



**This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report for December, 2015.
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:	
	4979

2. Number of Lane Blocking Events:	
	356

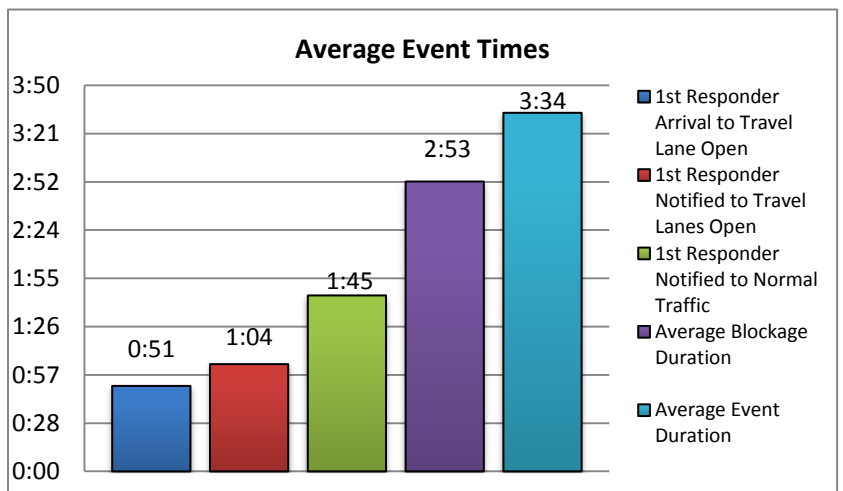
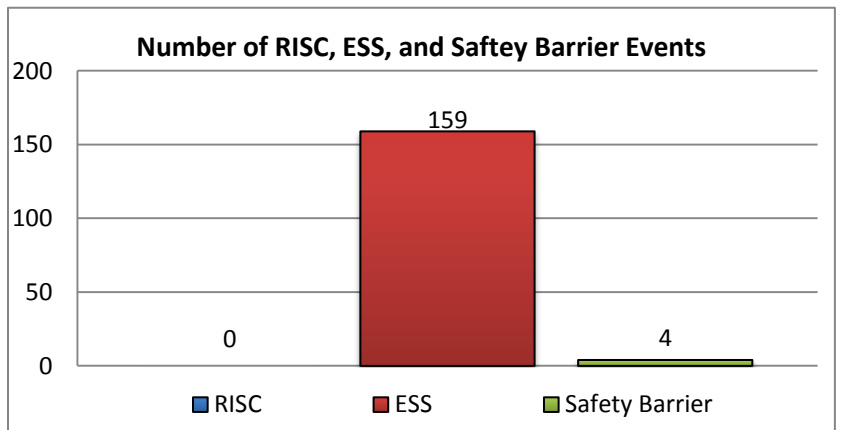
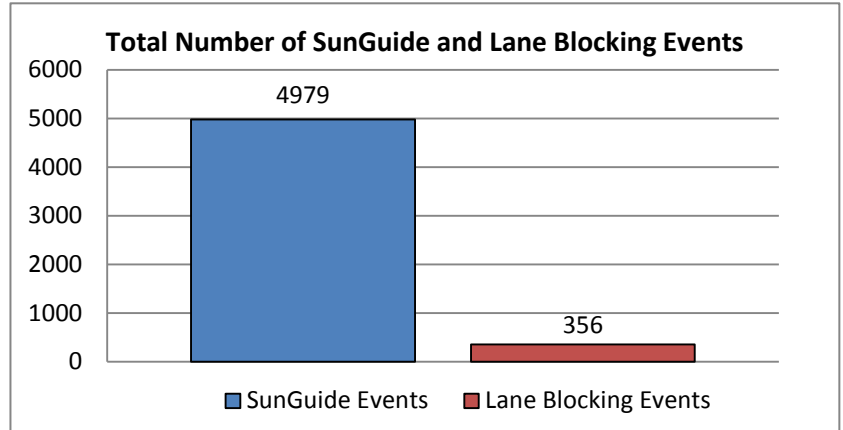
3. Number of RISC Events:	
	0

4. Number of ESS Events:	
	159

5. Events from a Safety Barrier Alert:	
	4

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	0:51
Average Incident Duration From First Responder Notified to Travel Lane Open	1:04
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	4979
Number of Lane Blocking Events	356
Number of Secondary Incidents	0
Average Blockage Duration	2:53
Average Event Duration	3:34



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.

Table 7 includes all lane blocking incidents & events for all 12 District 1 Counties.



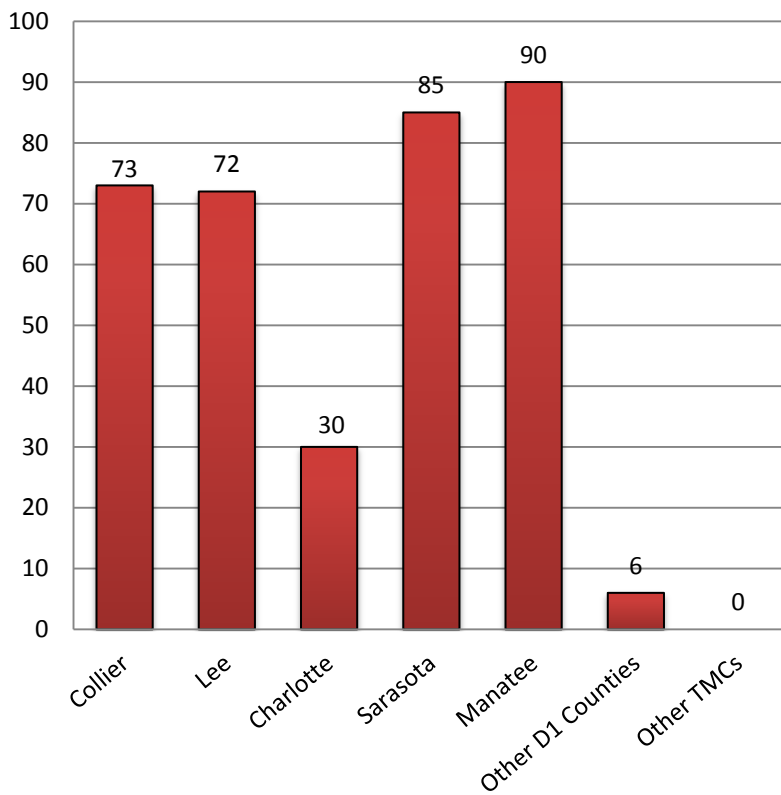
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	48	35	17	43	72	-
US-41	3	18	7	17	17	-
I-275	-	-	-	-	0	-
Arterials	22	19	6	25	1	6
Total Incidents	73	72	30	85	90	6

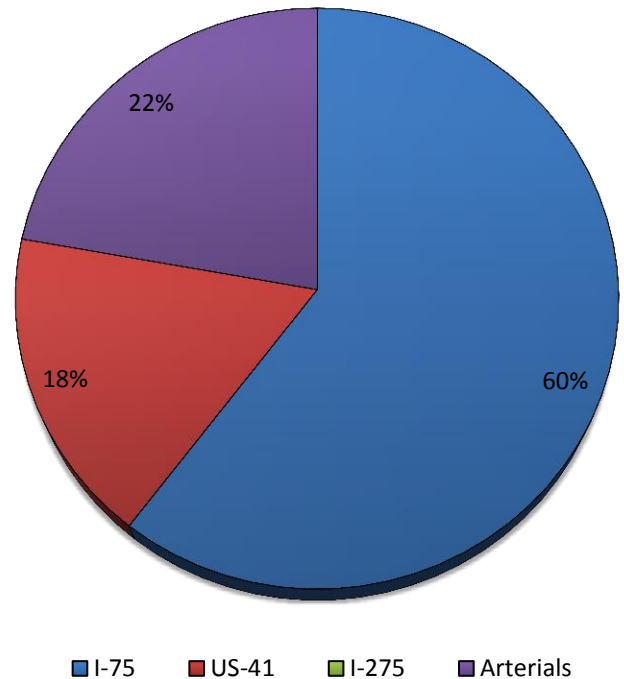
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	215
US-41	0	0	-	-	62
I-275	0	-	-	-	0
Arterials	0	0	0	0	79
Total Incidents	0	0	0	0	356

*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



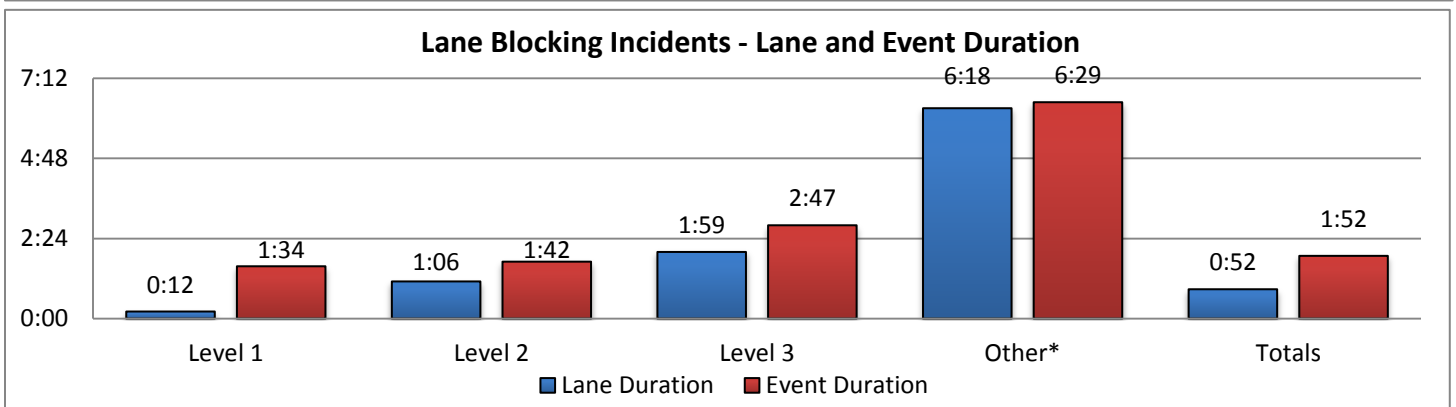
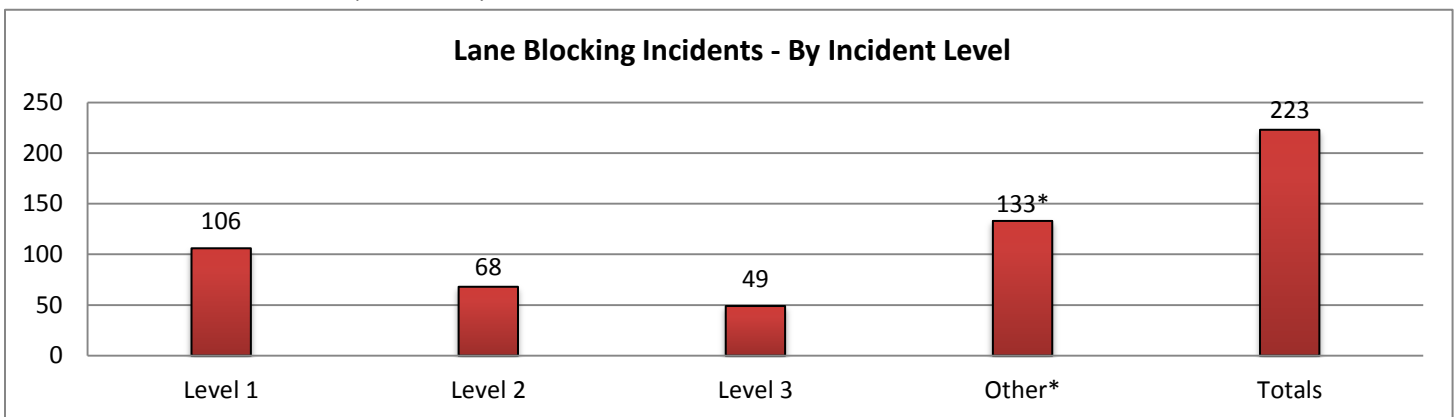


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	14	0:11	2:09	28	0:11	0:39	6	0:15	0:44	22	0:15	1:09
Level 2	5	0:53	1:34	13	1:04	1:38	7	1:06	1:35	17	1:07	1:38
Level 3	7	2:11	2:54	10	1:42	2:00	6	1:25	1:57	13	1:59	3:08
Other*	47*	7:35	7:48	21*	6:48	6:53	11*	5:07	5:41	33*	5:26	5:34
Totals	26	0:51	2:14	51	0:42	1:09	19	0:55	1:25	52	0:58	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	36	0:13	2:27	0	0:00	0:00	0	0:00	0:00	106	0:12	1:34
Level 2	26	1:11	1:51	0	0:00	0:00	0	0:00	0:00	68	1:06	1:42
Level 3	8	2:01	2:54	5	3:02	4:13	0	0:00	0:00	49	1:59	2:47
Other*	20*	5:04	5:08	1*	2:17	2:20	0*	0:00	0:00	133*	6:18	6:29
Totals	70	0:46	2:16	5	3:02	4:13	0	0:00	0:00	223	0:52	1:52

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

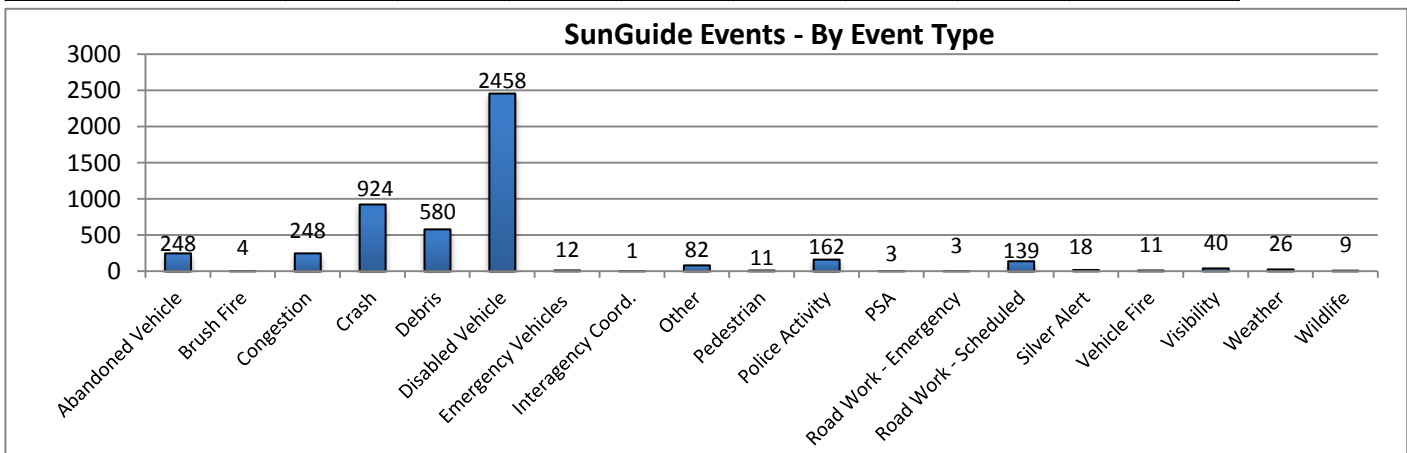




10. SunGuide Events - by Event Type:

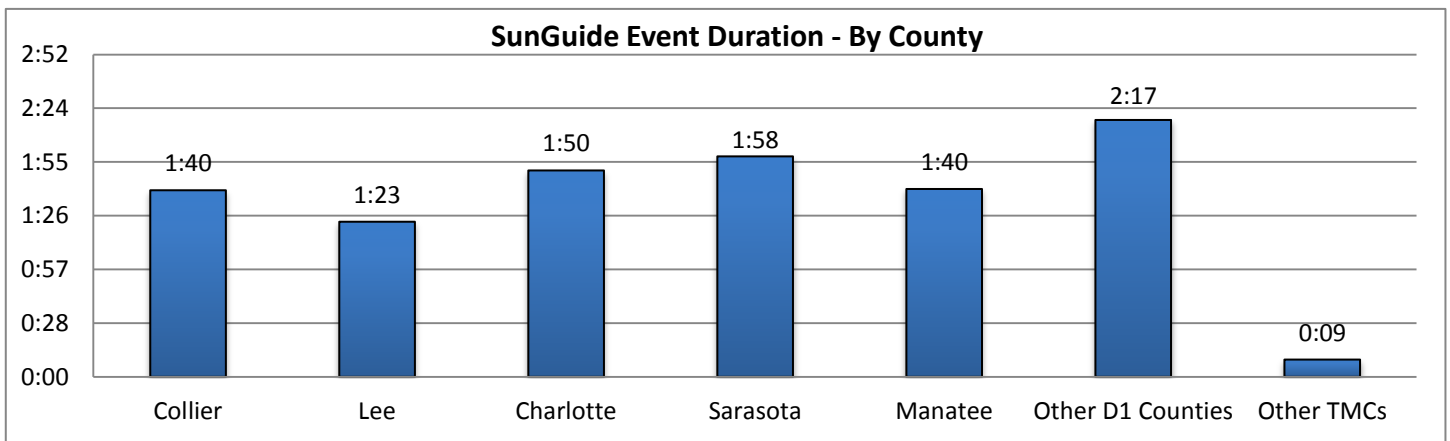
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	49	71	33	59	36	0	0	248
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	1	1	2	0	0	0	0	4
Congestion	13	43	2	71	119	0	0	248
Crash	71	220	38	262	328	5	0	924
Debris	77	152	90	130	130	0	1	580
Disabled Vehicle	807	652	226	472	298	0	3	2458
Emergency Vehicles	2	2	0	6	2	0	0	12
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	1	0	1
LEO Alerts	0	0	0	0	0	0	0	0
Other	7	20	12	31	12	0	0	82
Pedestrian	2	5	1	1	2	0	0	11
Police Activity	70	46	12	20	14	0	0	162
PSA	0	0	0	2	1	0	0	3
Road Work - Emergency	0	3	0	0	0	0	0	3
Road Work - Scheduled	47	21	12	37	21	1	0	139
Silver Alert	0	18	0	0	0	0	0	18
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	2	2	1	4	2	0	0	11
Visibility	7	7	7	9	10	0	0	40
Weather	11	5	4	4	2	0	0	26
Wildlife	2	3	2	1	1	0	0	9
Total Incidents	1168	1271	442	1109	978	7	4	4979

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	11:12	8:17	10:40	10:38	8:16	0:00	0:00	9:44
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	0:11	0:36	1:42	0:00	0:00	0:00	0:00	1:02
Congestion	0:46	0:38	1:42	1:13	1:34	0:00	0:00	1:15
Crash	1:34	1:09	1:20	1:18	1:31	2:12	0:00	1:22
Debris	0:19	0:12	0:15	0:20	0:18	0:00	0:06	0:16
Disabled Vehicle	0:59	0:52	1:11	1:42	1:34	0:00	0:10	1:10
Emergency Vehicles	4:12	0:06	0:00	1:24	1:46	0:00	0:00	1:42
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	2:42	0:00	2:42
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:34	0:14	0:18	0:06	0:10	0:00	0:00	0:12
Pedestrian	0:22	0:45	0:24	0:32	0:26	0:00	0:00	0:34
Police Activity	0:15	0:21	0:22	0:22	0:15	0:00	0:00	0:18
PSA	0:00	0:00	0:00	8:20	10:40	0:00	0:00	9:06
Road Work - Emergency	0:00	2:07	0:00	0:00	0:00	0:00	0:00	2:07
Road Work - Scheduled	7:48	6:53	5:38	5:10	4:53	2:20	0:00	6:17
Silver Alert	0:00	4:33	0:00	0:00	0:00	0:00	0:00	4:33
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	0:40	0:37	2:33	3:01	1:47	0:00	0:00	1:53
Visibility	5:08	3:37	3:24	3:43	2:06	0:00	0:00	3:29
Weather	2:13	2:21	2:53	2:38	3:01	0:00	0:00	2:28
Wildlife	0:07	0:24	0:55	1:18	0:30	0:00	0:00	0:33
Total Incidents	1:40	1:23	1:50	1:58	1:40	2:17	0:09	1:40





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
2737	396	7	2:41

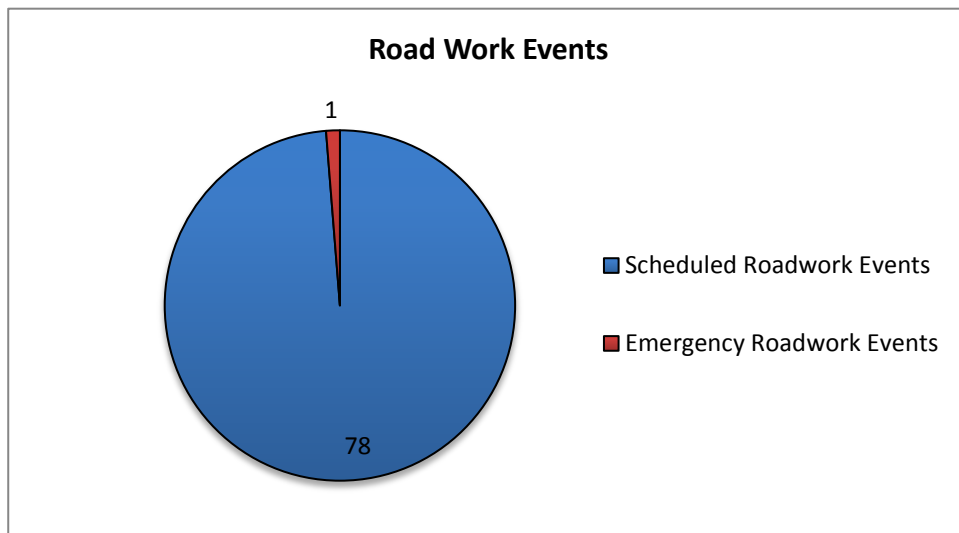
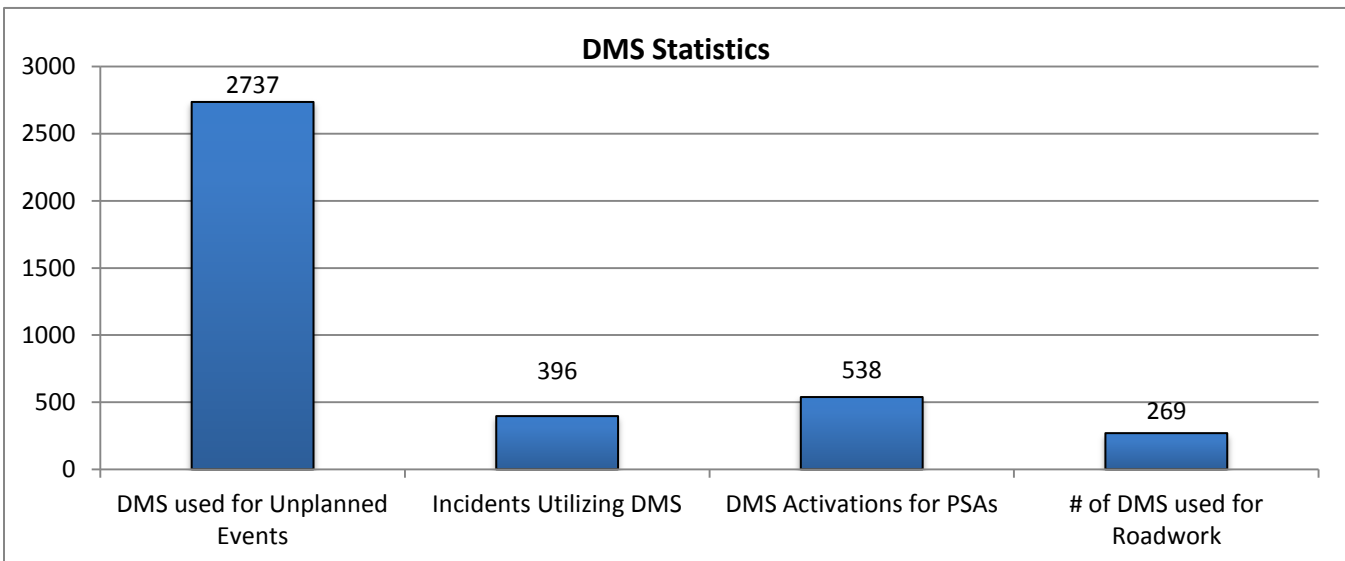
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
538

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
78	1	79
# DMS Used for Road Work		Average # of DMS/Pattern
269		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	2	Mile <49	1
Mile 49-79.9	146	Mile 49-79.9	238
Mile 80-100.9	216	Mile 80-100.9	208
Mile 101-104.9	17	Mile 101-104.9	16
Mile 105-106.9	31	Mile 105-106.9	41
Mile 107-110.9	51	Mile 107-110.9	62
Mile 111-115.9	61	Mile 111-115.9	46
Mile 116-122.9	122	Mile 116-122.9	135
Mile 123-127.9	112	Mile 123-127.9	55
Mile 128-130.9	68	Mile 128-130.9	48
Mile 131-135.9	82	Mile 131-135.9	69
Mile 136 -137.9	42	Mile 136 -137.9	25
Mile 138 -138.9	28	Mile 138 -138.9	17
Mile 139 - 140.9	48	Mile 139 - 140.9	26
Mile 141 - 142.9	32	Mile 141 - 142.9	29
Mile 143 - 157.9	131	Mile 143 - 157.9	111
Mile 158 - 160.9	42	Mile 158 - 160.9	28
Mile 161 - 163.9	26	Mile 161 - 163.9	36
Mile 164 - 166.9	35	Mile 164 - 166.9	41
Mile 167 -169.9	30	Mile 167 -169.9	44
Mile 170 - 178.9	54	Mile 170 - 178.9	57
Mile 179 - 181.9	20	Mile 179 - 181.9	29
Mile 182 - 190.9	57	Mile 182 - 190.9	87
Mile 191 - 192.9	21	Mile 191 - 192.9	34
Mile 193 - 194.9	18	Mile 193 - 194.9	38
Mile 195 -199.9	43	Mile 195 -199.9	33
Mile 200 - 204.9	68	Mile 200 - 204.9	75
Mile 205 - 206.9	71	Mile 205 - 206.9	21
Mile 207 - 209.9	46	Mile 207 - 209.9	33
Mile 210 -212.9	101	Mile 210 -212.9	52
Mile 213 - 216.9	112	Mile 213 - 216.9	121
Mile 217 - 219.9	77	Mile 217 - 219.9	72
Mile 220 - 223.9	75	Mile 220 - 223.9	67
Mile 224 -227.9	70	Mile 224 -227.9	57
Mile 228 - 228.9	12	Mile 228 - 228.9	17
Mile 229 -229.9	1	Mile 229 -229.9	3
Mile 230 - 239.9	3	Mile 230 - 239.9	1
> Mile 240	0	> Mile 240	0
North Total	2171	South Total	2073

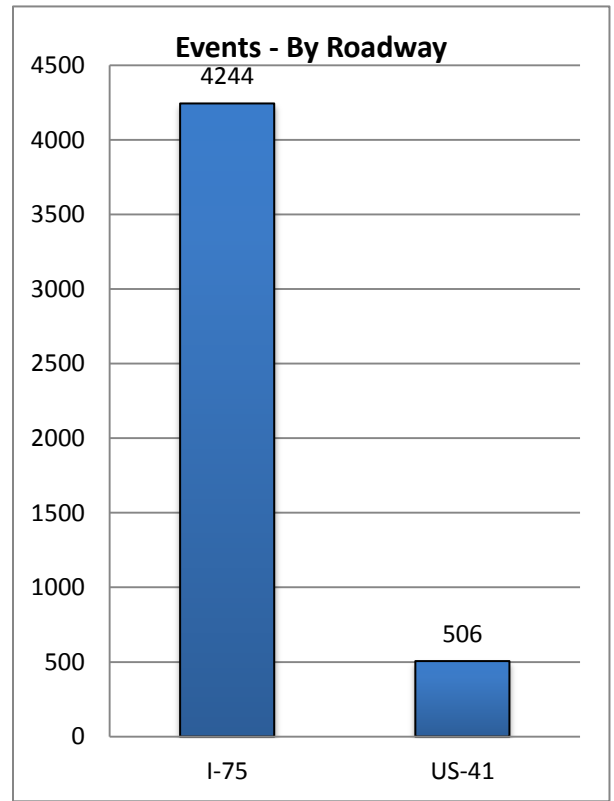
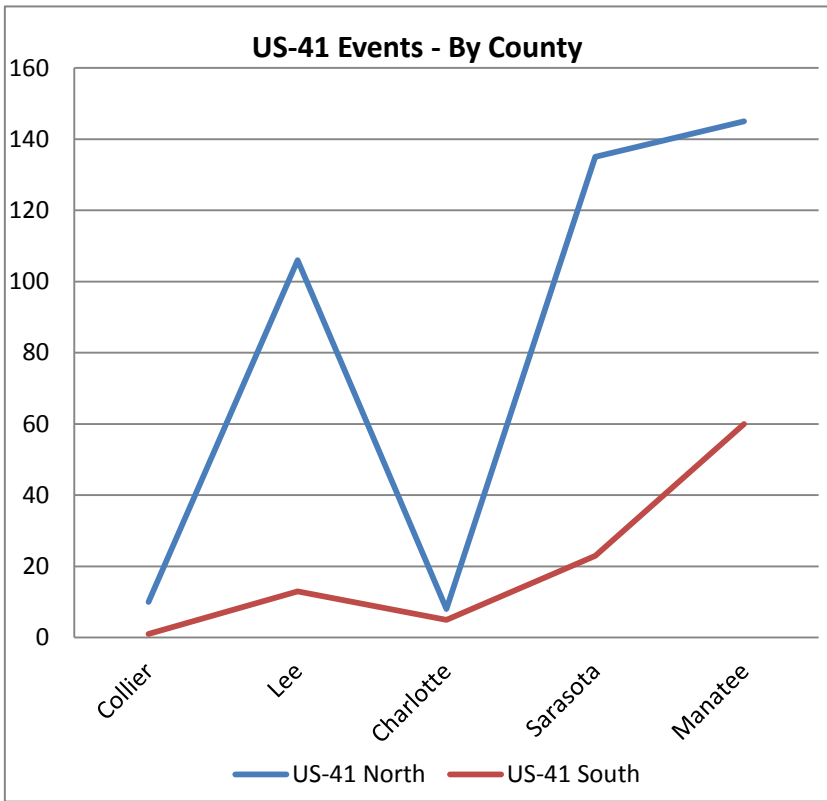
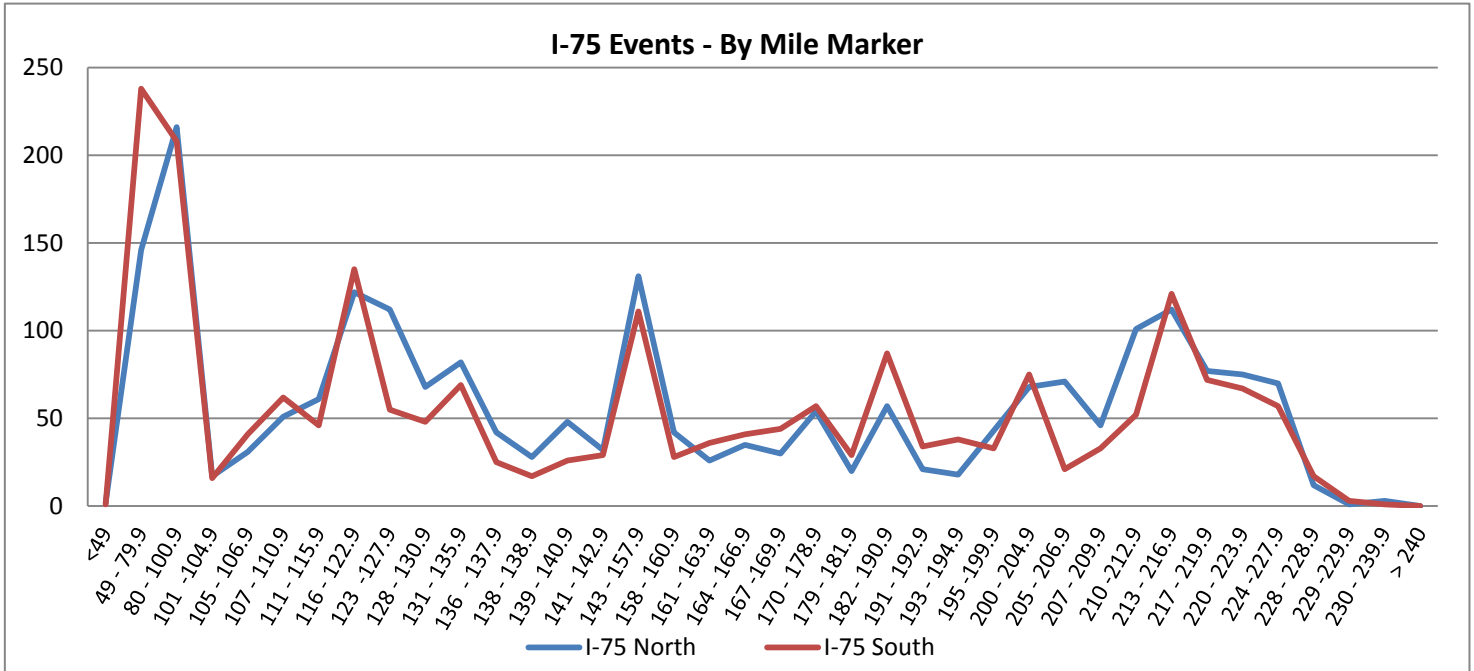
US-41 Northbound	
Collier	10
Lee	106
Charlotte	8
Sarasota	135
Manatee	145
North Total	404

US-41 Southbound	
Collier	1
Lee	13
Charlotte	5
Sarasota	23
Manatee	60
South Total	102

Total Events on US-41
506

Total Events on I-75
4244

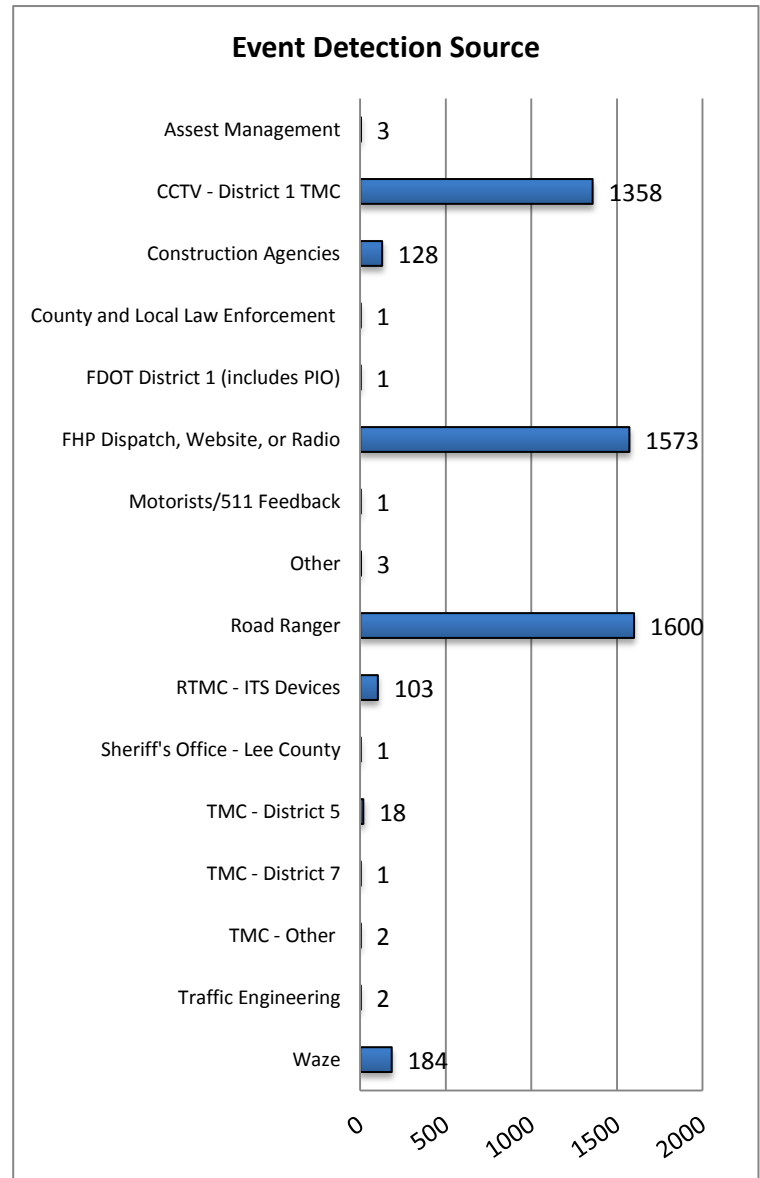
Note: The charts for these tables appear on the following page.





16. Event Detection Source:

Assest Management (includes Dbi & ICA)	3	0.1%
CCTV - District 1 TMC	1358	27.3%
CCTV - Other	0	0.0%
Construction Agencies	128	2.6%
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)	1	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1573	31.6%
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	3	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1600	32.1%
RTMC - ITS Devices (TSS & Safety Barrier)	103	2.1%
RTMC Scanner	0	0.0%
RTMC Staff (On Scene)	0	0.0%
Sherriff's Officer - Charlotte County	0	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	18	0.4%
TMC - District 7	1	0.0%
TMC - Other	2	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	2	0.0%
Waze	184	3.7%
Total Number of Incidents	4979	100.0%

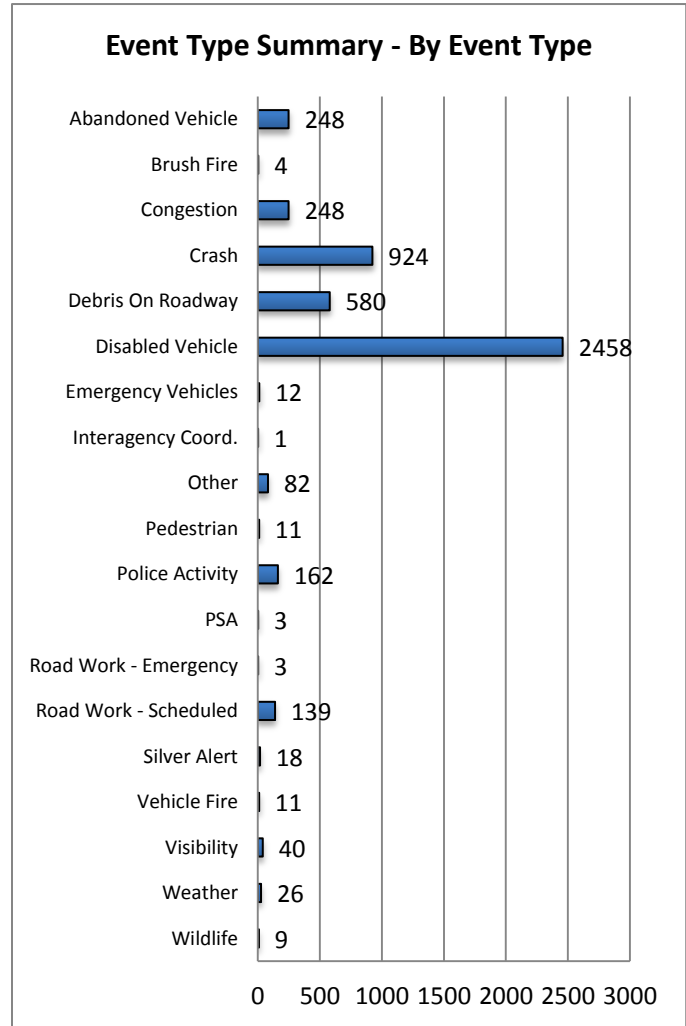


Note: Event Detection Source Categories listed as zero are not included in the above chart.



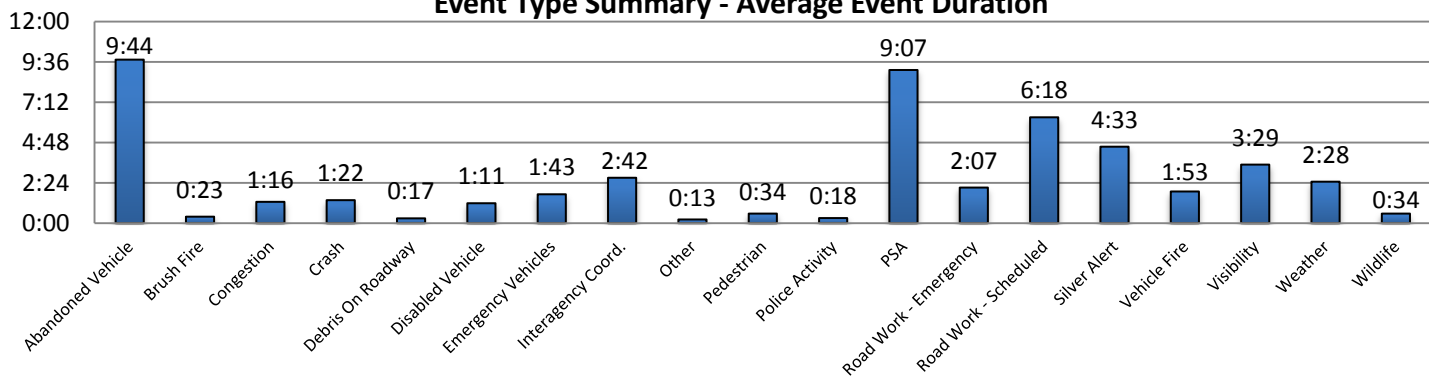
17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	248	0:58	9:44
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	4	0:05	0:23
Congestion	248	0:00	1:16
Crash	924	0:52	1:22
Debris On Roadway	580	0:10	0:17
Disabled Vehicle	2458	0:22	1:11
Emergency Vehicles	12	0:56	1:43
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	1	0:00	2:42
LEO Alert	0	0:00	0:00
Other	82	0:03	0:13
Pedestrian	11	0:08	0:34
Police Activity	162	0:13	0:18
PSA	3	0:00	9:07
Road Work - Emergency	3	0:00	2:07
Road Work - Scheduled	139	0:09	6:18
Silver Alert	18	0:00	4:33
Special Event	0	0:00	0:00
Vehicle Fire	11	1:08	1:53
Visibility	40	0:03	3:29
Weather	26	0:00	2:28
Wildlife	9	0:16	0:34
Total Events	4979	0:24	2:38



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

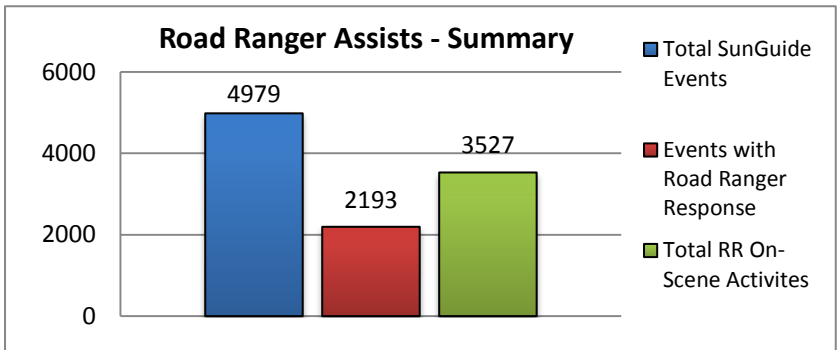
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

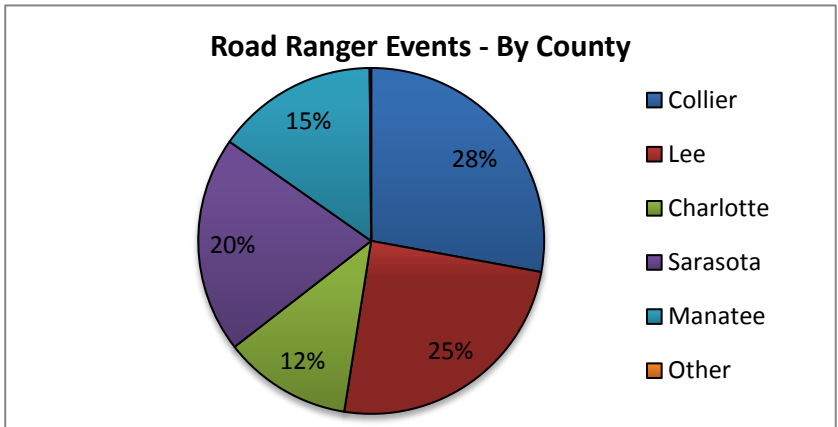
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4979
Events with Road Ranger Response	2193
Total RR On-Scene Activities	3527
Average Activities/Assisted Event	1.61
% of Events Assisted	44.04%



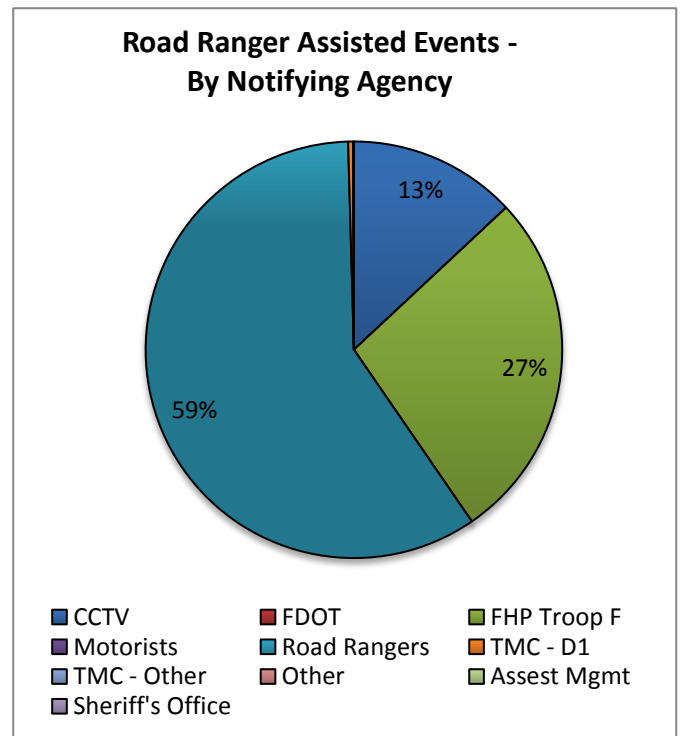
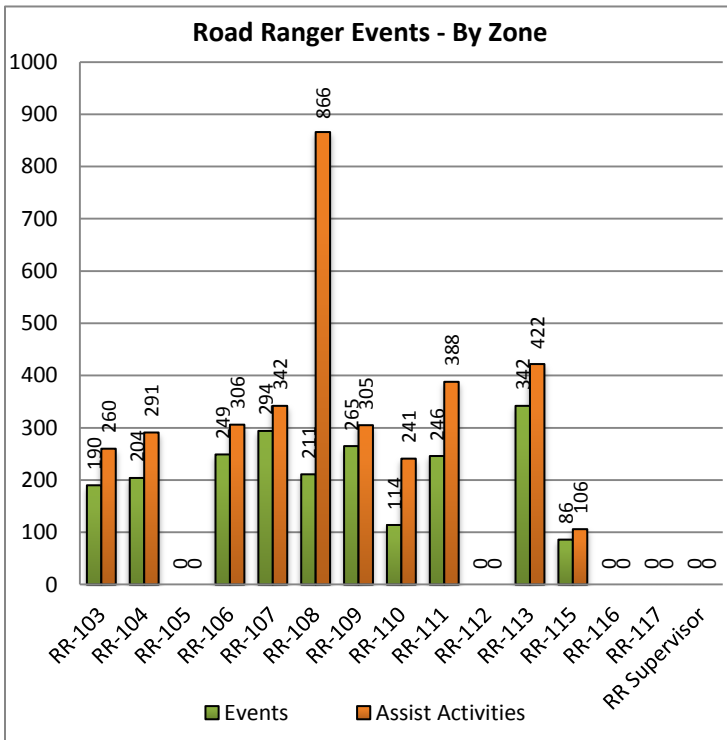
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	776
Lee	685
Charlotte	334
Sarasota	563
Manatee	421
Other	4
Totals	2783





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	190	260
RR-104	204	291
RR-105	0	0
RR-106	249	306
RR-107	294	342
RR-108	211	866
RR-109	265	305
RR-110	114	241
RR-111	246	388
RR-112	0	0
RR-113	342	422
RR-115	86	106
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2201	3527

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	352	12.6%
FDOT	0	0.0%
FHP Troop F	739	26.6%
Motorists	0	0.0%
Road Rangers	1596	57.3%
TMC - D1	11	0.4%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	1	0.0%
Sheriff's Office	0	0.0%
Waze	84	3.0%
Totals	2783	100.0%

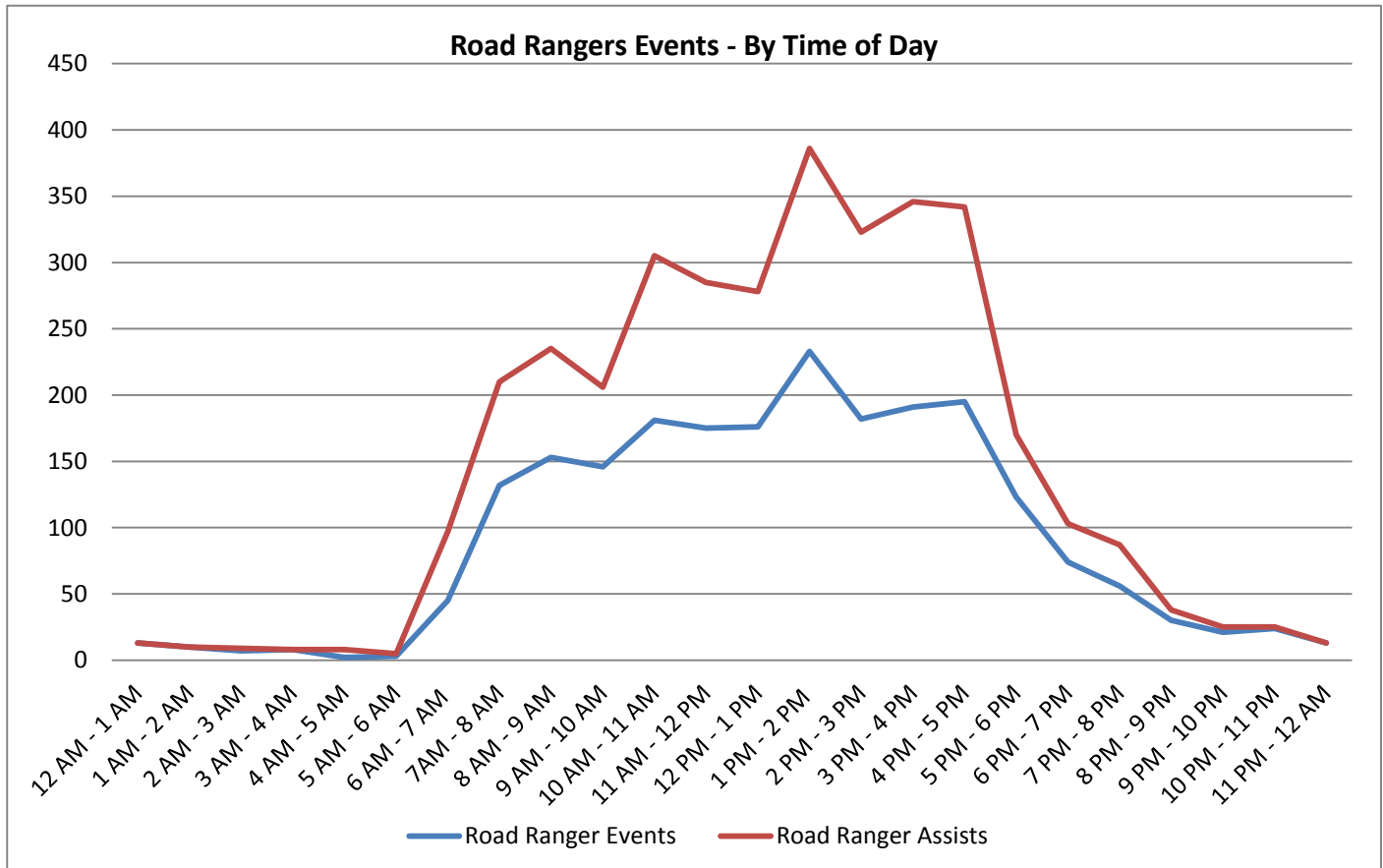




**22. Road Ranger Assisted Events -
By Time of Day:**

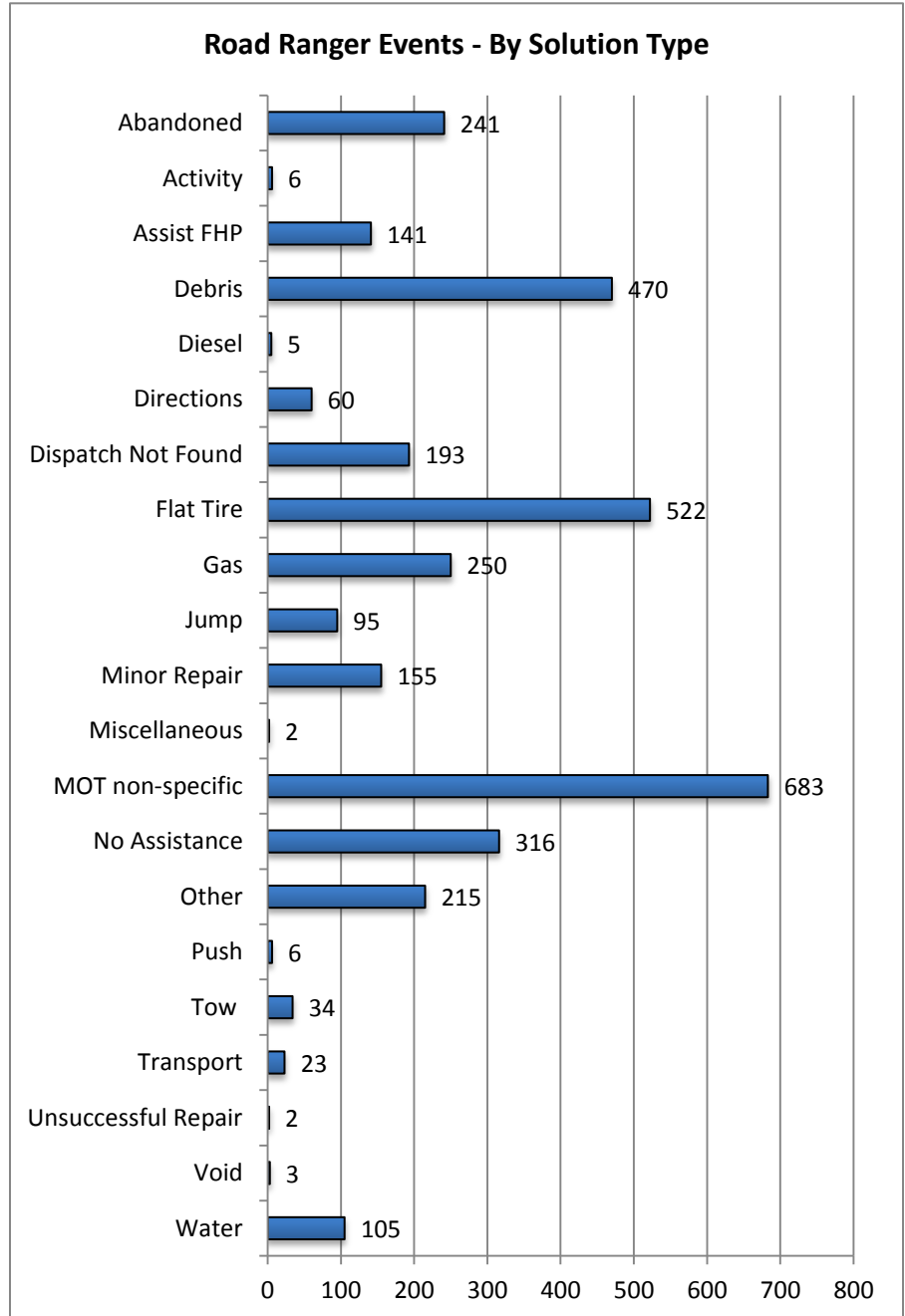
Time of Day	RR Events	RR Assists
12 AM - 1 AM	13	13
1 AM - 2 AM	10	10
2 AM - 3 AM	7	9
3 AM - 4 AM	8	8
4 AM - 5 AM	2	8
5 AM - 6 AM	3	5
6 AM - 7 AM	45	97
7 AM - 8 AM	132	210
8 AM - 9 AM	153	235
9 AM - 10 AM	146	206
10 AM - 11 AM	181	305
11 AM - 12 PM	175	285

Time of Day	RR Events	RR Assists
12 PM - 1 PM	176	278
1 PM - 2 PM	233	386
2 PM - 3 PM	182	323
3 PM - 4 PM	191	346
4 PM - 5 PM	195	342
5 PM - 6 PM	123	170
6 PM - 7 PM	74	103
7 PM - 8 PM	56	87
8 PM - 9 PM	30	38
9 PM - 10 PM	21	25
10 PM - 11 PM	24	25
11 PM - 12 AM	13	13
Totals	2193	3527





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	241
Absorbant	0
Activity	6
Assist FHP	141
Bleach	0
Cold Patch Asphalt	0
Debris	470
Deploy Cones	0
Diesel	5
Directions	60
Dispatch Not Found	193
Flare	0
Flat Tire	522
Flood Lamp	0
Gas	250
Jump	95
Livestock	0
Lockout	0
Minor Repair	155
Miscellaneous	2
MOT non-specific	683
No Assistance	316
Oil	0
Other	215
Phone	0
Portland Cement	0
Push	6
Radio	0
Tow	34
Translate	0
Transmission Fluid	0
Transport	23
Turbo Flare	0
Unsuccessful Repair	2
Void	3
Water	105
Wildlife	0
Total Assist Activities	3527



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