



This is the FDOT District 1 Swift SunGuide Center Monthly Operations Report, for November 2014. 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.



<b>1. Total Number of SunGuide Events:</b>	
	4076

<b>2. Number of Lane Blocking Events:</b>	
	273

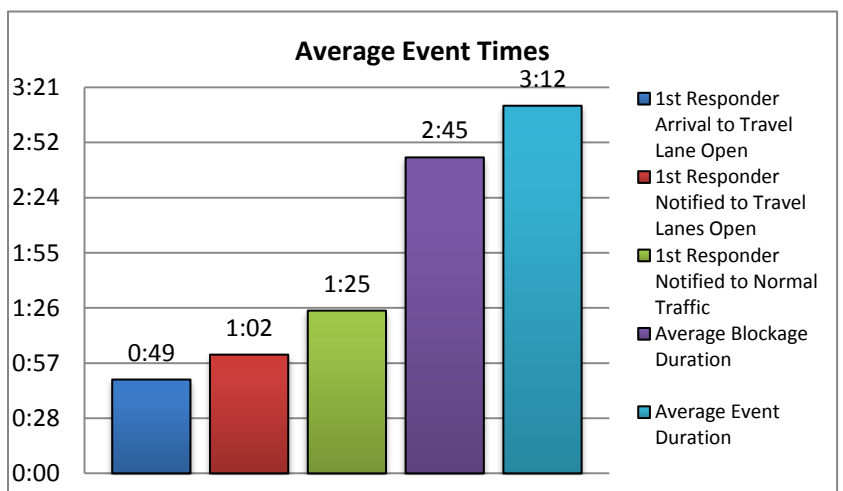
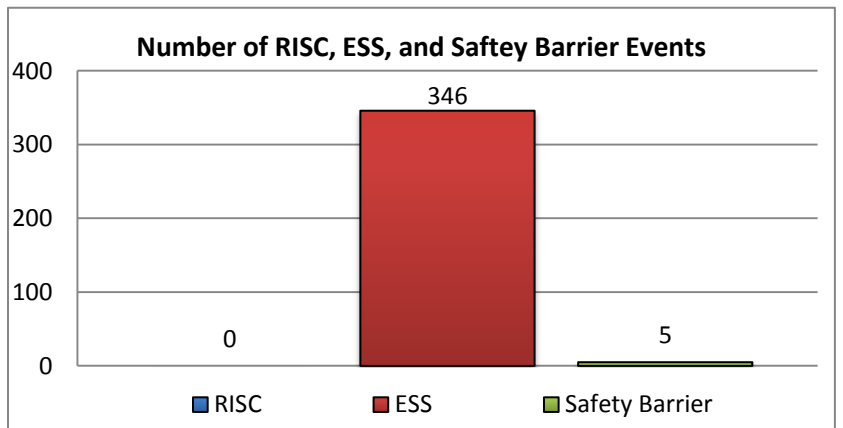
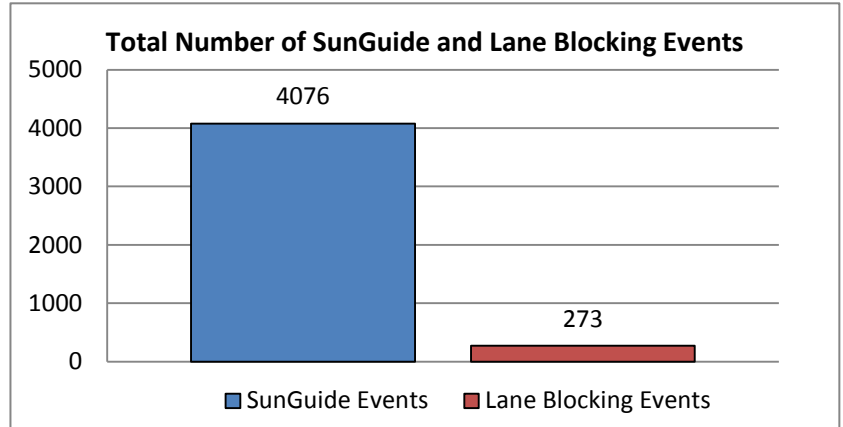
<b>3. Number of RISC Events:</b>	
	0

<b>4. Number of ESS Events:</b>	
	346

<b>5. Events from a Safety Barrier Alert:</b>	
	5

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	0:49
Average Incident Duration From First Responder Notified to Travel Lane Open	1:02
Average Incident Duration From First Responder Notified to Normal Traffic	1:25

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4076
Number of Lane Blocking Events	273
Number of Secondary Incidents	26
Average Blockage Duration	2:45
Average Event Duration	3:12



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.



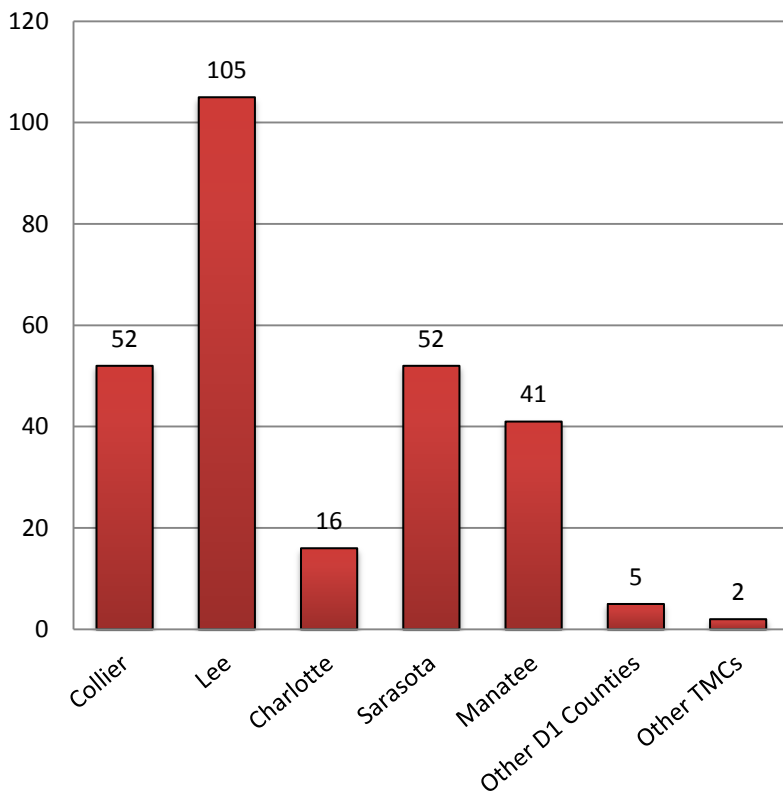
**8. Lane Blocking Incidents - By County and Roadway:**

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	26	63	11	38	26	-
US-41	24	38	5	12	14	-
I-275	-	-	-	-	0	-
Arterials	2	4	0	2	1	5
<b>Total Incidents</b>	<b>52</b>	<b>105</b>	<b>16</b>	<b>52</b>	<b>41</b>	<b>5</b>

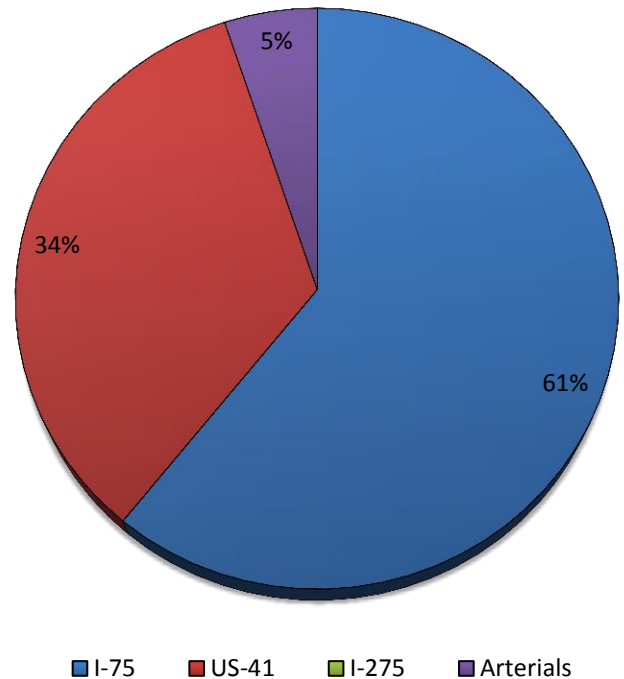
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	2	-	166
US-41	0	0	-	-	93
I-275	0	-	-	-	0
Arterials	0	0	0	0	14
<b>Total Incidents</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>273</b>

\*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**



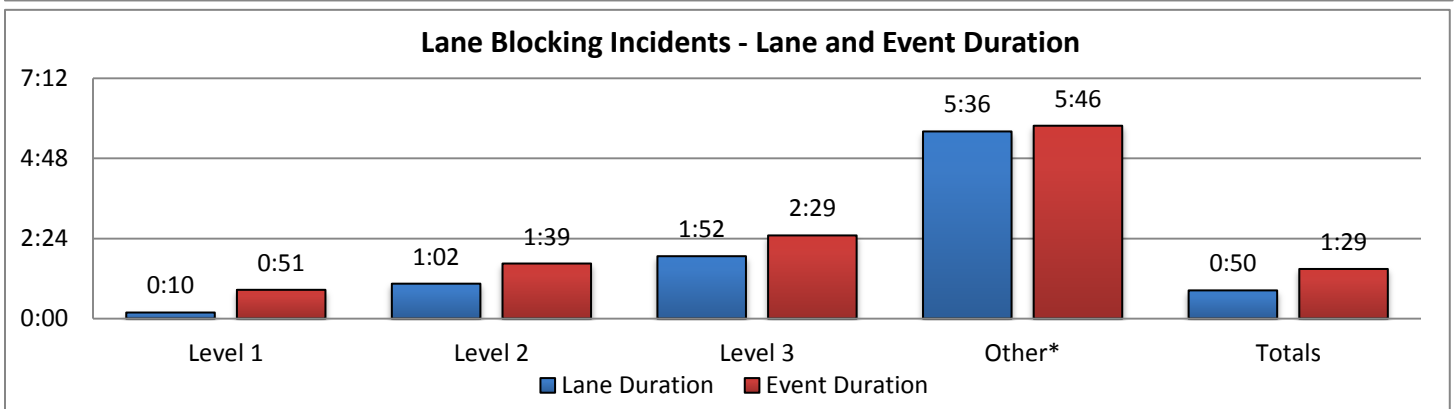
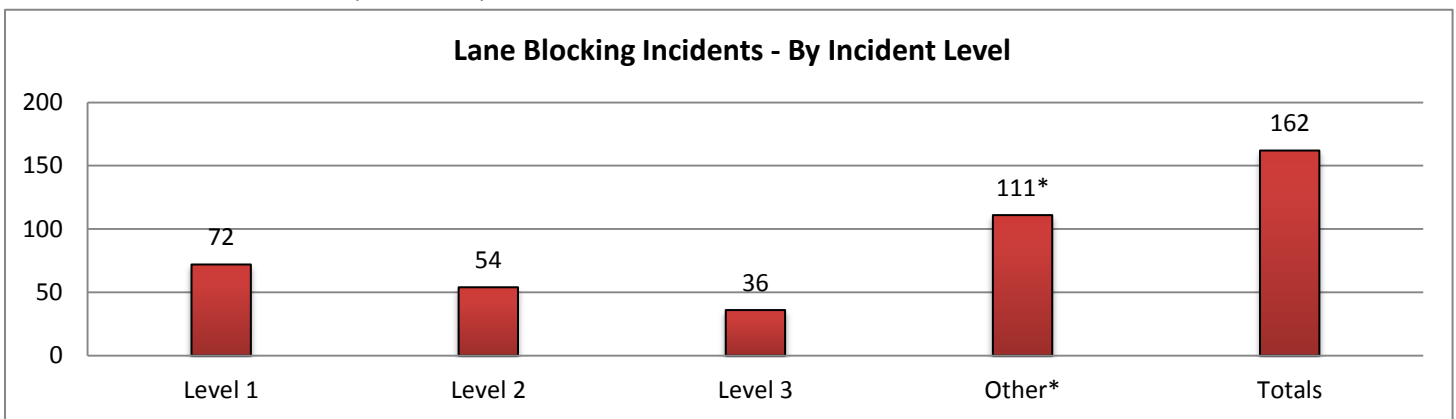


**9. LANE BLOCKING INCIDENTS - By Incident Level:**

	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	11	0:07	0:43	21	0:11	0:53	6	0:14	1:00	21	0:12	0:55
Level 2	8	0:50	2:15	14	1:05	1:26	3	1:05	1:15	13	1:10	1:34
Level 3	11	1:30	2:06	5	1:01	1:47	4	0:59	1:18	5	1:09	1:31
Other*	22*	7:59	8:05	65*	5:20	5:33	3*	1:35	1:43	13*	4:23	4:30
Totals	30	0:48	1:37	40	0:36	1:11	13	0:39	1:09	39	0:38	1:12

	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	13	0:11	0:48	0	0:00	0:00	0	0:00	0:00	72	0:10	0:51
Level 2	16	1:01	1:41	0	0:00	0:00	0	0:00	0:00	54	1:02	1:39
Level 3	7	2:25	3:37	2	8:24	8:36	2	1:10	1:12	36	1:52	2:29
Other*	5*	5:22	5:28	3*	3:53	3:59	0*	0:00	0:00	111*	5:36	5:46
Totals	36	0:59	1:44	2	8:24	8:36	2	1:10	1:12	162	0:50	1:29

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

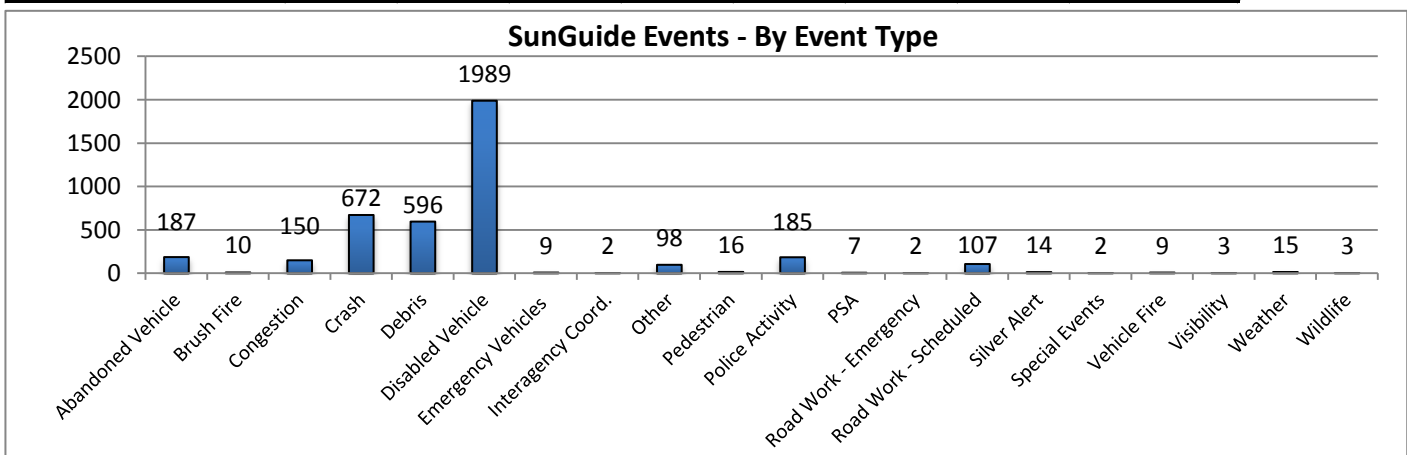




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	39	58	17	49	24	0	0	187
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	4	4	1	1	0	0	0	10
Congestion	9	14	2	56	69	0	0	150
Crash	66	150	25	216	211	4	0	672
Debris	114	152	111	131	87	1	0	596
Disabled Vehicle	642	660	165	285	236	0	1	1989
Emergency Vehicles	2	1	0	4	2	0	0	9
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	11	36	10	26	13	2	0	98
Pedestrian	3	1	3	5	4	0	0	16
Police Activity	69	82	11	14	9	0	0	185
PSA	0	7	0	0	0	0	0	7
Road Work - Emergency	1	0	0	0	1	0	0	2
Road Work - Scheduled	21	60	1	14	7	4	0	107
Silver Alert	0	14	0	0	0	0	0	14
Special Events	1	0	0	0	0	1	0	2
Vehicle Fire	4	0	1	4	0	0	0	9
Visibility	1	0	2	0	0	0	0	3
Weather	5	2	2	2	4	0	0	15
Wildlife	2	0	0	0	1	0	0	3
<b>Total Incidents</b>	<b>994</b>	<b>1241</b>	<b>351</b>	<b>807</b>	<b>668</b>	<b>12</b>	<b>3</b>	<b>4076</b>

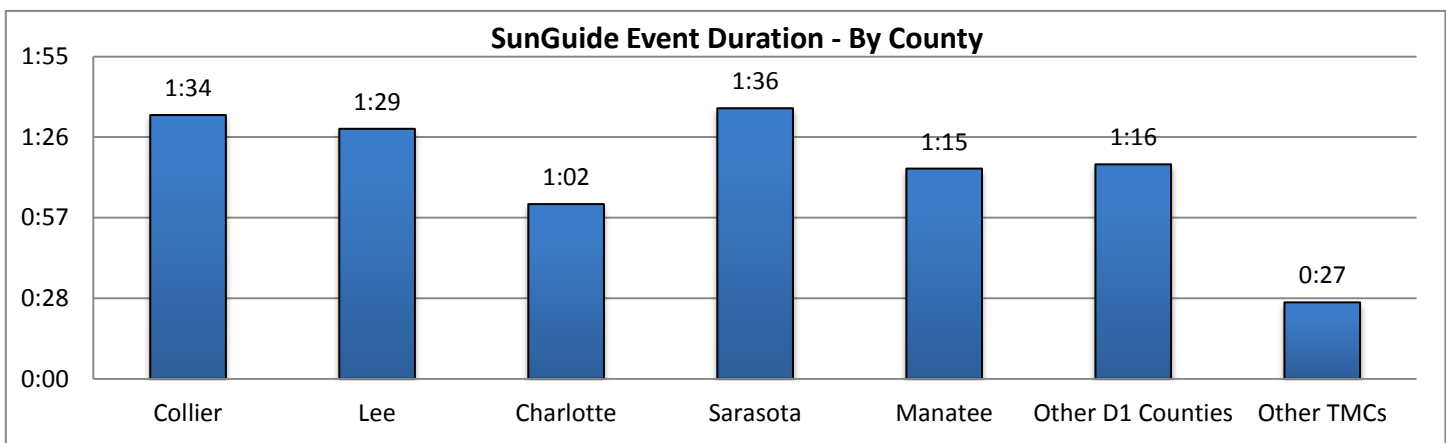
Note: Incident categories that are listed as zero are not included in the chart below.





**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	13:04	6:22	10:00	11:01	6:40	0:00	0:00	9:21
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	3:02	0:44	0:34	0:05	0:00	0:00	0:00	1:34
Congestion	0:33	0:54	1:09	0:55	1:10	0:00	0:00	1:00
Crash	1:29	1:13	1:13	1:14	1:24	2:17	0:00	1:18
Debris	0:15	0:16	0:10	0:20	0:19	0:03	0:00	0:15
Disabled Vehicle	1:03	0:49	0:42	1:04	0:55	0:00	0:10	0:55
Emergency Vehicles	0:14	0:34	0:00	0:25	0:16	0:00	0:00	0:21
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	0:36	0:36
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:24	0:26	0:10	0:20	0:15	0:06	0:00	0:20
Pedestrian	0:15	0:07	0:05	0:09	0:08	0:00	0:00	0:09
Police Activity	0:24	0:26	0:27	0:28	0:26	0:00	0:00	0:25
PSA	0:00	30:21	0:00	0:00	0:00	0:00	0:00	30:21
Road Work - Emergency	2:10	0:00	0:00	0:00	4:28	0:00	0:00	3:19
Road Work - Scheduled	8:10	5:57	2:26	4:54	4:27	1:02	0:00	5:55
Silver Alert	0:00	4:41	0:00	0:00	0:00	0:00	0:00	4:41
Special Events	3:37	0:00	0:00	0:00	0:00	1:49	0:00	2:43
Vehicle Fire	0:46	0:00	2:18	1:03	0:00	0:00	0:00	1:03
Visibility	1:13	0:00	2:19	0:00	0:00	0:00	0:00	1:57
Weather	3:39	7:20	5:56	2:34	3:13	0:00	0:00	4:11
Wildlife	0:55	0:00	0:00	0:00	0:06	0:00	0:00	0:38
<b>Total Incidents</b>	<b>1:34</b>	<b>1:29</b>	<b>1:02</b>	<b>1:36</b>	<b>1:15</b>	<b>1:16</b>	<b>0:27</b>	<b>1:27</b>





**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
1789	266	7	3:00

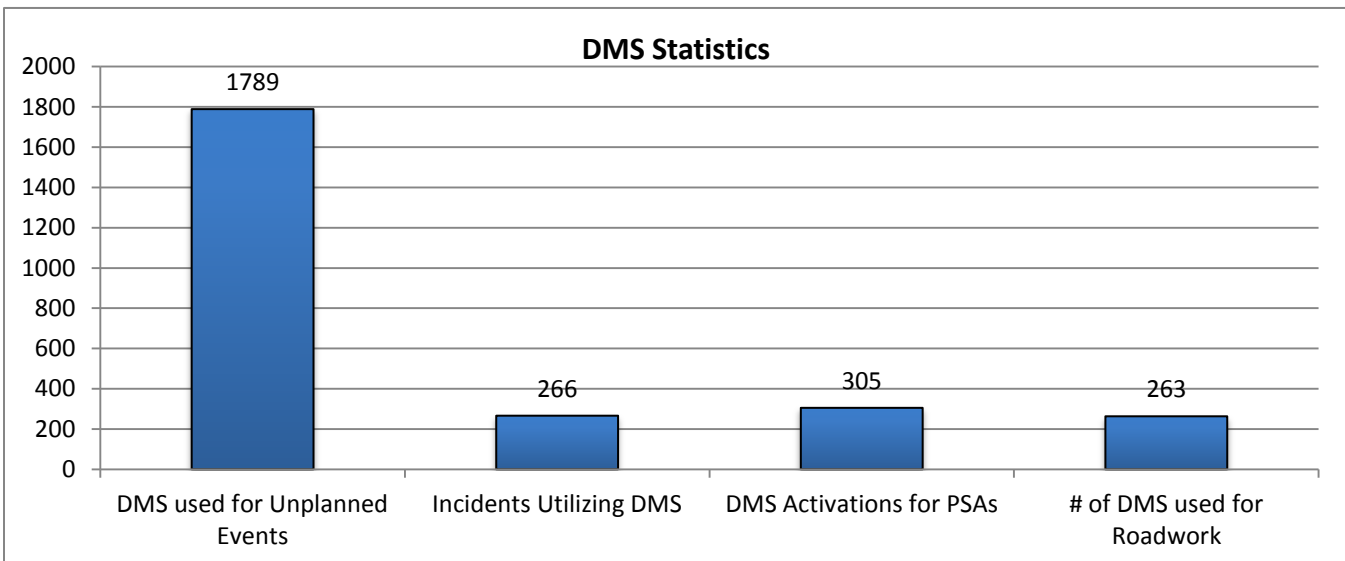
**13. PSA - DMS Activations:**

Number of Public Service Announcement DMS Activations
305

**14. Road Work - DMS Statistics:**

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
43	1	44
# DMS Used for Road Work		Average # of DMS/Pattern
263		6

\* 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	0	Mile <49	0
Mile 49-79.9	136	Mile 49-79.9	216
Mile 80-100.9	162	Mile 80-100.9	109
Mile 101-104.9	23	Mile 101-104.9	21
Mile 105-106.9	23	Mile 105-106.9	47
Mile 107-110.9	74	Mile 107-110.9	53
Mile 111-115.9	58	Mile 111-115.9	40
Mile 116-122.9	115	Mile 116-122.9	157
Mile 123-127.9	134	Mile 123-127.9	48
Mile 128-130.9	44	Mile 128-130.9	64
Mile 131-135.9	79	Mile 131-135.9	61
Mile 136 -137.9	21	Mile 136 -137.9	15
Mile 138 -138.9	38	Mile 138 -138.9	23
Mile 139 - 140.9	77	Mile 139 - 140.9	37
Mile 141 - 142.9	29	Mile 141 - 142.9	26
Mile 143 - 157.9	105	Mile 143 - 157.9	125
Mile 158 - 160.9	23	Mile 158 - 160.9	12
Mile 161 - 163.9	22	Mile 161 - 163.9	25
Mile 164 - 166.9	24	Mile 164 - 166.9	21
Mile 167 -169.9	31	Mile 167 -169.9	28
Mile 170 - 178.9	64	Mile 170 - 178.9	36
Mile 179 - 181.9	18	Mile 179 - 181.9	16
Mile 182 - 190.9	55	Mile 182 - 190.9	59
Mile 191 - 192.9	19	Mile 191 - 192.9	23
Mile 193 - 194.9	20	Mile 193 - 194.9	23
Mile 195 -199.9	34	Mile 195 -199.9	21
Mile 200 - 204.9	44	Mile 200 - 204.9	45
Mile 205 - 206.9	45	Mile 205 - 206.9	20
Mile 207 - 209.9	27	Mile 207 - 209.9	27
Mile 210 -212.9	87	Mile 210 -212.9	28
Mile 213 - 216.9	88	Mile 213 - 216.9	47
Mile 217 - 219.9	45	Mile 217 - 219.9	41
Mile 220 - 223.9	73	Mile 220 - 223.9	53
Mile 224 -227.9	57	Mile 224 -227.9	58
Mile 228 - 228.9	14	Mile 228 - 228.9	19
Mile 229 -229.9	2	Mile 229 -229.9	3
Mile 230 - 239.9	2	Mile 230 - 239.9	2
> Mile 240	0	> Mile 240	0
<b>North Total</b>	<b>1912</b>	<b>South Total</b>	<b>1649</b>

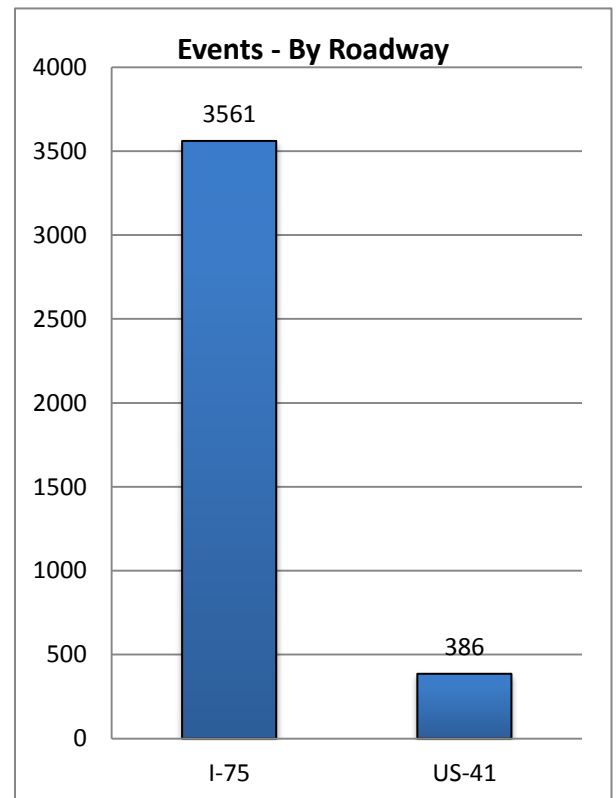
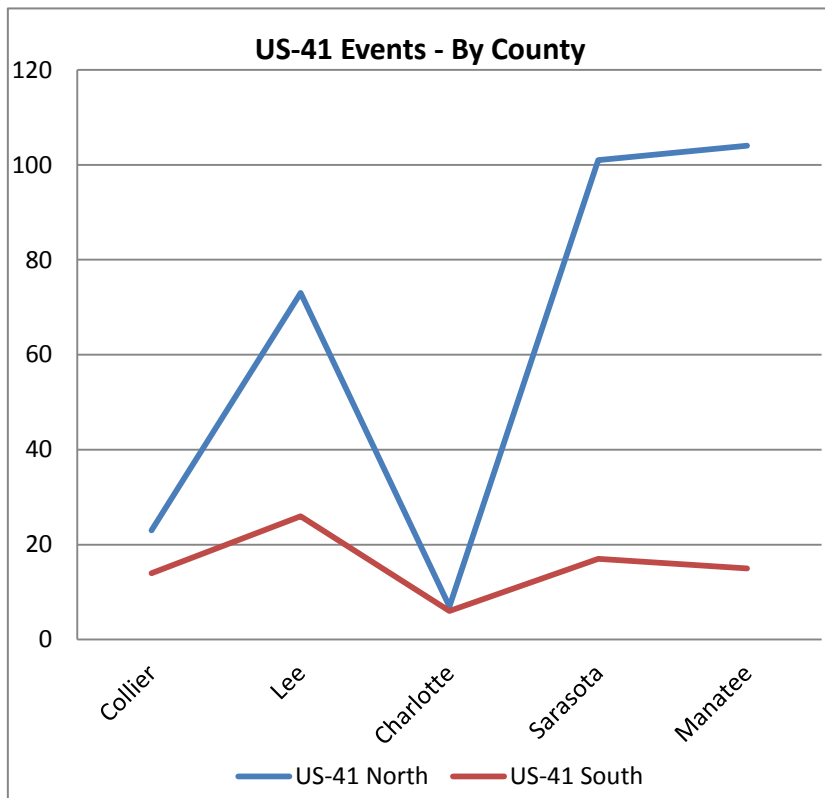
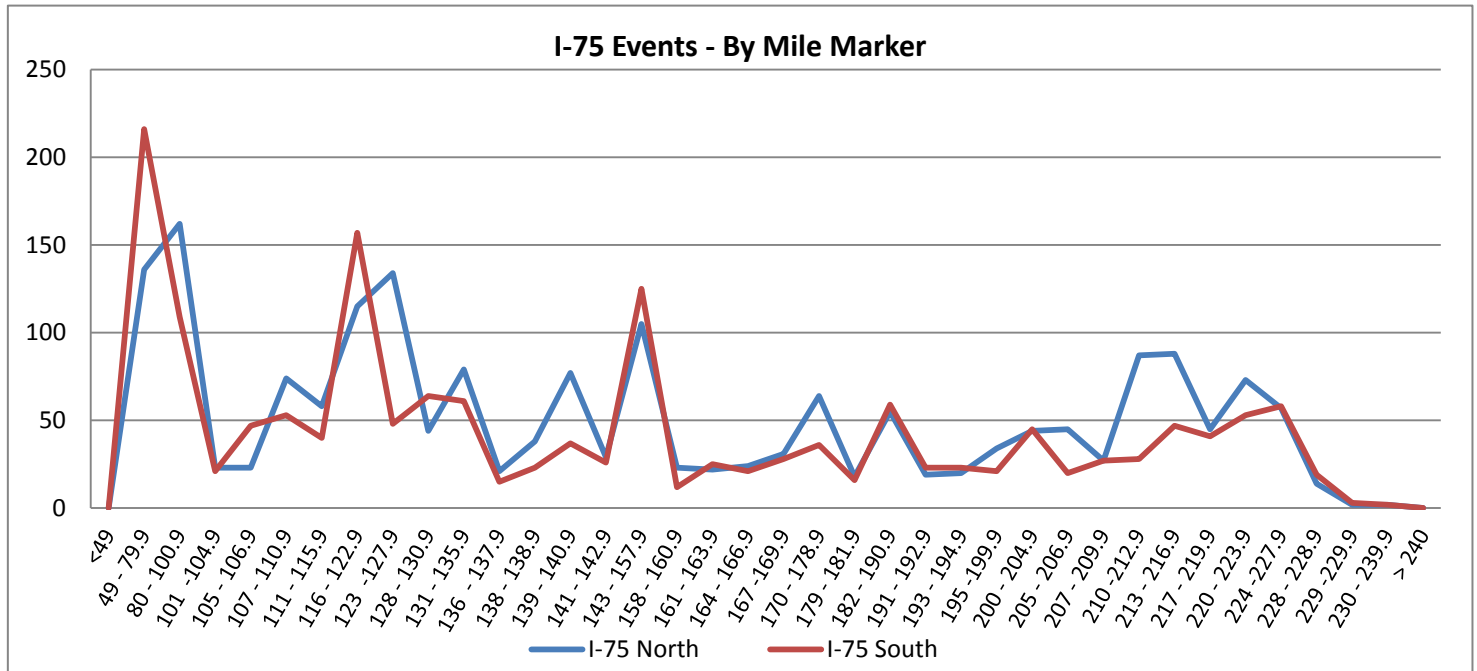
US-41 Northbound	
Collier	23
Lee	73
Charlotte	7
Sarasota	101
Manatee	104
<b>North Total</b>	<b>308</b>

US-41 Southbound	
Collier	14
Lee	26
Charlotte	6
Sarasota	17
Manatee	15
<b>South Total</b>	<b>78</b>

Total Events on US-41
386

Total Events on I-75
3561

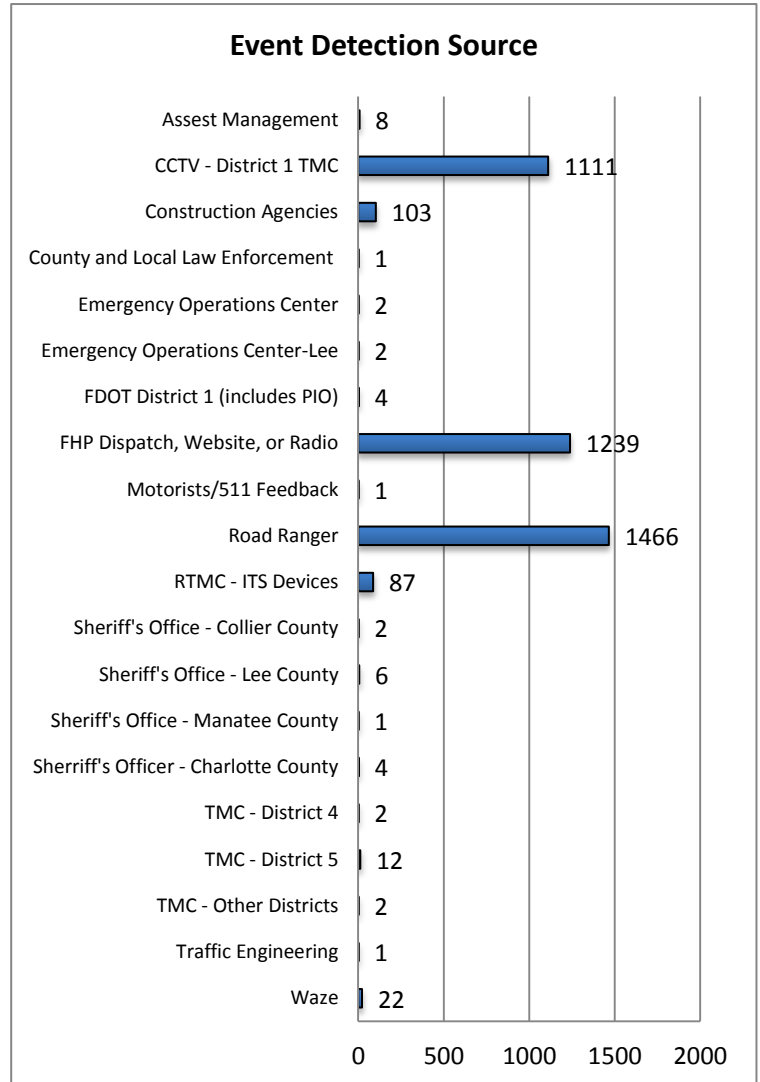
Note: The charts for these tables appear on the following page.





**16. Event Detection Source:**

Assest Management (includes Dbi & ICA)	8	0.2%
CCTV - District 1 TMC	1111	27.3%
CCTV - Other	0	0.0%
Construction Agencies	103	2.5%
County and Local Law Enforcement	1	0.0%
Emergency Operations Center	2	0.0%
Emergency Operations Center-Lee	2	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	1239	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	0	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1466	36.0%
RTMC - ITS Devices (TSS & Safety Barrier)	87	2.1%
RTMC Scanner	0	0.0%
RTMC Staff (On Scene)	0	0.0%
Sherriff's Officer - Charlotte County	4	0.1%
Sheriff's Office - Collier County	2	0.0%
Sheriff's Office - Lee County	6	0.1%
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	12	0.3%
TMC - District 7	0	0.0%
TMC - Other Districts	2	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	1	0.0%
Waze	22	0.5%
<b>Total Number of Incidents</b>	<b>4076</b>	<b>100.0%</b>

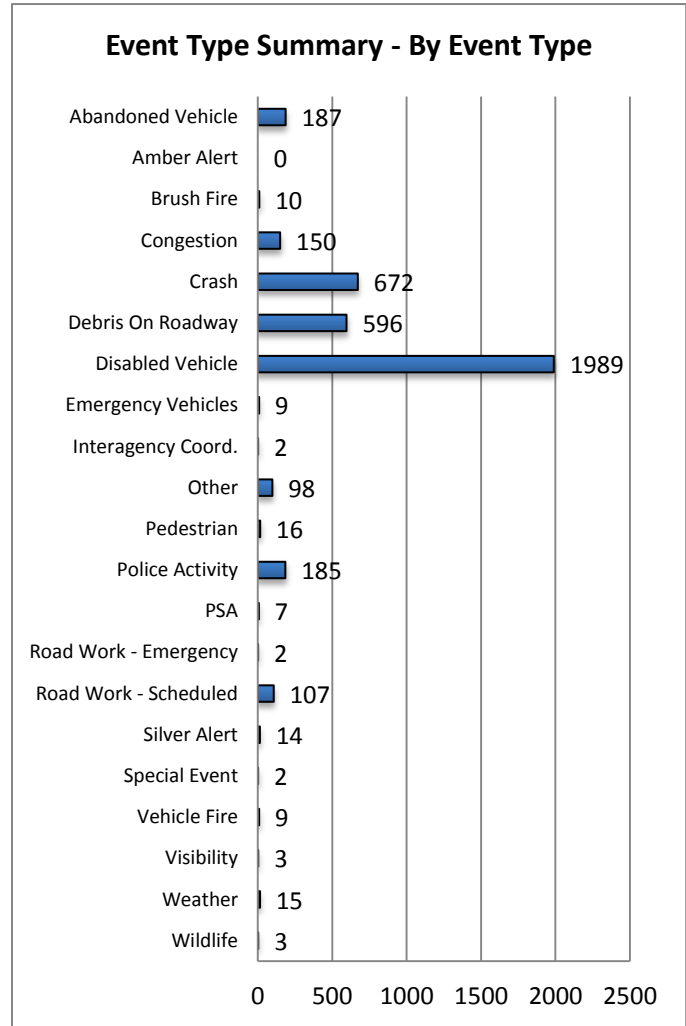


Note: Event Detection Source Categories listed as zero are not included in the above chart.



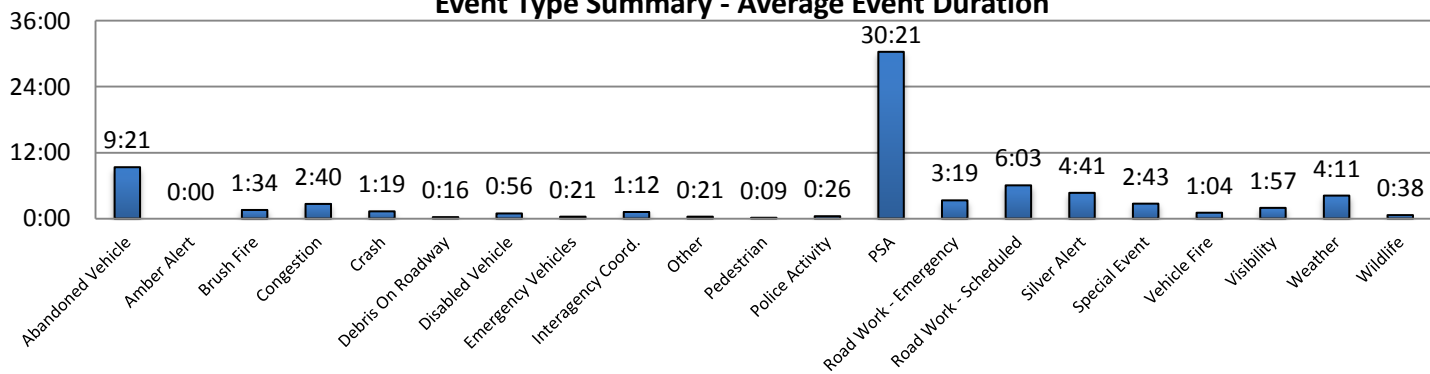
**17. Event Type Summary**

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	187	2:28	9:21
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	10	0:09	1:34
Congestion	150	0:00	2:40
Crash	672	0:57	1:19
Debris On Roadway	596	0:11	0:16
Disabled Vehicle	1989	0:23	0:56
Emergency Vehicles	9	0:17	0:21
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	2	0:00	1:12
LEO Alert	0	0:00	0:00
Other	98	0:08	0:21
Pedestrian	16	0:04	0:09
Police Activity	185	0:20	0:26
PSA	7	0:00	30:21
Road Work - Emergency	2	1:05	3:19
Road Work - Scheduled	107	0:17	6:03
Silver Alert	14	0:00	4:41
Special Event	2	0:00	2:43
Vehicle Fire	9	0:41	1:04
Visibility	3	0:00	1:57
Weather	15	0:00	4:11
Wildlife	3	0:02	0:38
<b>Total Events</b>	<b>4076</b>	<b>0:21</b>	<b>3:40</b>



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	RR115	(Spare Truck)
RR110	MM 136-158		
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

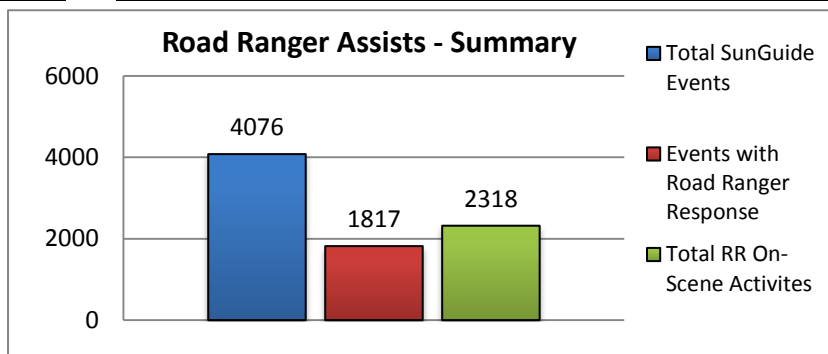
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123	*RR113	I-275 MM 0-13
RR109	MM 143-170		

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

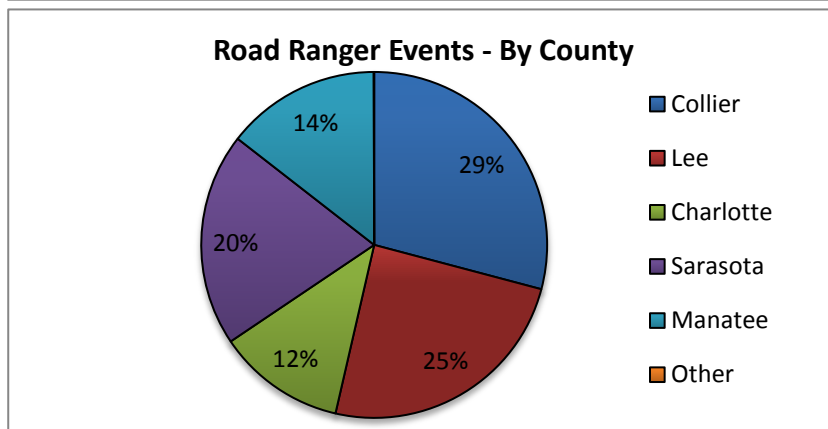
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123	*RR113	I-275 MM 0-13
RR109	MM 143-170		

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4076
Events with Road Ranger Response	1817
Total RR On-Scene Activities	2318
Average Activities/Assisted Event	1.28
% of Events Assisted	44.58%



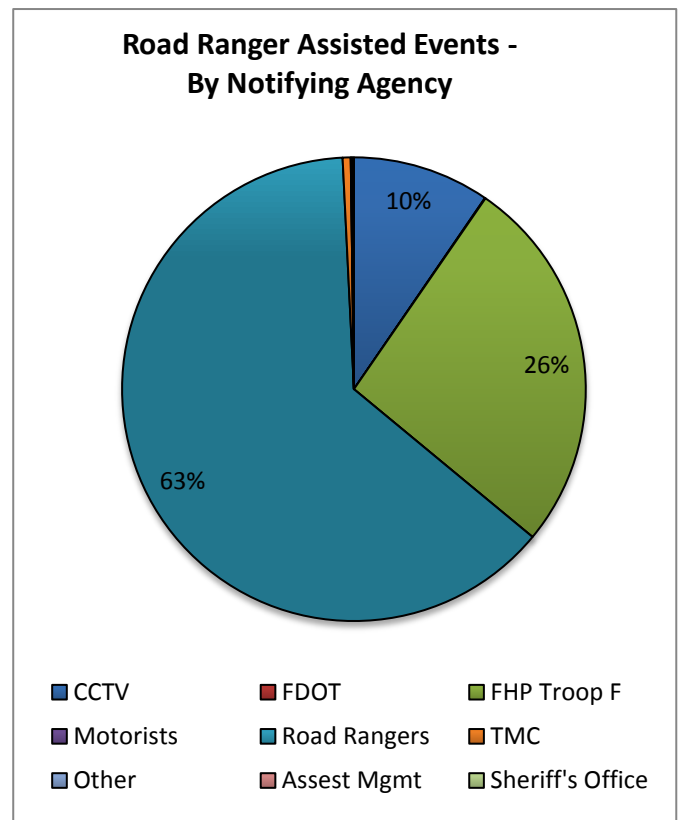
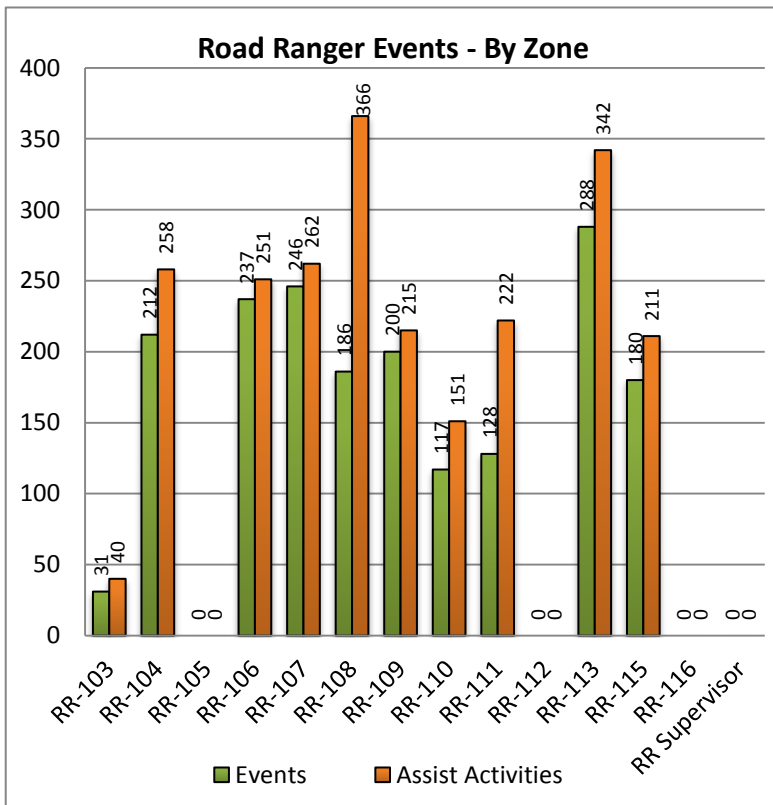
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	676
Lee	568
Charlotte	278
Sarasota	463
Manatee	335
Other	1
Totals	2321





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	31	40
RR-104	212	258
RR-105	0	0
RR-106	237	251
RR-107	246	262
RR-108	186	366
RR-109	200	215
RR-110	117	151
RR-111	128	222
RR-112	0	0
RR-113	288	342
RR-115	180	211
RR-116	0	0
RR Supervisor	0	0
<b>Totals</b>	<b>1825</b>	<b>2318</b>

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	221	9.5%
FDOT	1	0.0%
FHP Troop F	610	26.3%
Motorists	0	0.0%
Road Rangers	1461	62.9%
TMC	13	0.6%
Other	0	0.0%
Assest Mgmt	2	0.1%
Sheriff's Office	3	0.1%
Waze	10	0.4%
<b>Totals</b>	<b>2321</b>	<b>100.0%</b>

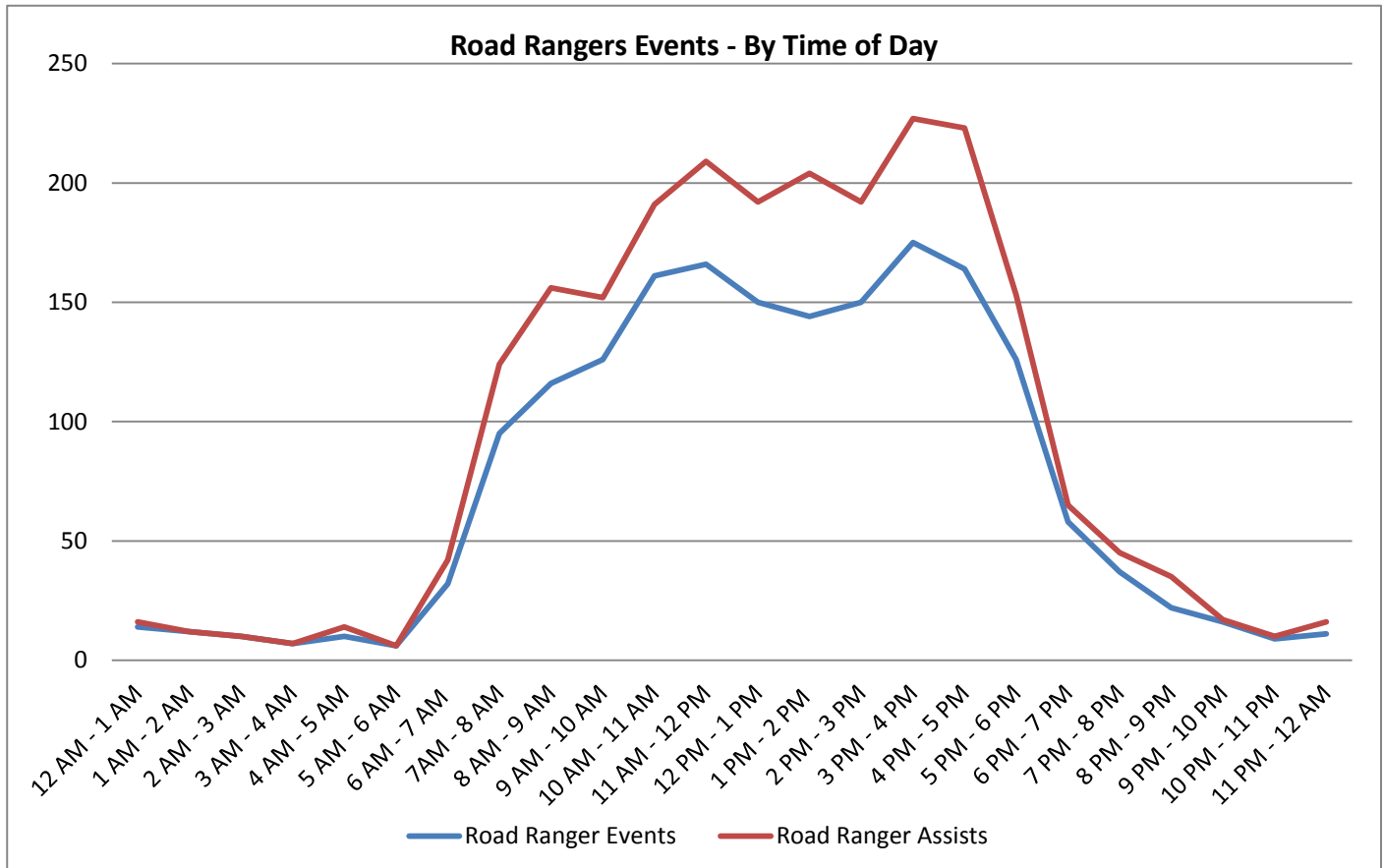




**22. Road Ranger Assisted Events -  
By Time of Day:**

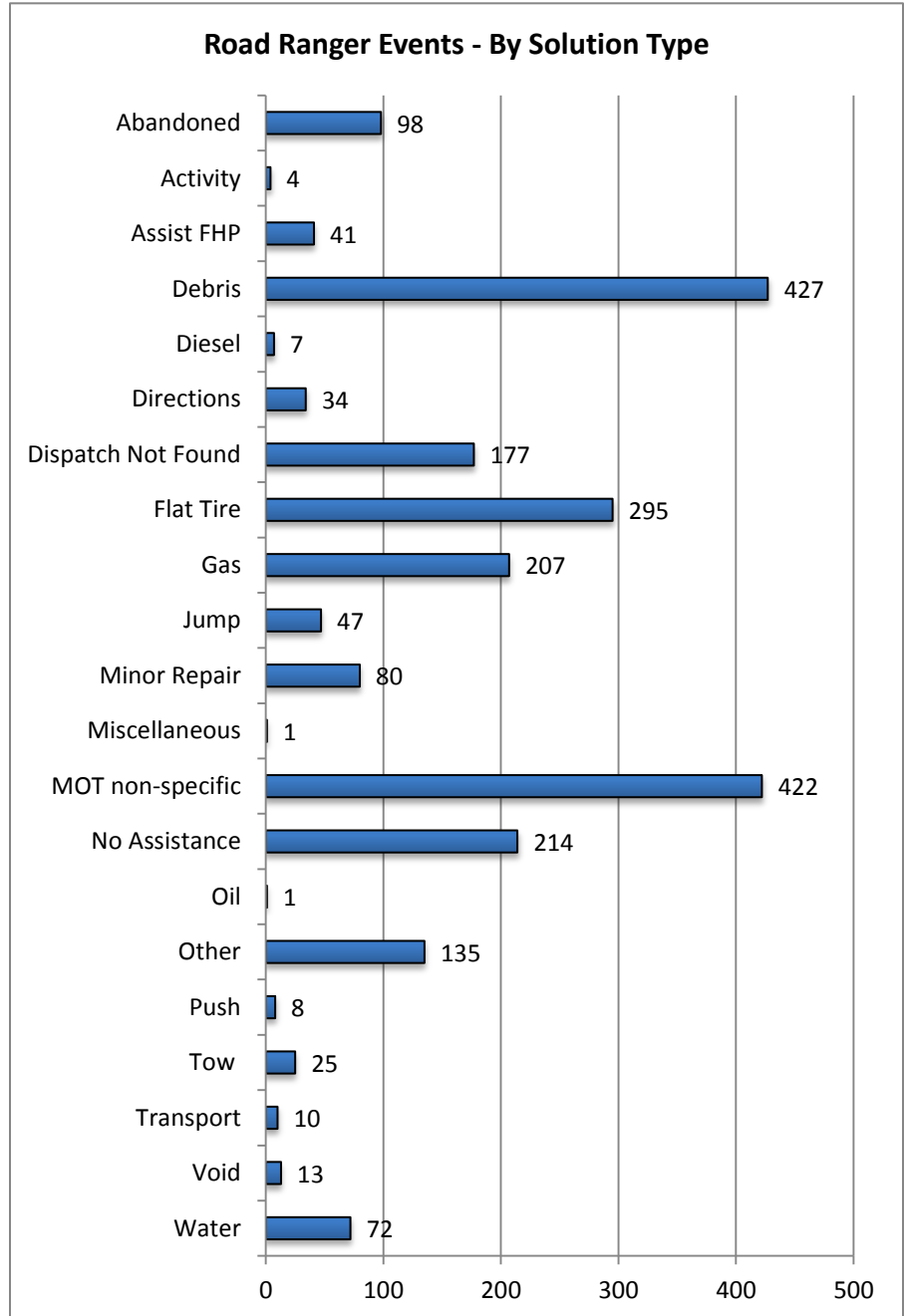
Time of Day	RR Events	RR Assists
12 AM - 1 AM	14	16
1 AM - 2 AM	12	12
2 AM - 3 AM	10	10
3 AM - 4 AM	7	7
4 AM - 5 AM	10	14
5 AM - 6 AM	6	6
6 AM - 7 AM	32	42
7 AM - 8 AM	95	124
8 AM - 9 AM	116	156
9 AM - 10 AM	126	152
10 AM - 11 AM	161	191
11 AM - 12 PM	166	209

Time of Day	RR Events	RR Assists
12 PM - 1 PM	150	192
1 PM - 2 PM	144	204
2 PM - 3 PM	150	192
3 PM - 4 PM	175	227
4 PM - 5 PM	164	223
5 PM - 6 PM	126	153
6 PM - 7 PM	58	65
7 PM - 8 PM	37	45
8 PM - 9 PM	22	35
9 PM - 10 PM	16	17
10 PM - 11 PM	9	10
11 PM - 12 AM	11	16
<b>Totals</b>	<b>1817</b>	<b>2318</b>





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	98
Absorbant	0
Activity	4
Assist FHP	41
Bleach	0
Cold Patch Asphalt	0
Debris	427
Deploy Cones	0
Diesel	7
Directions	34
Dispatch Not Found	177
Flare	0
Flat Tire	295
Flood Lamp	0
Gas	207
Jump	47
Livestock	0
Lockout	0
Minor Repair	80
Miscellaneous	1
MOT non-specific	422
No Assistance	214
Oil	1
Other	135
Phone	0
Portland Cement	0
Push	8
Radio	0
Tow	25
Translate	0
Transmission Fluid	0
Transport	10
Turbo Flare	0
Unsuccessful Repair	0
Void	13
Water	72
Wildlife	0
<b>Total Assist Activities</b>	<b>2318</b>



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