

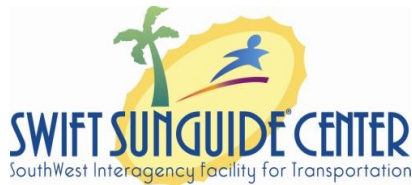


This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for March 2017. This report contains the numerical data and counts that were derived from the SunGuide System events created by the operations staff.

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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:	
	5426

2. Number of Lane Blocking Events:	
	482

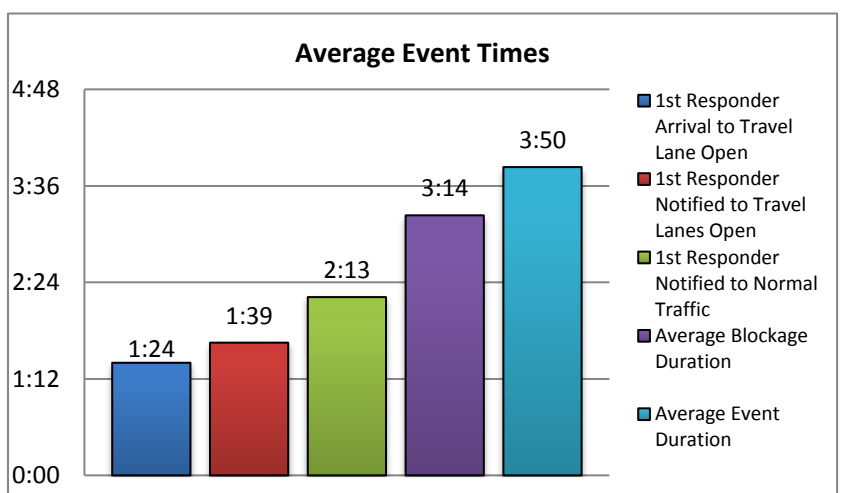
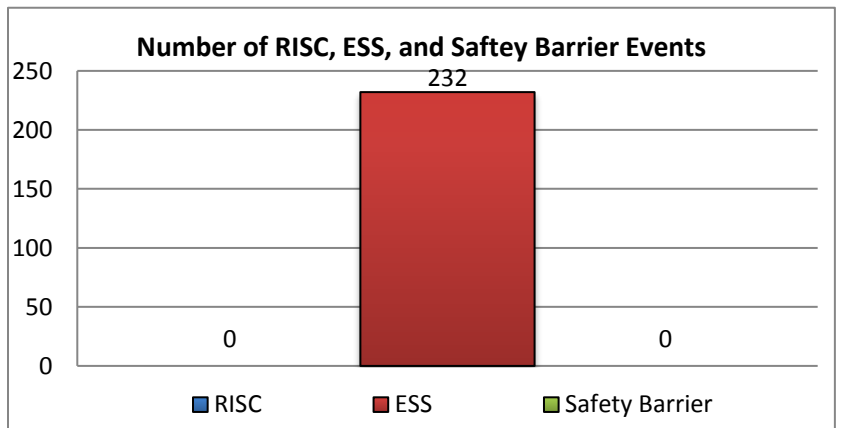
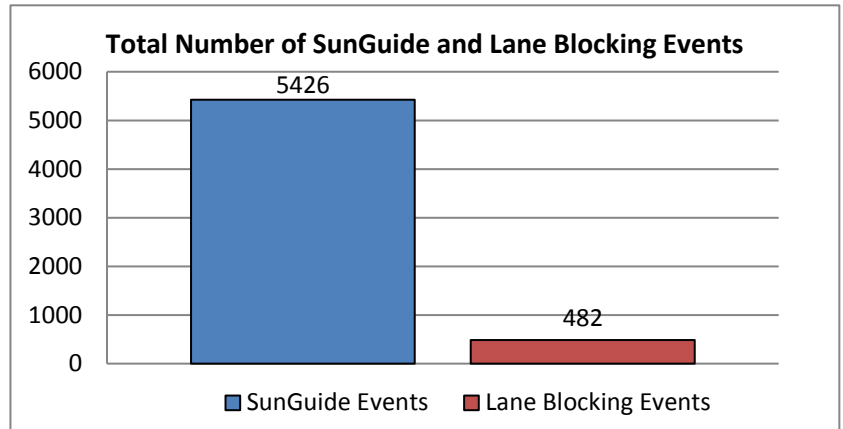
3. Number of RISC Events:	
	0

4. Number of ESS Events:	
	232

5. Events from a Safety Barrier Alert:	
	0

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	1:24
Average Incident Duration From First Responder Notified to Travel Lane Open	1:39
Average Incident Duration From First Responder Notified to Normal Traffic	2:13

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	5426
Number of Lane Blocking Events	482
Number of Secondary Incidents	106
Average Blockage Duration	3:14
Average Event Duration	3:50



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.



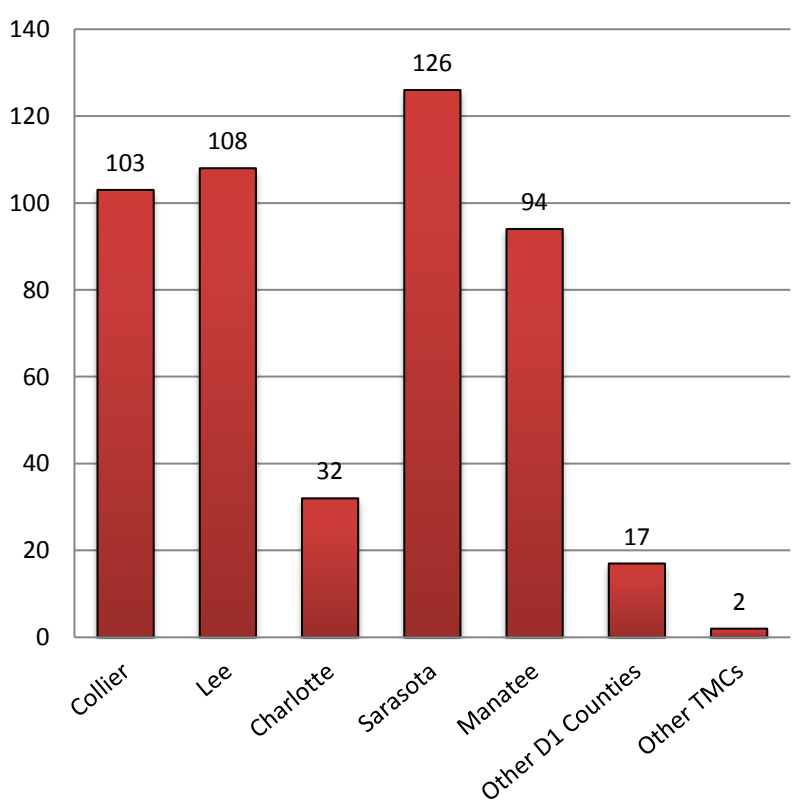
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	83	37	26	74	54	-
US-41	6	42	3	17	32	-
I-275	-	-	-	-	0	-
Arterials	14	29	3	35	8	17
Total Incidents	103	108	32	126	94	17

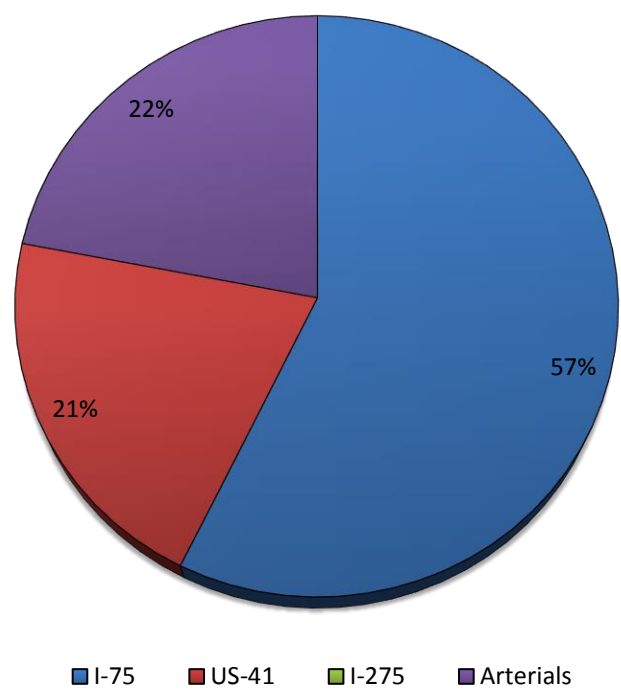
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	2	-	276
US-41	0	0	-	-	100
I-275	0	-	-	-	0
Arterials	0	0	0	0	106
Total Incidents	0	0	2	0	482

*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



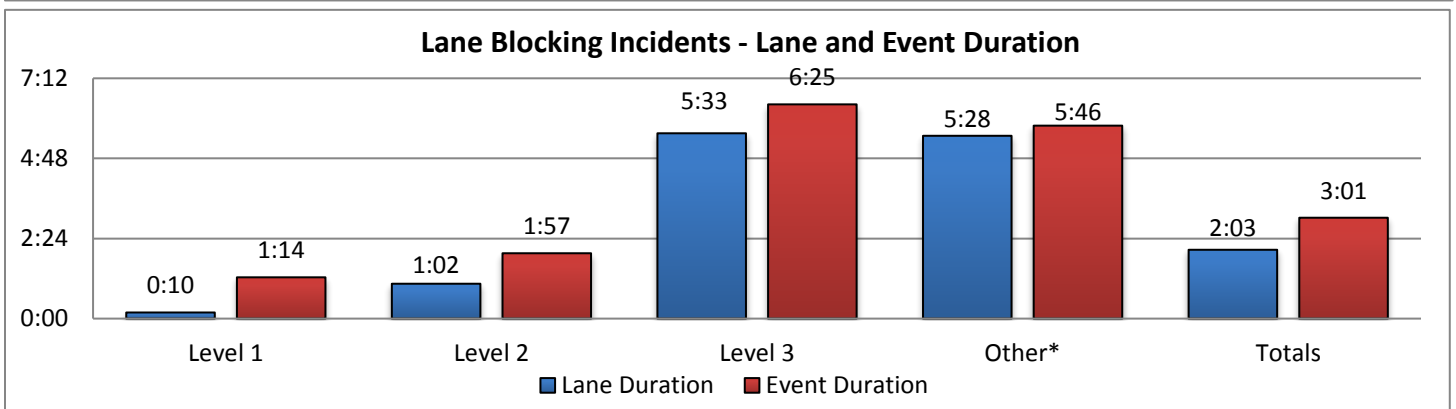
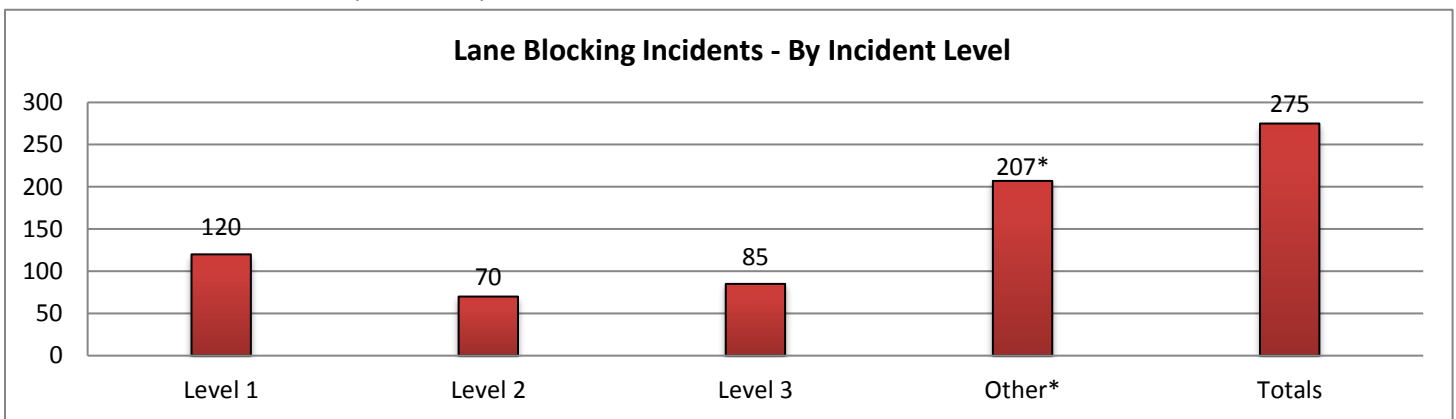


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	18	0:11	1:18	35	0:09	1:04	11	0:15	2:02	32	0:11	1:13
Level 2	8	1:00	1:35	20	1:06	1:30	9	1:07	1:21	14	0:59	1:36
Level 3	19	7:45	9:03	15	1:26	2:07	6	1:55	2:13	14	3:54	5:46
Other*	58*	4:18	4:28	38*	6:17	6:51	6*	5:28	5:57	66*	5:55	6:09
Totals	45	3:31	4:37	70	0:41	1:24	26	0:56	1:50	60	1:14	2:22

	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	24	0:12	1:06	0	0:00	0:00	0	0:00	0:00	120	0:10	1:14
Level 2	19	1:01	3:09	0	0:00	0:00	0	0:00	0:00	70	1:02	1:57
Level 3	16	3:09	3:25	13	14:21	14:45	2	0:06	0:45	85	5:33	6:25
Other*	35*	5:36	5:58	4*	6:36	6:45	0*	0:00	0:00	207*	5:28	5:46
Totals	59	1:15	2:23	13	14:21	14:45	2	0:06	0:45	275	2:03	3:01

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

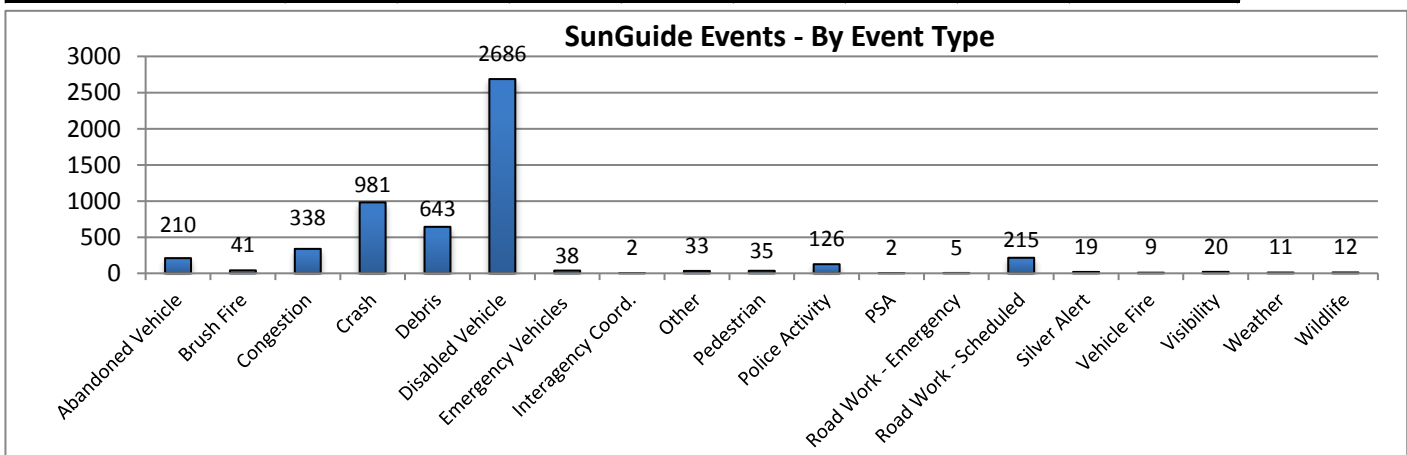




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	38	61	24	54	32	0	1	210
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	16	8	2	3	5	7	0	41
Congestion	26	75	12	54	171	0	0	338
Crash	65	268	51	309	279	7	2	981
Debris	87	155	96	182	123	0	0	643
Disabled Vehicle	895	707	203	478	397	0	6	2686
Emergency Vehicles	14	7	4	10	3	0	0	38
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	0	0	0	0	0	0	2	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	14	9	3	2	2	3	0	33
Pedestrian	7	10	4	3	11	0	0	35
Police Activity	53	34	17	15	7	0	0	126
PSA	0	0	0	2	0	0	0	2
Road Work - Emergency	0	2	0	2	1	0	0	5
Road Work - Scheduled	55	37	7	78	34	4	0	215
Silver Alert	0	19	0	0	0	0	0	19
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	2	2	1	3	0	1	0	9
Visibility	10	4	3	2	1	0	0	20
Weather	3	2	2	2	2	0	0	11
Wildlife	4	2	1	1	4	0	0	12
Total Incidents	1289	1402	430	1200	1072	22	11	5426

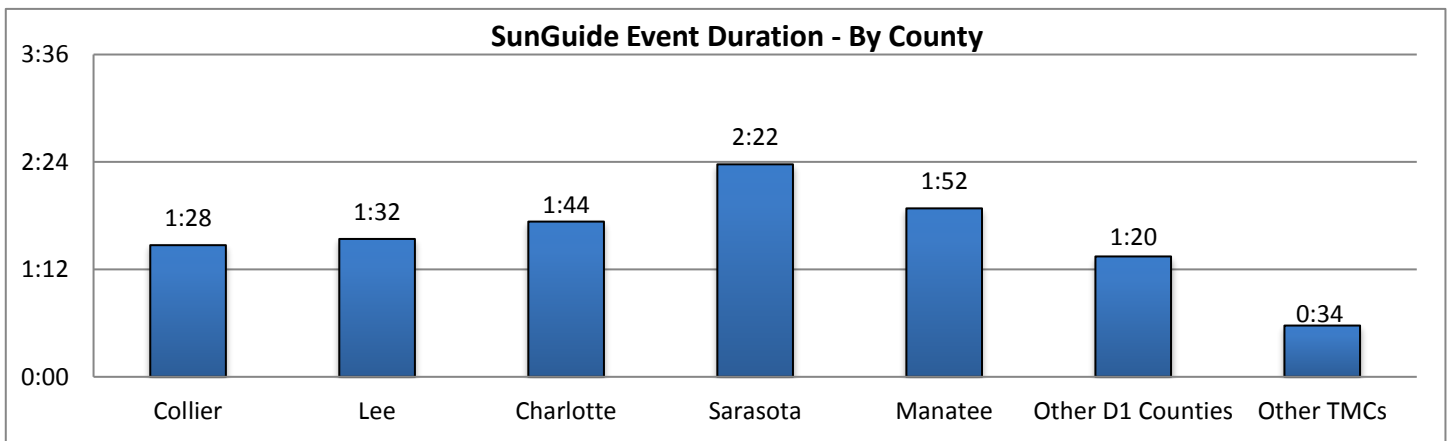
Note: Incident categories that are listed as zero are not included in the chart below.





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	7:14	8:04	12:46	15:08	9:59	0:00	3:42	10:32
Amber Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	3:58	1:50	1:33	0:30	2:02	0:26	0:00	2:20
Congestion	1:07	0:54	1:45	1:15	1:53	0:00	0:00	1:30
Crash	1:33	1:10	1:16	1:24	1:38	1:44	0:42	1:24
Debris	0:18	0:29	0:19	0:29	0:22	0:00	0:00	0:24
Disabled Vehicle	1:04	1:09	1:13	1:51	1:35	0:00	0:04	1:18
Emergency Vehicles	8:03	1:51	2:09	3:16	1:14	0:00	0:00	4:29
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.	0:00	0:00	0:00	0:00	0:00	0:00	0:22	0:22
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	1:48	0:09	0:35	0:43	0:33	0:05	0:00	0:56
Pedestrian	0:26	0:23	0:35	1:25	0:31	0:00	0:00	0:32
Police Activity	0:26	0:23	0:37	0:40	0:19	0:00	0:00	0:27
PSA	0:00	0:00	0:00	3:29	0:00	0:00	0:00	3:29
Road Work - Emergency	0:00	1:11	0:00	13:43	2:54	0:00	0:00	6:32
Road Work - Scheduled	4:37	7:01	5:09	5:49	6:10	3:27	0:00	5:42
Silver Alert	0:00	4:00	0:00	0:00	0:00	0:00	0:00	4:00
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	1:13	1:22	1:41	2:16	0:00	0:15	0:00	1:32
Visibility	2:02	2:07	2:58	4:26	5:56	0:00	0:00	2:37
Weather	1:09	0:59	1:31	1:33	1:32	0:00	0:00	1:19
Wildlife	0:40	0:59	0:18	1:58	0:26	0:00	0:00	0:43
Total Incidents	1:28	1:32	1:44	2:22	1:52	1:20	0:34	1:47





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
2525	424	6	2:27

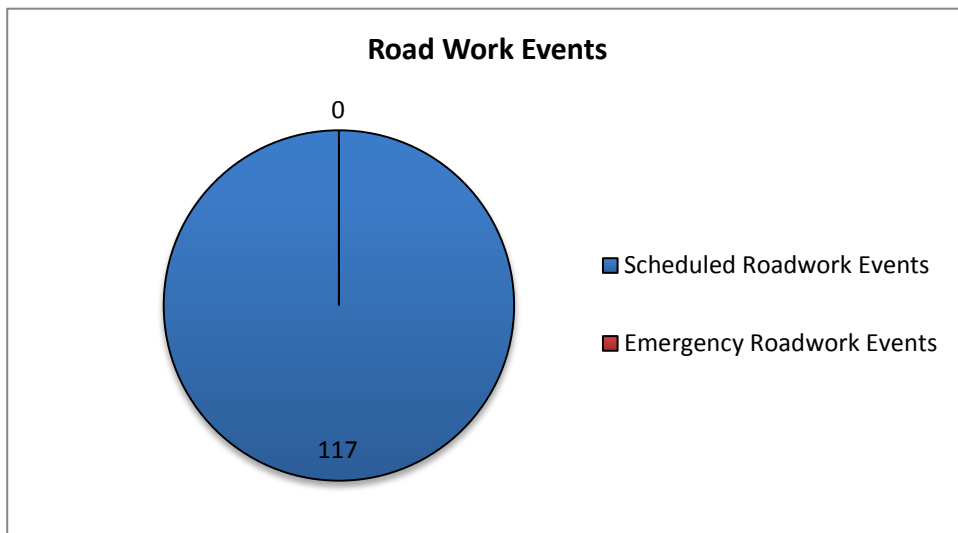
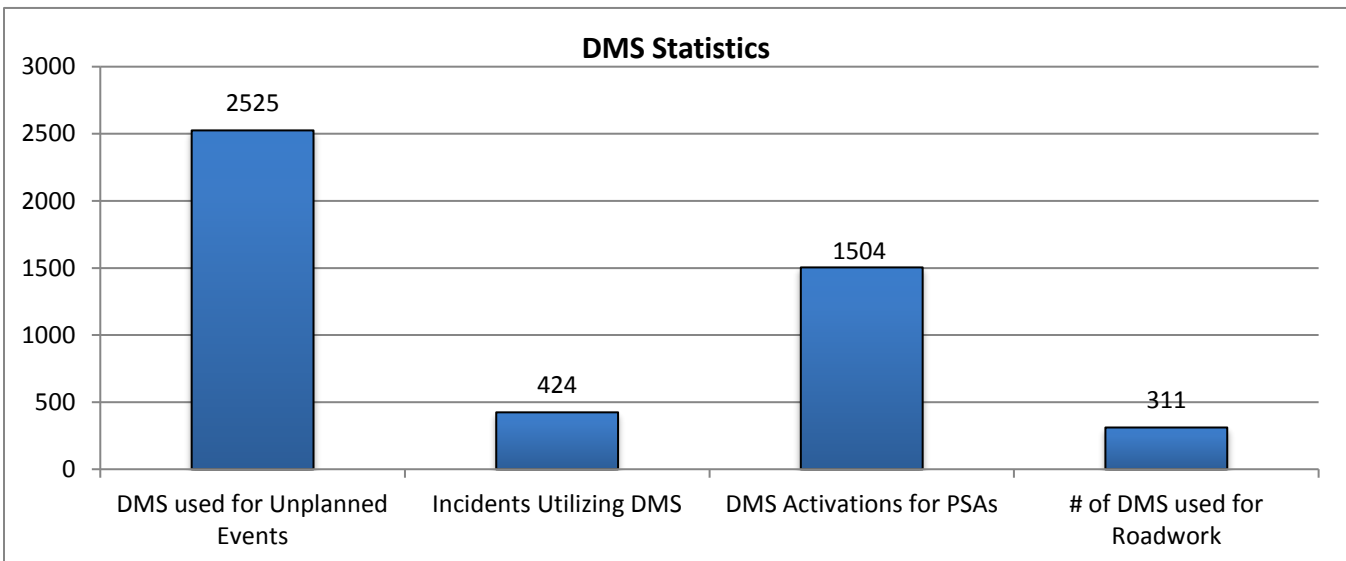
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
1504

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
117	0	117
# DMS Used for Road Work		Average # of DMS/Pattern
311		3

* 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	3	Mile <49	0
Mile 49-79.9	202	Mile 49-79.9	267
Mile 80-100.9	230	Mile 80-100.9	191
Mile 101-104.9	30	Mile 101-104.9	25
Mile 105-106.9	48	Mile 105-106.9	38
Mile 107-110.9	54	Mile 107-110.9	95
Mile 111-115.9	60	Mile 111-115.9	41
Mile 116-122.9	144	Mile 116-122.9	140
Mile 123-127.9	101	Mile 123-127.9	54
Mile 128-130.9	41	Mile 128-130.9	49
Mile 131-135.9	78	Mile 131-135.9	114
Mile 136 -137.9	42	Mile 136 -137.9	29
Mile 138 -138.9	44	Mile 138 -138.9	17
Mile 139 - 140.9	67	Mile 139 - 140.9	24
Mile 141 - 142.9	42	Mile 141 - 142.9	31
Mile 143 - 157.9	161	Mile 143 - 157.9	147
Mile 158 - 160.9	29	Mile 158 - 160.9	32
Mile 161 - 163.9	44	Mile 161 - 163.9	18
Mile 164 - 166.9	26	Mile 164 - 166.9	31
Mile 167 -169.9	22	Mile 167 -169.9	21
Mile 170 - 178.9	81	Mile 170 - 178.9	62
Mile 179 - 181.9	23	Mile 179 - 181.9	33
Mile 182 - 190.9	78	Mile 182 - 190.9	90
Mile 191 - 192.9	25	Mile 191 - 192.9	26
Mile 193 - 194.9	31	Mile 193 - 194.9	15
Mile 195 -199.9	66	Mile 195 -199.9	40
Mile 200 - 204.9	69	Mile 200 - 204.9	83
Mile 205 - 206.9	57	Mile 205 - 206.9	32
Mile 207 - 209.9	56	Mile 207 - 209.9	36
Mile 210 -212.9	58	Mile 210 -212.9	61
Mile 213 - 216.9	148	Mile 213 - 216.9	116
Mile 217 - 219.9	85	Mile 217 - 219.9	97
Mile 220 - 223.9	51	Mile 220 - 223.9	78
Mile 224 -227.9	107	Mile 224 -227.9	68
Mile 228 - 228.9	18	Mile 228 - 228.9	18
Mile 229 -229.9	0	Mile 229 -229.9	1
Mile 230 - 239.9	1	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
North Total	2422	South Total	2220

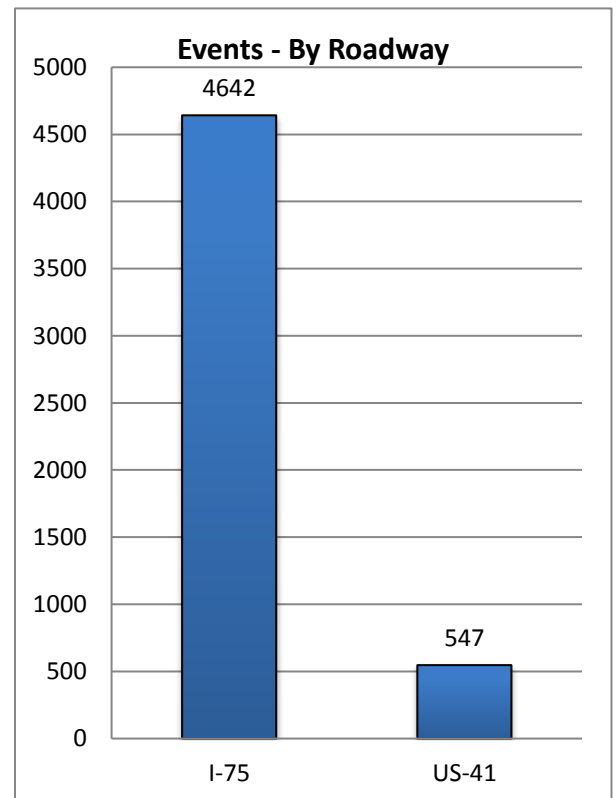
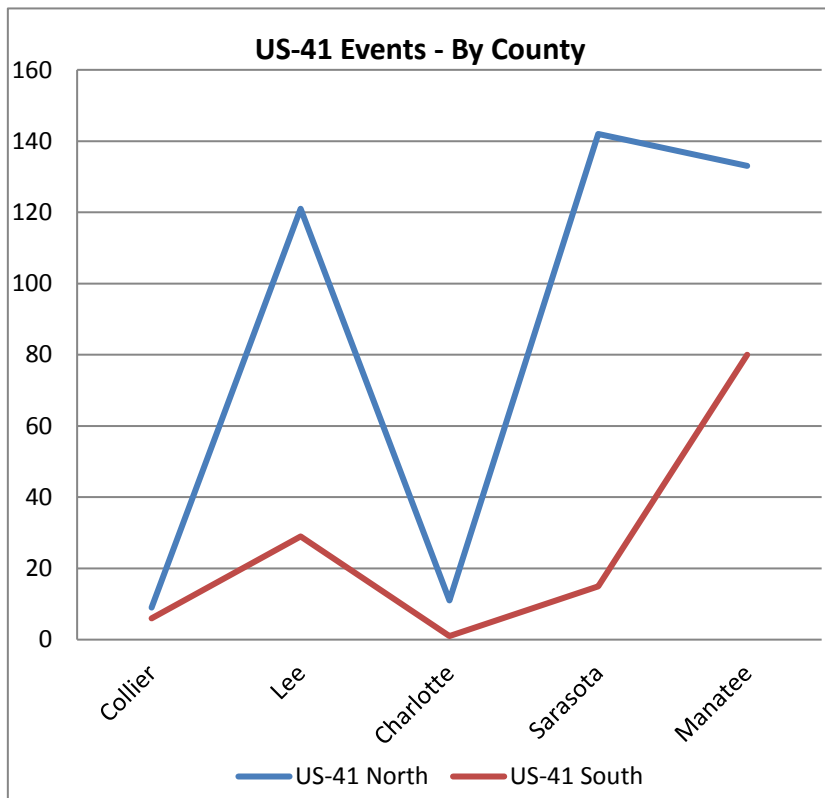
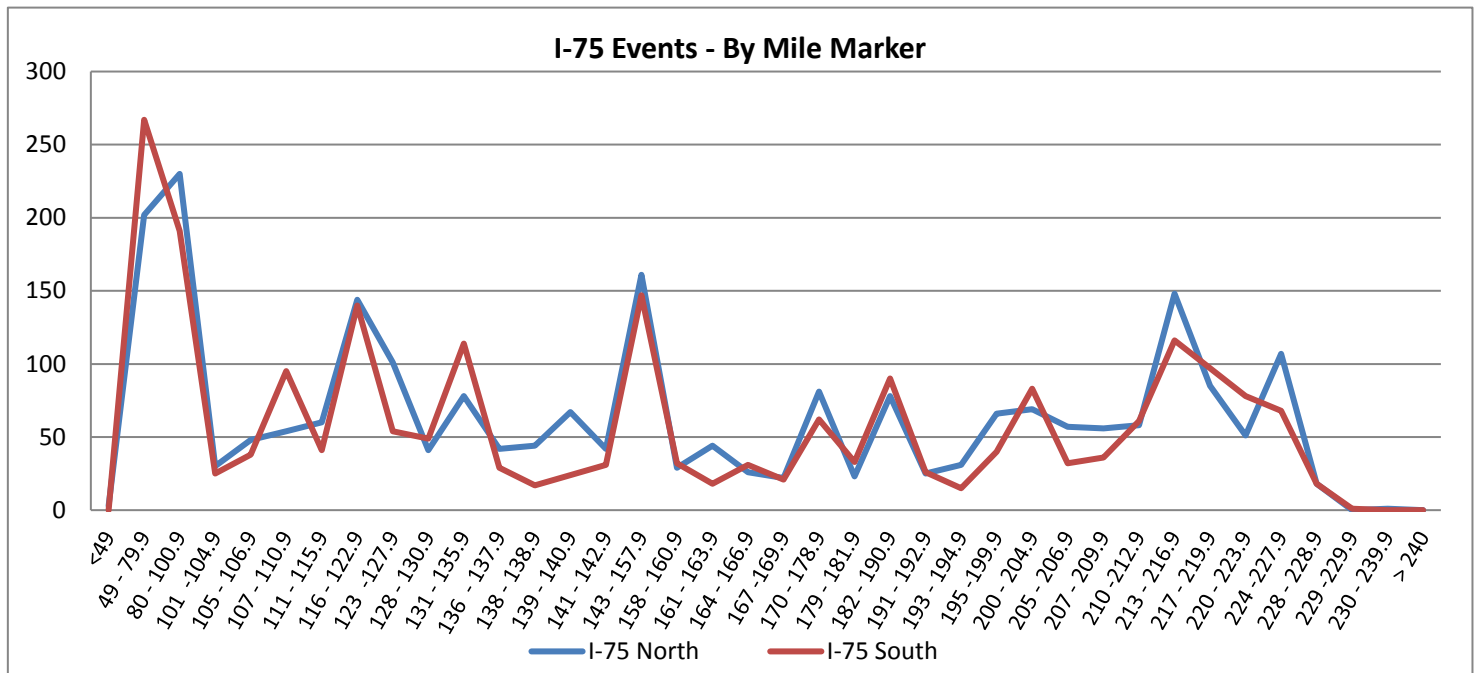
US-41 Northbound	
Collier	9
Lee	121
Charlotte	11
Sarasota	142
Manatee	133
North Total	416

US-41 Southbound	
Collier	6
Lee	29
Charlotte	1
Sarasota	15
Manatee	80
South Total	131

Total Events on US-41
547

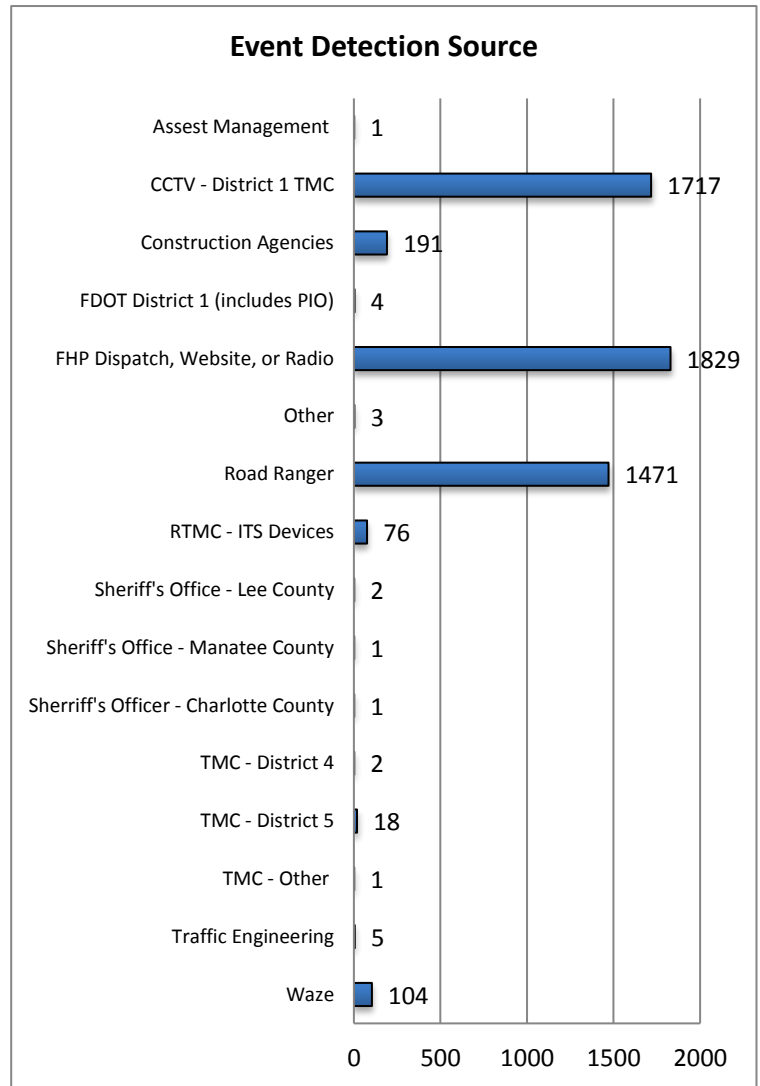
Total Events on I-75
4642

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	1	0.0%
CCTV - District 1 TMC	1717	31.6%
CCTV - Other	0	0.0%
Construction Agencies	191	3.5%
County and Local Law Enforcement	0	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	4	0.1%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1829	33.7%
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	0	0.0%
Other	3	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1471	27.1%
RTMC - ITS Devices (TSS & Safety Barrier)	76	1.4%
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	2	0.0%
Sheriff's Office - Manatee County	1	0.0%
Sheriff's Office - Sarasota County	0	0.0%
SW Florida Internantion Airport	0	0.0%
TMC - District 4	2	0.0%
TMC - District 5	18	0.3%
TMC - District 7	0	0.0%
TMC - Other	1	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	5	0.1%
Waze	104	1.9%
Total Number of Incidents	5426	100.0%

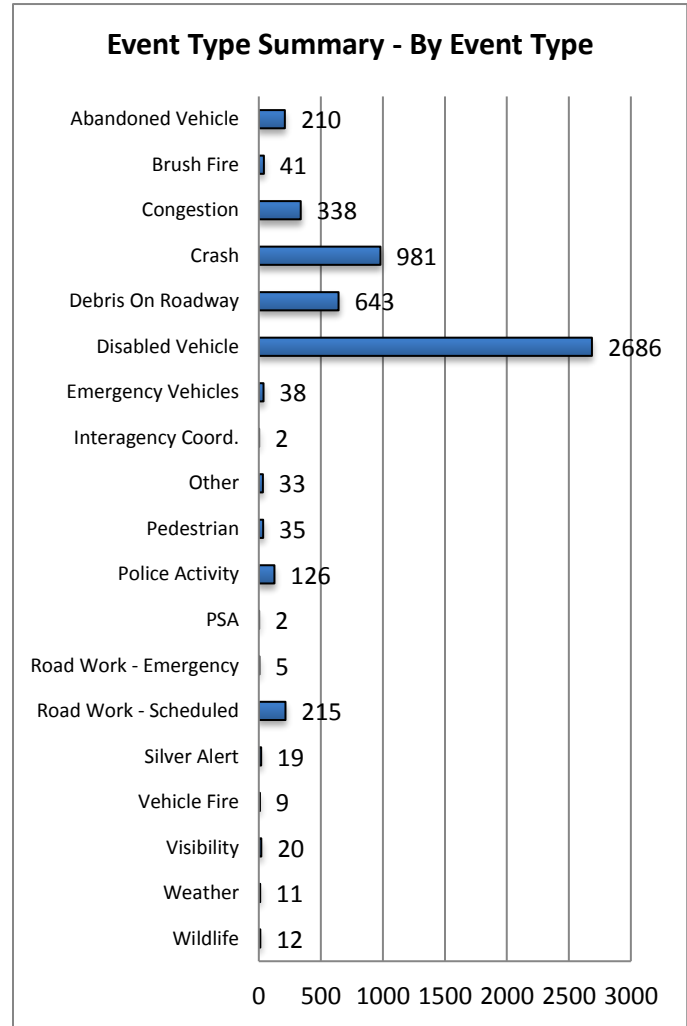


Note: Event Detection Source Categories listed as zero are not included in the above chart.



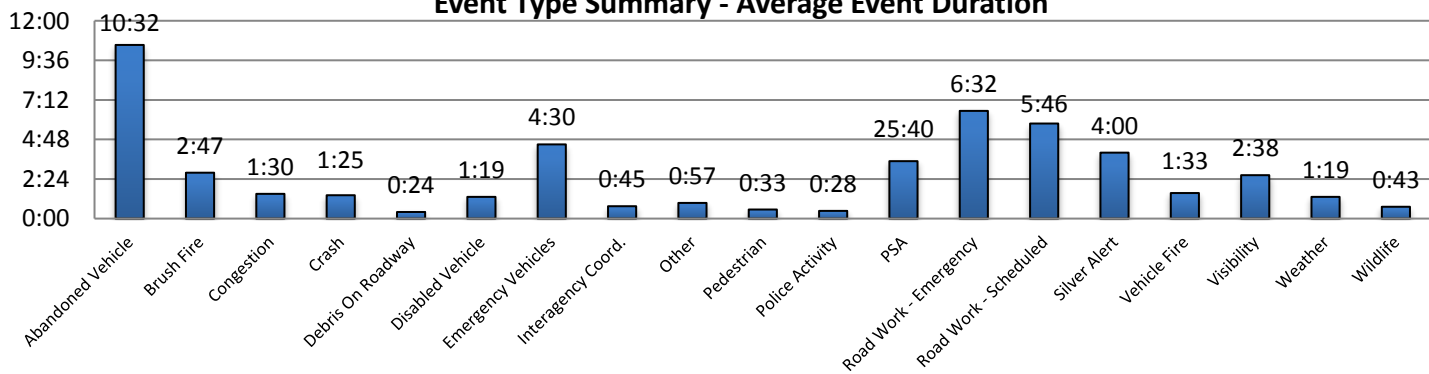
17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	210	2:57	10:32
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	41	1:10	2:47
Congestion	338	0:00	1:30
Crash	981	0:44	1:25
Debris On Roadway	643	0:12	0:24
Disabled Vehicle	2686	0:23	1:19
Emergency Vehicles	38	2:54	4:30
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	2	0:00	0:45
LEO Alert	0	0:00	0:00
Other	33	0:09	0:57
Pedestrian	35	0:07	0:33
Police Activity	126	0:20	0:28
PSA	2	0:00	3:29
Road Work - Emergency	5	0:00	6:32
Road Work - Scheduled	215	0:09	5:46
Silver Alert	19	0:00	4:00
Special Event	0	0:00	0:00
Vehicle Fire	9	0:38	1:33
Visibility	20	0:11	2:38
Weather	11	0:08	1:19
Wildlife	12	0:20	0:43
Total Events	5426	0:44	2:41



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

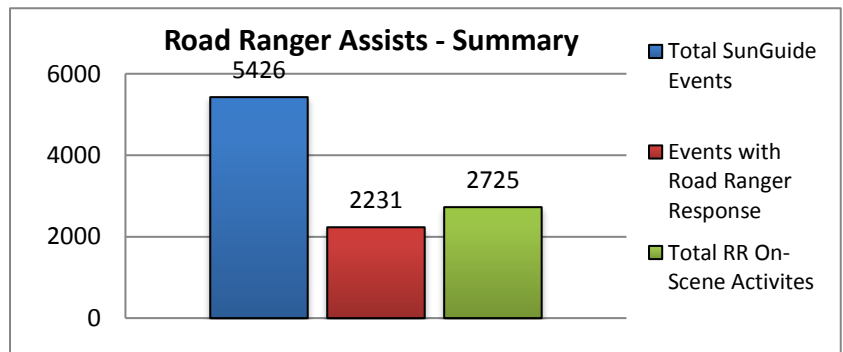
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

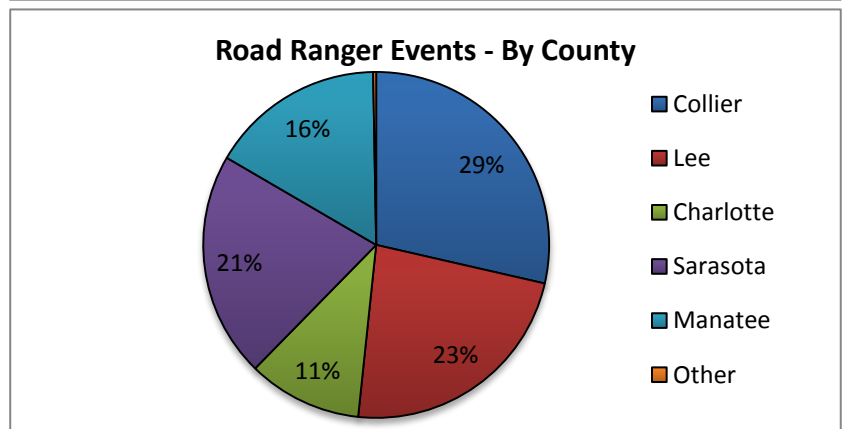
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	5426
Events with Road Ranger Response	2231
Total RR On-Scene Activities	2725
Average Activities/Assisted Event	1.22
% of Events Assisted	41.12%



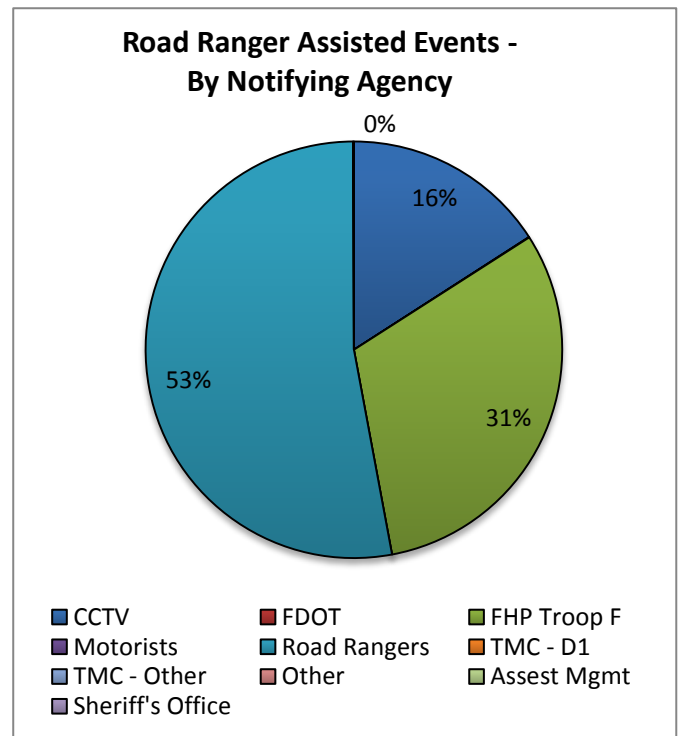
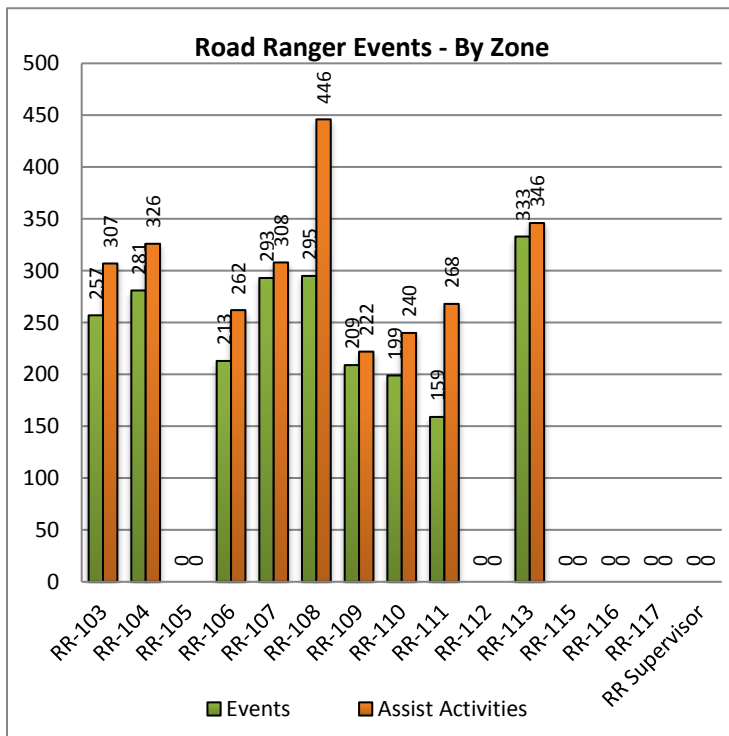
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	806
Lee	651
Charlotte	301
Sarasota	594
Manatee	460
Other	8
Totals	2820





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	257	307
RR-104	281	326
RR-105	0	0
RR-106	213	262
RR-107	293	308
RR-108	295	446
RR-109	209	222
RR-110	199	240
RR-111	159	268
RR-112	0	0
RR-113	333	346
RR-115	0	0
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2239	2725

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	442	15.7%
FDOT	1	0.0%
FHP Troop F	866	30.7%
Motorists	0	0.0%
Road Rangers	1470	52.1%
TMC - D1	2	0.1%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	0	0.0%
Sheriff's Office	0	0.0%
Waze	39	1.4%
Totals	2820	100.0%

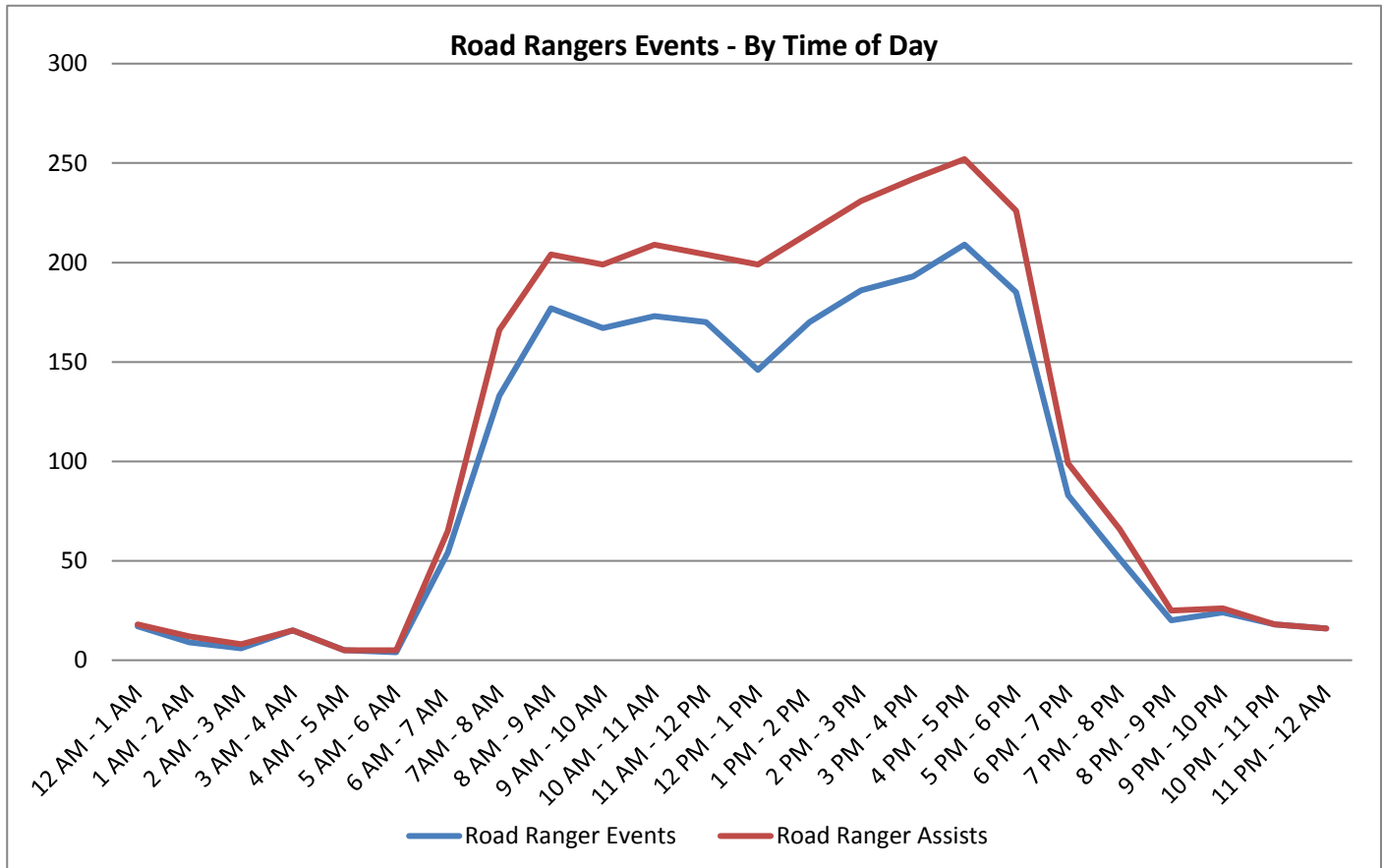




**22. Road Ranger Assisted Events -
By Time of Day:**

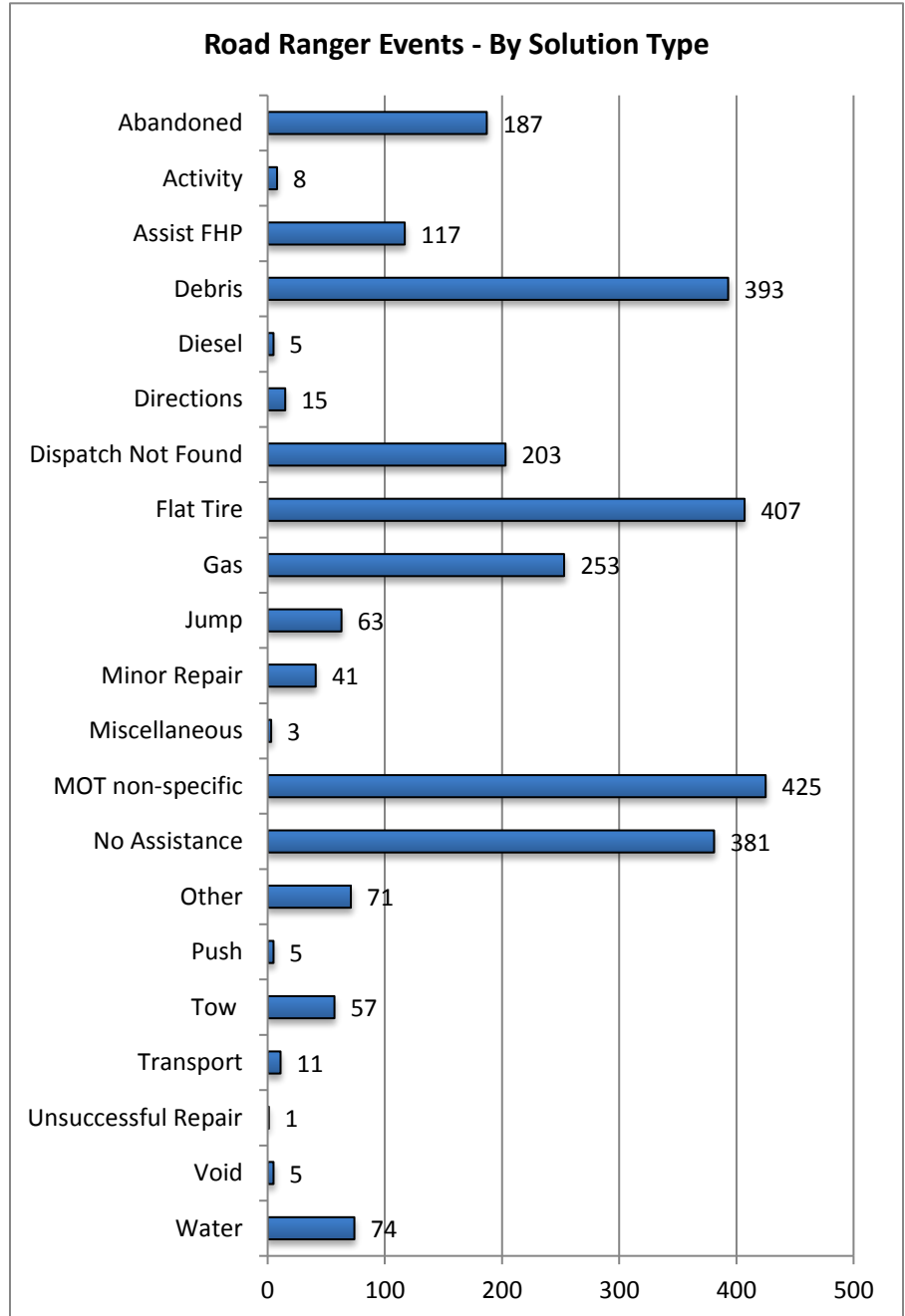
Time of Day	RR Events	RR Assists
12 AM - 1 AM	17	18
1 AM - 2 AM	9	12
2 AM - 3 AM	6	8
3 AM - 4 AM	15	15
4 AM - 5 AM	5	5
5 AM - 6 AM	4	5
6 AM - 7 AM	54	65
7 AM - 8 AM	133	166
8 AM - 9 AM	177	204
9 AM - 10 AM	167	199
10 AM - 11 AM	173	209
11 AM - 12 PM	170	204

Time of Day	RR Events	RR Assists
12 PM - 1 PM	146	199
1 PM - 2 PM	170	215
2 PM - 3 PM	186	231
3 PM - 4 PM	193	242
4 PM - 5 PM	209	252
5 PM - 6 PM	185	226
6 PM - 7 PM	83	99
7 PM - 8 PM	51	66
8 PM - 9 PM	20	25
9 PM - 10 PM	24	26
10 PM - 11 PM	18	18
11 PM - 12 AM	16	16
Totals	2231	2725





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	187
Absorbant	0
Activity	8
Assist FHP	117
Bleach	0
Cold Patch Asphalt	0
Debris	393
Deploy Cones	0
Diesel	5
Directions	15
Dispatch Not Found	203
Flare	0
Flat Tire	407
Flood Lamp	0
Gas	253
Jump	63
Livestock	0
Lockout	0
Minor Repair	41
Miscellaneous	3
MOT non-specific	425
No Assistance	381
Oil	0
Other	71
Phone	0
Portland Cement	0
Push	5
Radio	0
Tow	57
Translate	0
Transmission Fluid	0
Transport	11
Turbo Flare	0
Unsuccessful Repair	1
Void	5
Water	74
Wildlife	0
Total Assist Activities	2725



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