

Orange County Red Light Running Evaluation July 2011 to June 2013

Intersection	July 2011 to June 2012			
	# of Violations	# of Crashes	Daily Volume	Crash Rate
NB Alafaya Tr at Lake Underhill Rd	2,008	43	66,888	1.76
SB Chickasaw Tr at Lake Underhill Rd	1,040	38	36,469	2.85
NB Dean Rd at University Bv	1,037	59	80,752	2.00
Hiawassee Rd at Clarcona Ocoee Rd	1,043	34	42,040	2.22
NB Hiawassee Rd at Old Winter Garden Rd	2,414	53	62,857	2.31
NB John Young Py at Central Florida Py	1,586	80	74,767	2.93
WB Lake Underhill Rd at Dean Rd	646	68	41,931	4.44
EB Oak Ridge Rd at John Young Py	729	78	71,228	3.00
EB Oak Ridge Rd at Texas Av	3,177	35	36,196	2.65
EB University Bv at Rouse Rd	2,136	55	75,864	1.99

July 2012 to June 2013			
# of Violations	# of Crashes	Daily Volume	Crash Rate
1,607	38	66,187	1.57
923	24	33,746	1.95
1,011	71	74,944	2.60
1,323	16	42,851	1.02
2,205	51	57,137	2.45
1,009	73	75,817	2.64
450	62	42,311	4.01
559	62	71,067	2.39
2,240	26	36,574	1.95
1,673	44	67,545	1.78

Summary of all 10 camera locations	15,816	543	588,992	2.53
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13,000	467	568,179	2.25
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* **Crash Rate: Number of crashes per a million vehicles into the intersection**

Difference in Average			
-17.8%	-14.0%	-3.5%	-10.8%

NB Alafaya Tr at Lake Underhill Rd

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	163	177	175	136	190	219	143	168	175	183	164	115	2008	116	136	116	110	152	157	110	98	142	157	172	141	1607	
NB Crashes																											
Rear End	1	1		1		1			1		0	1	6		1	0		1		1	1				1	0	5
Other									0				0								1			0			1
Left Turn													0														0
Side Swipe						1							1														0
Right Turn													0			0											0
Camera Total	1	1	0	1	0	2	0	0	1	0	0	1	7	0	1	0	0	1	0	2	1	0	0	1	0	6	
SB Crashes																											
Rear End		3	0			2			2	2		2	11	2	0		1	0	1				2	1	1		8
Right Turn		1			1								2														0
Other	0				1								1		0				1								1
Sideswipe						0		0			1		1	1	1		1	1	1								5
Left Turn			0										0														0
EB Crashes																											
Rear End	0			1				0			3	2	6		0	2		2		1			1				6
Other						0	0	2					2						0								0
Pedestrian													0														0
Left Turn			0						0				0	0	0							1					1
Right Angle			1										1		1												1
Right Turn		1											1			1											1
Sideswipe				1							1		2														0
WB Crashes																											
Rear End	1		3					0			1		5	1	1	0		1		2			0				5
Head On													0	1													1
Right Angle	1								1				2	1						1							2
Other									0				0					1									1
Sideswipe											0		0														0
Left Turn			1			0			1	0			2								0						0
Intersection Crashes	3	6	5	3	2	4	0	2	5	2	6	5	43	6	4	3	2	5	4	6	2	0	3	2	1	38	

Emergency Reponses													11															12
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Volume													66888															66187
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Crash Rate													1.7613															1.573
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	11/12	12/13
Side Impacts	5	4
Rear End	28	24

EB University Bv at Rouse Rd

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	20	71	287	258	203	184	195	199	188	207	141	183	2136	131	152	141	126	160	96	133	111	168	152	163	140	1673	
NB Crashes																											
Off Road													0				1										1
Rear End					1		0	2					3					1		1		0	1	1			4
Other				0		1	0		0				1														0
Left Turn								1					1														0
Animal								1					1														0
Side Swipe				1									1														0
Right Angle								0			1		1						1								1
Right Turn				1	0								1						0								0
SB Crashes																											
Rear End	1	1			1		1			1	1		6		1	1	1	1	1		1	2	1		1		10
Animal											1		1														0
Bicycle													0								1						1
Right Angle				1				1					2														0
Other							1	0					1														0
Right Turn						0							0														0
Left Turn				0					1				1														0
EB Crashes																											
Rear End	1			1	3		1	1			1	1	9		2	7	1	0		1		0	2		1		14
Off Road													0								1						1
Sideswipe				3			1			1			5													1	1
Right Turn													0											1			1
Other							0	1					1				0								1		1
Pedestrian													0														0
Camera Total	1	0	0	4	3	0	2	2	0	1	1	1	15	0	2	7	1	0	0	1	1	0	2	1	3		18
WB Crashes																											
Rear End		1	1		5	1		3		2			13		1		0	1	2			3	0		1		8
Off Road				1									1														0
Other									0				0						0				0				0
Left Turn								0	0		1		1														0
Right Angle													0						0								0
Sideswipe			1	0				1					2												0		0
Right Turn			1	1	1								3					1							0		1
Intersection Crashes	2	2	3	9	11	2	4	11	1	4	5	1	55	0	4	8	3	4	4	2	2	6	4	2	5	44	
Emergency Responses													11													18	
Volume													75864													67545	
Crash Rate													1.986													1.785	

	11/12	12/13
Side Impacts	6	1
Rear Ends	31	36

SB S Chickasaw Tr at Lake Underhill Rd																											
	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	73	76	103	154	10	82	98	99	77	97	89	82	1040	50	52	74	43	27	30	50	91	111	112	151	132	923	
NB Crashes																											
Rear End		1	1	1									3										1				1
Other										1			1														0
Left Turn			2	1	1			1		1			6			1						1	1				3
Side Swipe													0									1					1
SB Crashes																											0
Rear End	1	1	1	1						1			5		1	1		1		3			1				7
Other										1			1												1		1
Left Turn		1	1							1			3					1									1
Camera Total	1	2	2	1	0	0	0	0	0	3	0	0	9	0	1	1	0	2	0	3	0	0	1	0	1	9	
EB Crashes																											
Rear End			1		1					1			3	1													1
Other	1												1		1												1
Pedestrian													0														0
Left Turn					1								1														0
Sideswipe										1		1	2						1								1
WB Crashes																											
Rear End	1				1	1	1			1			5				1	1									2
Left Turn	1		1							1	1		4	1			1										2
Sideswipe											1		1										1				1
Other	1				1								2		1			1									2
Intersection Crashes	5	3	7	3	5	1	1	1	0	9	2	1	38	2	3	2	2	4	1	3	0	2	4	0	1	24	
Emergency Responses													18														16

Volume	36469	33746
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Crash Rate	2.855	1.948
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	11/12	12/13
Side Impact	14	6
Rear Ends	16	4

NB Dean At University Bv

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	45	55	135	114	96	85	92	85	90	84	73	83	1037	79	79	111	87	85	102	95	66	77	72	87	71	1011	
NB Crashes																											
Rear End	2		1				1		1	1	1		7	1		4	1	2		1	1				1		11
Other													0	1													1
Unknown													0														0
Left Turn													0		1												1
Right Angle											1		1														0
Right Turn													0									1			1		2
Pedestrian													0					1									1
Side Swipe													0			1									1		2
Head On			1										1			1											1
Total	2	1	1	0	0	0	1	0	1	1	2	0	9	2	1	5	1	3	0	1	1	1	0	3	0	18	
SB Crashes																											
Side Swipe													0		1		1									1	3
Rear End				1					1				2				1				2	1					4
Other			1							1	2		4			1					1	1					3
Right Angle	1				1						1		3														0
Left Turn										1			1														0
EB Crashes																											
Rear End	1		1			2		1	1	1		3	10		2		1	1	1			1	1				7
Right Angle										1			1	1													1
Other			1	1							1		3			1					1						2
Right Turn	1	1											2												1	1	2
Side Swipe				2							1		3					1				1					2
Pedestrian													0														0
WB Crashes																											
Rear End	1		4	2	2		2	1		2			14	2	1	4	5		2	1	1				1	1	18
Side Swipe												1	1								1						1
Right Angle				1							1		2				1					1					2
Pedestrian													0				1										1
Out of Control					1								1														0
Other								1					1														0
Left Turn					1							1	2														0
Unknown													0		1	1											2
Right Turn													0					1	1	1	1						4
Intersection Crashes	6	2	8	7	5	2	3	3	3	7	8	5	59	5	6	13	11	6	4	5	6	4	3	5	3	71	
Emergency Responses													22														21
Volume													80752														74944
Crash Rate													2.001731668														2.595545313

	11/12	12/13
SIDE Impact	7	4
Rear End	33	40

Hiawassee Road and Clarcona Ocoee

NB S Hiawassee Rd at Clarcona Ocoee Rd

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	87	79	123	99	78	91	84	44	0	99	147	112	1043	95	110	69	133	85	133	106	83	101	122	171	115	1323	
NB Crashes																											
Rear End	1	2	1		1		1					2	8				1		2					1			4
Other								1	1				2														0
Left Turn				1				1		1	1		4		1	1					1						3
Side Swipe												1	1														0
Total	1	2	1	1	1	0	1	2	1	1	1	3	15	0	1	1	1	0	2	1	0	0	1	0	0	7	
SB Crashes																											
Rear End			2	1									3								1						1
Other			1										1				1										1
Left Turn					1								1														0
EB Crashes																											
Rear End	1						1						2														0
Other										1			1														0
Pedestrian													0						1								1
WB Crashes																											
Rear End	1					1		3					5	1					1			1			1		4
Other									1				1												1		1
Left Turn		1		1		1		1			1		5		1												1
Intersection Crashes	3	3	4	3	2	2	2	6	2	2	2	3	34	1	2	1	2	0	4	2	0	1	1	1	1	1	16
Emergency Responses													6														5
Volume													42040														42851
Crash Rate													2.216														1.023

	11/12	12/13
Side Impact	10	4
Rear End	18	9

NB S John Young Py at Central Florida Py

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	351	253	98	0	0	75	138	171	152	122	120	106	1586	98	96	63	84	76	93	64	74	96	97	88	80	1009	
NB Crashes																											
Rear End	1				2	3	1	1	1	2	2	1	14	1	2		4	1			1				4		13
Left Turn													0														0
Right Angle						1						1	2														0
Right Turn											1		1			1						2					3
Out of Control		1	1	1									3											1			1
Side Swipe	1				1	1						1	4		1	1			1			1					4
Total	2	1	1	1	3	5	1	1	1	2	3	3	24	1	3	2	4	1	1	0	4	0	1	4	0	21	
SB Crashes																											
Rear End	3		2	1	2			1		1		2	12	1		1		1	1		2	2	1	1	2		12
Side Swipe	1		1			1							3					1		1					1		3
Other													0														0
Left Turn								1			1		2	1	2				1								4
EB Crashes																											
Rear End	2	3		1	3	1	1	2	1		2	3	19	4	2			1		3	1		1	1	1	1	14
Other									1	1			2														0
Pedestrian													0										1				1
Side Swipe	1						1						2			1						1	1			3	
Right Turn													0	1		1			1								3
Out of Control													0									1					1
Left Turn	1												1														0
Right Angle	1							1					2														0
WB Crashes																											
Rear End				1	1			2	1	1	2	1	9	2	1	1		1		1	1	2		1		1	10
Out of Control		1									1		2		1												1
Right Turn											1		1														0
Side Swipe				1									1														0
Left Turn													0														0
Intersection Crashes	11	5	5	4	9	7	3	6	6	5	10	9	80	10	9	6	4	5	4	5	9	4	5	8	4	73	

Emergency Responses													27															33
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Volume													74767															75817
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Crash Rate													2.931															2.638
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WB Lake Underhill Rd at Dean Rd																											
	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	47	46	40	34	85	59	67	62	60	65	48	33	646	30	20	22	32	48	43	42	49	38	50	45	31	450	
NB Crashes																											
Rear End		1	1					1				1	4	1						2							3
Other		1					1						2			1											1
Left Turn				2		1			2		1		6		1		1	2			2		1		1		8
Side Swipe		1		1					1				3		1												2
Right Turn													0					1					1				2
SB Crashes																											
Rear End		1		2	2	3		1		2	2	2	15						1		2						3
Other							1			1	1		3												1		1
Left Turn				1	1	1							3	1		1	1			1		2			3		9
Right Turn									1		1		2														0
EB Crashes																											
Rear End	3	2		2	1	1	1	1		1			12	1	1			1					1	2			6
Other							1			1	1		3														0
Pedestrian													0														0
Left Turn					1								1								1	1	1	1	1	2	6
Right Turn													0														0
Sideswipe			1									1	2	1													1
WB Crashes																											
Rear End			1	1	2		1	2		1			8		1		1	3	1	3	2		1				12
Left Turn							1						1	1			1					1	1		1		5
Other			1										1													1	1
Sideswipe			1										1										1				1
Right Turn										1			1					1									1
Camera Total	0	0	3	1	2	0	2	2	0	2	0	0	12	1	1	0	2	4	1	3	2	1	3	0	2	20	
Intersection Crashes	3	6	5	9	7	6	6	5	4	7	6	4	68	5	4	2	4	8	2	6	7	4	8	7	5	62	
Emergency Responses													23														36
Volume													43175														45187
Crash Rate													4.315														3.759

	11/12	12/13
Side Impact	11	28
Rear End	39	24

EB W Oak Ridge Rd at S John Young Py

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	58	45	51	37	38	35	54	72	72	103	96	68	729	46	58	40	49	28	55	33	43	49	59	59	40	559	
NB Crashes																											
Rear End	4	0			1			0		2	1	2	10	2		1		1	1		1	3			4	13	
Right Angle													0			2						1	1	1		5	
Pedestrian										1			1													0	
Other													0							0			0			0	
Unknown													0								1					1	
Left Turn						0			1				1			0			1	0						1	
Side Swipe				1					1		0	1	3									1			1	2	
SB Crashes																											
Rear End	0	2	2	2	0		3	1			1	0	11			1				0	0	1			2	4	
Other			0					0		0	1		1				0	0								0	
Off Road								1					1													0	
Right Angle				1						1	1		3												1	1	
Left Turn						1			1	0	1		3			0			0						0	0	
Right Turn								1					1													0	
Sideswipe				0							0	0	0			1			1		1				0	3	
EB Crashes																											
Rear End	1	1		1			2	2	1	1	1	2	12	2		3		1		2	3	1				12	
Right Turn					1								1													0	
Left Turn								1			1		2													0	
Other				0		1	1						2									0	1			1	
Sideswipe		1	1			1					1		4												1	1	
Off Road													0					1								1	
Right Angle								0					0			0									0	0	
Pedestrian													0													0	
Total	1	2	1	1	1	2	3	3	1	1	3	2	21	2	0	3	0	2	0	2	3	1	1	0	1	15	
WB Crashes																											
Rear End	1	2	1	2		1	2	2			1	1	13			2	2	0		1	0	4	2	0	2	13	
Other			1	2								1	4									1				1	
Left Turn			2								0		2										0			0	
Sideswipe		0	2				1					0	3			1				1	1					3	
Right Angle			0								0		0													0	
Right Turn								0					0													0	
Pedestrian										0			0													0	
Intersection Crashes	6	6	9	9	2	4	8	8	5	5	9	7	78	4	0	11	2	3	3	4	8	11	4	8	4	62	

Emergency Responses	40																										36
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Volume	71228																										71067
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Crash Rate	3.0002																										2.3902
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	11/12	12/13
Side Impact	11	7
Rear End	46	42

EB W Oak Ridge Rd at S Texas Av

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Total	
# of Violations	440	420	402	314	168	197	237	172	185	274	233	135	3177	244	240	200	170	115	151	167	175	184	194	191	209	2240	
NB Crashes																											
Rear End		1							1		1		3				1										1
Other													0									1					1
Left Turn	1				1					1	1		4	1								1			1		3
Side Swipe													0		1												1
Pedestrian													0											1			1
SB Crashes																											
Rear End										2			2														0
Other													0														0
Left Turn				1		2				1			4									1					1
Right Turn		1											1		1	1						1					3
EB Crashes																											
Rear End	1												1				1						1		1		3
Other													0														0
Left Turn			1	1	2	1				1			6	1								1					2
Sideswipes													0									1					1
Pedestrian							1						1		1												1
Camera Total	1	0	1	1	2	1	1	0	0	1	0	0	8	1	1	0	1	0	0	0	1	1	1	0	1	7	
WB Crashes																											
Rear End			1			2	1		1			1	6								1	1					2
Other					1						1		2														0
Left Turn			1	1				1					3						1		1						2
Sideswipes													0	1			1								1		3
Pedestrian										1	1		2														0
Right Angle													0					1									1
Intersection Crashes	2	2	3	3	4	5	2	0	3	6	4	1	35	3	3	1	3	1	1	1	5	3	1	2	2	26	
Emergency Responses													24														18
Volume													36196														36574
Crash Rate													2.649														1.948

	11/12	12/13
Side Impact	17	9
Rear End	12	6