$739,676	31	73.88		
79060000	20.39	361	✓					✓	396	\$172,031	132	73.24		
36110000	25.97	267						✓	271	\$41,411	548	25.67		
79150000	1.11	323						✓	328	\$34,247	663	21.23	Consideration for ICE project, One of Two Candidates in a corridor MP 1.48	
36110000	24.99	316	✓					✓	390	\$411,802	55	11.20		

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Engineering and Operations Office
System Analysis and Forecast Evaluation (SAFE) Candidates
Fatal and Severe Crashes at 4-Leg Signalized Intersections 2016-2018

-----District 6-----

Sorted by Context Classification and Estimated BCR

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure							Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm							
Natural (C1), Rural (C2) or Rural Town (C2T)														
87150000	10.90	300	✓						370	\$399,786	52	53.92	Ongoing construction	
Urban General (C4)														
87140000	12.60	194	✓						229	\$532,743	43	362.01		
87281000	8.20	196	✓						230	\$529,583	43	359.86	Metrorail and Hospital (Recommend full signal reconfiguration)	
87026000	1.02	207	✓						244	\$500,489	45	340.09		
87019000	2.74	237	✓						256	\$218,988	104	297.61		
87044000	2.65	254	✓						299	\$407,718	56	277.05		
87120000	6.80	309	✓						334	\$167,687	135	227.89		
87019000	2.24	347	✓						408	\$298,484	76	202.82		
87240000	7.32	135	✓	✓					196	\$1,597,818	14	179.80		
87047000	8.80	208	✓				✓		249	\$542,007	42	175.70		
87140000	13.10	225	✓				✓		269	\$502,432	45	162.87		
87053000	0.73	242	✓				✓		290	\$466,211	49	151.13		

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure							Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm							
87001000	3.13	203	✓	✓					295	\$1,060,863	21	119.38		
87012000	0.99	319	✓				✓		381	\$354,668	64	114.97		
90010000	1.10	226	✓	✓			✓		334	\$984,274	23	93.74		
87080900	35.96	255	✓	✓			✓		346	\$712,065	32	72.93	Metrorail (Signal not working, protected right turn issues with sight vision. No turn on red and LPI)	
87080900	37.49	309	✓	✓			✓		437	\$653,194	35	64.47		
Urban Center (C5) or Urban Core (C6)														
87030000	2.43	223	✓						262	\$549,029	49	373.07	Pedestrian study recommended	

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Engineering and Operations Office
System Analysis and Forecast Evaluation (SAFE) Candidates
Fatal and Severe Crashes at 4-Leg Signalized Intersections 2016-2018

-----District 7-----

Sorted by Context Classification and Estimated BCR

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure						Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm						
Natural (C1), Rural (C2) or Rural Town (C2T)													
08010000	4.49	248						✓	256	\$76,199	272	2.26	
Suburban Commercial (C3C)													
14030000	9.73	85	✓						92	\$496,348	37	674.55	
14090000	0.00	122	✓						132	\$347,691	53	472.52	RR crossing
14030000	9.06	250	✓						294	\$338,431	55	229.97	Shopping plazas
15150000	8.39	264	✓					✓	290	\$191,751	97	81.63	
14030000	13.84	77	✓						93	\$1,290,931	14	36.73	
15061000	6.94	206				✓			226	\$244,559	76	29.12	
14030000	11.48	90	✓						109	\$1,098,351	17	31.25	Consideration for ICE project
14090000	16.07	143	✓	✓		✓			235	\$1,549,759	12	30.41	
14030000	1.71	95	✓						115	\$1,045,551	18	29.75	
10010000	11.18	114	✓						138	\$871,444	21	24.80	
14030000	3.03	135	✓						156	\$583,372	32	16.78	
15150000	6.38	321	✓						358	\$180,747	103	5.25	
14090000	18.31	191						✓	200	\$134,588	138	3.81	Pedestrian study recommended

RDWYID	Mile Post	Days Between Expected KA Crashes	Proposed Countermeasure							Days Between Expected KA Crashes After Treatment	Expected Savings of Treatment	Months to Reduce One KA Crash	Estimated BCR	Comments
			Backplates	Special Emphasis Crosswalk	Lighting	Advance Street Name Sign	Mast arm							
15150000	25.84	170						✓	175	\$99,687	186	2.96	Issues with sign configuration	
10010000	18.51	196						✓	202	\$86,565	214	2.57		
10290000	0.51	198						✓	204	\$85,714	217	2.55	Close to an interstate	
15150000	23.12	289					✓	✓	303	\$88,876	209	2.52		
10150000	9.04	210						✓	217	\$80,560	230	2.39		
08020000	4.77	254						✓	262	\$66,744	278	1.98		
Suburban Residential (C3R)														
15150000	29.69	179	✓						194	\$203,589	79	276.68	Consideration for ICE project	
08010000	3.63	257	✓	✓	✓			✓	423	\$742,207	22	14.57	Consideration for ICE project	
14120000	12.43	153			✓			✓	173	\$371,501	43	8.83	Pedestrian study and ADA review recommended	
15070000	4.13	239	✓					✓	266	\$209,420	76	6.09		
15030000	4.54	239					✓	✓	250	\$92,762	173	2.63		
Urban General (C4)														
10020000	5.36	253	✓						263	\$102,511	222	278.63		
15150000	4.38	309					✓		314	\$35,754	635	22.16		
15150000	3.38	444					✓		451	\$24,890	912	15.43		
15010000	14.53	318	✓		✓	✓	✓	✓	395	\$426,069	53	9.59	Add pavement markings to Walsingham Rd	
15061000	0.94	233	✓				✓	✓	264	\$346,548	66	9.62		
15230000	4.64	337					✓	✓	353	\$93,382	243	2.65		