





This is the FDOT District 1 Swift SunGuide Center Yearly Operations Report, for 2014. This Report contains the numerical data and counts that were derived from the SunGuide System events created by the operations staff.

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Please note that all times in this report are HH:MM format except where specifically noted.







Definitions

- RISC RISC is an acronym for "Rapid Incident Scene Clearance". This is an innovative program developed by FDOT that helps the incident response community to meet the Florida's Open Roads Policy goal of safely clearing major highway incidents and truck crashes in 90 minutes or less. It is an incentive-based towing service program that requires specialized equipment and trained operators to quickly remove wreckage from the roadway.
- ESS ESS is an acronym for "Emergency Stopping Site". ESS are improved areas located on the state right-of-way near the freeway mainline that are used by motorists, Road Rangers, law enforcement, fire rescue, and other public service vehicles as a safe location to temporarily relocate from the interstate.
- SBCS The Safety Barrier Cable System is a continuous string of instrumented cables along the right-of-way fence on Alligator Alley on I-75.

 If a vehicle runs off the roadway and hits the cable, an alert is sent to the RTMC which allows for quick response to that incident.
- Incident An incident is an unplanned traffic occurrence that blocks lanes of travel, causes an abnormal traffic disturbance, or requires DMS activation. Examples of incidents include crashes, abnormal delays, emergency road work, road closures, flooding, police activity, child abduction alerts, etc.
 - ** Please note that pre-planned road work and normal rush hour delays are not considered incidents.
- Event An event is any roadway activity that is recorded by the SWIFT SunGuide Center including lane blocking incidents, congestion, scheduled construction, emergency road work, shoulder lane closures, disabled vehicles, abandoned vehicles, etc.

Emergency Road Work - This is an event type that describes situations where non-scheduled road work is necessary or whenever normally scheduled road work remains active past 6 AM or 4 PM on weekdays (into the potential rush hour time frame).

Road Ranger Events - Number of events in which a Road Ranger was dispatched and/or arrived on scene.

Road Ranger Assists - Number of activities performed by the Road Rangers when on the scene of an event.

Incident Levels:

- Level 1 Incidents of any duration that do not close travel lanes (shoulder incidents, delays, event delays, etc.) or the "Start Time" to "Clear Time" duration of a lane closing (not road closing) incident is estimated to be < 30 minutes.
- Level 2 The "Start Time" to "Clear Time" duration of a lane closing incident is estimated to be 30 minutes or greater but less than 2 hours. This does not include a full closure of the roadway.
- Level 3 The "Start Time" to "Clear Time" duration of a lane closing incident is estimated to be 2 hours or greater or all travel lanes are blocked on any roadway or ramp. Significant area-wide congestion is expected (but not necessary).

Please note that all times in this report are in HH:MM format except where specifically noted.

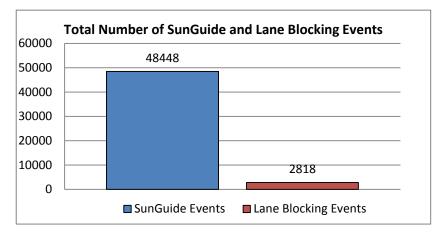






1.	Total Number of SunGuide Events:
	48448

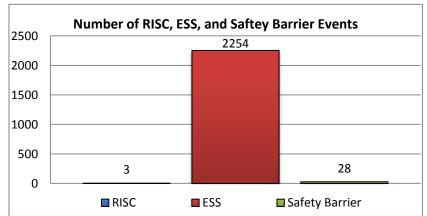
2. Number of Lane Blocking Events: 2818



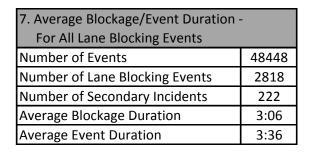
3. Number of RISC Events:

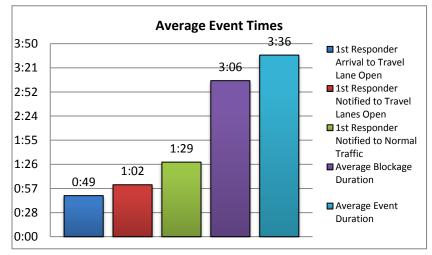






6. Average Open Roads Policy &						
Normal Traffic Times for I-75 Incidents						
Average Incident Duration From First	0:49					
Responder Arrival to Travel Lane Open	0.49					
Average Incident Duration From First	1:02					
Responder Notified to Travel Lane Open						
Average Incident Duration From First	1:29					
Responder Notified to Normal Traffic	1.29					





Note: Table 6 includes lane blocking incidents for I-75 and only includes Crash, Debris on Roadway, Disabled Vehicles, Emergency Vehicles, Flooding, Other, Pedestrian, Police Activity, and Vehicle Fire Events.



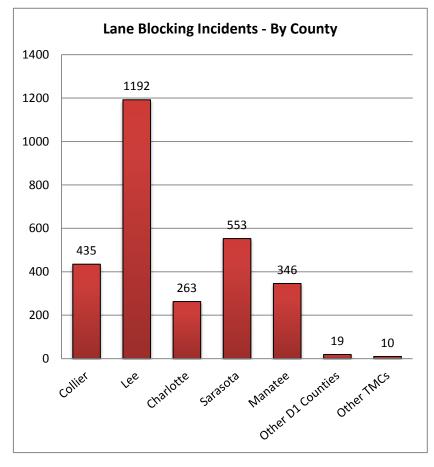


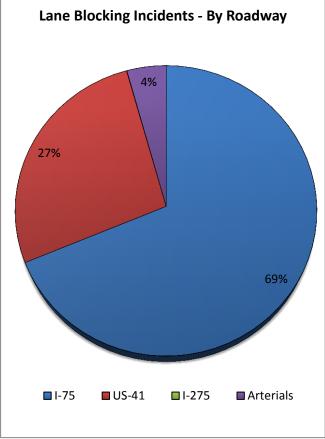


8. Lane Blocking Ir	ncidents - By C	ounty and Roa	dway:			
	Collier	Lee	Charlotte	Sarasota	Manatee	Other Dist 1
Roadways	County	County	County	County	County	Counties
I-75	302	860	171	386	208	-
US-41	121	292	56	159	130	-
I-275	-	-	-	-	1	-
Arterials	12	40	36	8	7	19
Total Incidents	435	1192	263	553	346	19

	District 7*	District 6*	District 4*	FL Turnpike*	Total Incidents
Roadways	TMC	TMC	TMC	TMC	By Roadway
I-75	0	0	10	-	1937
US-41	0	0	-	-	758
I-275	0	-	-	-	1
Arterials	0	0	0	0	122
Total Incidents	0	0	10	0	2818

*These are incidents that occurred outside of the District 1 coverage area but requires SWIFT SunGuide assistance.







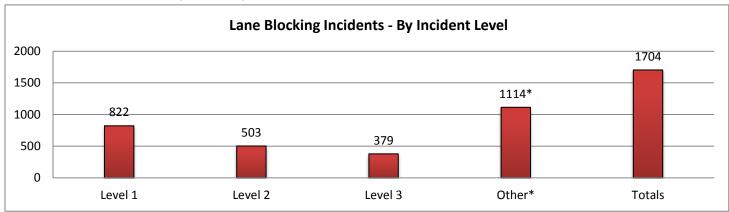


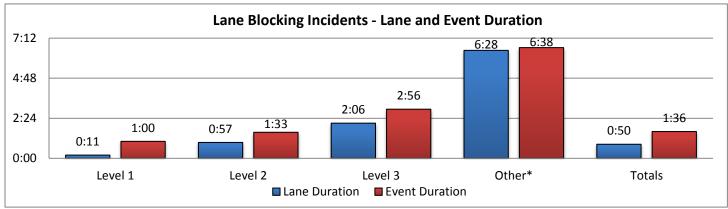


9. LANE E	LANE BLOCKING INCIDENTS - By Incident Level:											
	Collier County		Lee County		Charlotte County			Sarasota County				
		Lane	Event		Lane	Event		Lane	Event		Lane	Event
	Events	Duration	Duration	Events	Duration	Duration	Events	Duration	Duration	Evevnts	Duration	Duration
Level 1	164	0:12	0:58	239	0:11	0:57	85	0:10	1:00	208	0:12	1:07
Level 2	81	0:53	1:30	143	0:53	1:28	54	1:01	1:40	137	0:59	1:36
Level 3	81	1:33	2:35	87	1:44	2:20	35	1:39	2:21	92	2:02	2:57
Other*	109*	6:16	6:32	723*	6:55	7:04	57*	5:59	6:15	148*	5:25	5:31
Totals	326	0:42	1:30	469	0:41	1:21	174	0:43	1:28	437	0:49	1:39

	Manatee County			Other Dist 1 Counties			Other Distrcit TMCs			Total		
		Lane	Event		Lane	Event		Lane	Event		Lane	Event
	Events	Duration	Duration	Events	Duration	Duration	Events	Duration	Duration	Evevnts	Duration	Duration
Level 1	121	0:12	1:04	0	0:00	0:00	5	0:21	0:36	822	0:11	1:00
Level 2	88	1:02	1:38	0	0:00	0:00	0	0:00	0:00	503	0:57	1:33
Level 3	65	1:54	2:49	15	9:39	10:30	4	2:12	2:16	379	2:06	2:56
Other*	72*	5:09	5:25	4*	0:00	0:00	1*	0:18	1:05	1114*	6:28	6:38
Totals	274	0:52	1:39	15	9:39	10:30	9	1:10	1:20	1704	0:50	1:36

^{*}Incidents classified as "Other" are police activity or scheduled road work, and are not included in the Level 1, 2, & 3 totals.





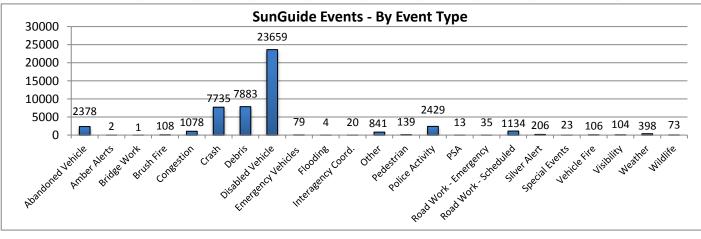






10. SunGuide Events -	by Event	Туре:						
	Collier	Lee	Charlotte	Sarasota	Manatee	Other D-1	Other Dist.	Total #
Incidents	County	County	County	County	County	Counties	TMCs	of Events
Abandoned Vehicle	539	705	200	606	324	0	4	2378
Amber Alerts	0	2	0	0	0	0	0	2
Bridge Work	0	1	0	0	0	0	0	1
Brush Fire	43	28	11	16	7	3	0	108
Congestion	109	297	25	274	373	0	0	1078
Crash	797	1894	380	2476	2136	50	2	7735
Debris	1429	1695	1450	1975	1321	3	10	7883
Disabled Vehicle	7917	6961	2419	3439	2883	4	36	23659
Emergency Vehicles	31	20	3	14	9	1	1	79
Evacuation	0	0	0	0	0	0	0	0
Flooding	1	1	0	1	0	1	0	4
Interagency Coord.	4	1	0	0	7	0	8	20
LEO Alerts	0	0	0	0	0	0	0	0
Other	100	228	105	263	138	6	1	841
Pedestrian	33	18	7	35	46	0	0	139
Police Activity	912	1078	260	117	61	0	1	2429
PSA	0	13	0	0	0	0	0	13
Road Work - Emergency	11	3	1	11	5	4	0	35
Road Work - Scheduled	133	700	70	148	74	9	0	1134
Silver Alert	0	205	0	0	1	0	0	206
Special Events	2	6	0	4	0	11	0	23
Vehicle Fire	24	24	10	28	19	1	0	106
Visibility	36	40	14	9	5	0	0	104
Weather	137	127	65	42	27	0	0	398
Wildlife	38	12	4	12	7	0	0	73
Total Incidents	12296	14059	5024	9470	7443	93	63	48448

Note: Incident categories that are listed as zero are not included in the chart below.

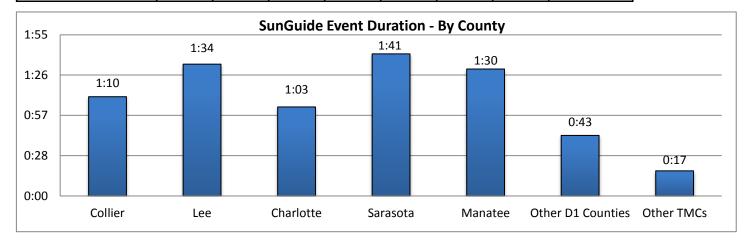








11. SunGuide Event Duration (Average) - by Event Type:								
	Collier	Lee	Charlotte	Sarasota	Manatee	Other D-1	Other Dist.	All
Incidents	County	County	County	County	County	Counties	TMCs	Counties
Abandoned Vehicle	11:06	7:34	7:52	10:49	10:01	0:00	2:36	9:32
Amber Alerts	0:00	2:49	0:00	0:00	0:00	0:00	0:00	2:49
Bridge Work	0:00	0:14	0:00	0:00	0:00	0:00	0:00	0:14
Brush Fire	5:13	0:45	1:07	1:08	0:27	0:25	0:00	2:35
Congestion	0:34	0:51	0:29	1:06	1:08	0:00	0:00	0:58
Crash	1:12	1:04	1:16	1:10	1:15	0:13	0:53	1:10
Debris	0:15	0:16	0:10	0:21	0:18	0:47	0:00	0:16
Disabled Vehicle	0:39	0:51	0:56	1:15	1:19	1:07	0:02	0:54
Emergency Vehicles	1:23	0:34	1:17	1:03	0:21	1:06	0:37	0:58
Evacuation	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Flooding	0:52	0:17	0:00	2:21	0:00	0:04	0:00	0:53
Interagency Coord.	3:41	0:39	0:00	0:00	8:45	0:00	0:22	3:58
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:53	0:18	0:18	0:16	0:18	0:08	0:16	0:21
Pedestrian	0:11	0:13	0:18	0:11	0:11	0:00	0:00	0:11
Police Activity	0:21	0:24	0:19	0:36	0:40	0:00	1:05	0:23
PSA	0:00	64:02	0:00	0:00	0:00	0:00	0:00	64:02
Road Work - Emergency	1:14	7:06	0:33	5:58	7:50	2:01	0:00	4:14
Road Work - Scheduled	5:39	7:27	5:41	5:38	5:19	1:41	0:00	6:42
Silver Alert	0:00	4:18	0:00	0:00	0:33	0:00	0:00	4:16
Special Events	5:56	6:16	0:00	6:35	6:16	1:42	0:00	4:06
Vehicle Fire	1:21	1:05	1:24	1:03	1:11	3:40	0:00	1:12
Visibility	4:07	4:57	3:52	4:23	3:06	0:00	0:00	4:22
Weather	2:26	2:32	2:27	2:08	2:28	0:00	0:00	2:26
Wildlife	1:00	0:34	0:22	0:53	0:47	0:00	0:00	0:51
Total Incidents	1:10	1:34	1:03	1:41	1:30	0:43	0:17	1:25







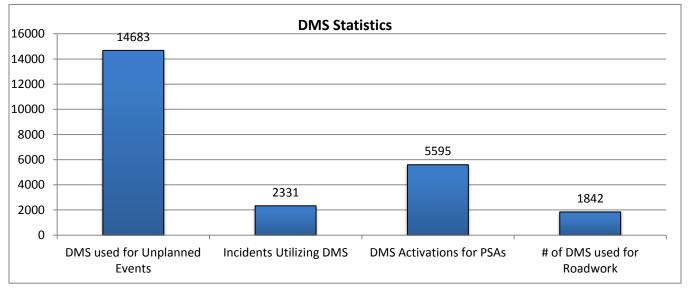


12. Event DMS Statistics:			
Number of DMS Used for	Number of Incidents	Average Number of DMS	Average DMS Message
Unplanned Events*:	Utilizing DMS	per Incident	Duration
14683	2331	6	3:02

13. PSA - DMS Activations:						
Number of Public Service Announcement						
DMS Activations						
5595						

^{*} The DMS used for "Unplanned Events" includes crashes, congestion, visibility, silver alerts, etc.

14. Road Work - D				
Scheduled	Emer	gency	Total # Road Work	
Road Work	Road	Work	Patterns	
554	1	.0	564	
# DMS Used for Road	d Work	Average # of DMS/Pattern		
1842			3	











15. Event Location	n - Summi	ary By Exit Reference:	
I-75 Northbo	und	I-75 Southbo	und
Mile <49	6	Mile <49	0
Mile 49-79.9	1920	Mile 49-79.9	2330
Mile 80-100.9	2067	Mile 80-100.9	1325
Mile 101-104.9	294	Mile 101-104.9	347
Mile 105-106.9	367	Mile 105-106.9	519
Mile 107-110.9	811	Mile 107-110.9	677
Mile 111-115.9	741	Mile 111-115.9	547
Mile 116-122.9	1430	Mile 116-122.9	1597
Mile 123-127.9	1113	Mile 123-127.9	685
Mile 128-130.9	615	Mile 128-130.9	576
Mile 131-135.9	1180	Mile 131-135.9	848
Mile 136 -137.9	340	Mile 136 -137.9	257
Mile 138 -138.9	391	Mile 138 -138.9	226
Mile 139 - 140.9	691	Mile 139 - 140.9	318
Mile 141 - 142.9	372	Mile 141 - 142.9	264
Mile 143 - 157.9	1609	Mile 143 - 157.9	1467
Mile 158 - 160.9	354	Mile 158 - 160.9	259
Mile 161 - 163.9	371	Mile 161 - 163.9	285
Mile 164 - 166.9	296	Mile 164 - 166.9	364
Mile 167 -169.9	407	Mile 167 -169.9	338
Mile 170 - 178.9	621	Mile 170 - 178.9	695
Mile 179 - 181.9	201	Mile 179 - 181.9	190
Mile 182 - 190.9	742	Mile 182 - 190.9	729
Mile 191 - 192.9	253	Mile 191 - 192.9	265
Mile 193 - 194.9	228	Mile 193 - 194.9	187
Mile 195 -199.9	440	Mile 195 -199.9	313
Mile 200 - 204.9	512	Mile 200 - 204.9	523
Mile 205 - 206.9	325	Mile 205 - 206.9	248
Mile 207 - 209.9	400	Mile 207 - 209.9	340
Mile 210 -212.9	825	Mile 210 -212.9	486
Mile 213 - 216.9	827	Mile 213 - 216.9	791
Mile 217 - 219.9	583	Mile 217 - 219.9	544
Mile 220 - 223.9	651	Mile 220 - 223.9	612
Mile 224 -227.9	537	Mile 224 -227.9	572
Mile 228 - 228.9	166	Mile 228 - 228.9	183
Mile 229 -229.9	29	Mile 229 -229.9	31
Mile 230 - 239.9	58	Mile 230 - 239.9	19
> Mile 240	0	> Mile 240	0
North Total	22773	South Total	19957
		· — —	

US-41 Northbound		
Collier	263	
Lee	959	
Charlotte	82	
Sarasota	1017	
Manatee	1138	
North Total	3459	

US-41 Southbound		
Collier	101	
Lee	280	
Charlotte	42	
Sarasota	224	
Manatee	174	
South Total	821	

Total Events on US-41
4280

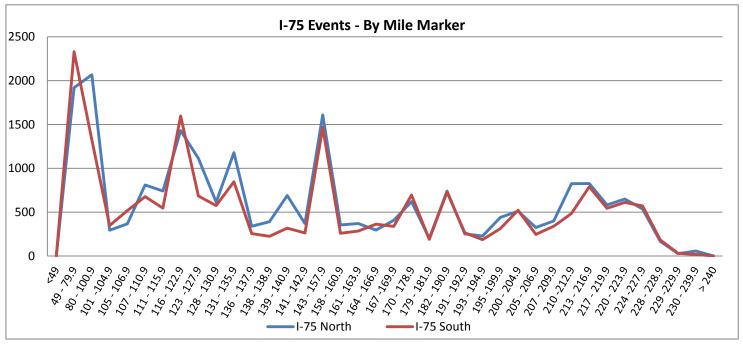
Total	Events on I-75
	42730

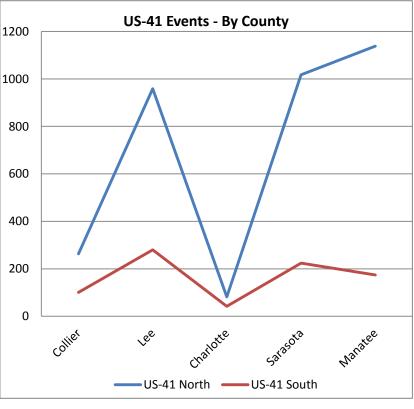
Note: The charts for these tables appear on the following page.

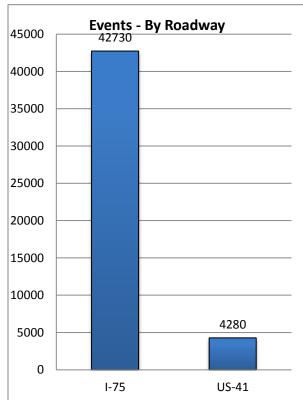










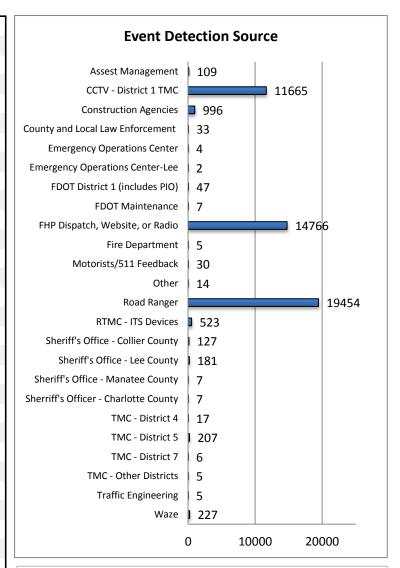








16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	109	0.2%
CCTV - District 1 TMC	11665	24.1%
CCTV - Other	0	0.0%
Construction Agencies	996	2.1%
County and Local Law Enforcement	33	0.1%
Emergency Operations Center	4	0.0%
Emergency Operations Center-Lee	2	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	47	0.1%
FDOT Maintenance	7	0.0%
FHP Dispatch, Website, or Radio	14766	30.5%
FHP Incident Alerts	0	0.0%
Fire Department	5	0.0%
HazMat/DEP	0	0.0%
мссо	0	0.0%
Media	0	0.0%
Motorists/511 Feedback	30	0.1%
Other	14	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	19454	40.2%
RTMC - ITS Devices (TSS & Safety Barrier)	523	1.1%
RTMC Scanner	0	0.0%
RTMC Staff (On Scene)	0	0.0%
Sherriff's Officer - Charlotte County	7	0.0%
Sheriff's Office - Collier County	127	0.3%
Sheriff's Office - Lee County	181	0.4%
Sheriff's Office - Manatee County	7	0.0%
Sheriff's Office - Sarasota County	0	0.0%
SW Florida Internantion Airport	0	0.0%
TMC - District 4	17	0.0%
TMC - District 5	207	0.4%
TMC - District 7	6	0.0%
TMC - Other Districts	5	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	5	0.0%
Waze	227	0.5%
Total Number of Incidents	48444	100.0%



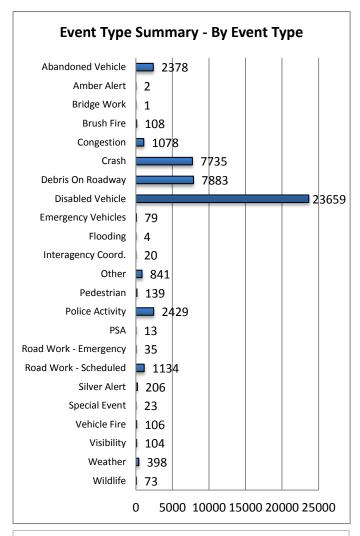
Note: Event Detection Source Categories listed as zero are not included in the above chart.



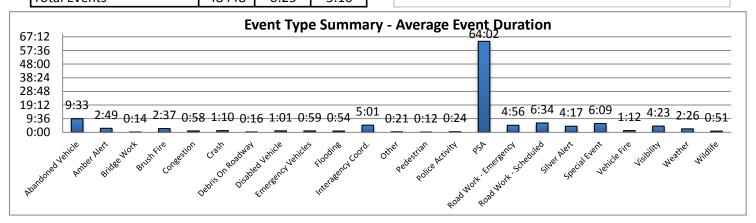




17. Event Type Summary			
Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	2378	1:38	9:33
Amber Alert	2	0:00	2:49
Bridge Work	1	0:00	0:14
Brush Fire	108	0:56	2:37
Congestion	1078	0:01	0:58
Crash	7735	0:51	1:10
Debris On Roadway	7883	0:11	0:16
Disabled Vehicle	23659	0:23	1:01
Emergency Vehicles	79	0:41	0:59
Evacuation	0	0:00	0:00
Flooding	4	0:35	0:54
Interagency Coord.	20	0:00	5:01
LEO Alert	0	0:00	0:00
Other	841	0:07	0:21
Pedestrian	139	0:05	0:12
Police Activity	2429	0:18	0:24
PSA	13	0:00	64:02
Road Work - Emergency	35	1:34	4:56
Road Work - Scheduled	1134	0:37	6:34
Silver Alert	206	0:05	4:17
Special Event	23	0:03	6:09
Vehicle Fire	106	0:48	1:12
Visibility	104	0:03	4:23
Weather	398	0:02	2:26
Wildlife	73	0:37	0:51
Total Events	48448	0:25	5:16



Note: Event Type Categories listed as zero are not included in these charts.









Road Ranger Information

Weekday Road Rangers				
RR104	MM 49-80	RR111	MM 167-193	
RR103	MM 80-105	RR108	MM 191-213	
RR105	(Spare Truck)	RR113	MM 210-230	
RR106	MM 105-123	*RR112	MM 224-230 &	
RR107	MM 116-138		I-275 MM 0-13	
RR110	MM 136-158	RR115	(Spare Truck)	
RR109	MM 143-170			
*RR112 is primarily dispatched from the District 7 RTMC				

Collier County Mile 50-115 Lee County Mile 115-149 Charlotte County Mile 149-172 Sarasota County Mile 172-213 Manatee County Mile 213-232	County Limits				
Charlotte County Mile 149-172 Sarasota County Mile 172-213	Collier County	Mile 50-115			
Sarasota County Mile 172-213	Lee County	Mile 115-149			
	Charlotte County	Mile 149-172			
Manatee County Mile 213-232	Sarasota County	Mile 172-213			
	Manatee County	Mile 213-232			

Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

	Sunday Road Rangers				
RR103	MM 49-80	RR111	MM 167-193		
RR104	MM 80-105	RR113	MM 210-230		
RR105	(Spare Truck)	RR112	MM 224-230		
RR106	MM 105-123		I-275 MM 0-13		
RR109	MM 143-170	*RR113	I-275 MM 0-13		

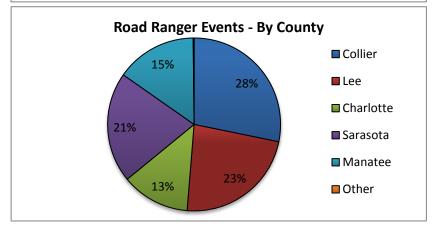
*RR 113 covers I-275 until 11 AM when RR112 arrives for District 7

*RR 113 covers I-275 until 11 AM when RR112 arrives for District 7

18. Road Ranger Assists Summary			
Total SunGuide Events	48448		
Events with Road Ranger Response	24438		
Total RR On-Scene Activites	30655		
Average Activities/Assisted Event	1.25		
% of Events Assisted	50.44%		

Road Ranger Assists - Summary		■ Total SunGuide Events
40000	48448	■ Events with Road Ranger
20000		Response Total RR On- Scene Activites
0		_

19. Road Ranger Events By County:		
District 1	Road Ranger	
Counties	Events	
Collier	8531	
Lee	6978	
Charlotte	3863	
Sarasota	6245	
Manatee	4565	
Other	51	
Totals	30233	





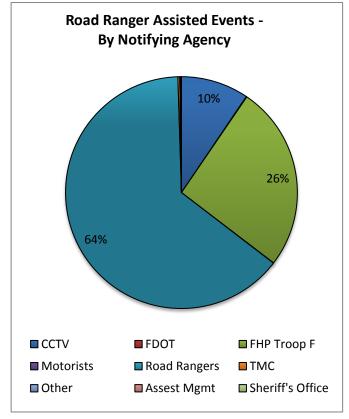




20. Road Ranger Events - By Zone:		
Road Ranger	Road Ranger	Assist
Zones	Events	Activities
RR-103	1394	1574
RR-104	2647	3257
RR-105	432	928
RR-106	2990	3245
RR-107	2970	3235
RR-108	2243	4284
RR-109	2676	2881
RR-110	1691	2141
RR-111	2045	3127
RR-112	5	5
RR-113	3867	4208
RR-115	1157	1317
RR-116	401	449
RR Supervisor	4	4
Totals	24522	30655

	Totals	24522	30655	
Road Ranger-Events - By Zone 8				
4000			3867	
3500	3257 2990 2970	3235	3127	
3000	2647	767		
2500		2141	2045	
2000	1394	1691		
1500				1317
1000	1432 928			16
500	+ + + + + + + + + + + + + + + + + + + +	ННН	NN H	401
0				
28.	OS JON JOS JOS JOS	1, 102, 103, 100 '	TO TO TO TO	PR. 16 risor
	■ Events	S ■Assist A	Activities	562

21. Road Ranger Assisted Events -		
By Notifying Agency:		
Notifying	Number of	% of
Agency	Events	Events
сстv	2849	9.4%
FDOT	24	0.1%
FHP Troop F	7784	25.7%
Motorists	11	0.0%
Road Rangers	19306	63.9%
тмс	77	0.3%
Other	19	0.1%
Assest Mgmt	41	0.1%
Sheriff's Office	11	0.0%
Waze	111	0.4%
Totals	30233	100.0%





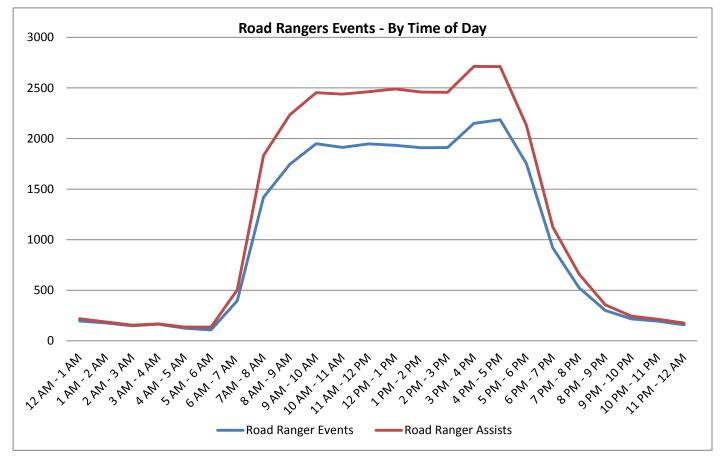




22. Road Ranger Assisted Events -
By Time of Day:

By Time of Buy.		
Time	RR	RR
of Day	Events	Assists
12 AM - 1 AM	196	218
1 AM - 2 AM	177	187
2 AM - 3 AM	148	154
3 AM - 4 AM	164	168
4 AM - 5 AM	125	136
5 AM - 6 AM	108	135
6 AM - 7 AM	397	504
7AM - 8 AM	1419	1832
8 AM - 9 AM	1745	2233
9 AM - 10 AM	1948	2453
10 AM - 11 AM	1912	2439
11 AM - 12 PM	1947	2463

Time	RR	RR
of Day	Events	Assists
12 PM - 1 PM	1932	2489
1 PM - 2 PM	1909	2460
2 PM - 3 PM	1911	2456
3 PM - 4 PM	2149	2713
4 PM - 5 PM	2186	2711
5 PM - 6 PM	1753	2130
6 PM - 7 PM	918	1125
7 PM - 8 PM	525	661
8 PM - 9 PM	301	356
9 PM - 10 PM	216	244
10 PM - 11 PM	194	213
11 PM - 12 AM	158	175
Totals	24438	30655









23. Road Ranger Events -		
By Solution Type:	# -£ A: - t -	
Problem Type Abandoned	# of Assists 1623	
Absorbant	0	
Activity	109	
Assist FHP	622	
Bleach	0	
	0	
Cold Patch Asphalt Debris	5825	
	1	
Deploy Cones Diesel	65	
Directions	325	
Dispatch Not Found	2310	
Flare	1	
Flat Tire	3920	
Flood Lamp	2	
Gas	2339	
Jump	615	
Livestock	1	
Lockout	0	
Minor Repair	964	
Miscellaneous	20	
MOT non-specific	5198	
No Assistance	3015	
Oil	2	
Other	1954	
Phone	3	
Portland Cement	0	
Push	112	
Radio	0	
Tow	347	
Translate	0	
Transmission Fluid	0	
Transport	99	
Turbo Flare	0	
Unsuccessful Repair	18	
Void	170	
Water	994	
Wildlife	1	
Total Assist Activities	30655	

Road Ranger Events - By Solution Type		
Abandoned	1623	
Activity	109	
Assist FHP	622	
Debris	5825	
Deploy Cones	1	
Diesel	65	
Directions	325	
Dispatch Not Found	2310	
Flare	1	
Flat Tire	3920	
Flood Lamp	2	
Gas	2339	
Jump	615	
Livestock] 1	
Minor Repair	964	
Miscellaneous	_) 20	
MOT non-specific	5198	
No Assistance	3015	
Oil] 2	
Other	1954	
Phone] 3	
Push	112	
Tow	347	
Transport	99	
Unsuccessful Repair	_] 18	
Void	170	
Water	994	
Wildlife	1	
	0 1000 2000 3000 4000 5000 6000 7000	

Note: Problem Type categories listed as zero are not included in the above chart.