

This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for July 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:	
	4915

2. Number of Lane Blocking Events:	
	451

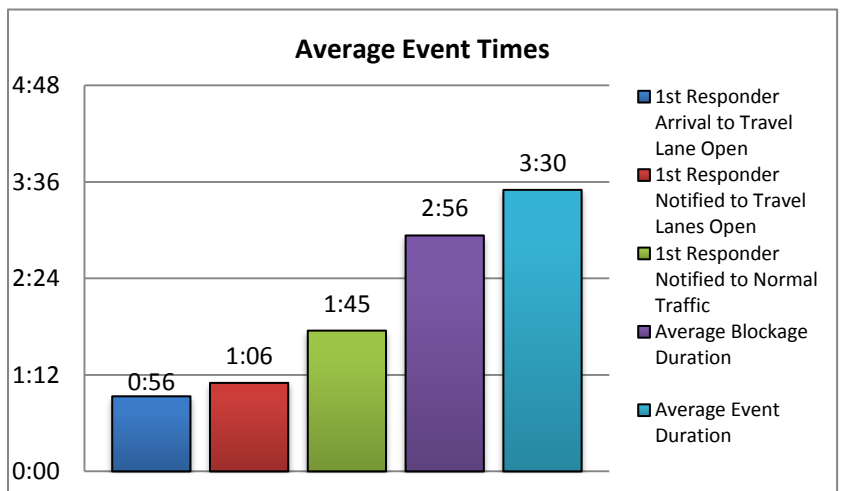
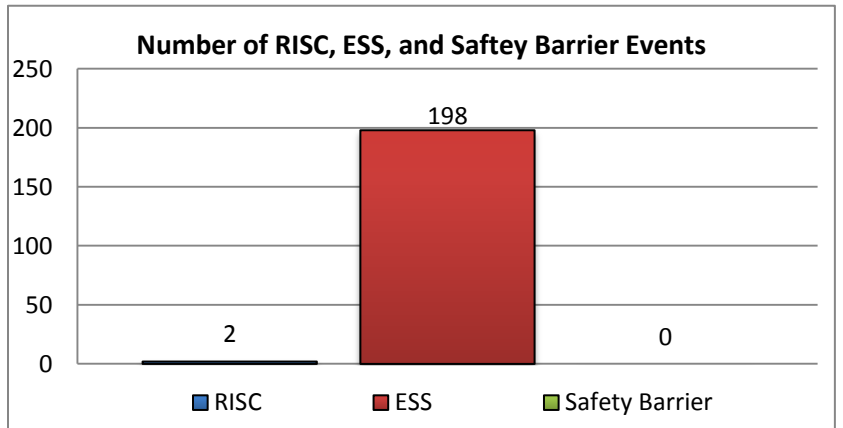
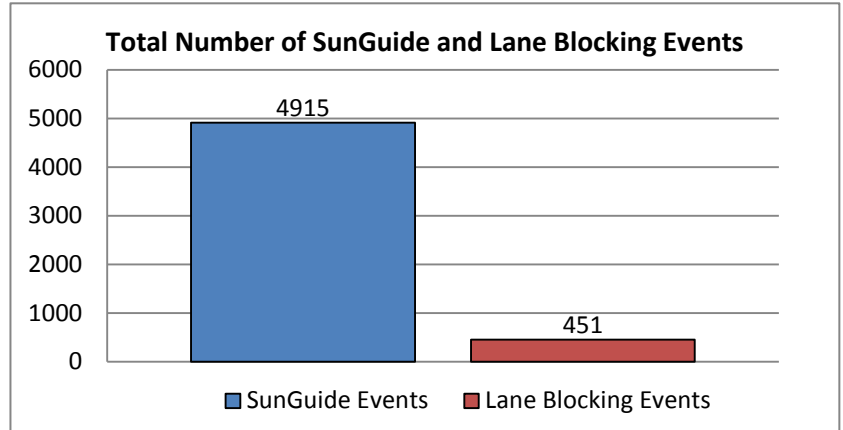
3. Number of RISC Events:	
	2

4. Number of ESS Events:	
	198

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	0:56
Average Incident Duration From First Responder Notified to Travel Lane Open	1:06
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	4915
Number of Lane Blocking Events	451
Number of Secondary Incidents	93
Average Blockage Duration	2:56
Average Event Duration	3:30



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.



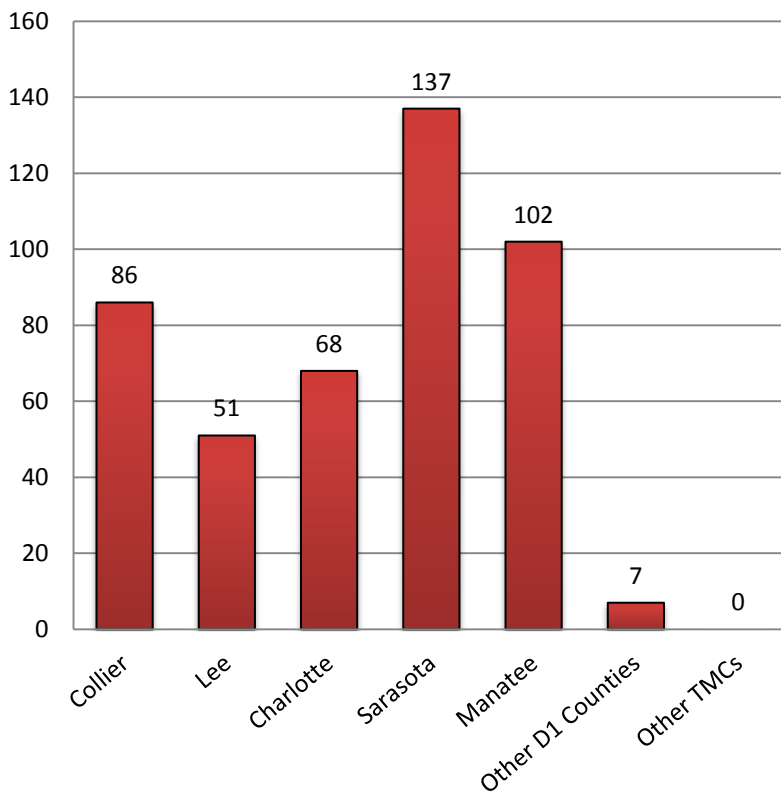
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	76	32	40	82	75	-
US-41	8	7	25	28	17	-
I-275	-	-	-	-	0	-
Arterials	2	12	3	27	10	7
Total Incidents	86	51	68	137	102	7

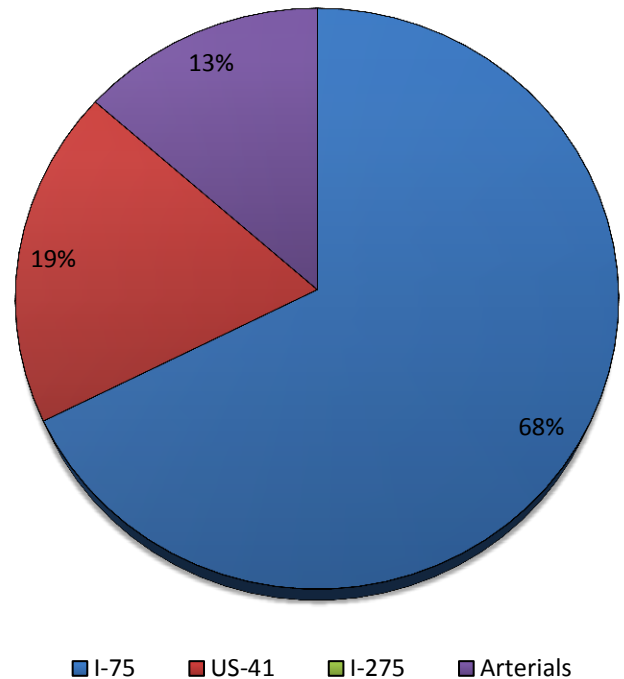
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	305
US-41	0	0	-	-	85
I-275	0	-	-	-	0
Arterials	0	0	0	0	61
Total Incidents	0	0	0	0	451

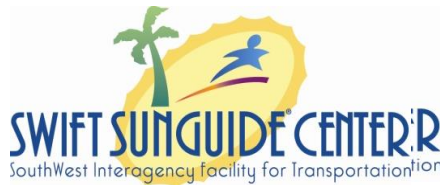
*These are incidents that occurred outside of the District 1 coverage area but requires SWIFT SunGuide assistance.

Lane Blocking Incidents - By County



Lane Blocking Incidents - By Roadway



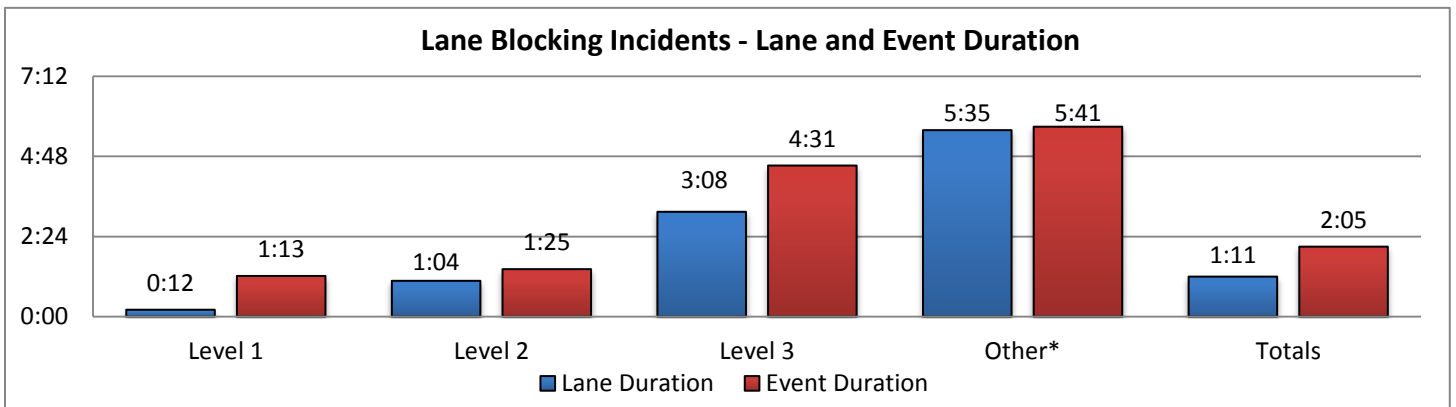
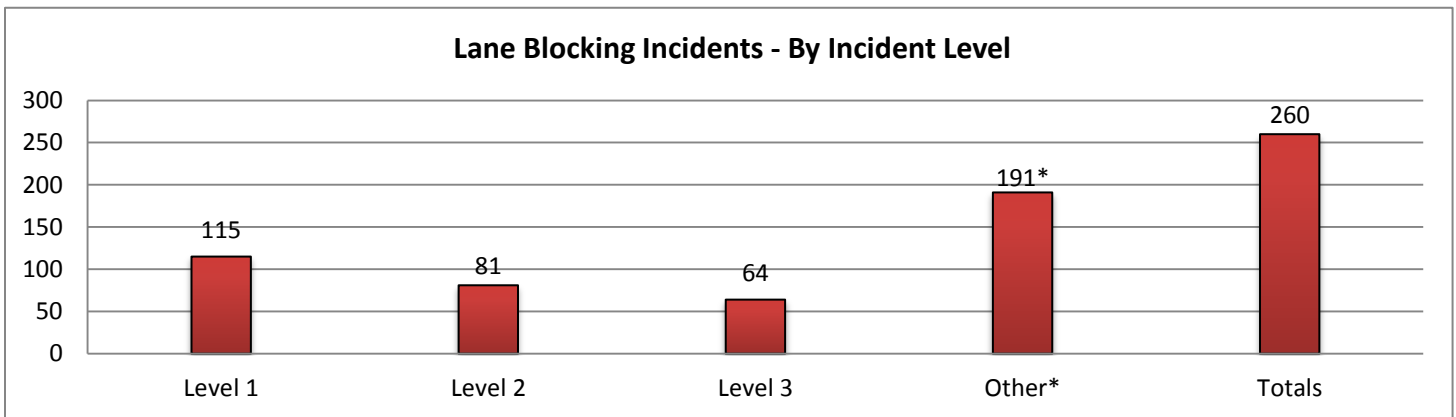


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	17	0:15	1:38	23	0:14	0:50	11	0:09	0:53	42	0:13	1:24
Level 2	6	0:55	1:09	19	1:02	1:15	9	1:12	1:19	24	1:04	1:23
Level 3	14	2:16	5:19	6	2:21	2:51	7	0:45	1:52	14	2:05	3:02
Other*	49*	8:27	8:34	3*	3:16	3:09	41*	4:55	5:03	57*	4:47	4:53
Totals	37	1:07	2:56	48	0:48	1:15	27	0:39	1:16	80	0:47	1:40

	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	22	0:09	1:07	0	0:00	0:00	0	0:00	0:00	115	0:12	1:13
Level 2	23	1:06	1:43	0	0:00	0:00	0	0:00	0:00	81	1:04	1:25
Level 3	18	3:03	4:11	5	13:10	13:28	0	0:00	0:00	64	3:08	4:31
Other*	39*	4:20	4:25	2*	0:00	0:00	0*	0:00	0:00	191*	5:35	5:41
Totals	63	1:19	2:12	5	13:10	13:28	0	0:00	0:00	260	1:11	2:05

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

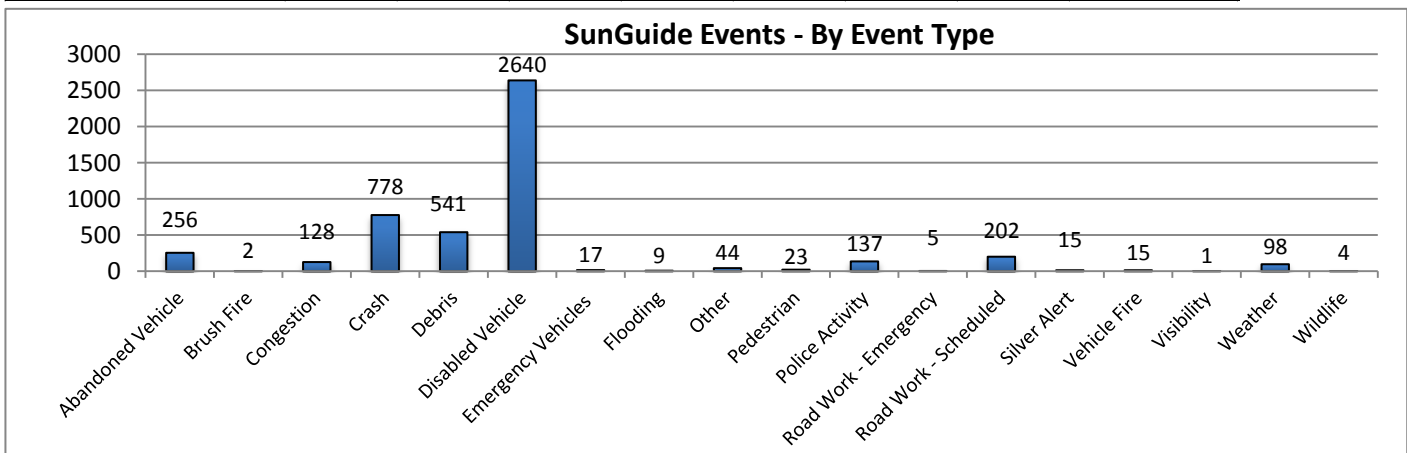




10. SunGuide Events - by Event Type:

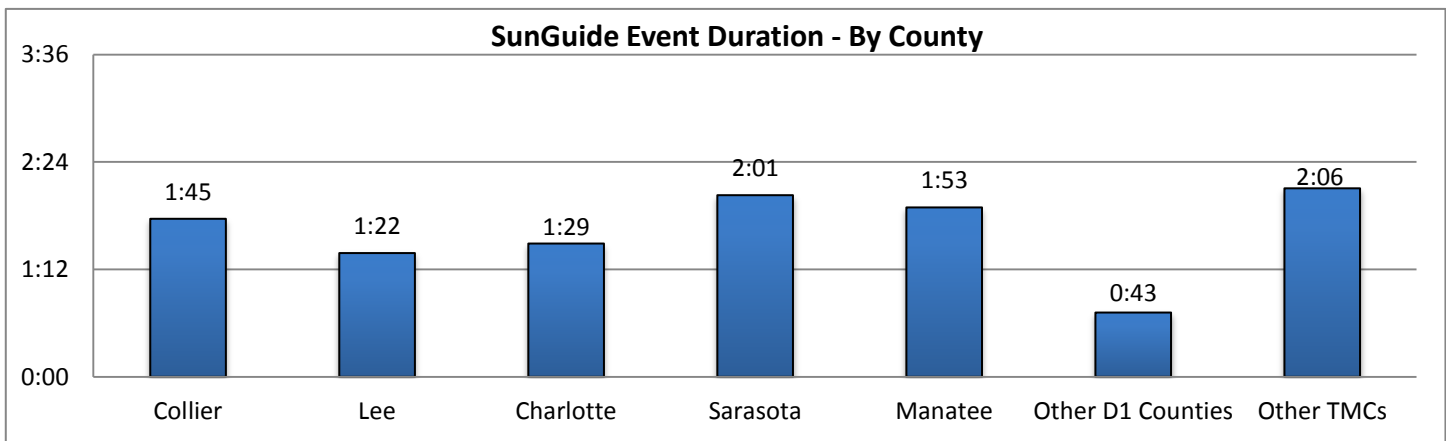
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	46	79	22	68	40	0	1	256
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	1	0	0	1	0	0	0	2
Congestion	13	16	1	21	77	0	0	128
Crash	69	169	37	268	226	8	1	778
Debris	95	130	75	151	90	0	0	541
Disabled Vehicle	919	686	211	497	323	0	4	2640
Emergency Vehicles	2	4	3	5	3	0	0	17
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	3	6	0	0	9
Interagency Coord.	0	0	0	0	0	0	0	0
LEO Alerts	0	0	0	0	0	0	0	0
Other	2	19	7	14	1	1	0	44
Pedestrian	3	7	1	9	3	0	0	23
Police Activity	42	60	13	12	10	0	0	137
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	3	0	0	1	1	0	0	5
Road Work - Scheduled	50	1	51	56	41	3	0	202
Silver Alert	0	15	0	0	0	0	0	15
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	5	3	2	2	3	0	0	15
Visibility	1	0	0	0	0	0	0	1
Weather	20	22	11	27	18	0	0	98
Wildlife	2	1	1	0	0	0	0	4
Total Incidents	1273	1212	435	1135	842	12	6	4915

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	12:41	6:07	4:21	8:36	6:56	0:00	10:56	7:57
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	0:12	0:00	0:00	0:27	0:00	0:00	0:00	0:19
Congestion	0:26	0:53	1:22	0:51	1:22	0:00	0:00	1:07
Crash	2:10	1:16	1:32	1:21	1:37	1:03	0:32	1:29
Debris	0:20	0:20	0:14	0:30	0:23	0:00	0:00	0:22
Disabled Vehicle	1:02	1:05	0:58	1:45	1:39	0:00	0:17	1:15
Emergency Vehicles	0:10	0:46	0:20	0:27	0:15	0:00	0:00	0:26
Evacuation	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Flooding	0:00	0:00	0:00	3:21	5:55	0:00	0:00	5:03
Interagency Coord.	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:32	0:36	0:17	0:19	0:03	0:04	0:00	0:25
Pedestrian	0:09	0:52	0:04	0:30	0:25	0:00	0:00	0:32
Police Activity	0:28	0:28	0:25	0:43	1:33	0:00	0:00	0:33
PSA	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Emergency	2:08	0:00	0:00	6:12	4:18	0:00	0:00	3:22
Road Work - Scheduled	8:25	6:58	4:23	4:59	4:19	0:02	0:00	5:28
Silver Alert	0:00	3:59	0:00	0:00	0:00	0:00	0:00	3:59
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	2:08	0:57	0:48	1:39	0:59	0:00	0:00	1:25
Visibility	1:20	0:00	0:00	0:00	0:00	0:00	0:00	1:20
Weather	3:13	2:42	3:26	2:45	2:15	0:00	0:00	2:49
Wildlife	0:59	0:05	0:59	0:00	0:00	0:00	0:00	0:45
Total Incidents	1:45	1:22	1:29	2:01	1:53	0:43	2:06	1:43





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
2592	272	10	2:47

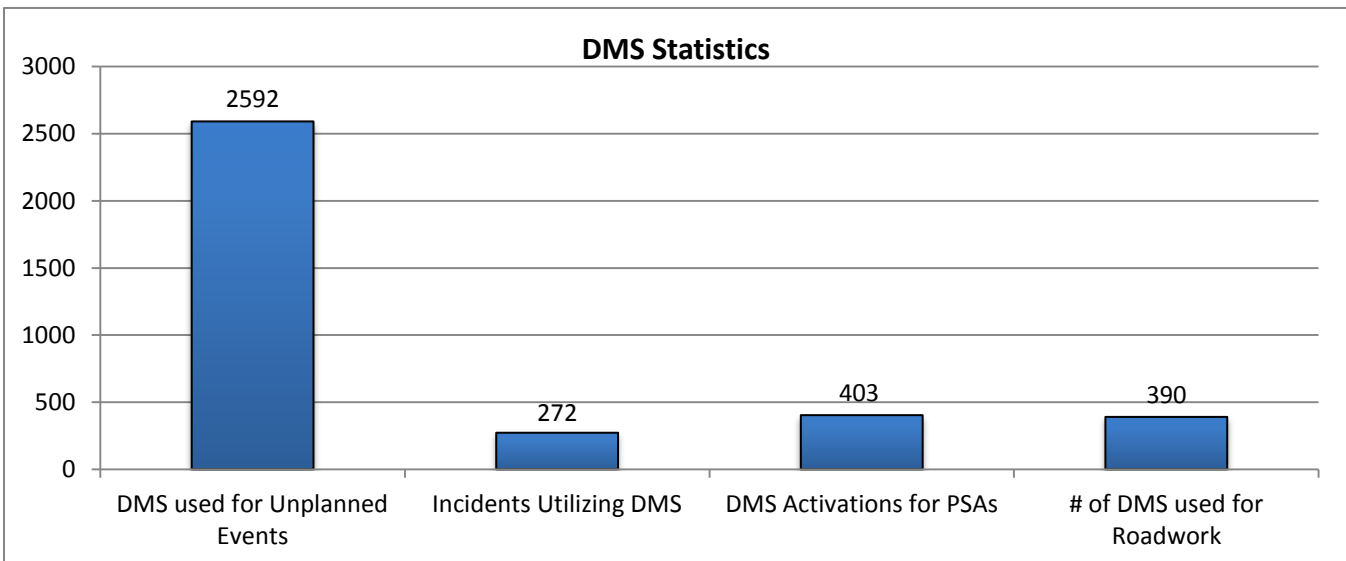
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
403

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
202	5	207
# DMS Used for Road Work		Average # of DMS/Pattern
390		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	2	Mile <49	0
Mile 49-79.9	198	Mile 49-79.9	254
Mile 80-100.9	278	Mile 80-100.9	197
Mile 101-104.9	28	Mile 101-104.9	15
Mile 105-106.9	22	Mile 105-106.9	33
Mile 107-110.9	70	Mile 107-110.9	62
Mile 111-115.9	56	Mile 111-115.9	48
Mile 116-122.9	124	Mile 116-122.9	139
Mile 123-127.9	105	Mile 123-127.9	71
Mile 128-130.9	49	Mile 128-130.9	55
Mile 131-135.9	104	Mile 131-135.9	70
Mile 136 -137.9	21	Mile 136 -137.9	29
Mile 138 -138.9	30	Mile 138 -138.9	9
Mile 139 - 140.9	34	Mile 139 - 140.9	17
Mile 141 - 142.9	43	Mile 141 - 142.9	29
Mile 143 - 157.9	191	Mile 143 - 157.9	148
Mile 158 - 160.9	31	Mile 158 - 160.9	22
Mile 161 - 163.9	33	Mile 161 - 163.9	20
Mile 164 - 166.9	27	Mile 164 - 166.9	25
Mile 167 -169.9	21	Mile 167 -169.9	17
Mile 170 - 178.9	55	Mile 170 - 178.9	46
Mile 179 - 181.9	29	Mile 179 - 181.9	18
Mile 182 - 190.9	90	Mile 182 - 190.9	83
Mile 191 - 192.9	33	Mile 191 - 192.9	28
Mile 193 - 194.9	24	Mile 193 - 194.9	26
Mile 195 -199.9	63	Mile 195 -199.9	38
Mile 200 - 204.9	83	Mile 200 - 204.9	86
Mile 205 - 206.9	44	Mile 205 - 206.9	17
Mile 207 - 209.9	41	Mile 207 - 209.9	38
Mile 210 -212.9	94	Mile 210 -212.9	61
Mile 213 - 216.9	129	Mile 213 - 216.9	87
Mile 217 - 219.9	79	Mile 217 - 219.9	69
Mile 220 - 223.9	78	Mile 220 - 223.9	54
Mile 224 -227.9	55	Mile 224 -227.9	60
Mile 228 - 228.9	11	Mile 228 - 228.9	18
Mile 229 -229.9	0	Mile 229 -229.9	2
Mile 230 - 239.9	0	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
North Total	2375	South Total	1991

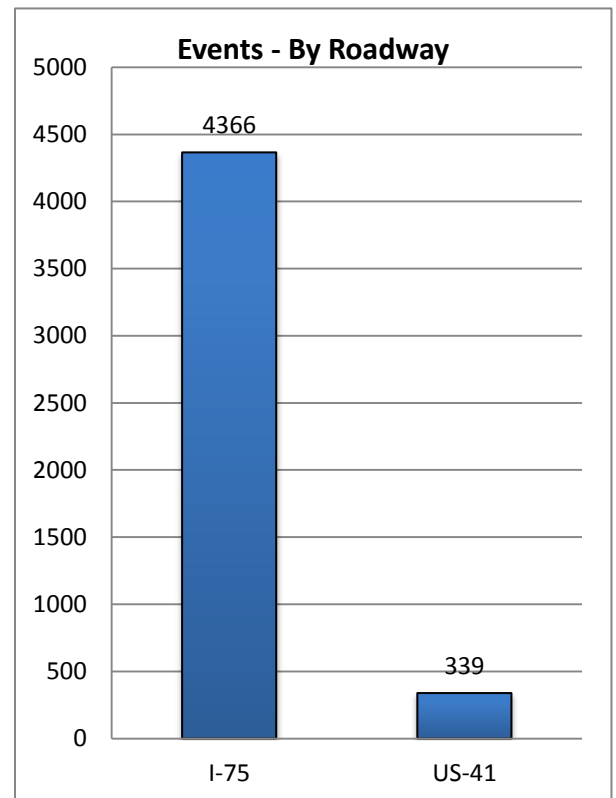
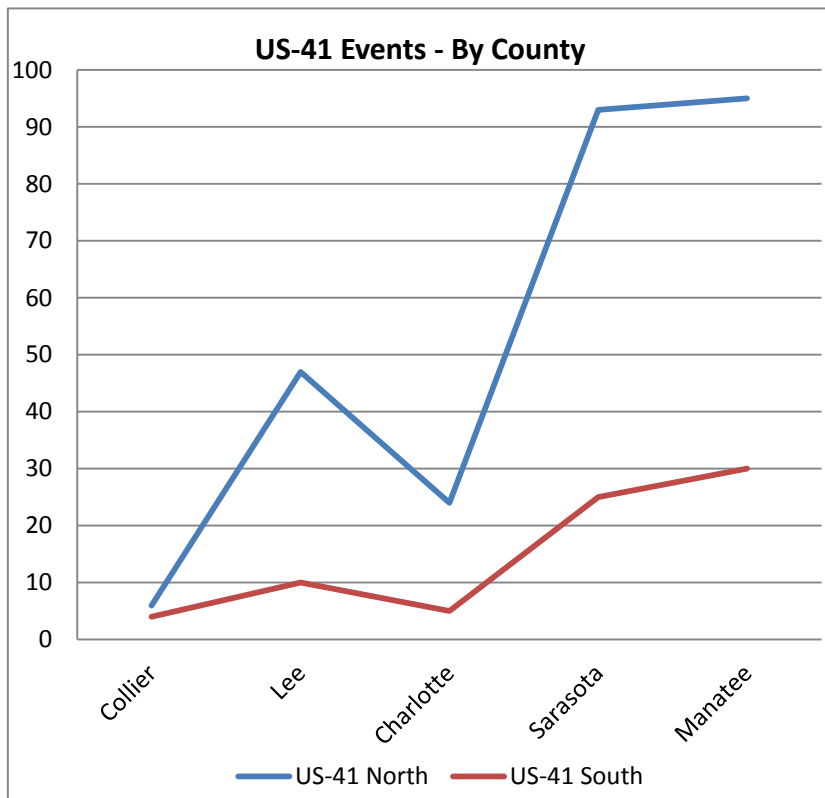
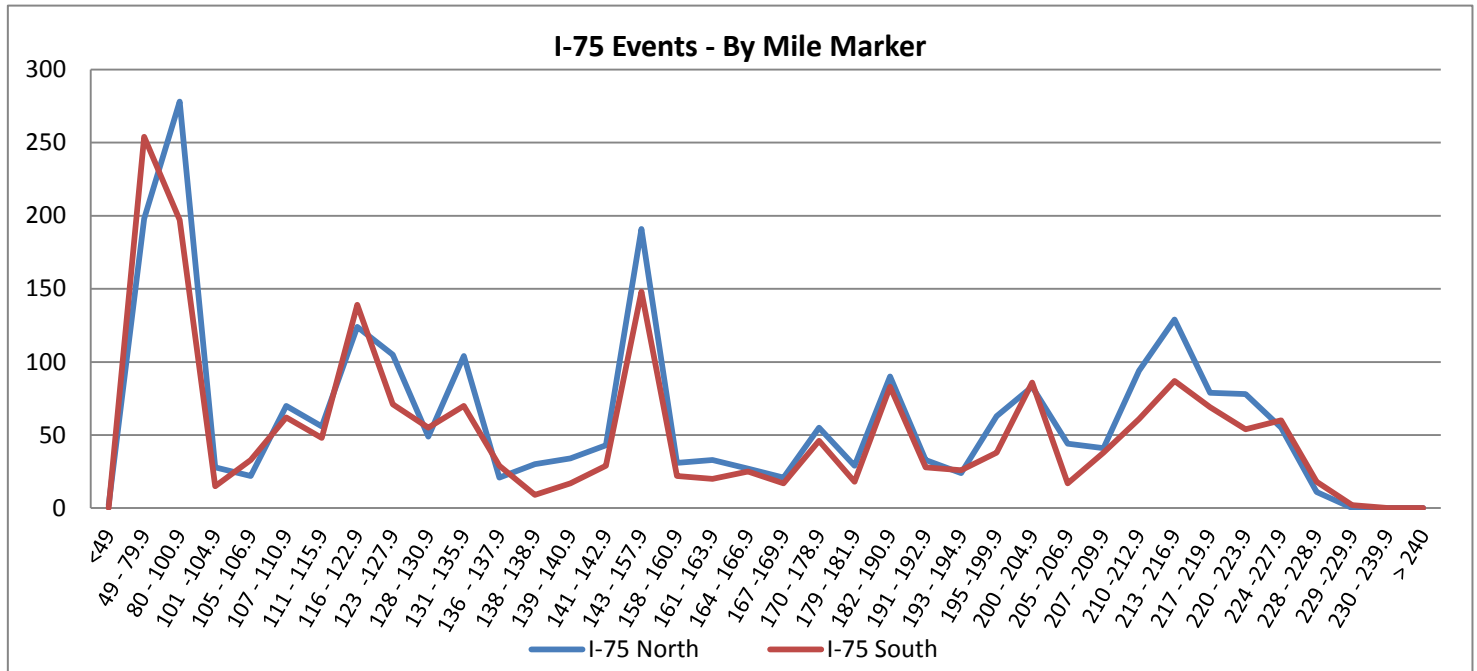
US-41 Northbound	
Collier	6
Lee	47
Charlotte	24
Sarasota	93
Manatee	95
North Total	265

US-41 Southbound	
Collier	4
Lee	10
Charlotte	5
Sarasota	25
Manatee	30
South Total	74

Total Events on US-41
339

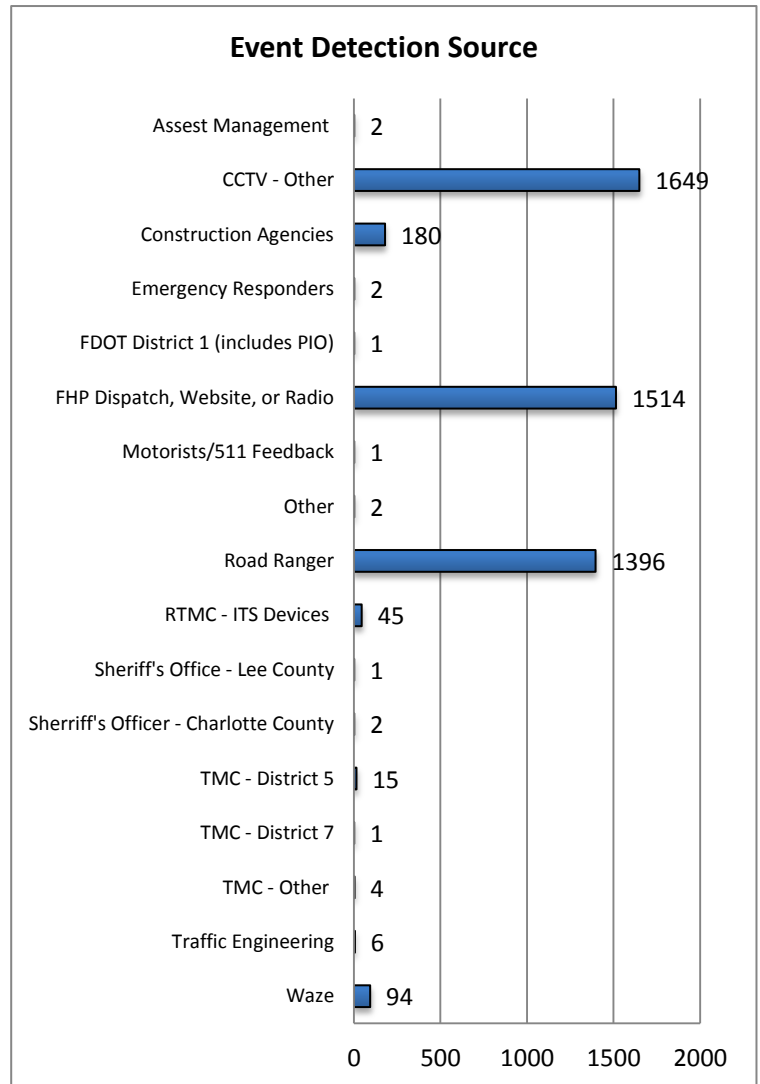
Total Events on I-75
4366

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	2	0.0%
CCTV - District 1 TMC	0	0.0%
CCTV - Other	1649	33.6%
Construction Agencies	180	3.7%
County and Local Law Enforcement	0	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	2	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	1	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1514	30.8%
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	1	0.0%
Other	2	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1396	28.4%
RTMC - ITS Devices (TSS & Safety Barrier)	45	0.9%
RTMC Scanner	0	0.0%
RTMC Staff (On Scene)	0	0.0%
Sherriff's Officer - Charlotte County	2	0.0%
Sheriff's Office - Collier County	0	0.0%
Sheriff's Office - Lee County	1	0.0%
Sheriff's Office - Manatee County	0	0.0%
Sheriff's Office - Sarasota County	0	0.0%
SW Florida Internantion Airport	0	0.0%
TMC - District 4	0	0.0%
TMC - District 5	15	0.3%
TMC - District 7	1	0.0%
TMC - Other	4	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	6	0.1%
Waze	94	1.9%
Total Number of Incidents	4915	100.0%

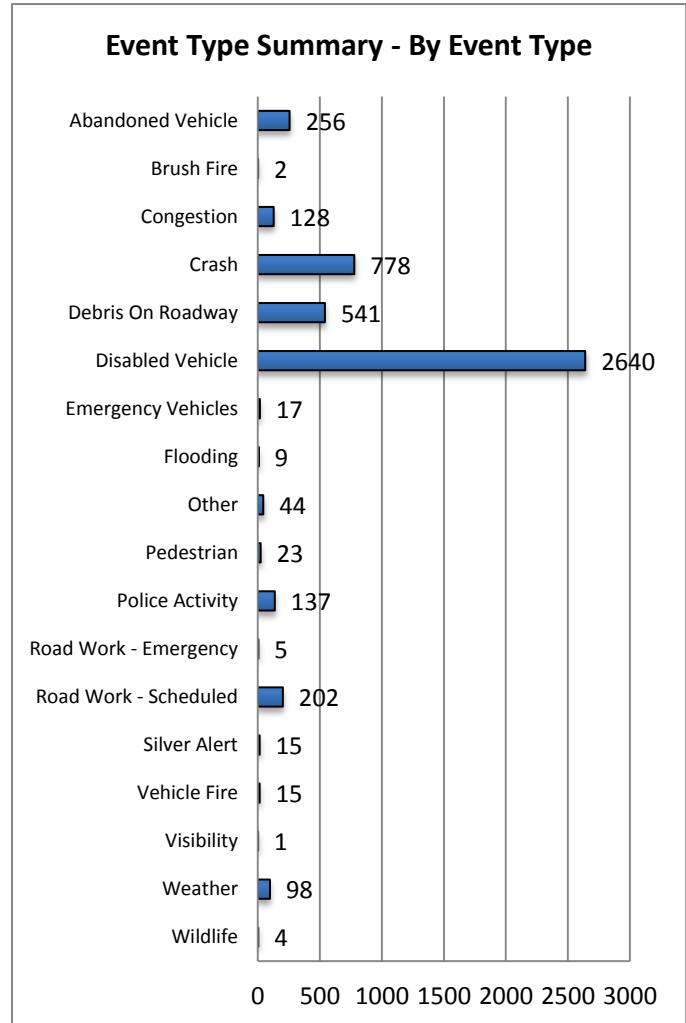


Note: Event Detection Source Categories listed as zero are not included in the above chart.



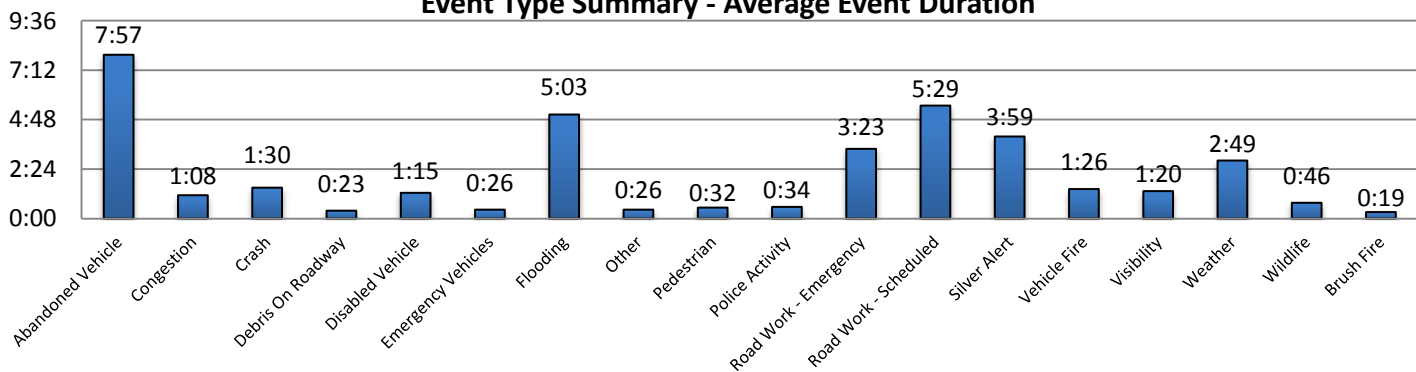
17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	256	1:33	7:57
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	2	0:06	0:19
Congestion	128	0:01	1:08
Crash	778	1:06	1:30
Debris On Roadway	541	0:13	0:23
Disabled Vehicle	2640	0:22	1:15
Emergency Vehicles	17	0:22	0:26
Evacuation	0	0:00	0:00
Flooding	9	0:41	5:03
Interagency Coord.	0	0:00	0:00
LEO Alert	0	0:00	0:00
Other	44	0:04	0:26
Pedestrian	23	0:06	0:32
Police Activity	137	0:25	0:34
PSA	0	0:00	0:00
Road Work - Emergency	5	0:00	3:23
Road Work - Scheduled	202	0:04	5:29
Silver Alert	15	0:00	3:59
Special Event	0	0:00	0:00
Vehicle Fire	15	1:19	1:26
Visibility	1	0:00	1:20
Weather	98	0:00	2:49
Wildlife	4	0:38	0:46
Total Events	4915	0:30	2:09



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 & I-275 MM 0-13
RR107	MM 116-138		
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

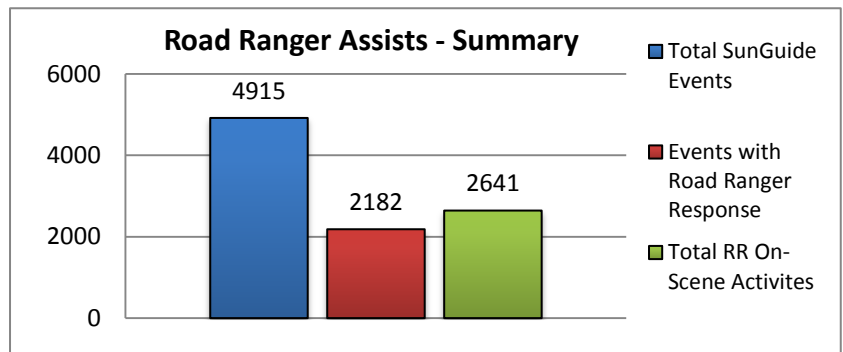
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

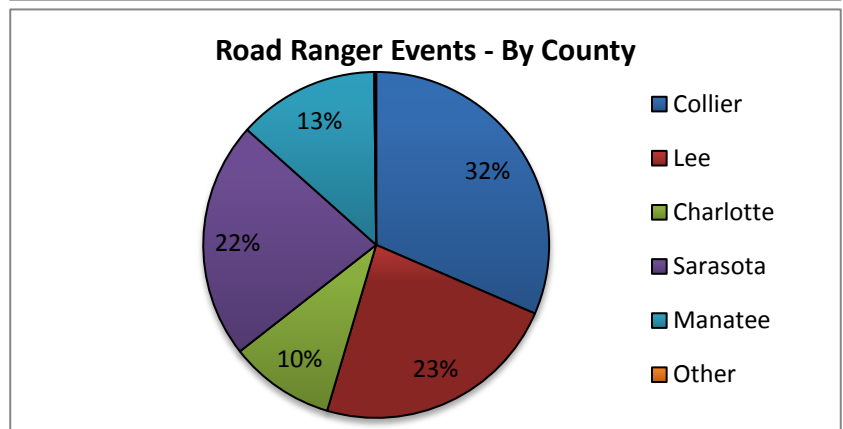
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4915
Events with Road Ranger Response	2182
Total RR On-Scene Activities	2641
Average Activities/Assisted Event	1.21
% of Events Assisted	44.39%



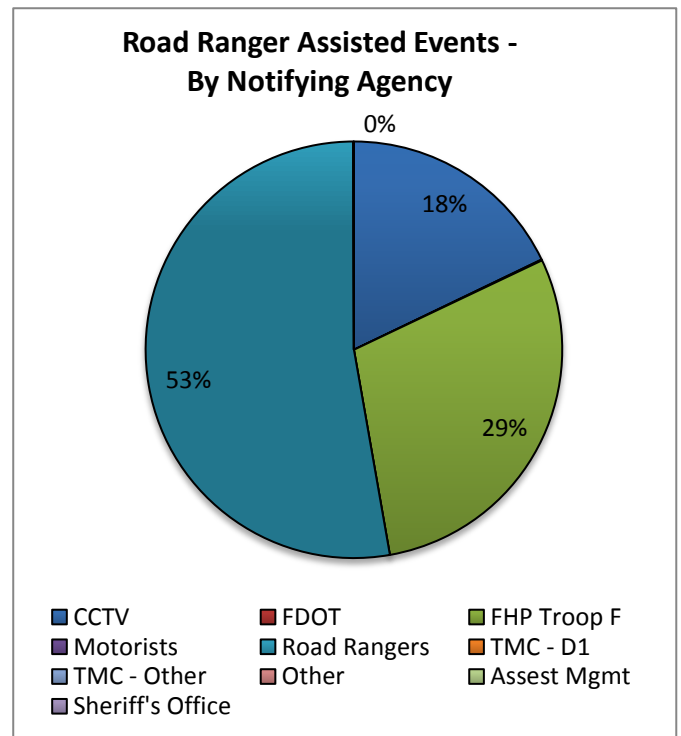
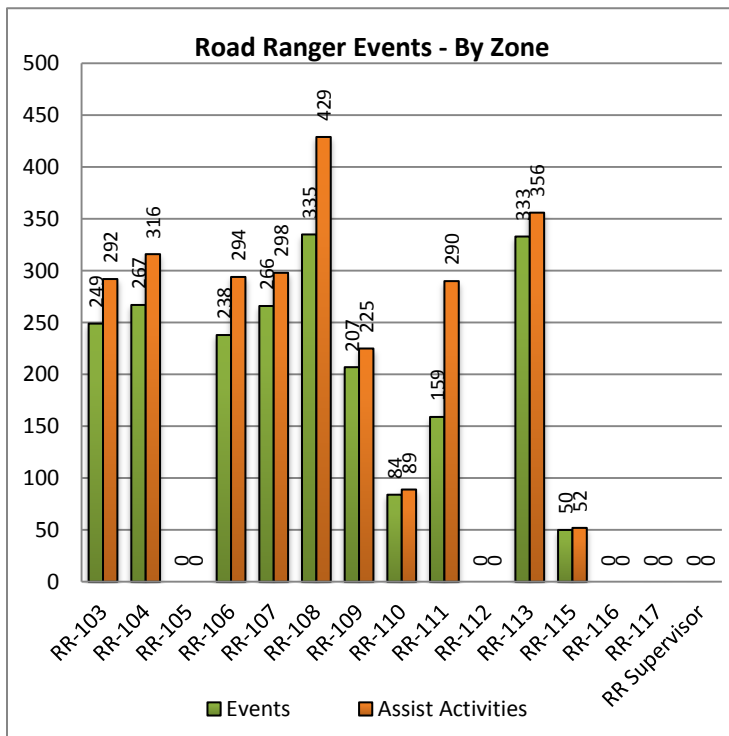
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	846
Lee	620
Charlotte	265
Sarasota	595
Manatee	355
Other	5
Totals	2686





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	249	292
RR-104	267	316
RR-105	0	0
RR-106	238	294
RR-107	266	298
RR-108	335	429
RR-109	207	225
RR-110	84	89
RR-111	159	290
RR-112	0	0
RR-113	333	356
RR-115	50	52
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2188	2641

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	472	17.6%
FDOT	2	0.1%
FHP Troop F	774	28.8%
Motorists	0	0.0%
Road Rangers	1393	51.9%
TMC - D1	0	0.0%
TMC - Other	0	0.0%
Other	1	0.0%
Assest Mgmt	0	0.0%
Sheriff's Office	0	0.0%
Waze	44	1.6%
Totals	2686	100.0%

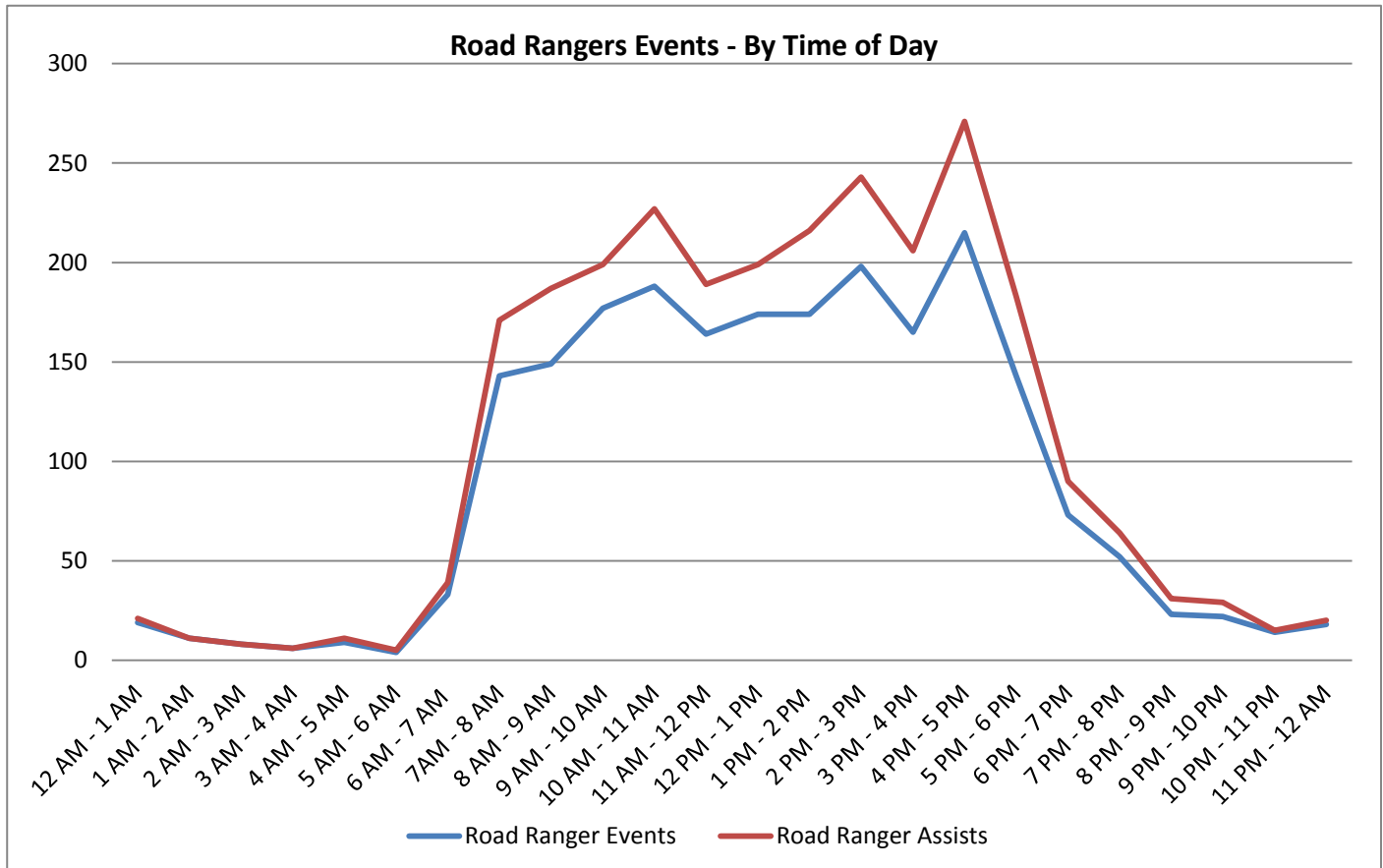




**22. Road Ranger Assisted Events -
By Time of Day:**

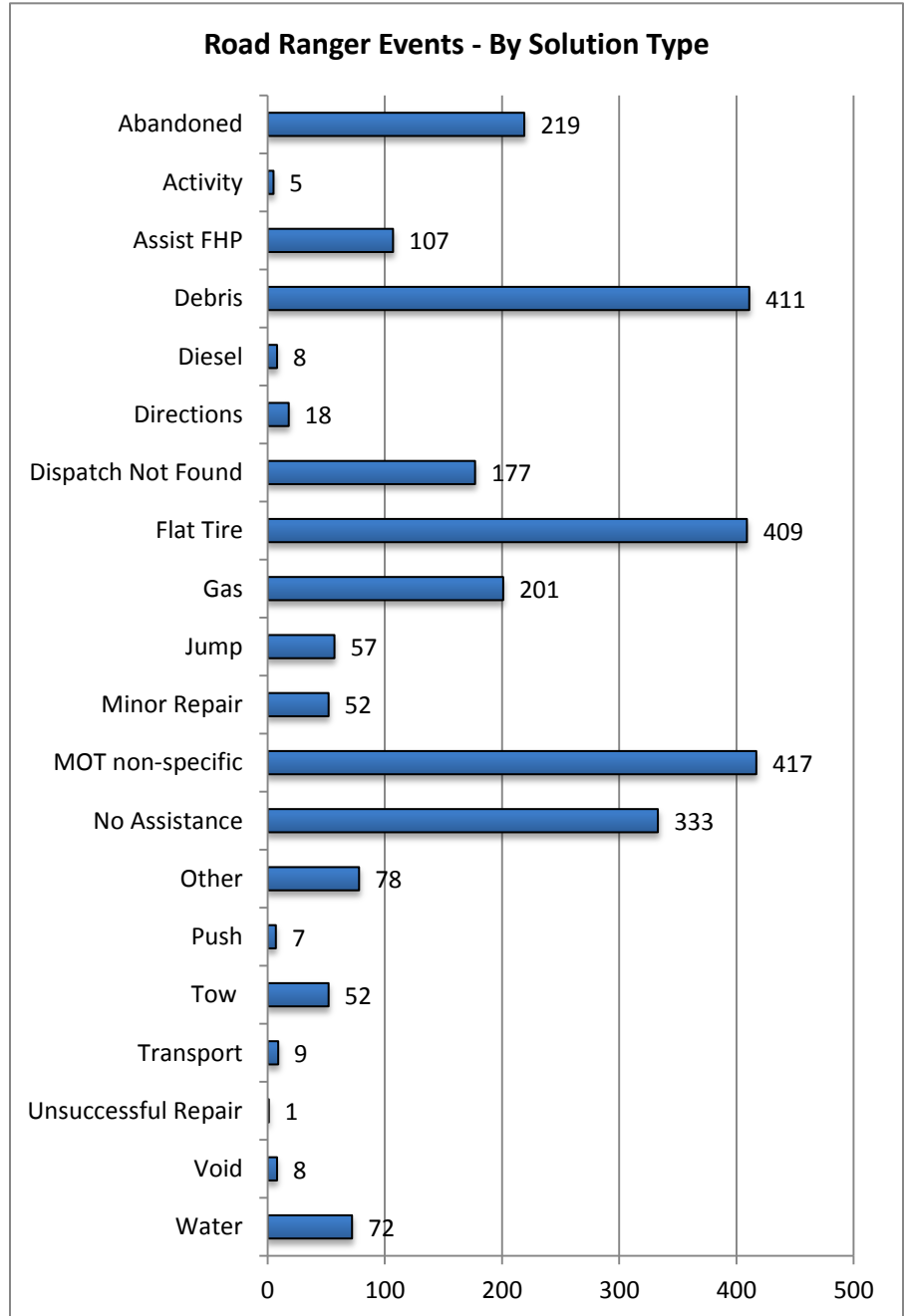
Time of Day	RR Events	RR Assists
12 AM - 1 AM	19	21
1 AM - 2 AM	11	11
2 AM - 3 AM	8	8
3 AM - 4 AM	6	6
4 AM - 5 AM	9	11
5 AM - 6 AM	4	5
6 AM - 7 AM	33	39
7 AM - 8 AM	143	171
8 AM - 9 AM	149	187
9 AM - 10 AM	177	199
10 AM - 11 AM	188	227
11 AM - 12 PM	164	189

Time of Day	RR Events	RR Assists
12 PM - 1 PM	174	199
1 PM - 2 PM	174	216
2 PM - 3 PM	198	243
3 PM - 4 PM	165	206
4 PM - 5 PM	215	271
5 PM - 6 PM	143	183
6 PM - 7 PM	73	90
7 PM - 8 PM	52	64
8 PM - 9 PM	23	31
9 PM - 10 PM	22	29
10 PM - 11 PM	14	15
11 PM - 12 AM	18	20
Totals	2182	2641





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	219
Absorbant	0
Activity	5
Assist FHP	107
Bleach	0
Cold Patch Asphalt	0
Debris	411
Deploy Cones	0
Diesel	8
Directions	18
Dispatch Not Found	177
Flare	0
Flat Tire	409
Flood Lamp	0
Gas	201
Jump	57
Livestock	0
Lockout	0
Minor Repair	52
Miscellaneous	0
MOT non-specific	417
No Assistance	333
Oil	0
Other	78
Phone	0
Portland Cement	0
Push	7
Radio	0
Tow	52
Translate	0
Transmission Fluid	0
Transport	9
Turbo Flare	0
Unsuccessful Repair	1
Void	8
Water	72
Wildlife	0
Total Assist Activities	2641



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