



This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for March 2016. 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:	
	5575

2. Number of Lane Blocking Events:	
	592

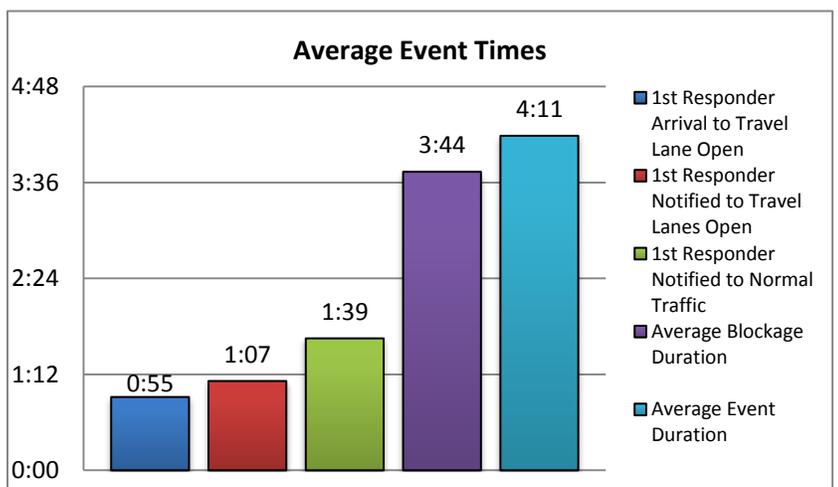
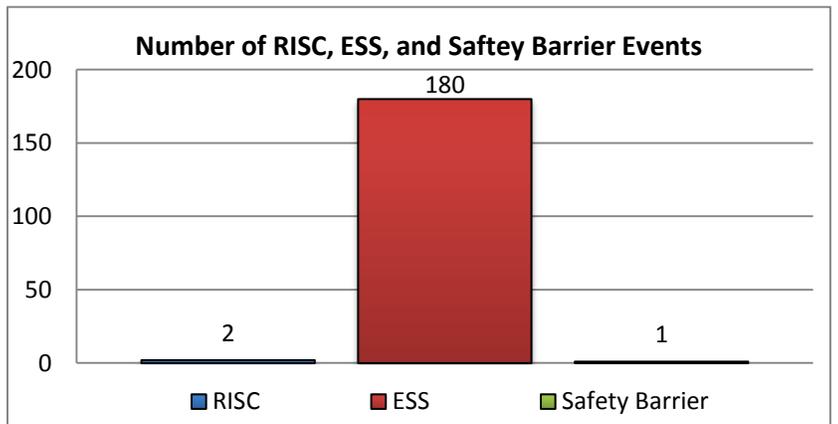
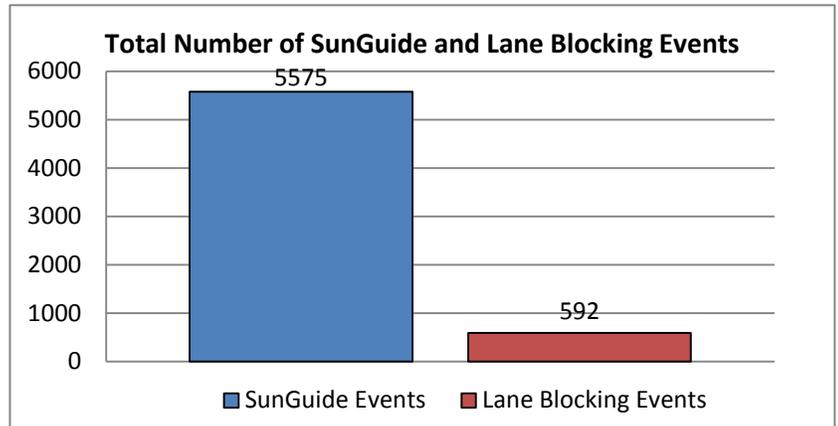
3. Number of RISC Events:	
	2

4. Number of ESS Events:	
	180

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	0:55
Average Incident Duration From First Responder Notified to Travel Lane Open	1:07
Average Incident Duration From First Responder Notified to Normal Traffic	1:39

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	5575
Number of Lane Blocking Events	592
Number of Secondary Incidents	142
Average Blockage Duration	3:44
Average Event Duration	4:11



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.



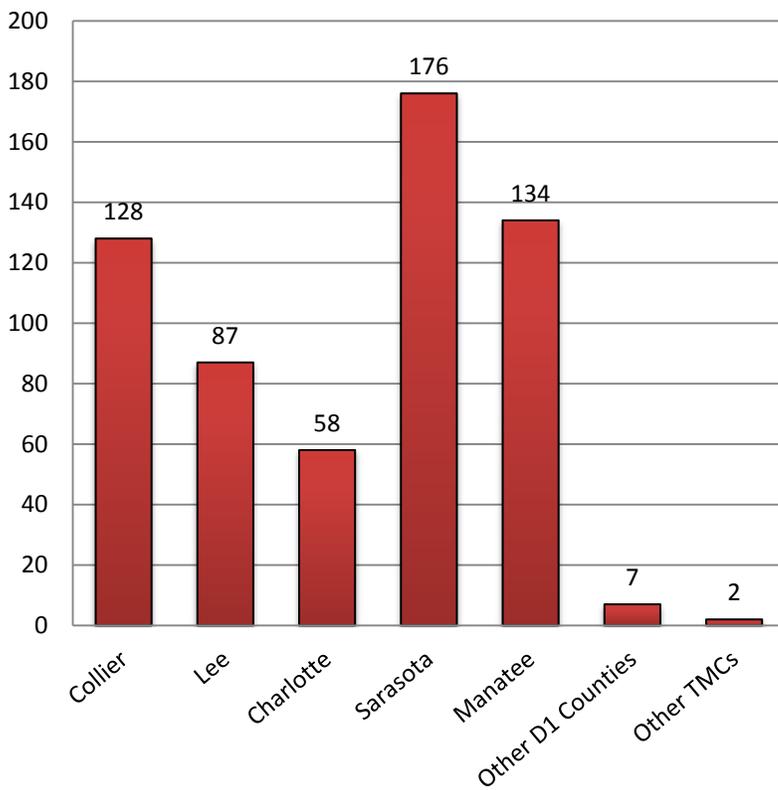
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	106	43	31	104	109	-
US-41	6	24	25	15	19	-
I-275	-	-	-	-	2	-
Arterials	16	20	2	57	4	7
Total Incidents	128	87	58	176	134	7

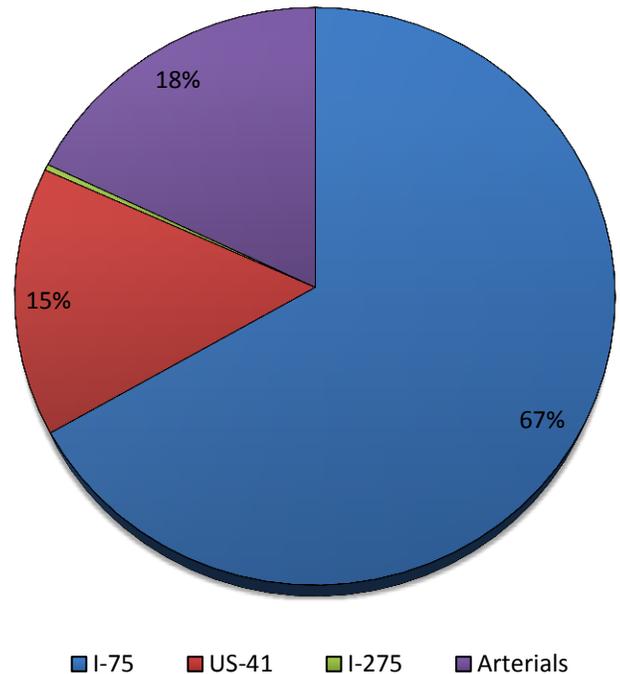
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	2	-	395
US-41	0	0	-	-	89
I-275	0	-	-	-	2
Arterials	0	0	0	0	106
Total Incidents	0	0	2	0	592

*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



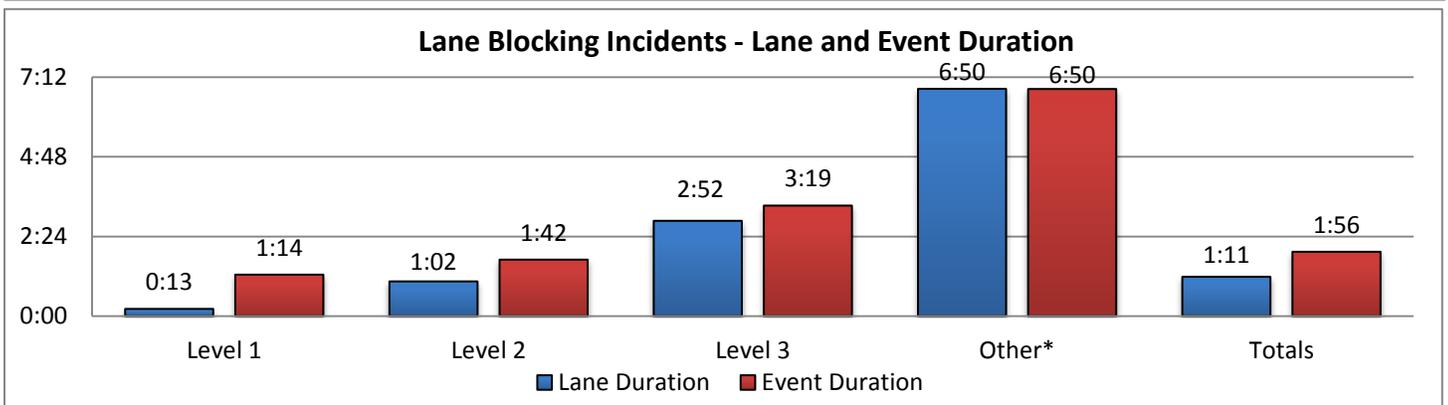
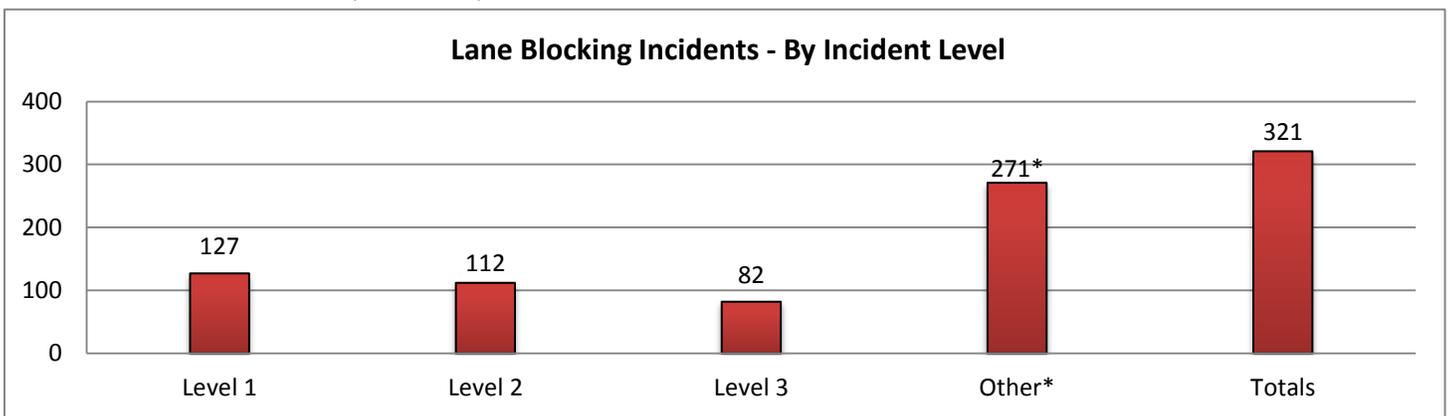


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	20	0:11	1:17	29	0:14	1:00	10	0:11	1:06	34	0:12	1:00
Level 2	11	1:03	1:41	22	1:02	1:29	12	1:08	1:55	38	1:03	1:42
Level 3	16	1:38	2:12	16	3:04	3:18	8	2:10	2:29	15	2:33	3:02
Other*	81*	7:59	8:08	20*	5:04	3:36	28*	7:37	7:43	89*	6:20	6:26
Totals	47	0:52	1:41	67	1:10	1:42	30	1:05	1:47	87	0:58	1:39

	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	34	0:15	1:44	0	0:00	0:00	0	0:00	0:00	127	0:13	1:14
Level 2	28	1:00	1:48	0	0:00	0:00	1	1:20	1:25	112	1:02	1:42
Level 3	20	2:06	2:42	6	8:48	9:18	1	9:51	9:55	82	2:52	3:19
Other*	52*	6:22	6:27	1*	0:00	0:00	0*	0:00	0:00	271*	6:50	6:50
Totals	82	0:57	1:59	6	8:48	9:18	2	5:35	5:40	321	1:11	1:56

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

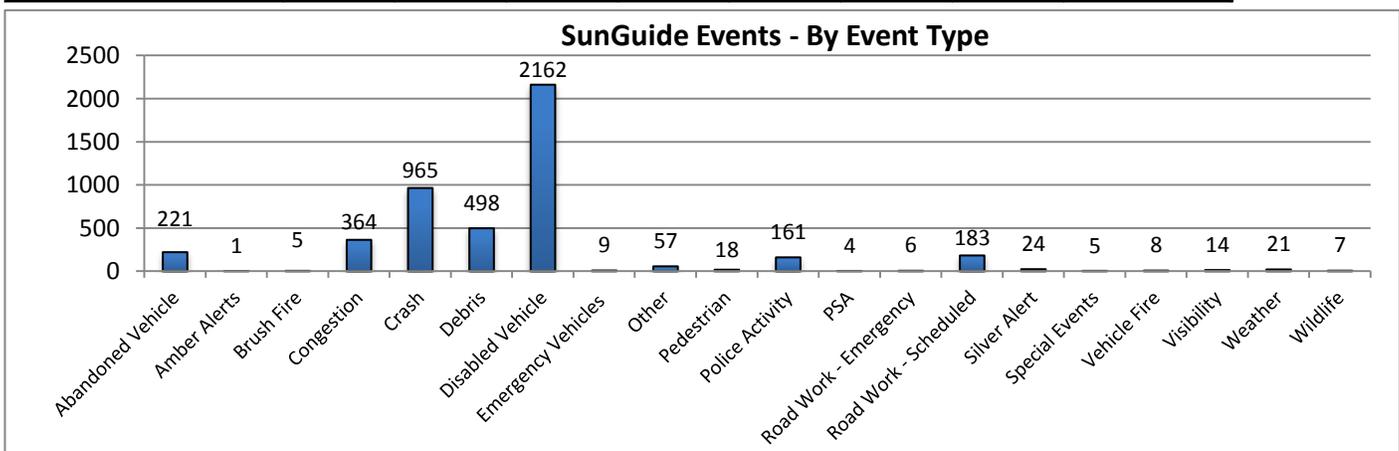




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	49	65	18	67	38	0	0	237
Amber Alerts	0	1	0	0	0	0	0	1
Bridge Work	0	1	0	0	0	0	0	1
Brush Fire	1	2	1	4	0	0	0	8
Congestion	30	111	12	116	162	0	0	431
Crash	85	258	54	324	318	10	1	1050
Debris	92	145	72	118	101	0	0	528
Disabled Vehicle	910	760	198	457	318	0	4	2647
Emergency Vehicles	5	4	2	8	3	0	0	22
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	0	0	0	0	2	0	2	4
LEO Alerts	0	0	0	0	0	0	0	0
Other	19	26	11	21	12	1	0	90
Pedestrian	3	5	1	7	7	0	0	23
Police Activity	59	47	27	25	9	0	0	167
PSA	0	0	0	14	11	0	0	25
Road Work - Emergency	0	1	1	0	0	0	0	2
Road Work - Scheduled	83	18	27	89	54	1	0	272
Silver Alert	0	16	0	0	0	0	0	16
Special Events	0	1	0	0	0	0	0	1
Vehicle Fire	4	1	2	3	4	0	0	14
Visibility	9	3	1	3	1	0	0	17
Weather	3	3	3	1	2	0	0	12
Wildlife	6	0	0	0	1	0	0	7
Total Incidents	1358	1468	430	1257	1043	12	7	5575

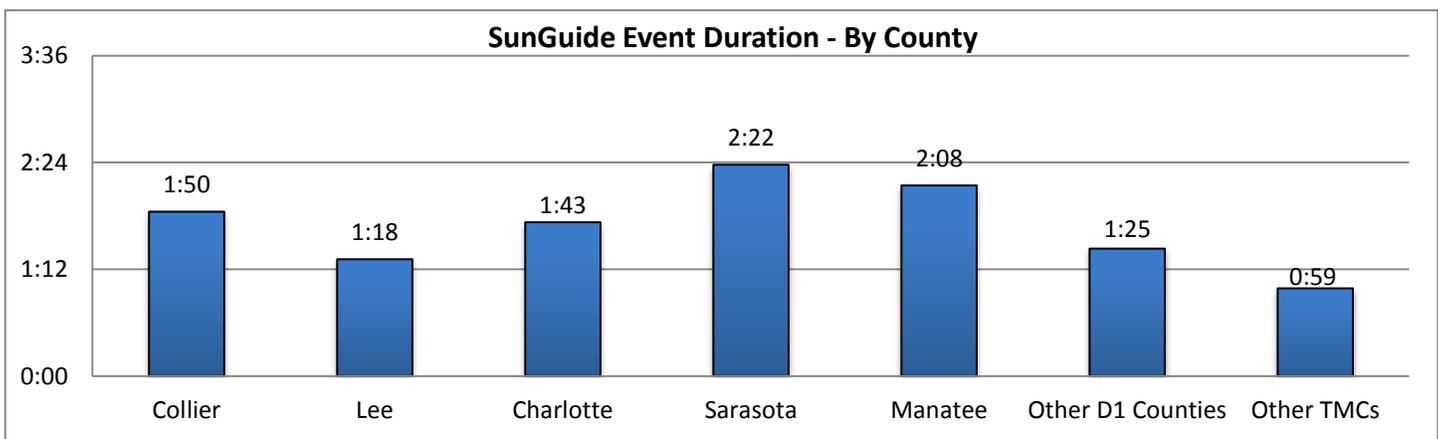
Note: Incident categories that are listed as zero are not included in the chart below.





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	12:24	8:30	10:04	10:04	6:34	0:00	0:00	9:33
Amber Alerts	0:00	6:26	0:00	0:00	0:00	0:00	0:00	6:26
Bridge Work	0:00	0:17	0:00	0:00	0:00	0:00	0:00	0:17
Brush Fire	0:09	0:18	0:27	0:16	0:00	0:00	0:00	0:17
Congestion	1:04	0:51	0:57	1:36	1:44	0:00	0:00	1:24
Crash	1:28	1:18	1:27	1:18	1:37	0:50	1:08	1:24
Debris	0:16	0:17	0:12	0:31	0:18	0:00	0:00	0:19
Disabled Vehicle	1:03	0:53	1:00	1:52	2:01	0:00	0:01	1:15
Emergency Vehicles	1:25	0:38	1:04	0:22	4:56	0:00	0:00	1:20
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	7:09	0:00	2:50	4:59
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:32	0:06	0:13	0:18	0:12	0:08	0:00	0:15
Pedestrian	1:07	0:57	0:19	0:30	0:25	0:00	0:00	0:38
Police Activity	0:25	0:32	0:48	0:29	0:12	0:00	0:00	0:30
PSA	0:00	0:00	0:00	10:15	11:26	0:00	0:00	10:46
Road Work - Emergency	0:00	5:49	2:02	0:00	0:00	0:00	0:00	3:55
Road Work - Scheduled	8:03	5:23	8:10	6:34	6:21	8:34	0:00	7:03
Silver Alert	0:00	4:26	0:00	0:00	0:00	0:00	0:00	4:26
Special Events	0:00	3:27	0:00	0:00	0:00	0:00	0:00	3:27
Vehicle Fire	1:55	0:36	2:05	5:03	0:31	0:00	0:00	2:07
Visibility	3:30	2:29	2:39	4:39	4:28	0:00	0:00	3:31
Weather	2:02	1:34	1:10	6:02	2:24	0:00	0:00	2:05
Wildlife	0:54	0:00	0:00	0:00	1:08	0:00	0:00	0:56
Total Incidents	1:50	1:18	1:43	2:22	2:08	1:25	0:59	1:52





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
3368	538	6	2:36

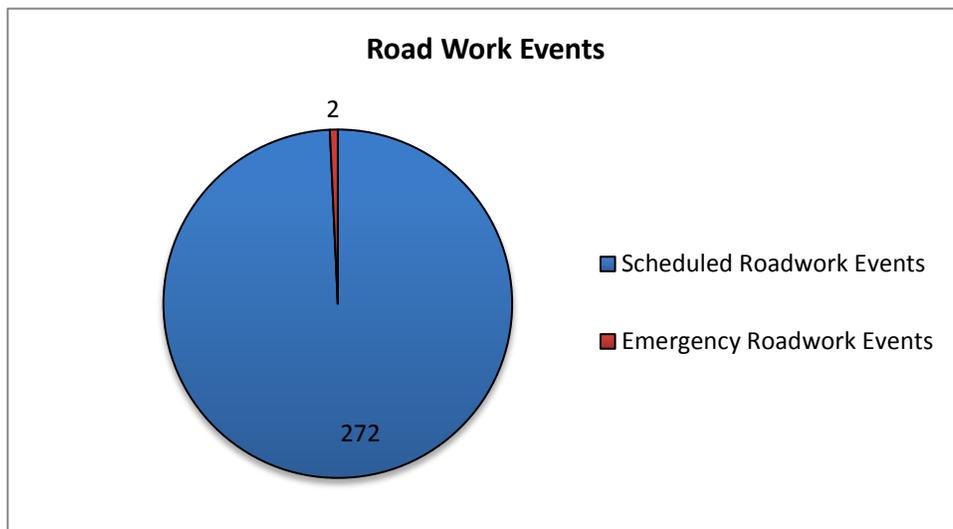
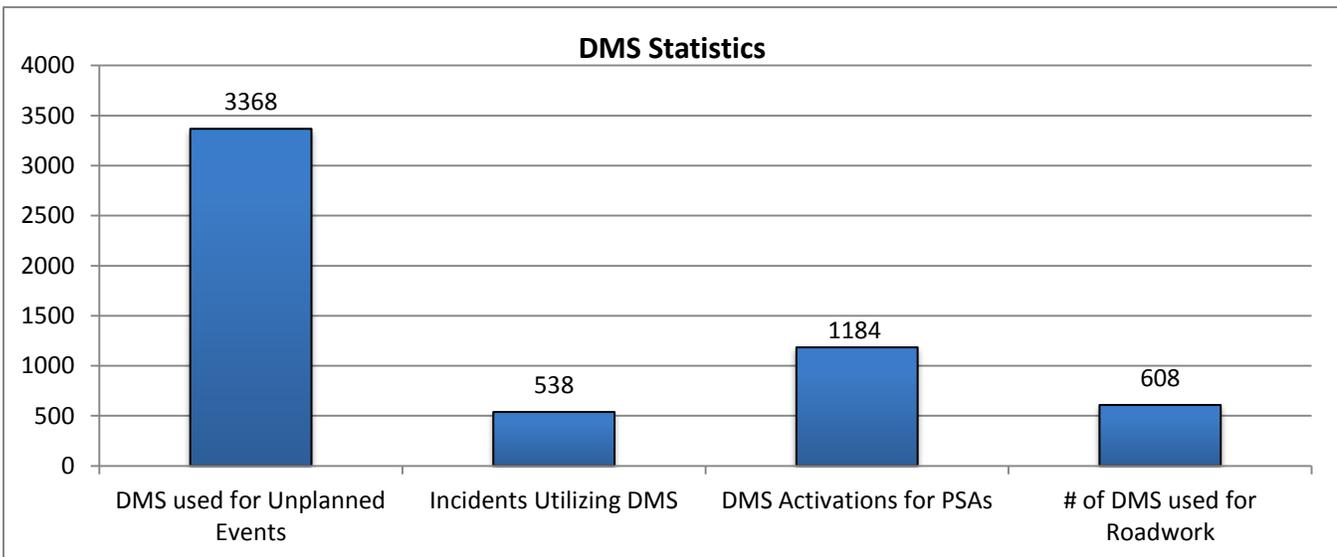
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
1184

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
272	2	274
# DMS Used for Road Work		Average # of DMS/Pattern
608		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	1	Mile <49	0
Mile 49-79.9	216	Mile 49-79.9	257
Mile 80-100.9	239	Mile 80-100.9	206
Mile 101-104.9	37	Mile 101-104.9	21
Mile 105-106.9	33	Mile 105-106.9	45
Mile 107-110.9	69	Mile 107-110.9	52
Mile 111-115.9	97	Mile 111-115.9	74
Mile 116-122.9	169	Mile 116-122.9	136
Mile 123-127.9	113	Mile 123-127.9	73
Mile 128-130.9	46	Mile 128-130.9	56
Mile 131-135.9	106	Mile 131-135.9	128
Mile 136 -137.9	31	Mile 136 -137.9	21
Mile 138 -138.9	32	Mile 138 -138.9	23
Mile 139 - 140.9	64	Mile 139 - 140.9	34
Mile 141 - 142.9	31	Mile 141 - 142.9	29
Mile 143 - 157.9	147	Mile 143 - 157.9	113
Mile 158 - 160.9	36	Mile 158 - 160.9	16
Mile 161 - 163.9	50	Mile 161 - 163.9	18
Mile 164 - 166.9	30	Mile 164 - 166.9	29
Mile 167 -169.9	25	Mile 167 -169.9	19
Mile 170 - 178.9	65	Mile 170 - 178.9	79
Mile 179 - 181.9	53	Mile 179 - 181.9	24
Mile 182 - 190.9	92	Mile 182 - 190.9	97
Mile 191 - 192.9	34	Mile 191 - 192.9	38
Mile 193 - 194.9	22	Mile 193 - 194.9	32
Mile 195 -199.9	48	Mile 195 -199.9	35
Mile 200 - 204.9	60	Mile 200 - 204.9	70
Mile 205 - 206.9	59	Mile 205 - 206.9	19
Mile 207 - 209.9	45	Mile 207 - 209.9	32
Mile 210 -212.9	120	Mile 210 -212.9	74
Mile 213 - 216.9	125	Mile 213 - 216.9	127
Mile 217 - 219.9	62	Mile 217 - 219.9	67
Mile 220 - 223.9	76	Mile 220 - 223.9	82
Mile 224 -227.9	70	Mile 224 -227.9	57
Mile 228 - 228.9	15	Mile 228 - 228.9	19
Mile 229 -229.9	1	Mile 229 -229.9	2
Mile 230 - 239.9	2	Mile 230 - 239.9	1
> Mile 240	0	> Mile 240	0
North Total	2521	South Total	2205

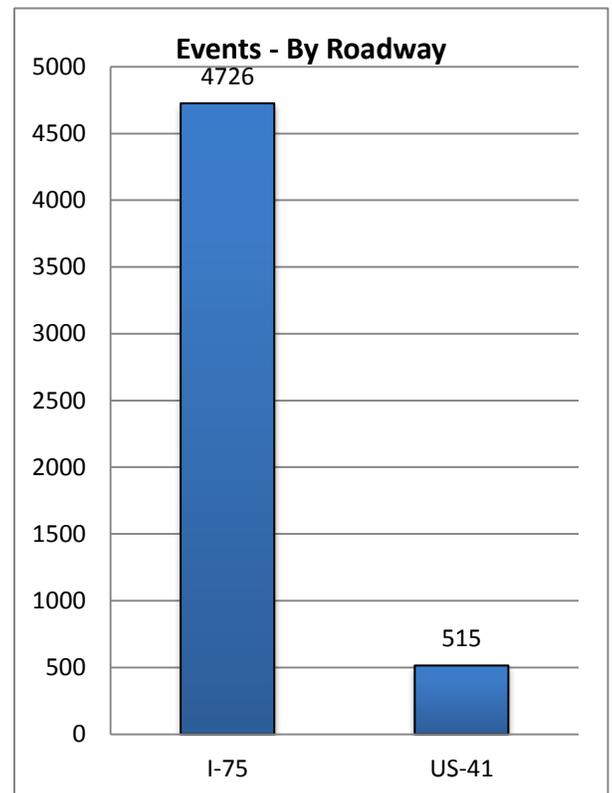
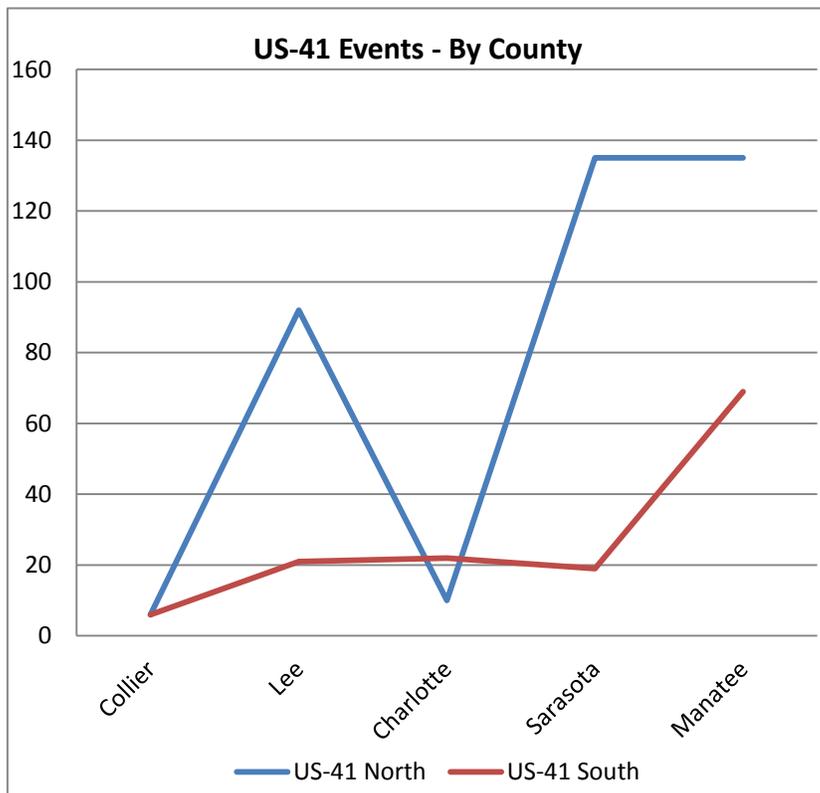
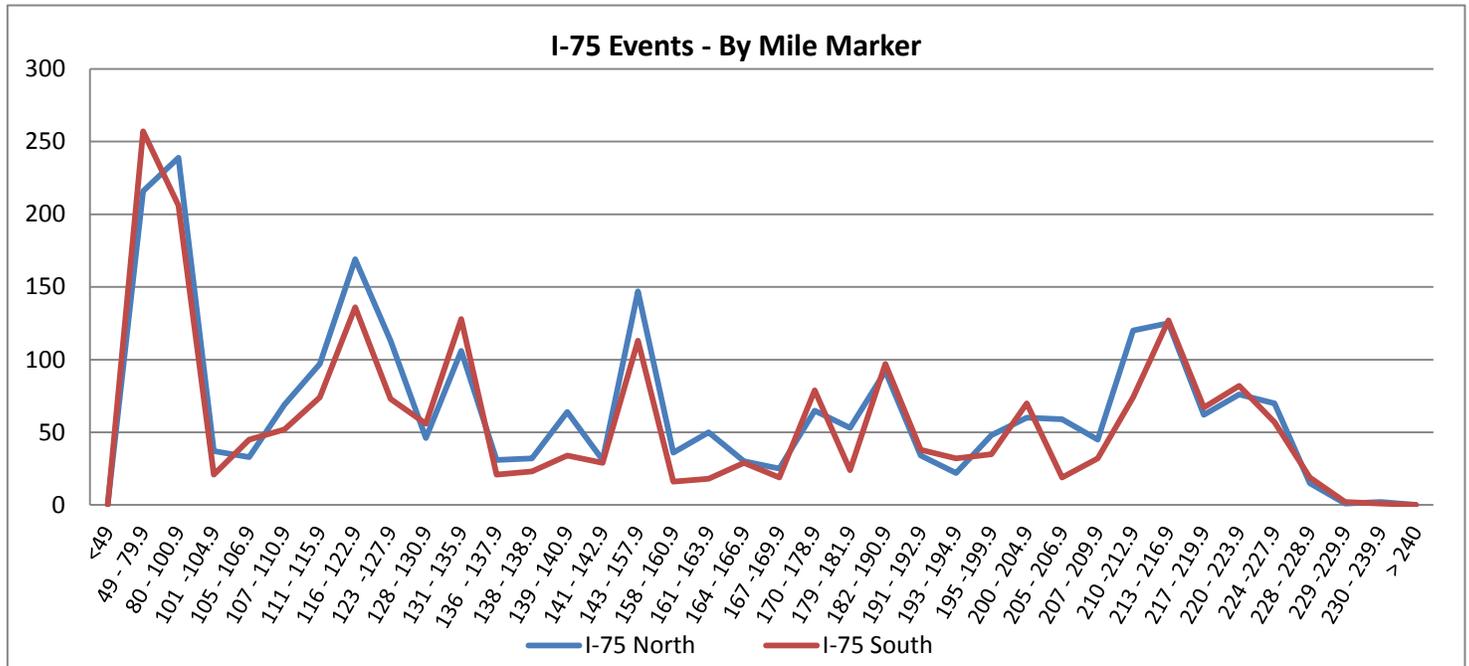
US-41 Northbound	
Collier	6
Lee	92
Charlotte	10
Sarasota	135
Manatee	135
North Total	378

US-41 Southbound	
Collier	6
Lee	21
Charlotte	22
Sarasota	19
Manatee	69
South Total	137

Total Events on US-41
515

Total Events on I-75
4726

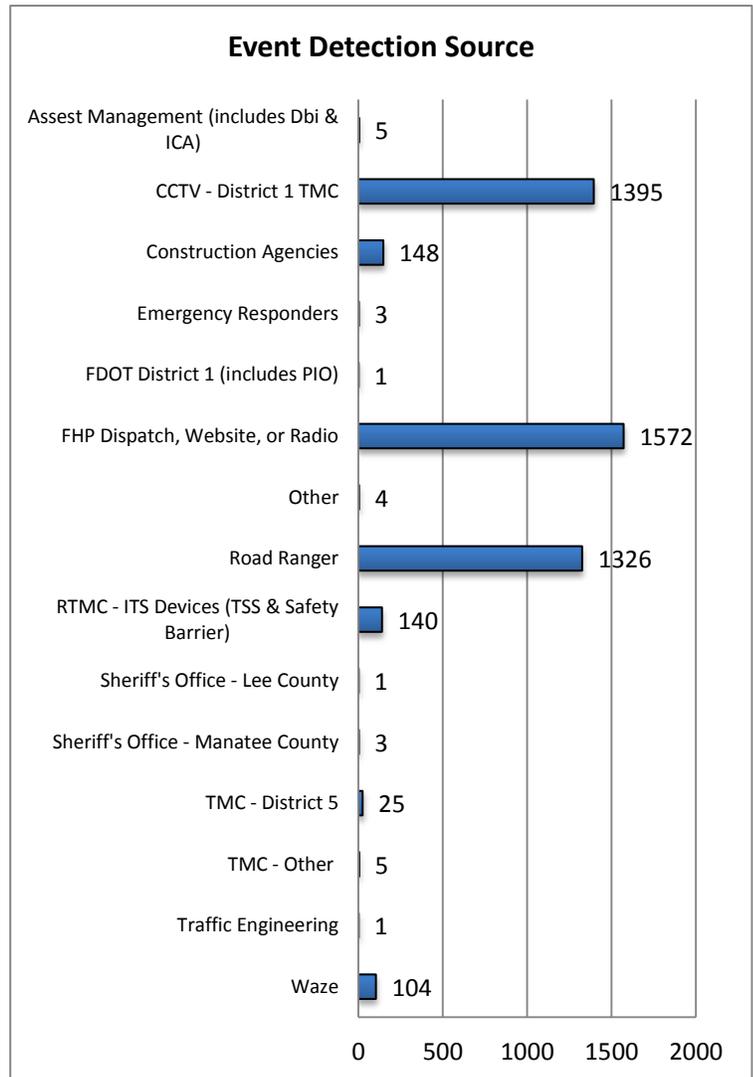
Note: The charts for these tables appear on the following page.





16. Event Detection Source:

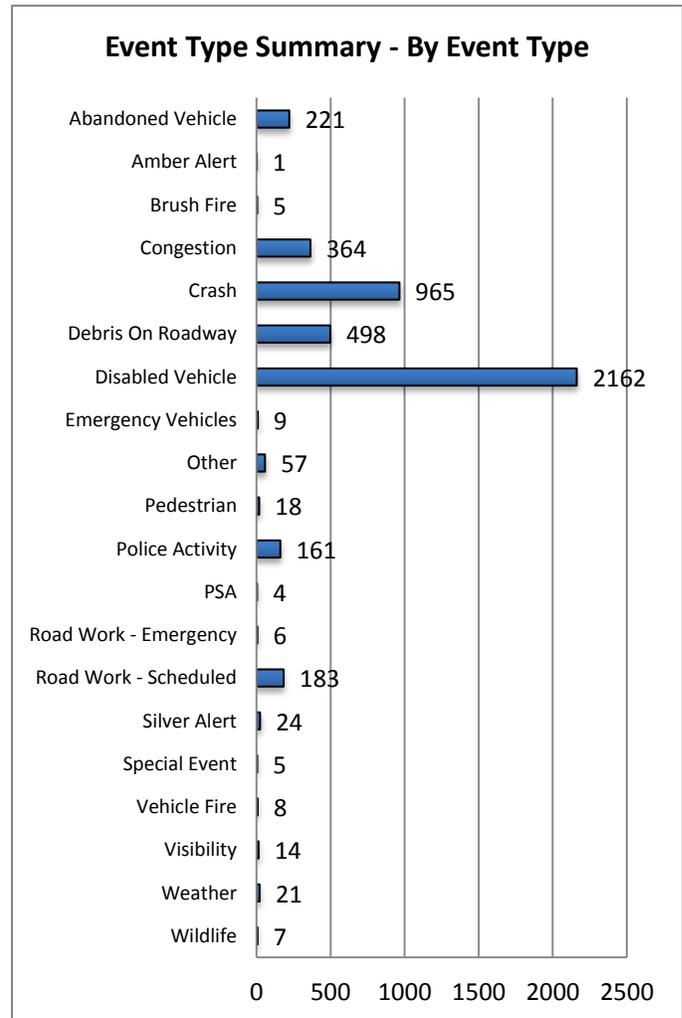
Assest Management (includes Dbi & ICA)	3	0.1%
CCTV - District 1 TMC	1738	31.2%
CCTV - Other	0	0.0%
Construction Agencies	249	4.5%
County and Local Law Enforcement	1	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	2	0.0%
FDOT Maintenance	1	0.0%
FHP Dispatch, Website, or Radio	1695	30.4%
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	1	0.0%
Other	1	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1552	27.8%
RTMC - ITS Devices (TSS & Safety Barrier)	188	3.4%
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	1	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	15	0.3%
TMC - District 7	1	0.0%
TMC - Other	6	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	5	0.1%
Waze	112	2.0%
Total Number of Incidents	5575	100.0%



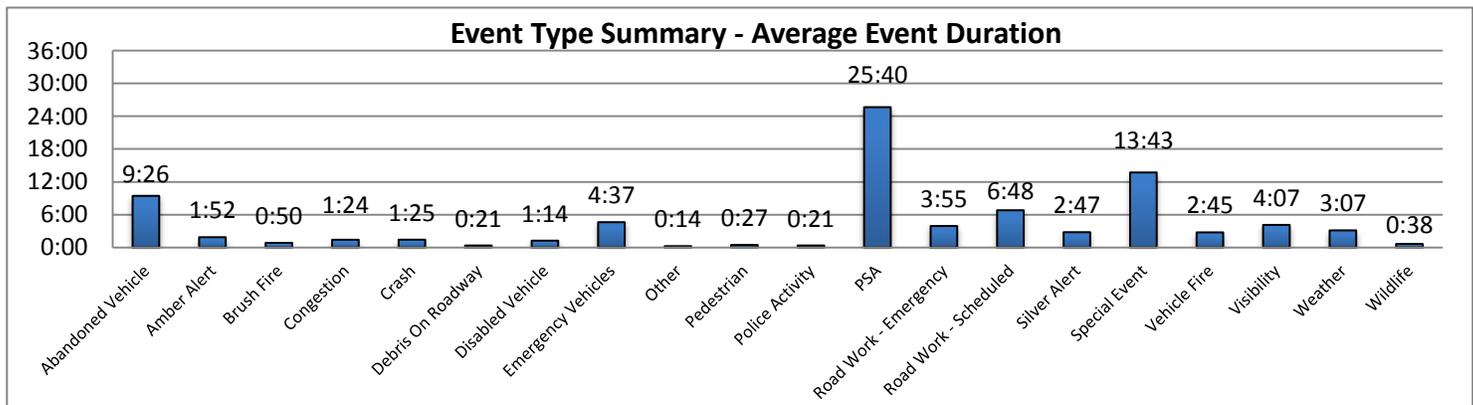
Note: Event Detection Source Categories listed as zero are not included in the above chart.



17. Event Type Summary			
Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	237	2:40	9:34
Amber Alert	1	0:00	6:06
Bridge Work	1	0:00	0:17
Brush Fire	8	0:10	0:17
Congestion	431	0:00	1:24
Crash	1050	1:02	1:25
Debris On Roadway	528	0:12	0:20
Disabled Vehicle	2647	0:21	1:15
Emergency Vehicles	22	0:25	1:20
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	4	0:00	6:24
LEO Alert	0	0:00	0:00
Other	90	0:07	0:16
Pedestrian	23	0:14	0:38
Police Activity	167	0:24	0:31
PSA	25	0:00	10:46
Road Work - Emergency	2	1:00	3:55
Road Work - Scheduled	272	0:11	9:26
Silver Alert	16	0:00	4:26
Special Event	1	0:00	3:27
Vehicle Fire	14	1:39	2:07
Visibility	17	0:00	3:32
Weather	12	0:00	2:06
Wildlife	7	0:10	0:56
Total Events	5575	0:39	3:12



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

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

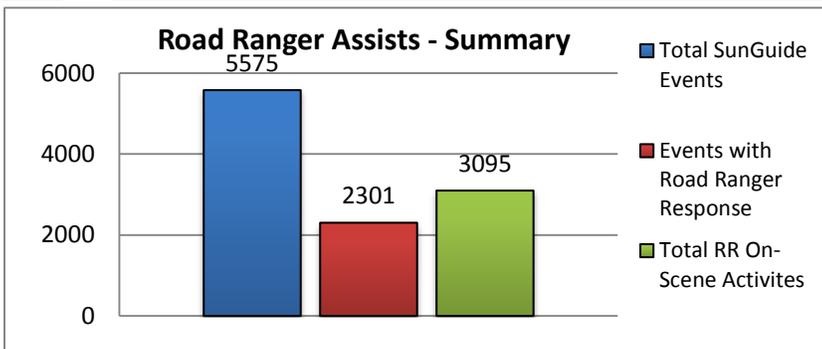
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

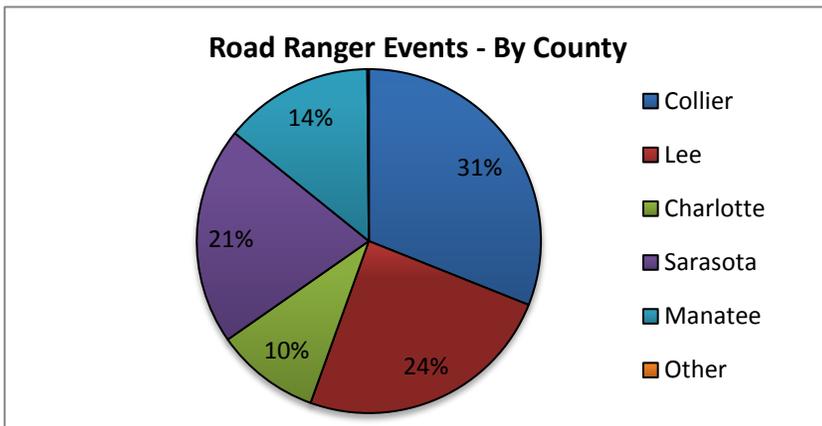
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	5575
Events with Road Ranger Response	2301
Total RR On-Scene Activities	3095
Average Activities/Assisted Event	1.35
% of Events Assisted	41.27%



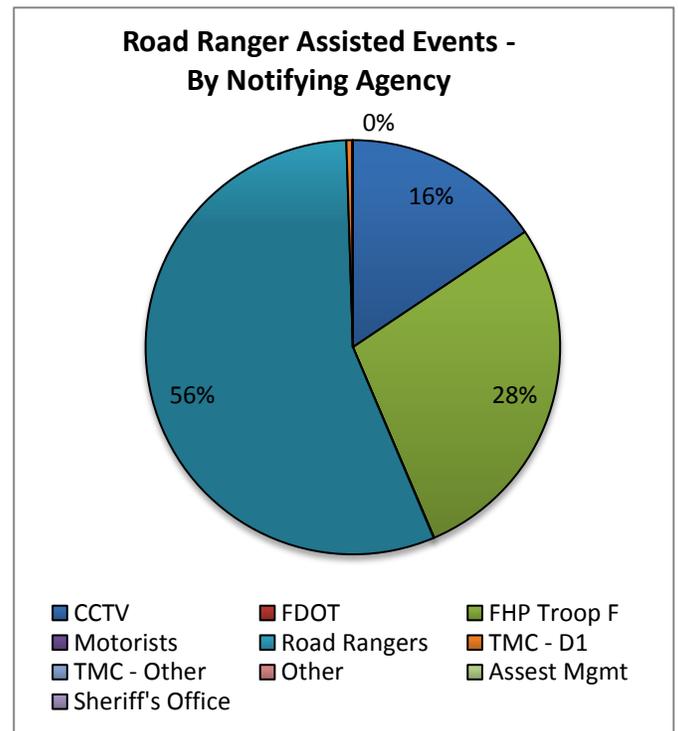
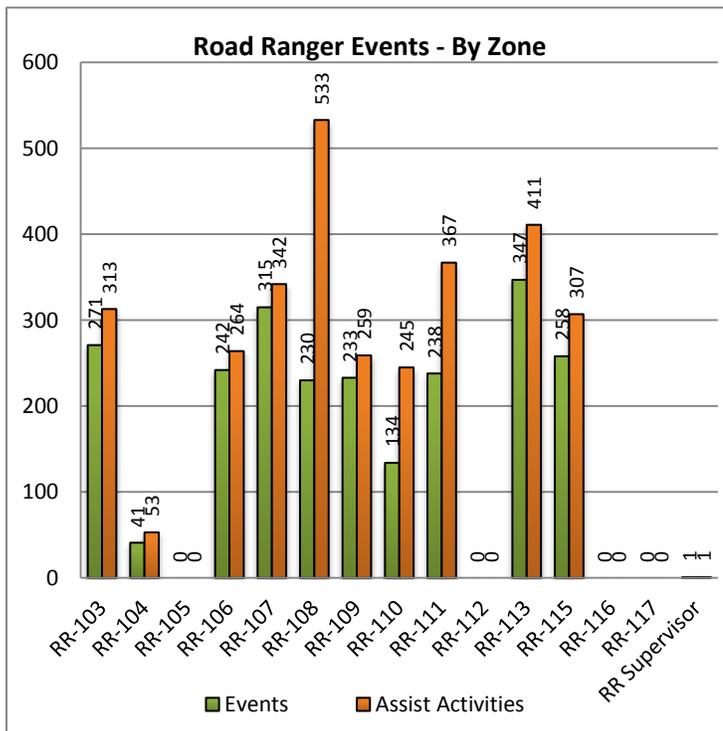
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	875
Lee	689
Charlotte	276
Sarasota	578
Manatee	396
Other	4
Totals	2818





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	271	313
RR-104	41	53
RR-105	0	0
RR-106	242	264
RR-107	315	342
RR-108	230	533
RR-109	233	259
RR-110	134	245
RR-111	238	367
RR-112	0	0
RR-113	347	411
RR-115	258	307
RR-116	0	0
RR-117	0	0
RR Supervisor	1	1
Totals	2310	3095

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	432	15.3%
FDOT	0	0.0%
FHP Troop F	775	27.5%
Motorists	1	0.0%
Road Rangers	1547	54.9%
TMC - D1	13	0.5%
TMC - Other	0	0.0%
Other	1	0.0%
Assest Mgmt	0	0.0%
Sheriff's Office	0	0.0%
Waze	49	1.7%
Totals	2818	100.0%

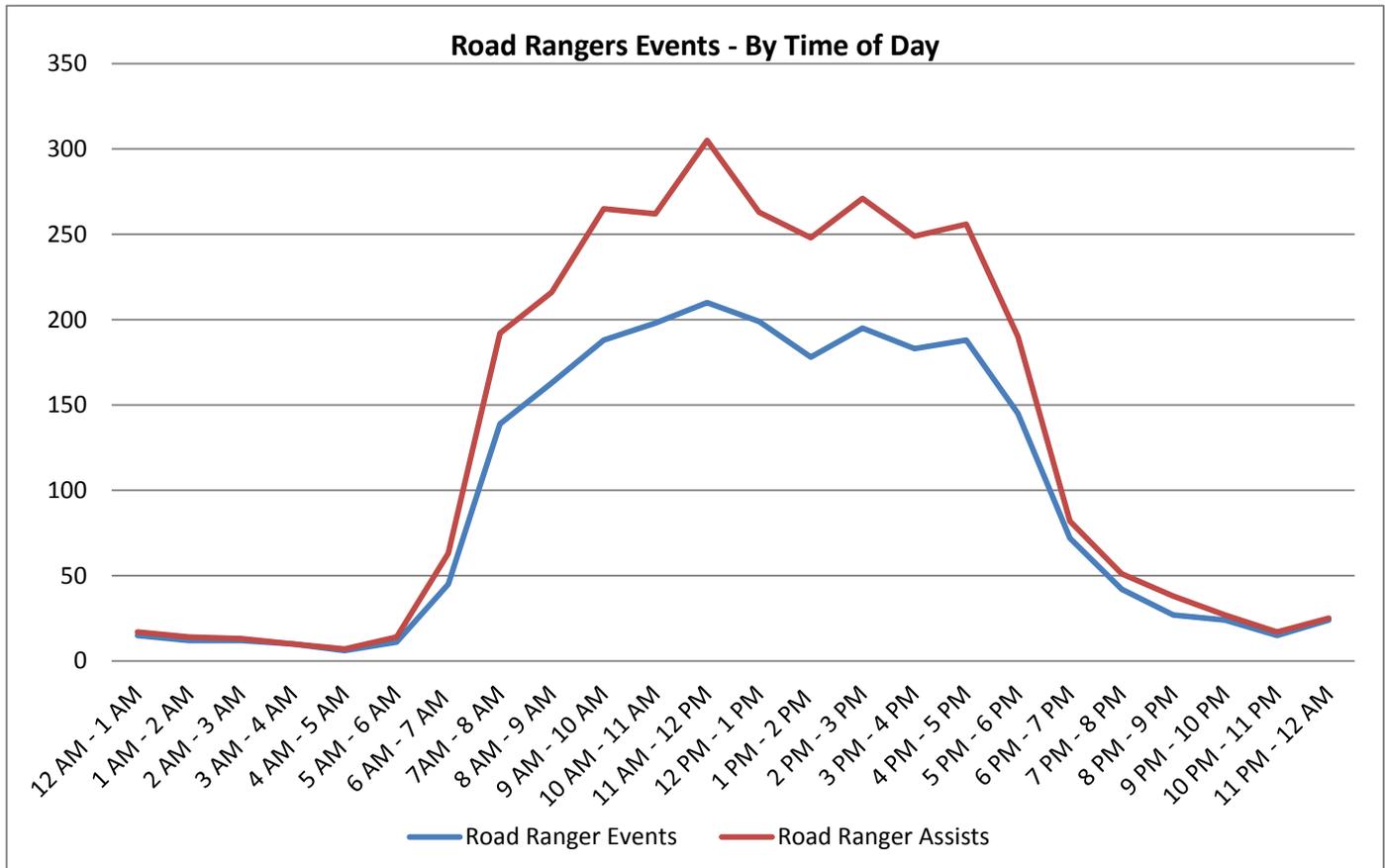




**22. Road Ranger Assisted Events -
By Time of Day:**

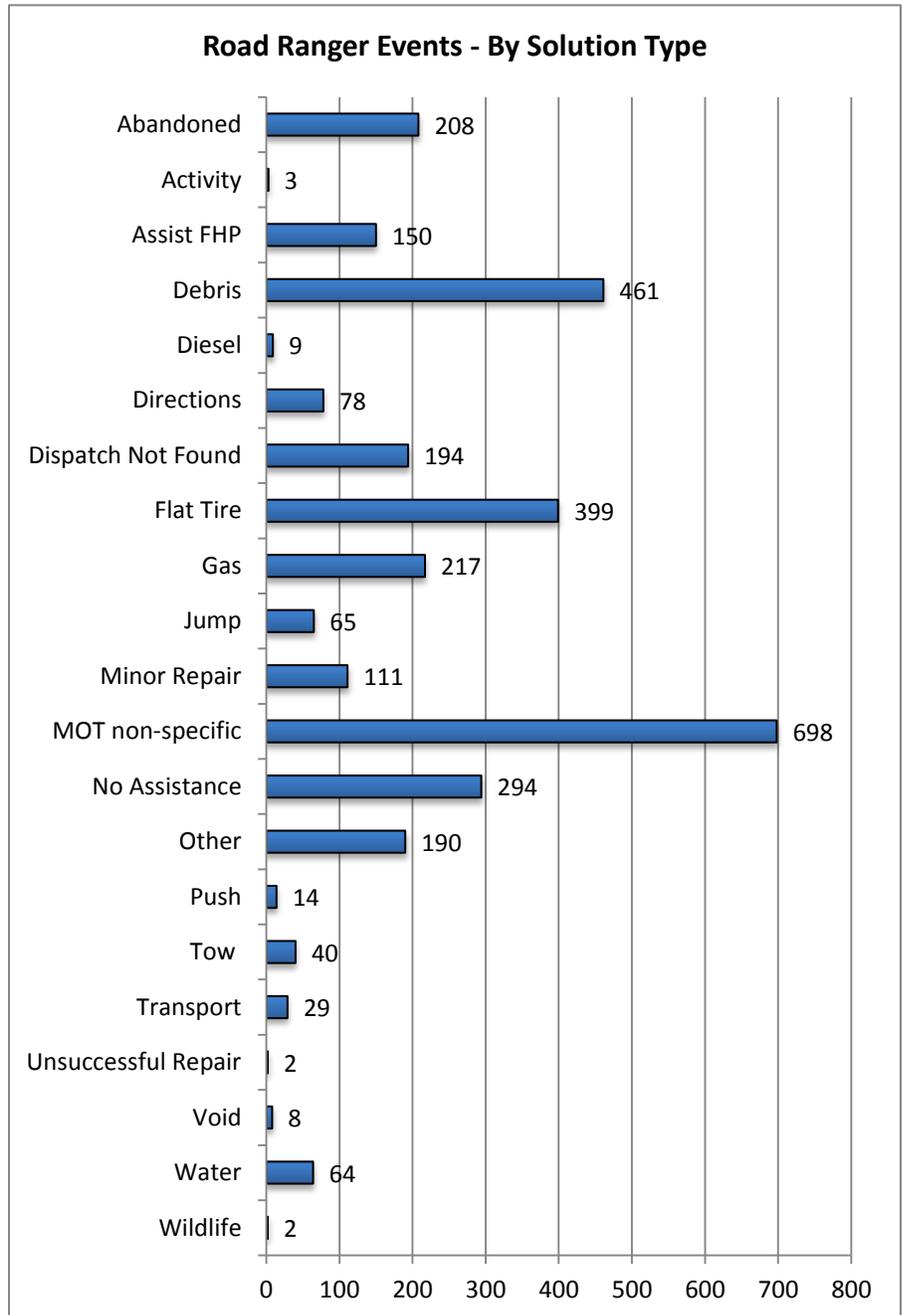
Time of Day	RR Events	RR Assists
12 AM - 1 AM	15	17
1 AM - 2 AM	12	14
2 AM - 3 AM	12	13
3 AM - 4 AM	10	10
4 AM - 5 AM	6	7
5 AM - 6 AM	11	14
6 AM - 7 AM	45	63
7 AM - 8 AM	139	192
8 AM - 9 AM	163	216
9 AM - 10 AM	188	265
10 AM - 11 AM	198	262
11 AM - 12 PM	210	305

Time of Day	RR Events	RR Assists
12 PM - 1 PM	199	263
1 PM - 2 PM	178	248
2 PM - 3 PM	195	271
3 PM - 4 PM	183	249
4 PM - 5 PM	188	256
5 PM - 6 PM	145	190
6 PM - 7 PM	72	82
7 PM - 8 PM	42	51
8 PM - 9 PM	27	38
9 PM - 10 PM	24	27
10 PM - 11 PM	15	17
11 PM - 12 AM	24	25
Totals	2301	3095





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	193
Absorbant	0
Activity	10
Assist FHP	131
Bleach	0
Cold Patch Asphalt	0
Debris	401
Deploy Cones	1
Diesel	6
Directions	41
Dispatch Not Found	178
Flare	0
Flat Tire	394
Flood Lamp	0
Gas	238
Jump	82
Livestock	0
Lockout	0
Minor Repair	103
Miscellaneous	1
MOT non-specific	699
No Assistance	307
Oil	0
Other	168
Phone	0
Portland Cement	0
Push	12
Radio	0
Tow	26
Translate	0
Transmission Fluid	0
Transport	14
Turbo Flare	0
Unsuccessful Repair	0
Void	6
Water	83
Wildlife	1
Total Assist Activities	3095



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