



This is the FDOT District 1 SWIFT SunGuide Center Quarterly Operations Report, for First Quarter, 2017.

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:	
	15674

2. Number of Lane Blocking Events:	
	1342

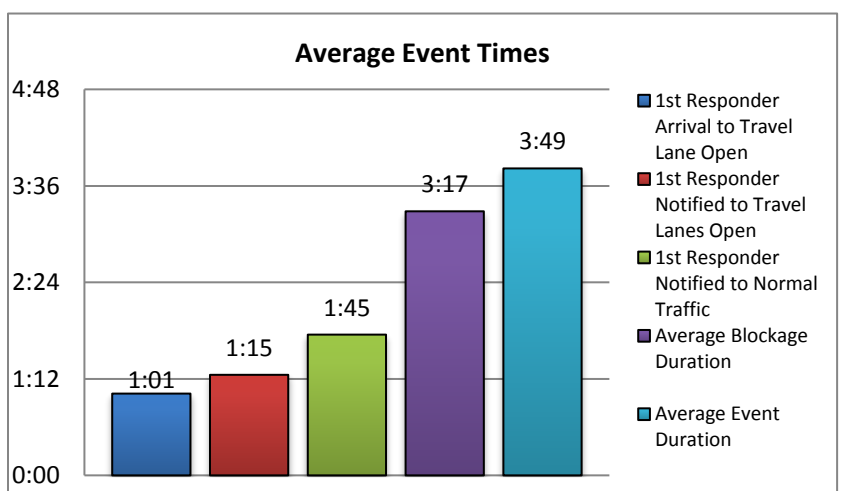
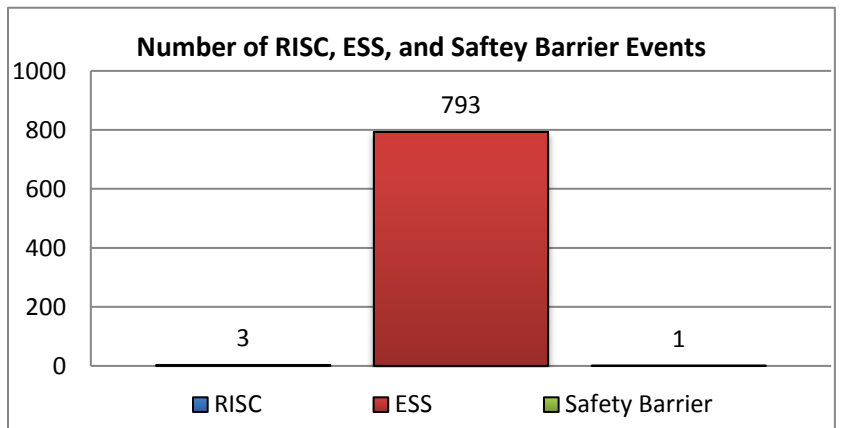
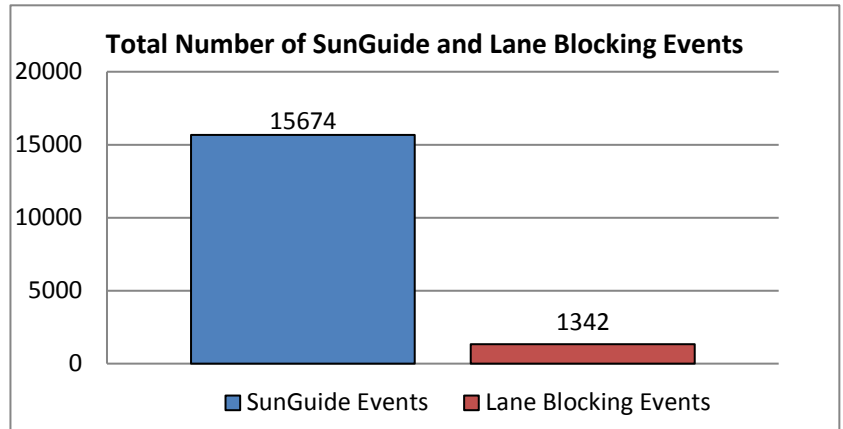
3. Number of RISC Events:	
	3

4. Number of ESS Events:	
	793

5. Events from a Safety Barrier Alert:	
	1

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	1:01
Average Incident Duration From First Responder Notified to Travel Lane Open	1:15
Average Incident Duration From First Responder Notified to Normal Traffic	1:45

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	15674
Number of Lane Blocking Events	1342
Number of Secondary Incidents	290
Average Blockage Duration	3:17
Average Event Duration	3:49



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.



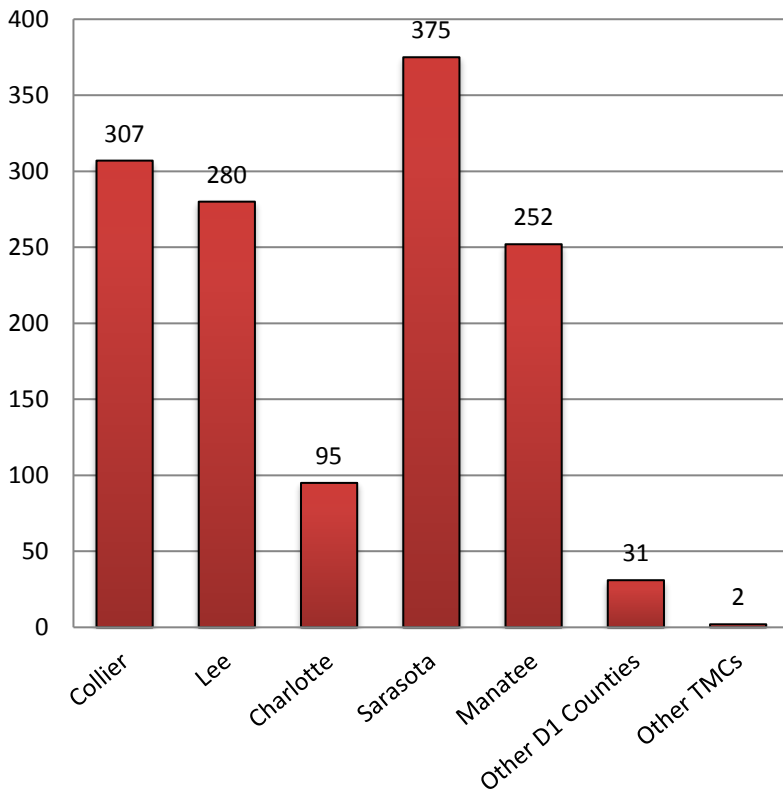
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	240	115	65	242	168	-
US-41	24	109	14	48	65	-
I-275	-	-	-	-	2	-
Arterials	43	56	16	85	17	31
Total Incidents	307	280	95	375	252	31

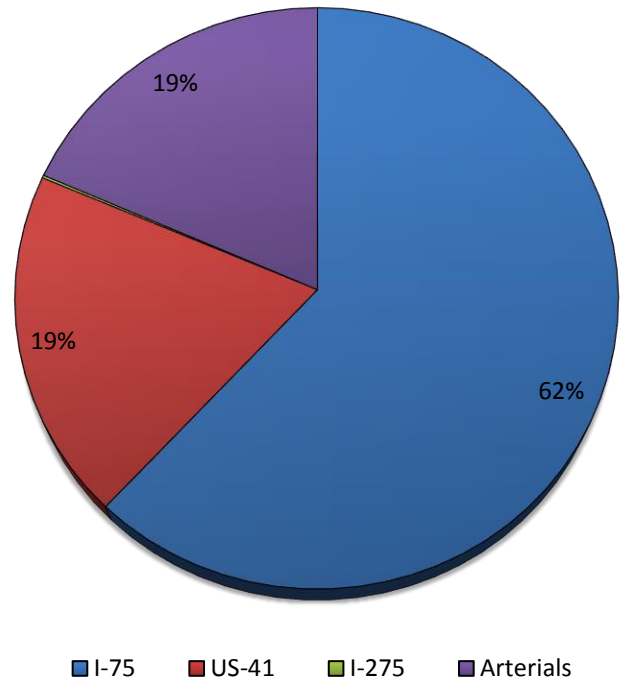
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	2	-	832
US-41	0	0	-	-	260
I-275	0	-	-	-	2
Arterials	0	0	0	0	248
Total Incidents	0	0	2	0	1342

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

Lane Blocking Incidents - By County



Lane Blocking Incidents - By Roadway



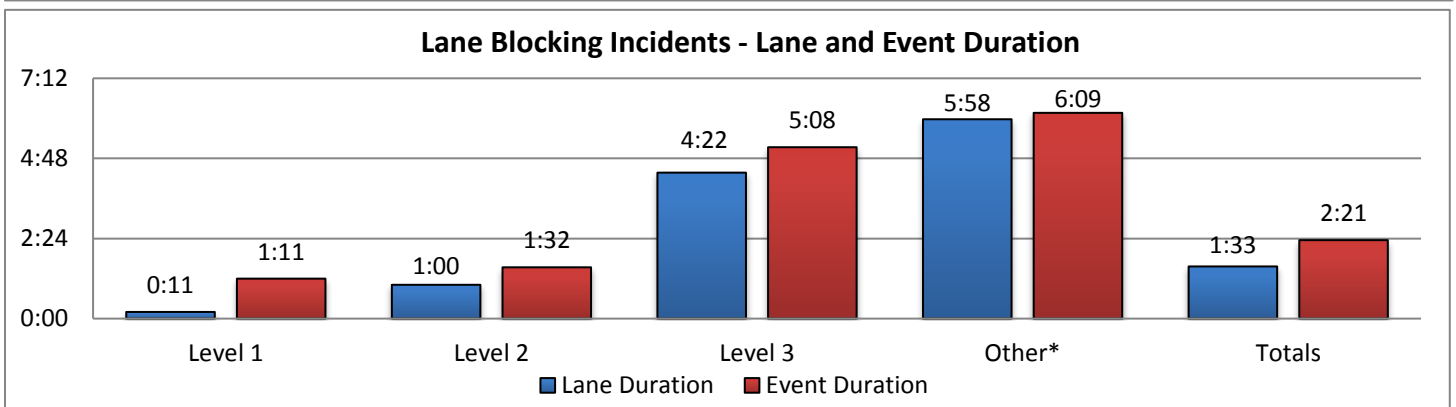
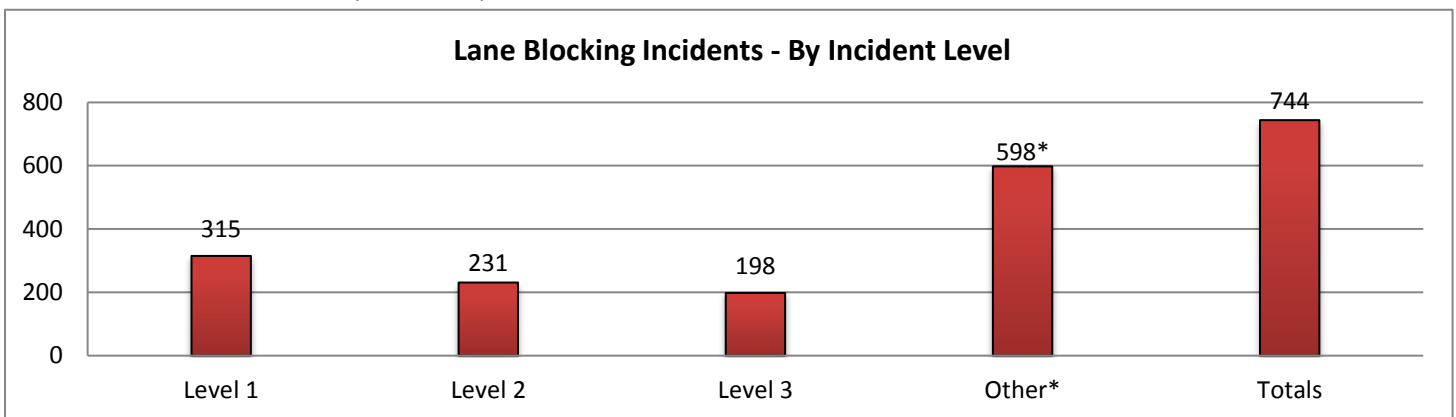


9. LANE BLOCKING INCIDENTS - By Incident Level:

	Collier County			Lee County			Charlotte County			Sarasota County		
	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration
Level 1	49	0:13	1:38	94	0:11	1:01	32	0:13	1:19	85	0:12	1:15
Level 2	31	1:03	1:38	69	1:01	1:22	23	1:05	1:23	53	0:56	1:37
Level 3	55	4:04	5:03	43	1:48	2:21	14	1:50	2:10	21	3:02	4:36
Other*	172*	6:33	6:42	74*	5:48	6:12	26*	4:58	5:13	216*	5:52	6:01
Totals	135	1:58	3:01	206	0:48	1:24	69	0:50	1:30	159	0:49	1:48

	Manatee County			Other Dist 1 Counties			Other District TMCs			Total		
	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration
Level 1	55	0:12	0:58	0	0:00	0:00	0	0:00	0:00	315	0:11	1:11
Level 2	55	1:02	1:41	0	0:00	0:00	0	0:00	0:00	231	1:00	1:32
Level 3	41	2:31	2:58	22	16:55	17:38	2	0:06	0:45	198	4:22	5:08
Other*	101*	5:39	5:50	9*	5:28	5:41	0*	0:00	0:00	598*	5:58	6:09
Totals	151	1:07	1:46	22	16:55	17:38	2	0:06	0:45	744	1:33	2:21

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

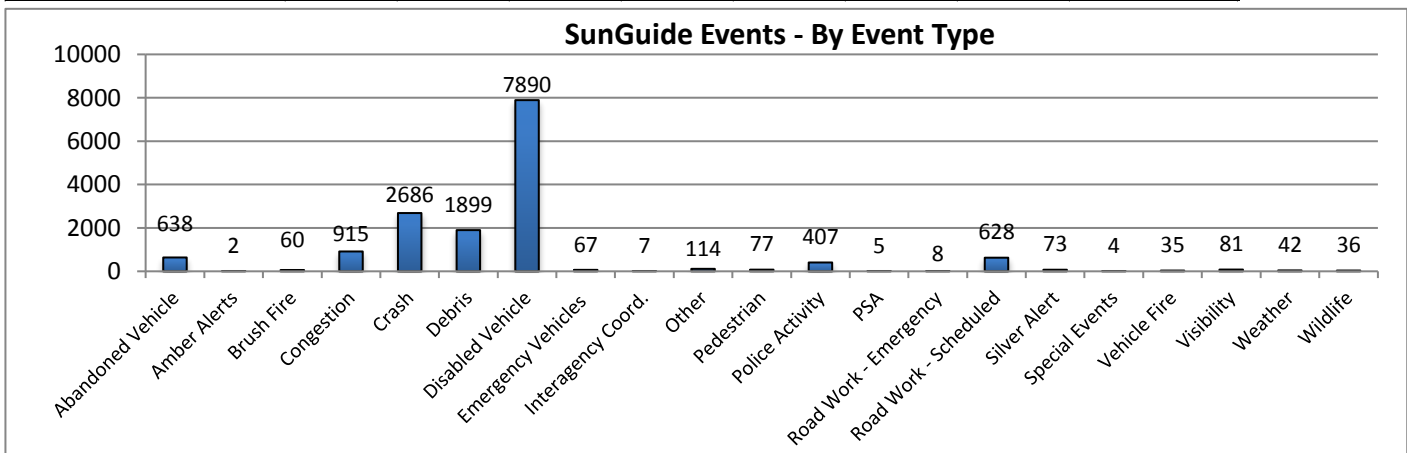




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	119	182	66	178	92	0	1	638
Amber Alerts	0	2	0	0	0	0	0	2
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	21	12	3	6	9	9	0	60
Congestion	75	186	21	157	476	0	0	915
Crash	216	729	139	802	781	15	4	2686
Debris	238	430	256	602	372	1	0	1899
Disabled Vehicle	2746	2331	611	1253	932	0	17	7890
Emergency Vehicles	22	13	9	14	9	0	0	67
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	1	0	0	0	4	0	2	7
LEO Alerts	0	0	0	0	0	0	0	0
Other	40	38	20	8	3	3	2	114
Pedestrian	18	19	7	14	18	0	1	77
Police Activity	184	127	40	35	21	0	0	407
PSA	0	1	0	2	1	1	0	5
Road Work - Emergency	3	2	0	2	1	0	0	8
Road Work - Scheduled	168	73	29	248	101	9	0	628
Silver Alert	0	73	0	0	0	0	0	73
Special Events	0	2	0	0	1	1	0	4
Vehicle Fire	9	12	1	8	4	1	0	35
Visibility	29	17	13	12	10	0	0	81
Weather	12	11	5	7	7	0	0	42
Wildlife	10	7	7	8	4	0	0	36
Total Incidents	3911	4267	1227	3356	2846	40	27	15674

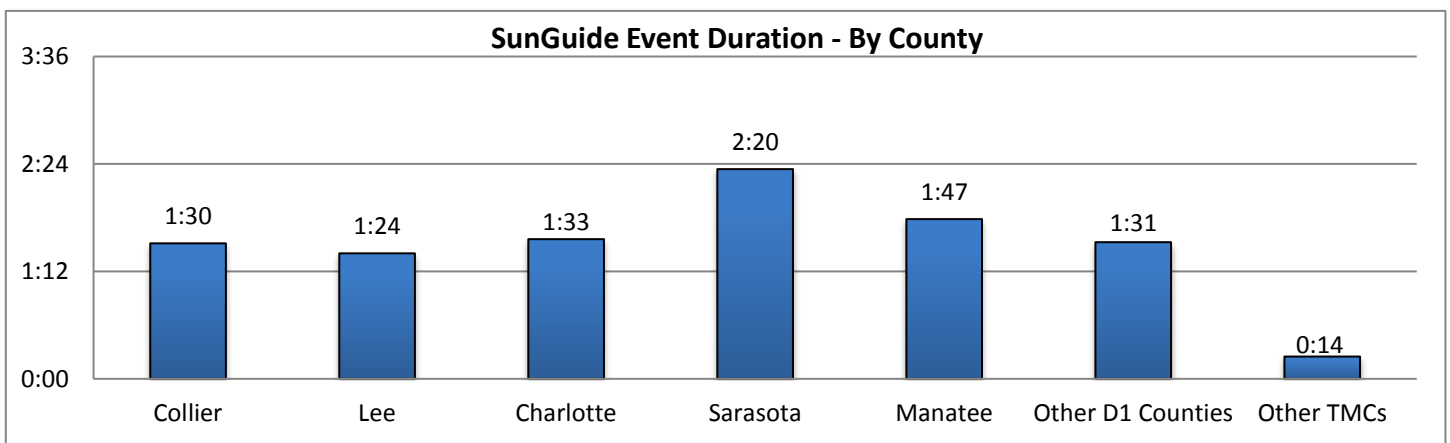
Note: Incident categories that are listed as zero are not included in the chart below.





11. SunGuide Event Duration (Average) - by Event Type:

	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	All Counties
Abandoned Vehicle	8:43	8:44	10:26	13:44	8:14	0:00	3:42	10:13
Amber Alerts	0:00	4:24	0:00	0:00	0:00	0:00	0:00	4:24
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	4:12	1:24	1:03	0:26	1:32	0:17	0:00	2:07
Congestion	1:11	0:54	1:13	1:07	1:41	0:00	0:00	1:22
Crash	1:37	1:07	1:15	1:19	1:33	0:57	0:25	1:20
Debris	0:19	0:24	0:20	0:23	0:17	1:46	0:00	0:21
Disabled Vehicle	0:59	0:58	1:07	1:52	1:34	0:00	0:01	1:11
Emergency Vehicles	5:26	1:41	1:15	2:39	0:50	0:00	0:00	2:56
Evacuation	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Flooding	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Interagency Coord.	4:47	0:00	0:00	0:00	3:17	0:00	0:22	2:40
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:50	0:10	0:13	0:24	0:29	0:05	0:02	0:25
Pedestrian	0:20	0:21	0:41	0:40	0:36	0:00	0:07	0:29
Police Activity	0:30	0:28	0:29	0:39	0:50	0:00	0:00	0:31
PSA	0:00	0:10	0:00	3:29	15:10	28:31	0:00	10:09
Road Work - Emergency	0:25	1:11	0:00	13:43	2:54	0:00	0:00	4:14
Road Work - Scheduled	6:51	6:24	4:51	5:46	5:51	1:08	0:00	6:02
Silver Alert	0:00	3:53	0:00	0:00	0:00	0:00	0:00	3:53
Special Events	0:00	5:54	0:00	0:00	19:24	2:49	0:00	8:30
Vehicle Fire	1:38	1:07	1:41	1:54	0:52	0:15	0:00	1:23
Visibility	4:23	3:52	4:35	3:40	3:20	0:00	0:00	4:04
Weather	1:41	1:31	2:11	1:31	1:38	0:00	0:00	1:39
Wildlife	0:59	0:35	0:25	0:45	0:26	0:00	0:00	0:40
Total Incidents	1:30	1:24	1:33	2:20	1:47	1:31	0:14	1:42





12. Event DMS Statistics:

Number of DMS Used for Unplanned Events*:	Number of Incidents Utilizing DMS	Average Number of DMS per Incident	Average DMS Message Duration
9040	1147	8	2:42

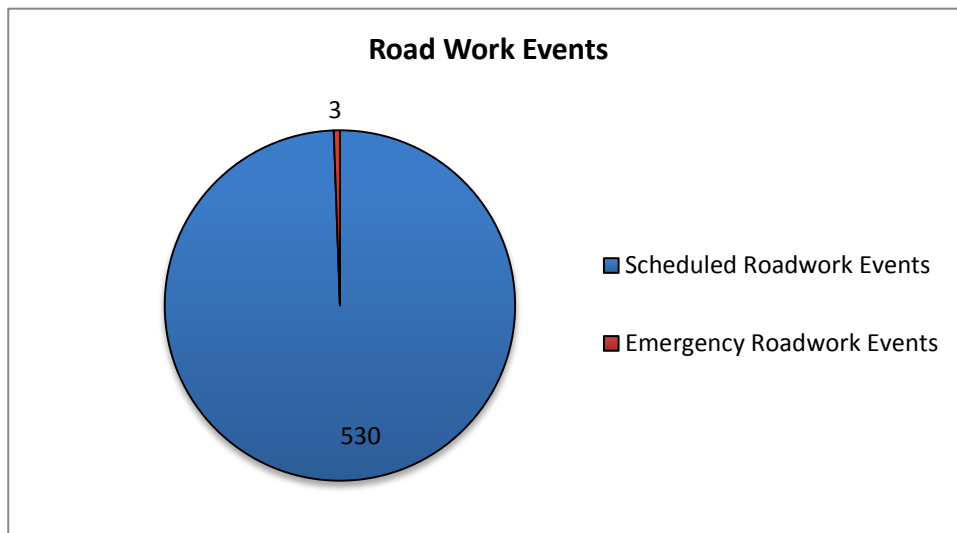
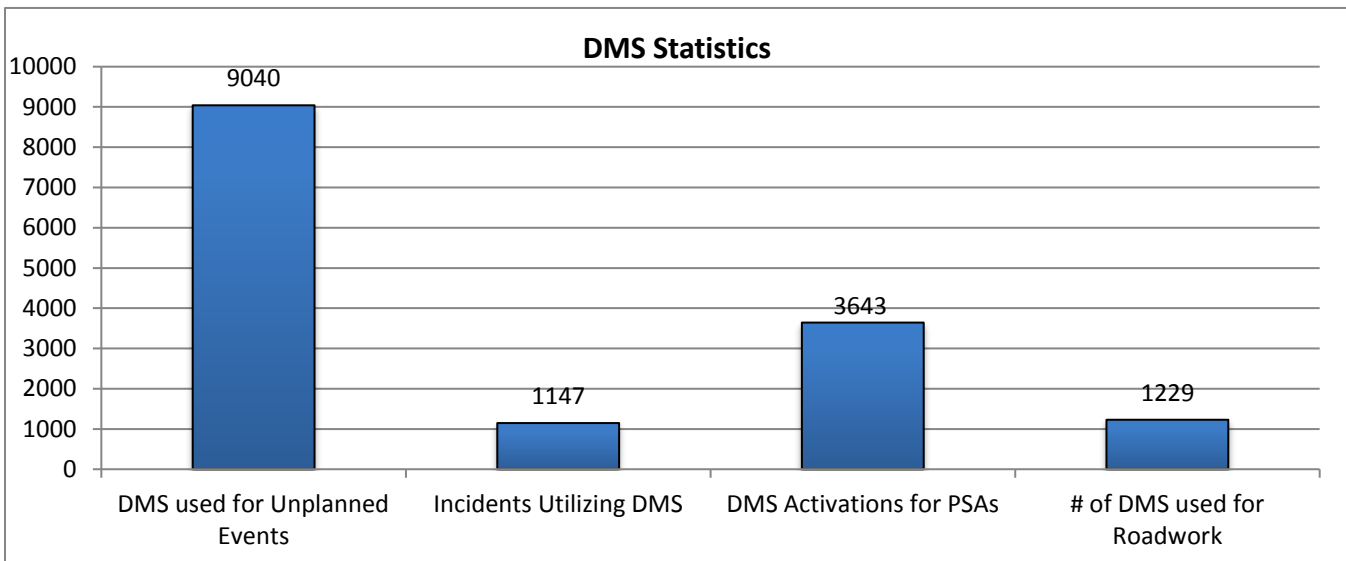
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
3643

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
530	3	533
# DMS Used for Road Work		Average # of DMS/Pattern
1229		2

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





15. Event Location - Summary By Exit Reference:

I-75 Northbound		I-75 Southbound	
Mile <49	8	Mile <49	0
Mile 49-79.9	512	Mile 49-79.9	670
Mile 80-100.9	750	Mile 80-100.9	720
Mile 101-104.9	91	Mile 101-104.9	73
Mile 105-106.9	108	Mile 105-106.9	123
Mile 107-110.9	224	Mile 107-110.9	228
Mile 111-115.9	198	Mile 111-115.9	157
Mile 116-122.9	379	Mile 116-122.9	402
Mile 123-127.9	327	Mile 123-127.9	212
Mile 128-130.9	150	Mile 128-130.9	170
Mile 131-135.9	316	Mile 131-135.9	299
Mile 136 -137.9	115	Mile 136 -137.9	84
Mile 138 -138.9	123	Mile 138 -138.9	65
Mile 139 - 140.9	210	Mile 139 - 140.9	85
Mile 141 - 142.9	121	Mile 141 - 142.9	83
Mile 143 - 157.9	507	Mile 143 - 157.9	464
Mile 158 - 160.9	77	Mile 158 - 160.9	75
Mile 161 - 163.9	103	Mile 161 - 163.9	59
Mile 164 - 166.9	67	Mile 164 - 166.9	93
Mile 167 -169.9	57	Mile 167 -169.9	80
Mile 170 - 178.9	178	Mile 170 - 178.9	141
Mile 179 - 181.9	73	Mile 179 - 181.9	88
Mile 182 - 190.9	277	Mile 182 - 190.9	238
Mile 191 - 192.9	84	Mile 191 - 192.9	74
Mile 193 - 194.9	85	Mile 193 - 194.9	66
Mile 195 -199.9	173	Mile 195 -199.9	126
Mile 200 - 204.9	205	Mile 200 - 204.9	222
Mile 205 - 206.9	125	Mile 205 - 206.9	103
Mile 207 - 209.9	125	Mile 207 - 209.9	114
Mile 210 -212.9	199	Mile 210 -212.9	180
Mile 213 - 216.9	414	Mile 213 - 216.9	325
Mile 217 - 219.9	209	Mile 217 - 219.9	223
Mile 220 - 223.9	195	Mile 220 - 223.9	220
Mile 224 -227.9	232	Mile 224 -227.9	174
Mile 228 - 228.9	36	Mile 228 - 228.9	42
Mile 229 -229.9	2	Mile 229 -229.9	5
Mile 230 - 239.9	6	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
North Total	7061	South Total	6483

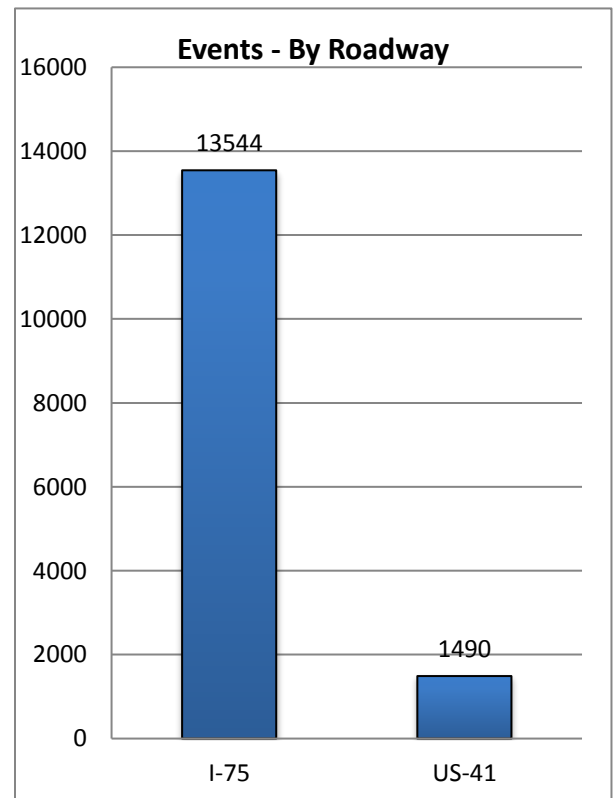
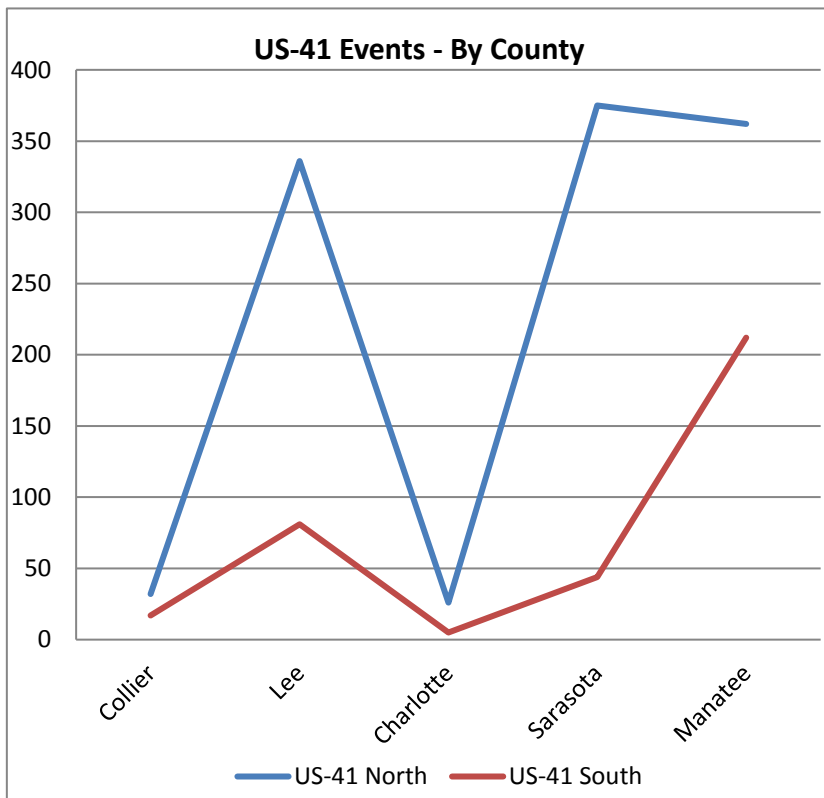
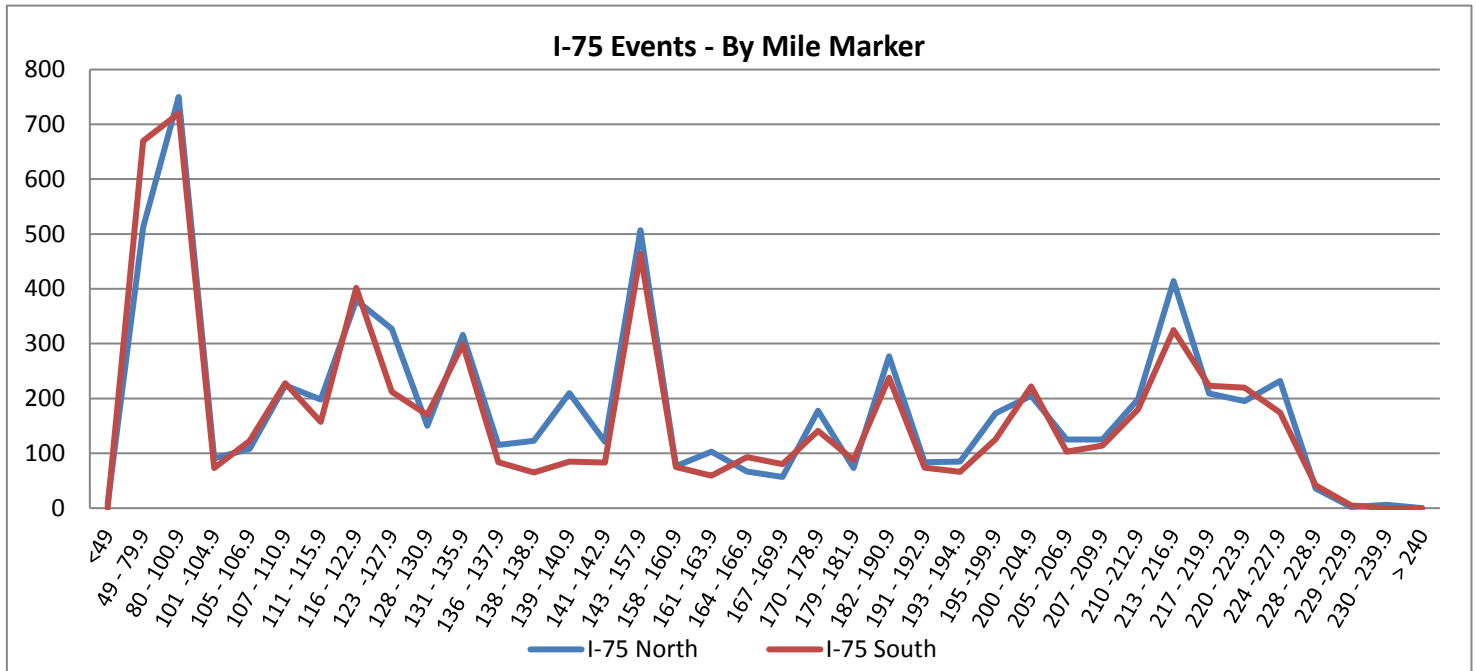
US-41 Northbound	
Collier	32
Lee	336
Charlotte	26
Sarasota	375
Manatee	362
North Total	1131

US-41 Southbound	
Collier	17
Lee	81
Charlotte	5
Sarasota	44
Manatee	212
South Total	359

Total Events on US-41
1490

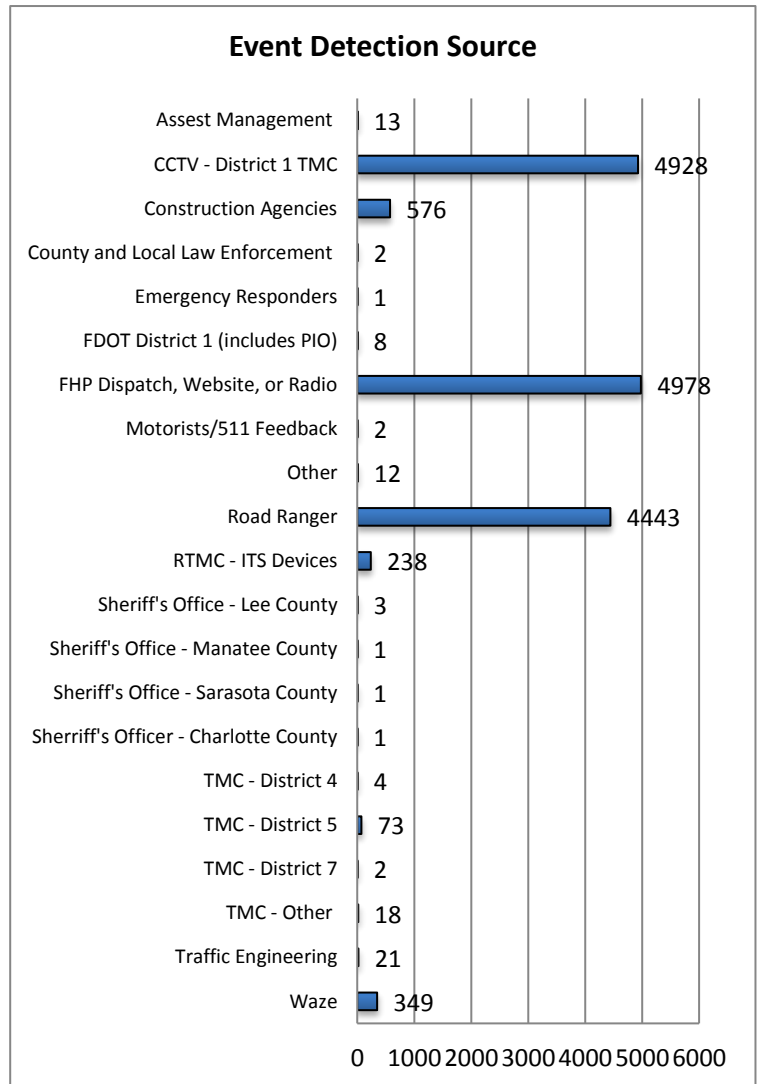
Total Events on I-75
13544

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	13	0.1%
CCTV - District 1 TMC	4928	31.4%
CCTV - Other	0	0.0%
Construction Agencies	576	3.7%
County and Local Law Enforcement	2	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	1	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	8	0.1%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	4978	31.8%
FHP Incident Alerts	0	0.0%
Fire Department	0	0.0%
HazMat/DEP	0	0.0%
MCCO	0	0.0%
Media	0	0.0%
Motorists/511 Feedback	2	0.0%
Other	12	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	4443	28.3%
RTMC - ITS Devices (TSS & Safety Barrier)	238	1.5%
RTMC Scanner	0	0.0%
RTMC Staff (On Scene)	0	0.0%
Sherriff's Officer - Charlotte County	1	0.0%
Sheriff's Office - Collier County	0	0.0%
Sheriff's Office - Lee County	3	0.0%
Sheriff's Office - Manatee County	1	0.0%
Sheriff's Office - Sarasota County	1	0.0%
SW Florida Internantion Airport	0	0.0%
TMC - District 4	4	0.0%
TMC - District 5	73	0.5%
TMC - District 7	2	0.0%
TMC - Other	18	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	21	0.1%
Waze	349	2.2%
Total Number of Incidents	15674	100.0%

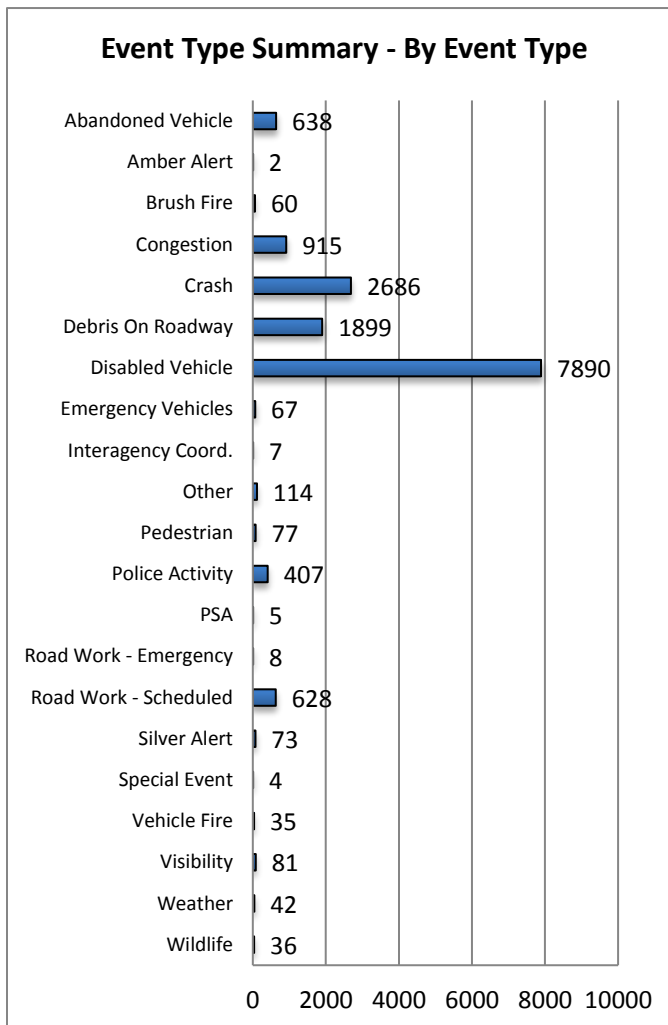


Note: Event Detection Source Categories listed as zero are not included in the above chart.



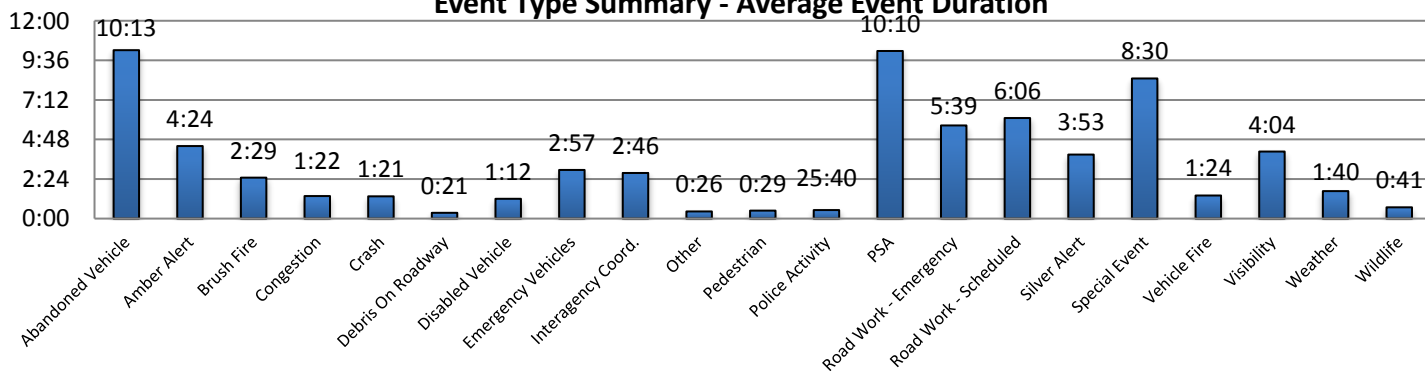
17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	638	2:33	10:13
Amber Alert	2	0:00	4:24
Bridge Work	0	0:00	0:00
Brush Fire	60	0:58	2:29
Congestion	915	0:01	1:22
Crash	2686	0:46	1:21
Debris On Roadway	1899	0:11	0:21
Disabled Vehicle	7890	0:20	1:12
Emergency Vehicles	67	1:46	2:57
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	7	0:09	2:46
LEO Alert	0	0:00	0:00
Other	114	0:05	0:26
Pedestrian	77	0:07	0:29
Police Activity	407	0:18	0:31
PSA	5	0:00	10:10
Road Work - Emergency	8	0:00	5:39
Road Work - Scheduled	628	0:04	6:06
Silver Alert	73	0:00	3:53
Special Event	4	0:00	8:30
Vehicle Fire	35	0:46	1:24
Visibility	81	0:03	4:04
Weather	42	0:02	1:40
Wildlife	36	0:26	0:41
Total Events	15674	0:32	3:21



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

Event Type Summary - Average Event Duration





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

County Limits	
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

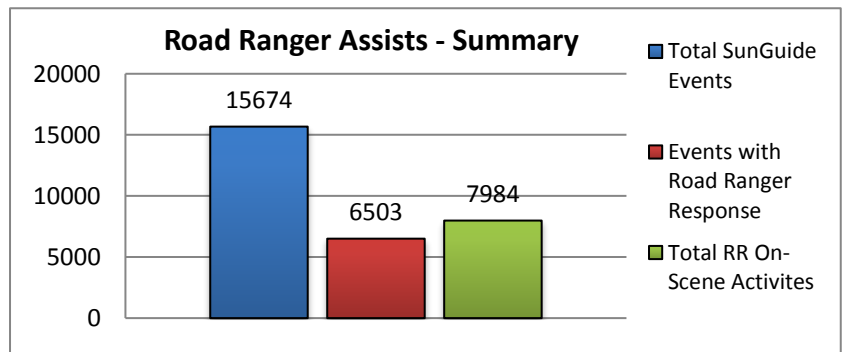
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

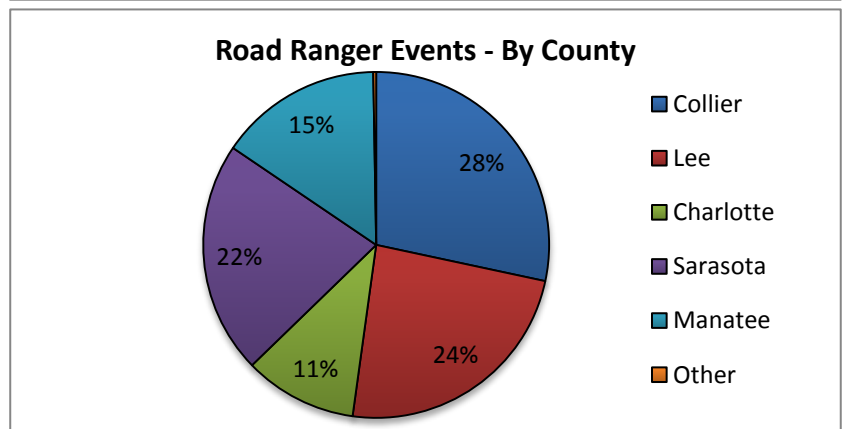
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	15674
Events with Road Ranger Response	6503
Total RR On-Scene Activities	7984
Average Activities/Assisted Event	1.23
% of Events Assisted	41.49%



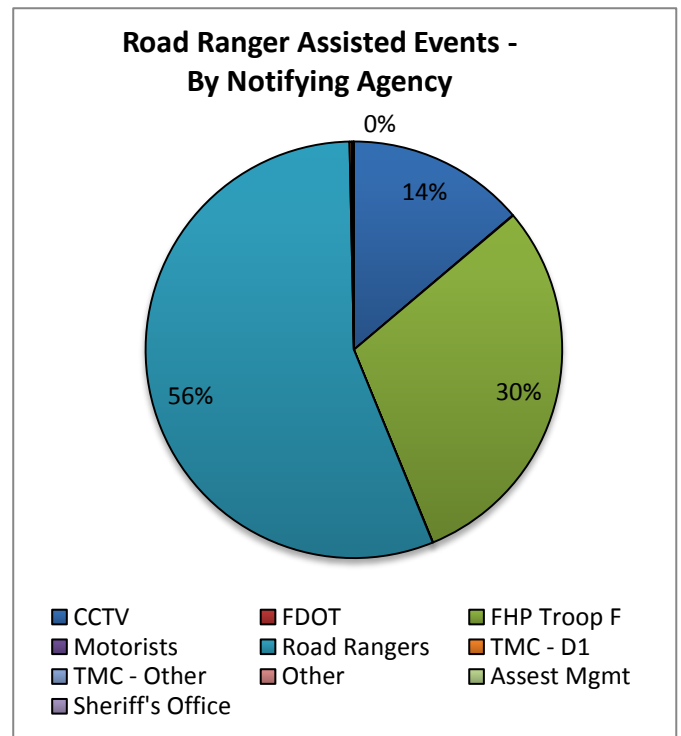
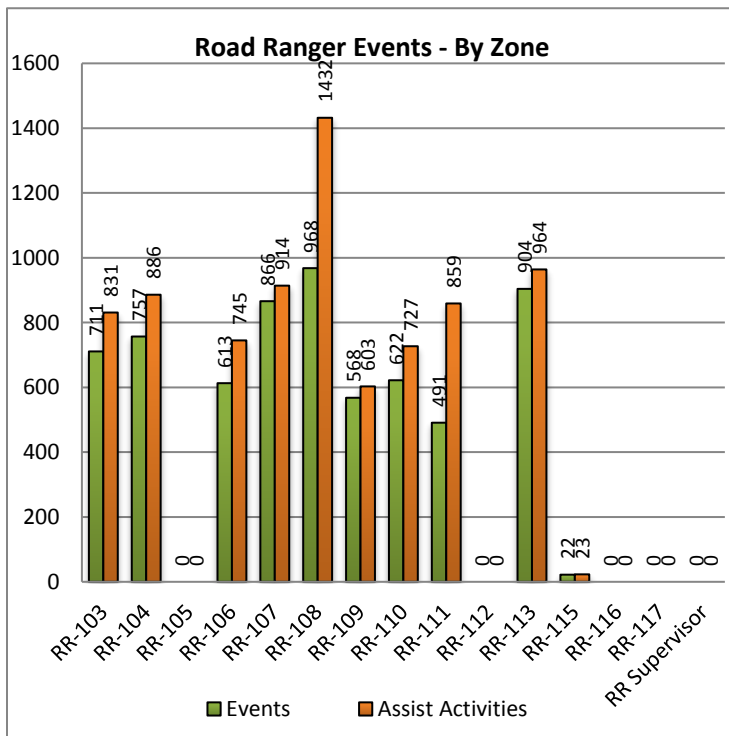
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	2300
Lee	1932
Charlotte	857
Sarasota	1762
Manatee	1237
Other	22
Totals	8110





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	711	831
RR-104	757	886
RR-105	0	0
RR-106	613	745
RR-107	866	914
RR-108	968	1432
RR-109	568	603
RR-110	622	727
RR-111	491	859
RR-112	0	0
RR-113	904	964
RR-115	22	23
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	6522	7984

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	1098	13.5%
FDOT	3	0.0%
FHP Troop F	2379	29.3%
Motorists	2	0.0%
Road Rangers	4436	54.7%
TMC - D1	14	0.2%
TMC - Other	9	0.1%
Other	0	0.0%
Assest Mgmt	2	0.0%
Sheriff's Office	2	0.0%
Waze	165	2.0%
Totals	8110	100.0%

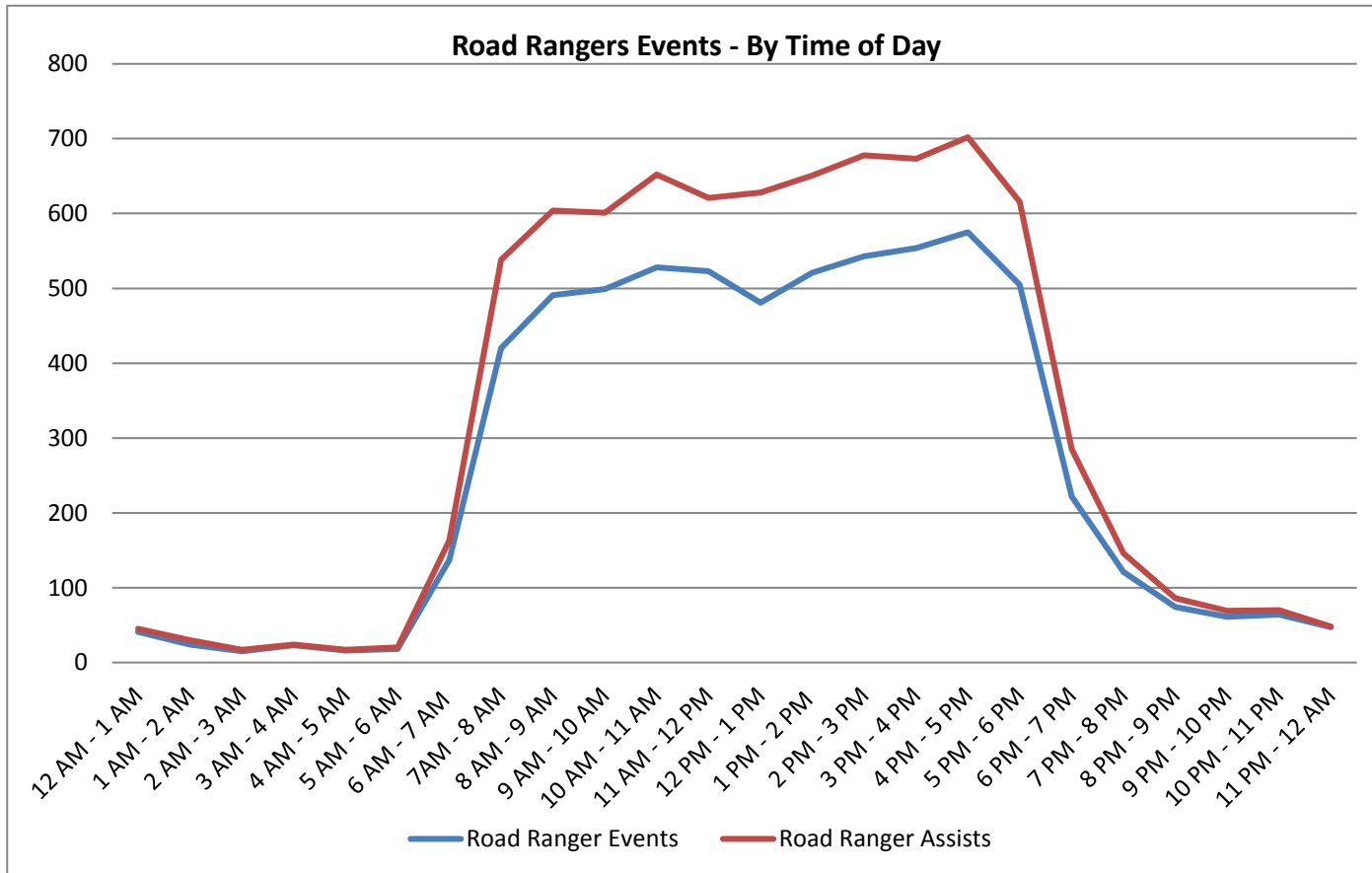




**22. Road Ranger Assisted Events -
By Time of Day:**

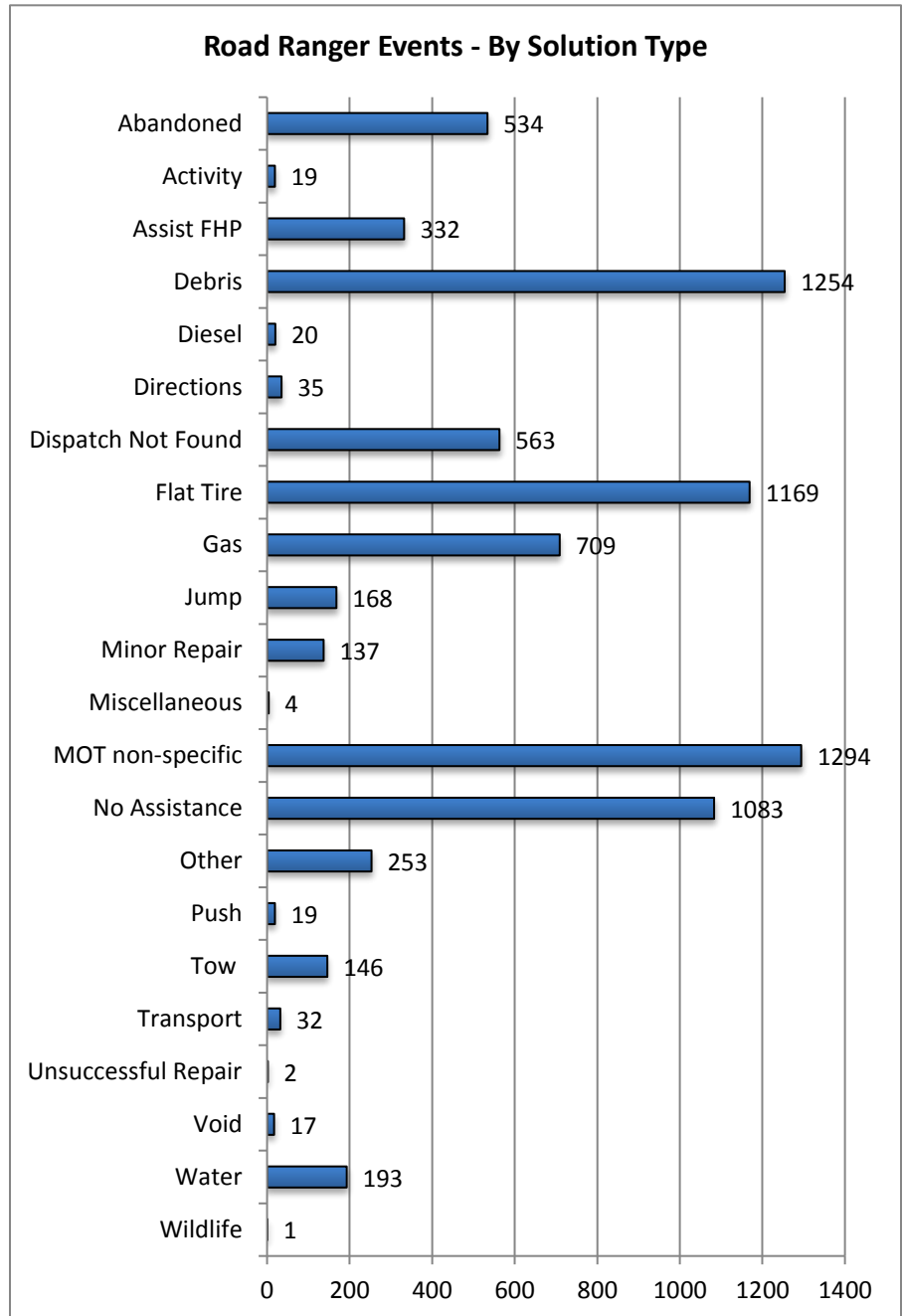
Time of Day	RR Events	RR Assists
12 AM - 1 AM	41	45
1 AM - 2 AM	24	30
2 AM - 3 AM	15	17
3 AM - 4 AM	23	24
4 AM - 5 AM	16	17
5 AM - 6 AM	18	20
6 AM - 7 AM	137	163
7 AM - 8 AM	420	538
8 AM - 9 AM	491	604
9 AM - 10 AM	499	601
10 AM - 11 AM	528	652
11 AM - 12 PM	523	621

Time of Day	RR Events	RR Assists
12 PM - 1 PM	481	628
1 PM - 2 PM	521	651
2 PM - 3 PM	543	678
3 PM - 4 PM	554	673
4 PM - 5 PM	575	702
5 PM - 6 PM	505	616
6 PM - 7 PM	222	285
7 PM - 8 PM	121	146
8 PM - 9 PM	74	86
9 PM - 10 PM	61	69
10 PM - 11 PM	64	70
11 PM - 12 AM	47	48
Totals	6503	7984





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	534
Absorbant	0
Activity	19
Assist FHP	332
Bleach	0
Cold Patch Asphalt	0
Debris	1254
Deploy Cones	0
Diesel	20
Directions	35
Dispatch Not Found	563
Flare	0
Flat Tire	1169
Flood Lamp	0
Gas	709
Jump	168
Livestock	0
Lockout	0
Minor Repair	137
Miscellaneous	4
MOT non-specific	1294
No Assistance	1083
Oil	0
Other	253
Phone	0
Portland Cement	0
Push	19
Radio	0
Tow	146
Translate	0
Transmission Fluid	0
Transport	32
Turbo Flare	0
Unsuccessful Repair	2
Void	17
Water	193
Wildlife	1
Total Assist Activities	7984



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