



This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report for August, 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.



<b>1. Total Number of SunGuide Events:</b>	
	5280

<b>2. Number of Lane Blocking Events:</b>	
	321

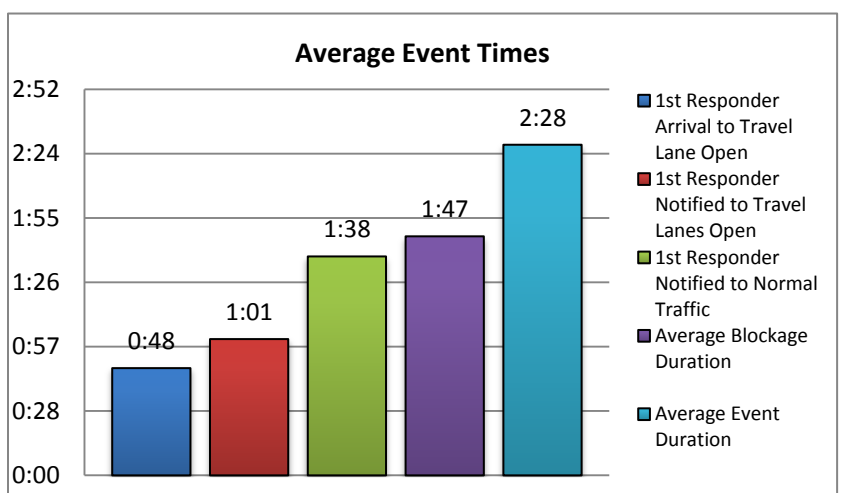
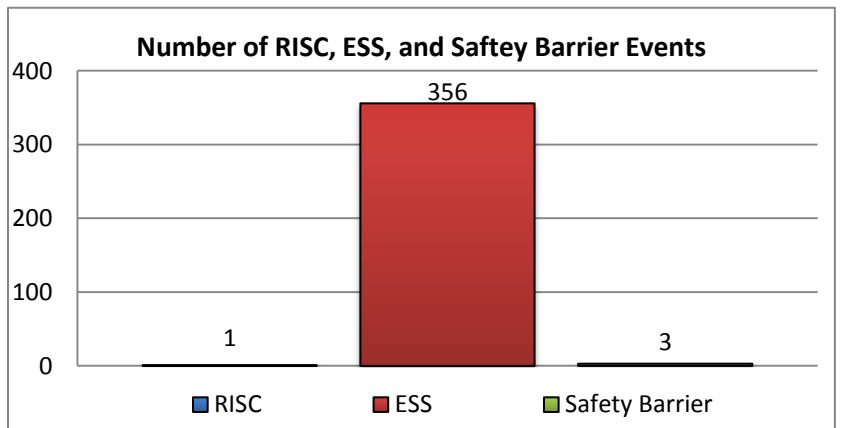
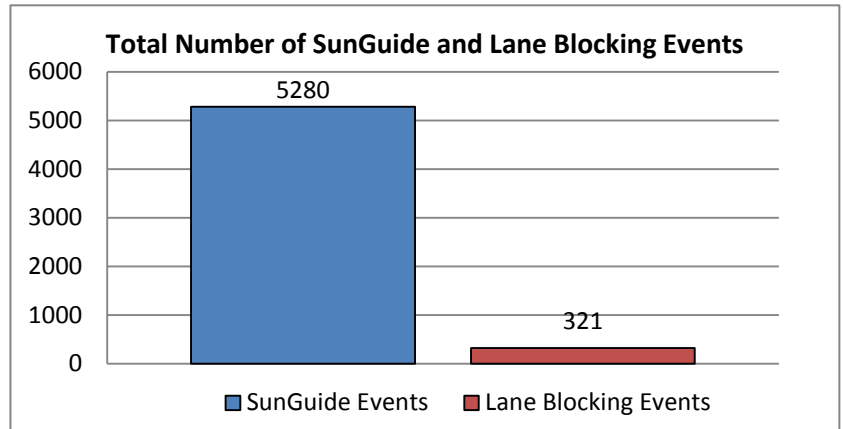
<b>3. Number of RISC Events:</b>	
	1

<b>4. Number of ESS Events:</b>	
	356

<b>5. Events from a Safety Barrier Alert:</b>	
	3

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	0:48
Average Incident Duration From First Responder Notified to Travel Lane Open	1:01
Average Incident Duration From First Responder Notified to Normal Traffic	1:38

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	5280
Number of Lane Blocking Events	321
Number of Secondary Incidents	39
Average Blockage Duration	1:47
Average Event Duration	2:28



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.

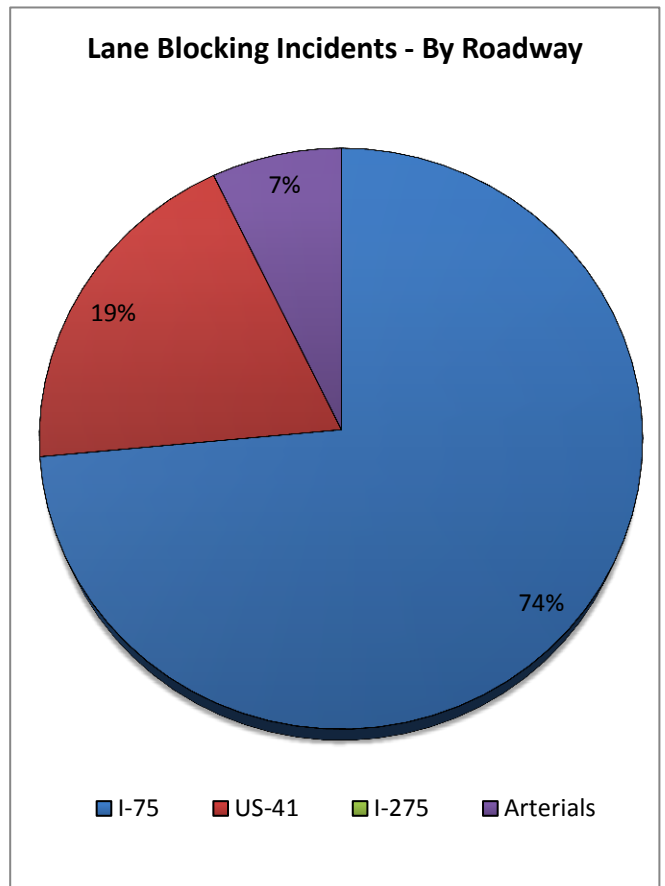
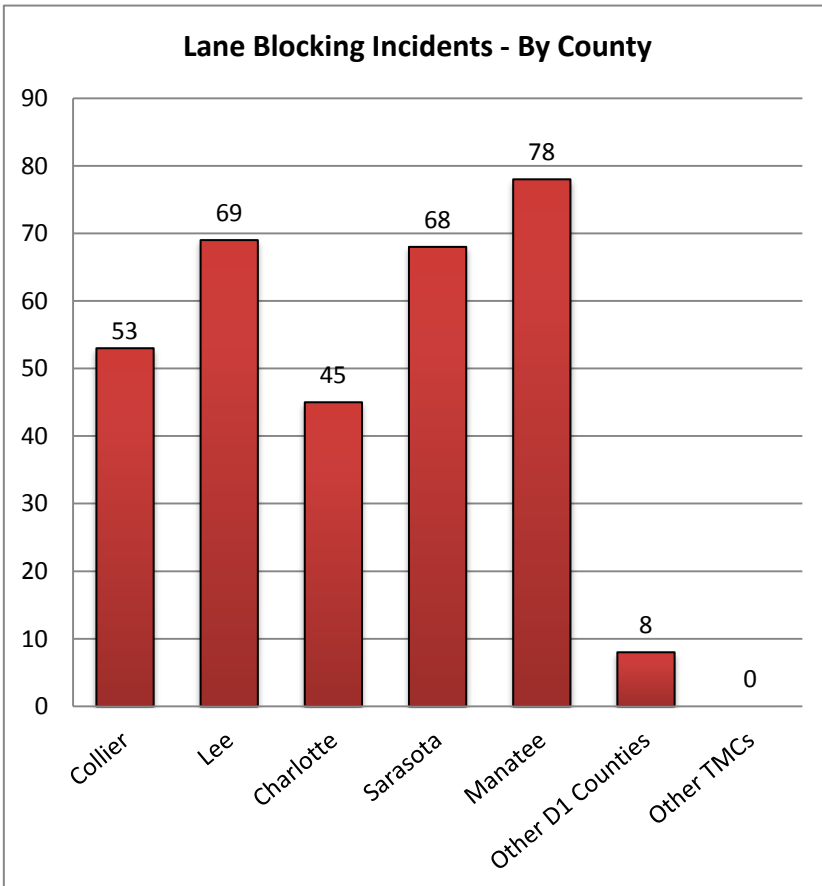


**8. Lane Blocking Incidents - By County and Roadway:**

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	44	53	35	55	49	-
US-41	9	11	10	8	24	-
I-275	-	-	-	-	0	-
Arterials	0	5	0	5	5	8
<b>Total Incidents</b>	<b>53</b>	<b>69</b>	<b>45</b>	<b>68</b>	<b>78</b>	<b>8</b>

Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	236
US-41	0	0	-	-	62
I-275	0	-	-	-	0
Arterials	0	0	0	0	23
<b>Total Incidents</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>321</b>

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



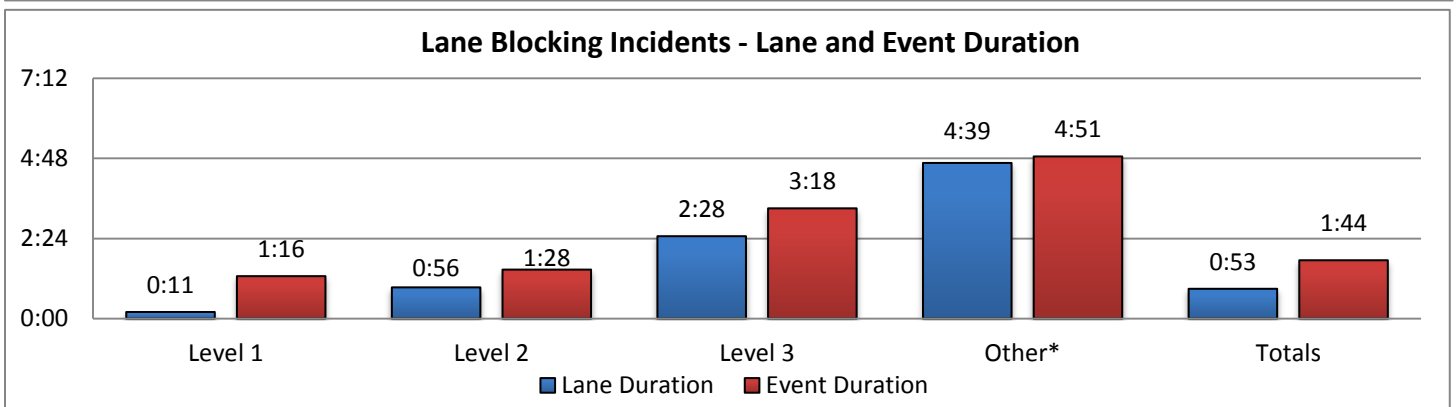
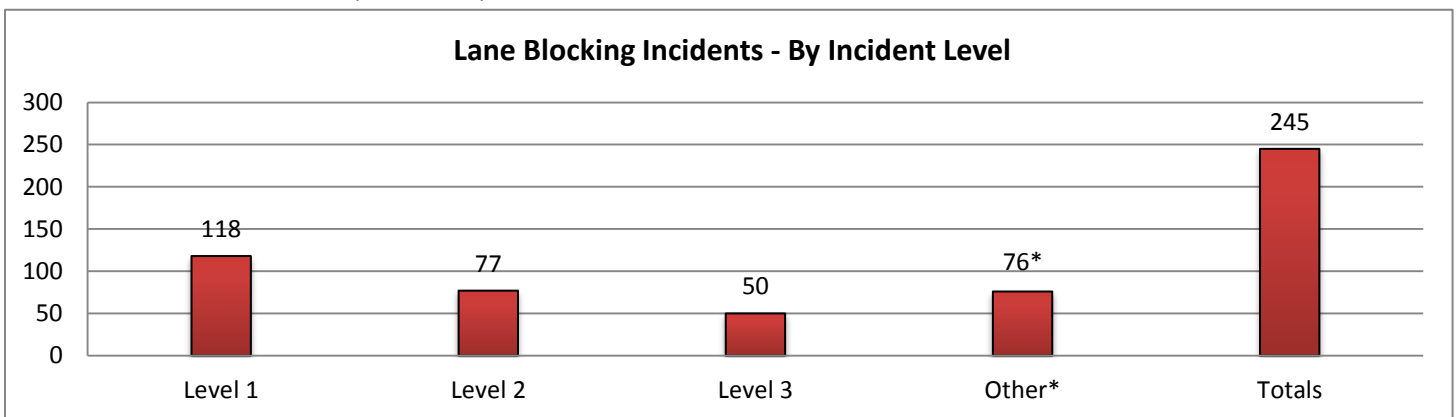


**9. LANE BLOCKING INCIDENTS - By Incident Level:**

	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	19	0:11	1:04	19	0:13	1:03	14	0:13	1:24	35	0:12	1:23
Level 2	9	0:59	1:24	15	0:51	1:28	9	1:00	1:24	22	0:52	1:28
Level 3	13	2:29	3:40	11	2:06	2:38	7	3:05	3:17	9	2:17	3:11
Other*	12*	4:45	4:58	24*	4:03	4:11	15*	6:16	6:26	2*	3:25	3:38
<b>Totals</b>	<b>41</b>	<b>1:05</b>	<b>1:57</b>	<b>45</b>	<b>0:53</b>	<b>1:34</b>	<b>30</b>	<b>1:07</b>	<b>1:50</b>	<b>66</b>	<b>0:42</b>	<b>1:39</b>

	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	31	0:11	1:21	0	0:00	0:00	0	0:00	0:00	118	0:11	1:16
Level 2	21	1:04	1:36	1	0:00	0:00	0	0:00	0:00	77	0:56	1:28
Level 3	8	1:10	2:06	2	8:18	10:04	0	0:00	0:00	50	2:28	3:18
Other*	18*	4:14	4:34	5*	4:39	4:40	0*	0:00	0:00	76*	4:39	4:51
<b>Totals</b>	<b>60</b>	<b>0:37</b>	<b>1:32</b>	<b>3</b>	<b>5:32</b>	<b>6:42</b>	<b>0</b>	<b>0:00</b>	<b>0:00</b>	<b>245</b>	<b>0:53</b>	<b>1:44</b>

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

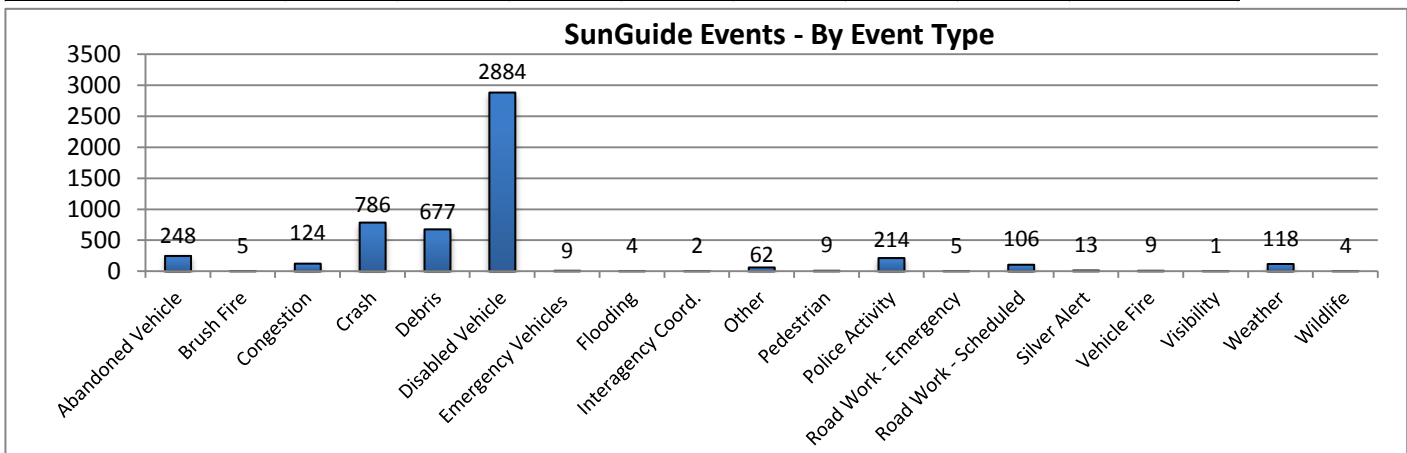




10. SunGuide Events - by Event Type:

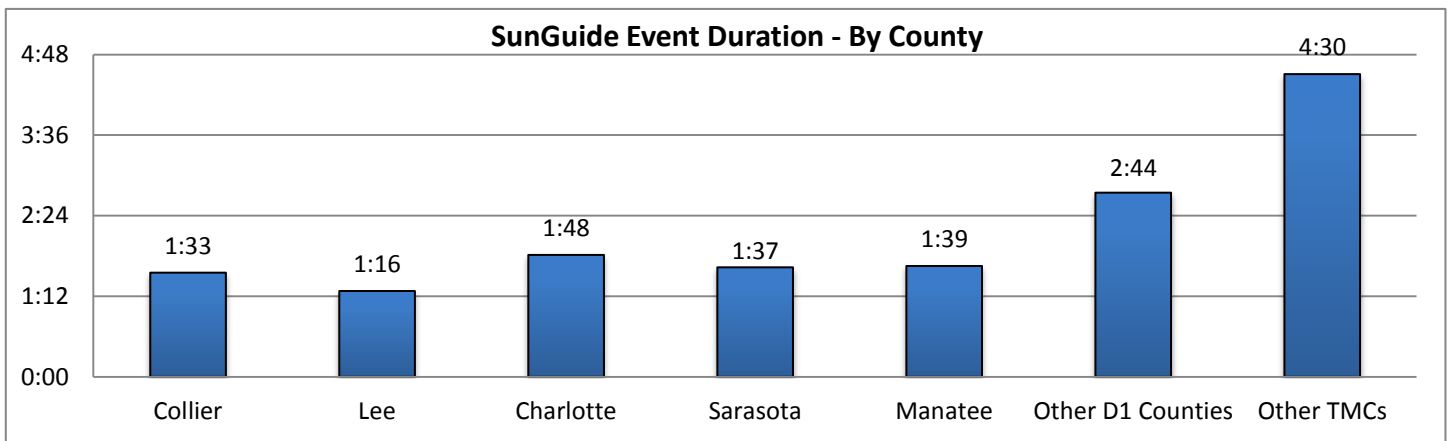
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	58	77	25	45	43	0	0	248
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	0	0	0	3	1	0	1	5
Congestion	4	20	4	37	59	0	0	124
Crash	71	182	51	254	225	3	0	786
Debris	94	169	63	204	146	1	0	677
Disabled Vehicle	967	773	200	526	415	0	3	2884
Emergency Vehicles	1	3	1	3	1	0	0	9
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	1	2	1	0	0	0	4
Interagency Coord.	0	1	0	0	1	0	0	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	1	29	8	10	14	0	0	62
Pedestrian	1	0	3	1	4	0	0	9
Police Activity	58	97	16	22	21	0	0	214
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	2	1	1	1	0	0	0	5
Road Work - Scheduled	14	25	15	9	38	5	0	106
Silver Alert	0	13	0	0	0	0	0	13
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	2	2	1	2	2	0	0	9
Visibility	0	0	0	1	0	0	0	1
Weather	27	24	18	28	21	0	0	118
Wildlife	3	0	1	0	0	0	0	4
<b>Total Incidents</b>	<b>1303</b>	<b>1417</b>	<b>409</b>	<b>1147</b>	<b>991</b>	<b>9</b>	<b>4</b>	<b>5280</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	12:34	7:43	8:47	8:48	9:40	0:00	0:00	9:29
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	0:00	0:00	0:00	0:56	0:14	0:00	17:34	4:07
Congestion	0:47	1:12	1:20	0:58	0:50	0:00	0:00	0:56
Crash	1:42	1:05	1:20	1:18	1:27	3:09	0:00	1:20
Debris	0:18	0:13	1:00	0:26	0:21	1:45	0:00	0:23
Disabled Vehicle	1:00	0:51	1:00	1:44	1:18	0:00	0:09	1:08
Emergency Vehicles	6:36	0:38	2:17	1:24	0:09	0:00	0:00	1:40
Evacuation	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Flooding	0:00	8:17	4:15	0:52	0:00	0:00	0:00	4:24
Interagency Coord.	0:00	0:01	0:00	0:00	0:13	0:00	0:00	0:07
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	1:45	0:21	0:15	0:34	0:30	0:00	0:00	0:25
Pedestrian	0:41	0:00	0:05	0:04	0:13	0:00	0:00	0:12
Police Activity	0:22	0:25	0:46	0:13	0:14	0:00	0:00	0:23
PSA	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Emergency	2:06	4:12	10:42	0:17	0:00	0:00	0:00	3:52
Road Work - Scheduled	4:20	4:25	6:48	2:20	4:56	2:41	0:00	4:40
Silver Alert	0:00	4:37	0:00	0:00	0:00	0:00	0:00	4:37
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	0:31	1:21	0:26	1:07	1:31	0:00	0:00	1:02
Visibility	0:00	0:00	0:00	2:11	0:00	0:00	0:00	2:11
Weather	2:45	2:40	2:38	2:18	2:23	0:00	0:00	2:32
Wildlife	0:56	0:00	0:46	0:00	0:00	0:00	0:00	0:53
<b>Total Incidents</b>	<b>1:33</b>	<b>1:16</b>	<b>1:48</b>	<b>1:37</b>	<b>1:39</b>	<b>2:44</b>	<b>4:30</b>	<b>1:32</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
2404	391	6	2:41

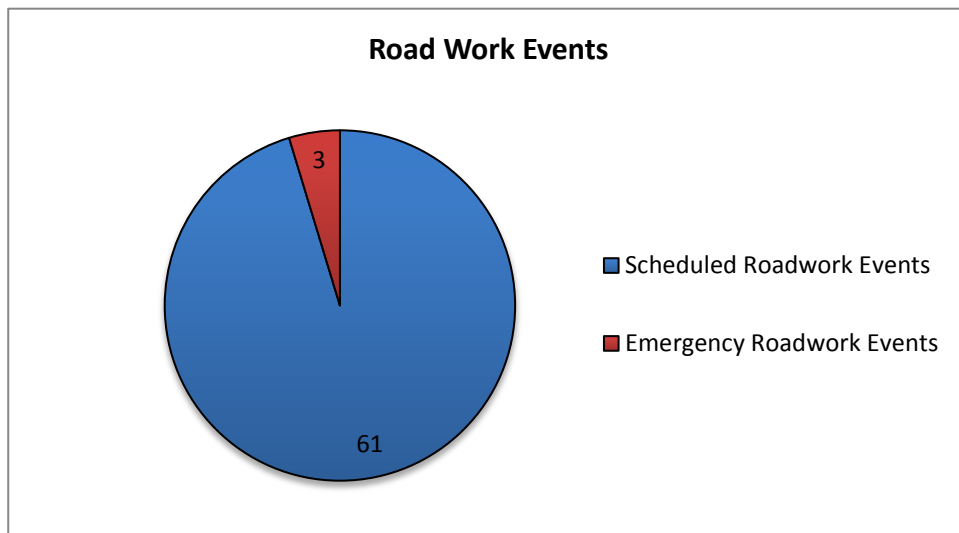
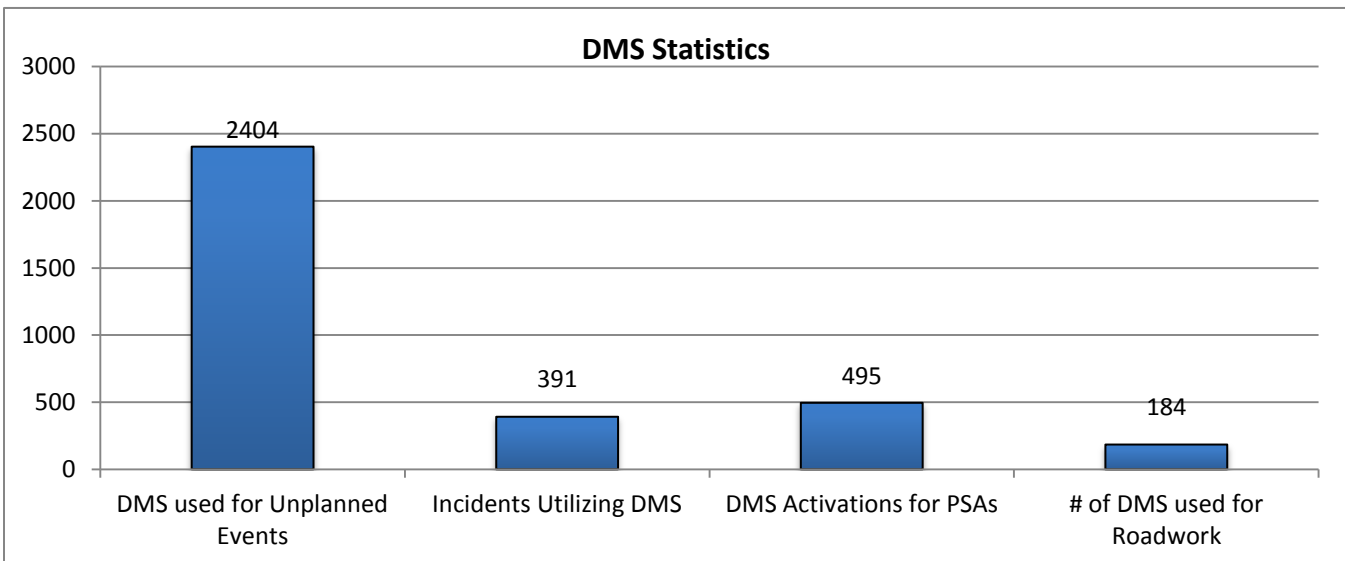
**13. PSA - DMS Activations:**

Number of Public Service Announcement DMS Activations
495

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

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
61	3	64
# DMS Used for Road Work		Average # of DMS/Pattern
184		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	0	Mile <49	0
Mile 49-79.9	205	Mile 49-79.9	253
Mile 80-100.9	243	Mile 80-100.9	212
Mile 101-104.9	36	Mile 101-104.9	21
Mile 105-106.9	32	Mile 105-106.9	43
Mile 107-110.9	64	Mile 107-110.9	61
Mile 111-115.9	68	Mile 111-115.9	57
Mile 116-122.9	159	Mile 116-122.9	141
Mile 123-127.9	122	Mile 123-127.9	83
Mile 128-130.9	62	Mile 128-130.9	62
Mile 131-135.9	93	Mile 131-135.9	57
Mile 136 -137.9	38	Mile 136 -137.9	11
Mile 138 -138.9	35	Mile 138 -138.9	17
Mile 139 - 140.9	86	Mile 139 - 140.9	30
Mile 141 - 142.9	52	Mile 141 - 142.9	48
Mile 143 - 157.9	165	Mile 143 - 157.9	139
Mile 158 - 160.9	38	Mile 158 - 160.9	21
Mile 161 - 163.9	21	Mile 161 - 163.9	29
Mile 164 - 166.9	27	Mile 164 - 166.9	22
Mile 167 -169.9	43	Mile 167 -169.9	25
Mile 170 - 178.9	96	Mile 170 - 178.9	21
Mile 179 - 181.9	29	Mile 179 - 181.9	17
Mile 182 - 190.9	64	Mile 182 - 190.9	97
Mile 191 - 192.9	25	Mile 191 - 192.9	30
Mile 193 - 194.9	19	Mile 193 - 194.9	26
Mile 195 -199.9	64	Mile 195 -199.9	47
Mile 200 - 204.9	69	Mile 200 - 204.9	75
Mile 205 - 206.9	57	Mile 205 - 206.9	26
Mile 207 - 209.9	48	Mile 207 - 209.9	41
Mile 210 -212.9	81	Mile 210 -212.9	88
Mile 213 - 216.9	108	Mile 213 - 216.9	104
Mile 217 - 219.9	93	Mile 217 - 219.9	74
Mile 220 - 223.9	83	Mile 220 - 223.9	78
Mile 224 -227.9	95	Mile 224 -227.9	77
Mile 228 - 228.9	27	Mile 228 - 228.9	23
Mile 229 -229.9	0	Mile 229 -229.9	0
Mile 230 - 239.9	6	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
<b>North Total</b>	<b>2553</b>	<b>South Total</b>	<b>2156</b>

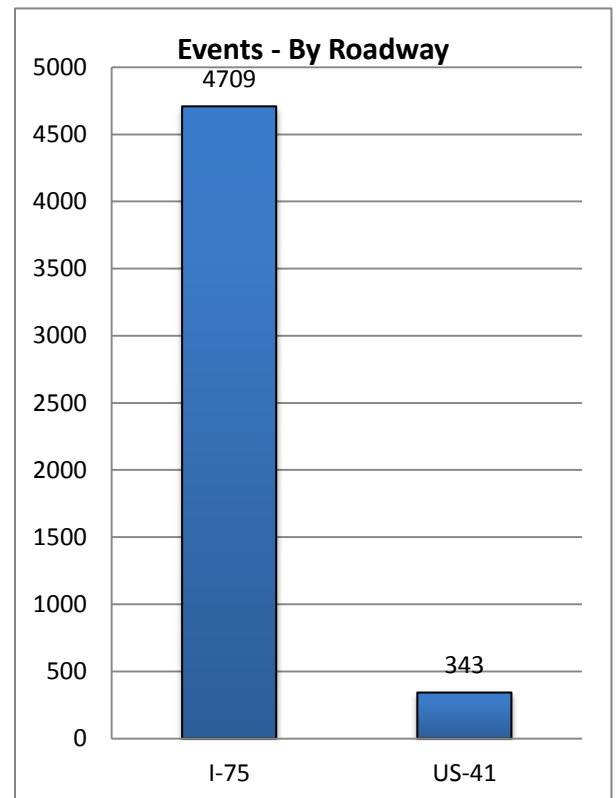
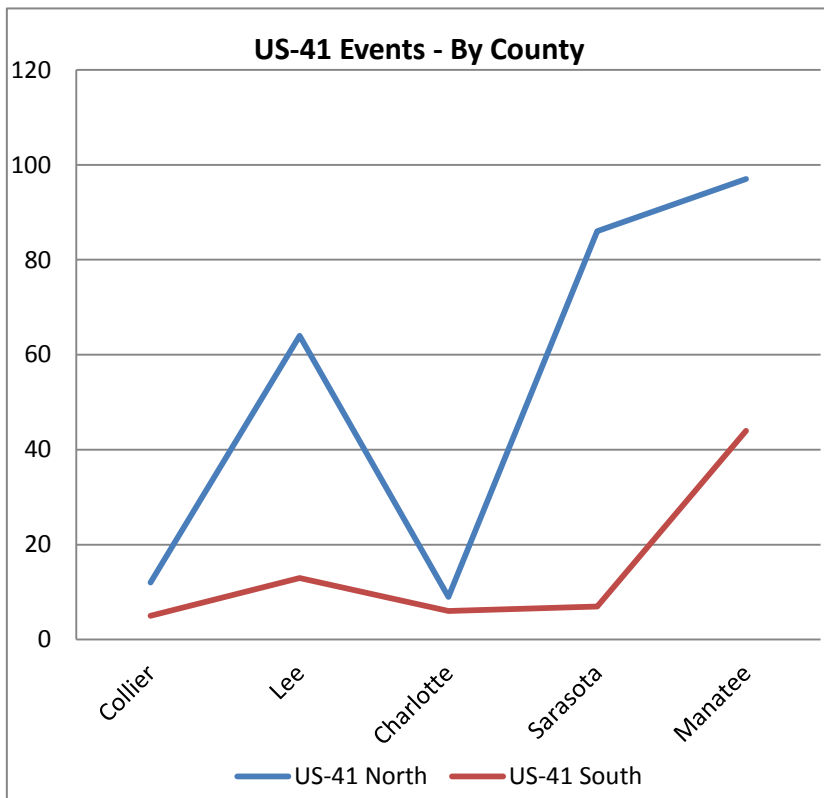
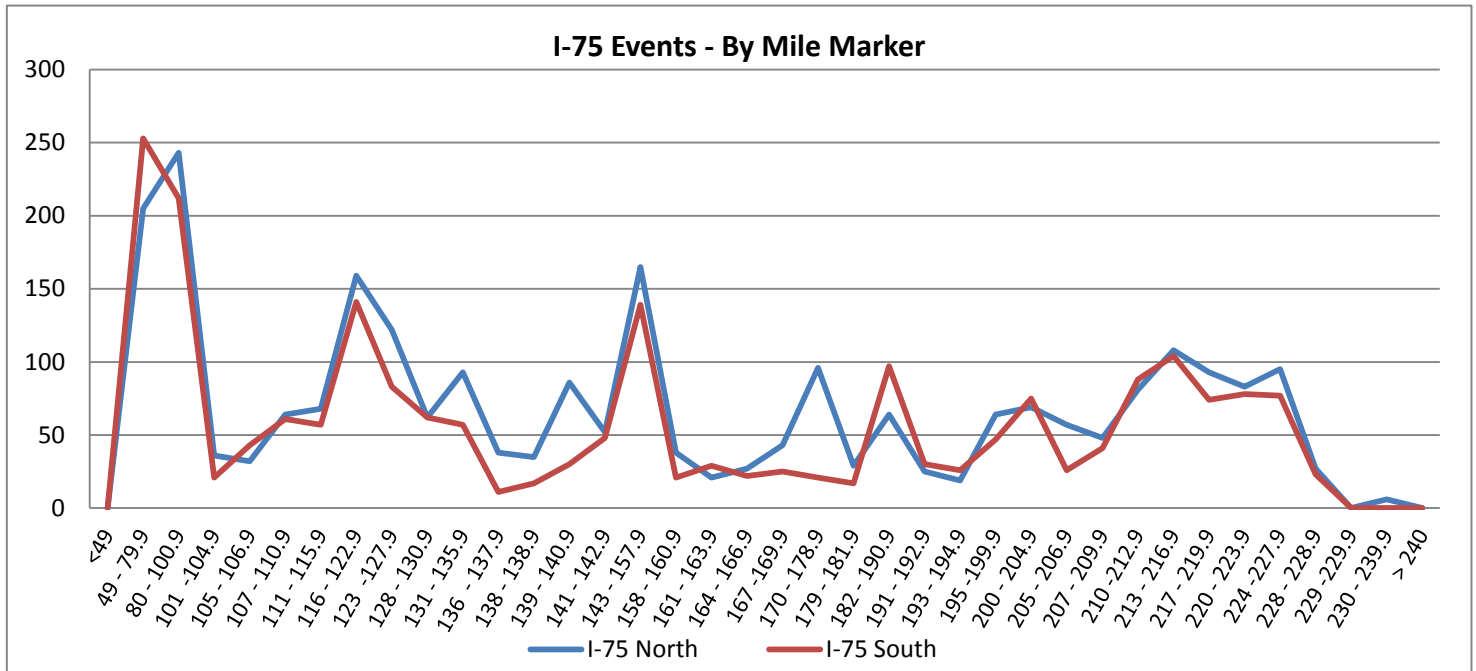
US-41 Northbound	
Collier	12
Lee	64
Charlotte	9
Sarasota	86
Manatee	97
<b>North Total</b>	<b>268</b>

US-41 Southbound	
Collier	5
Lee	13
Charlotte	6
Sarasota	7
Manatee	44
<b>South Total</b>	<b>75</b>

<b>Total Events on US-41</b>
343

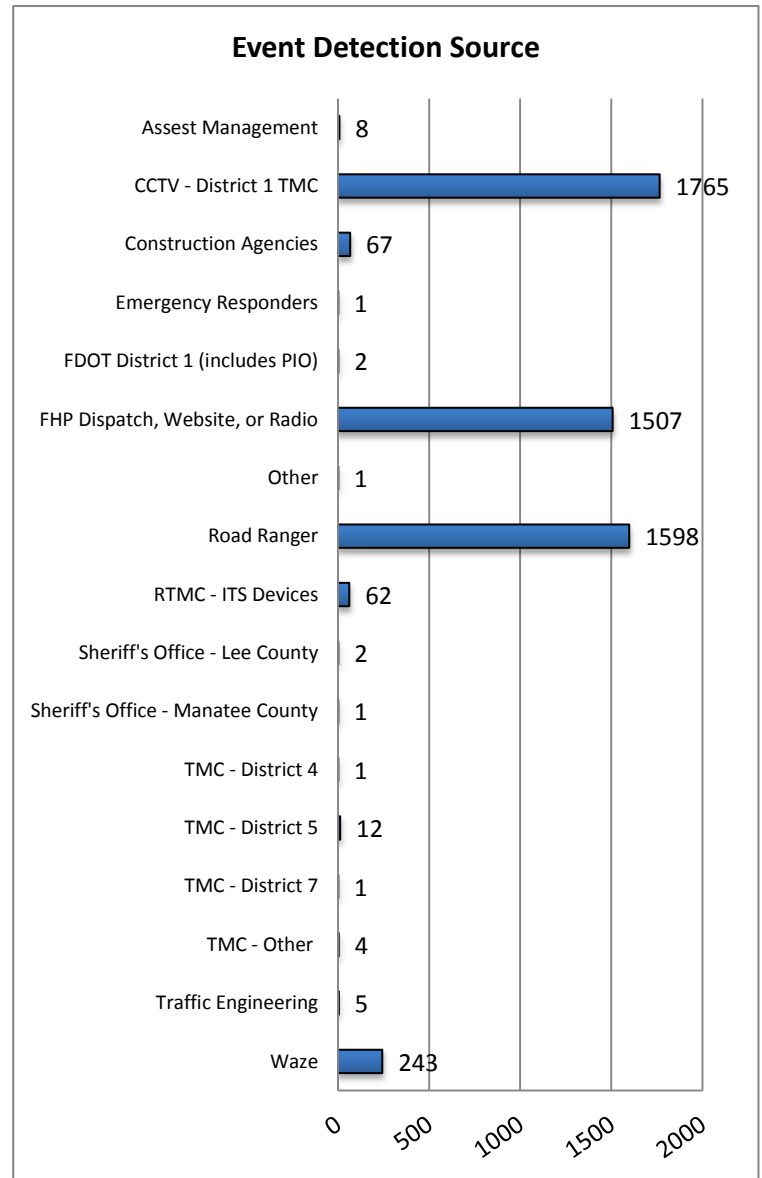
<b>Total Events on I-75</b>
4709

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	1765	33.4%
CCTV - Other	0	0.0%
Construction Agencies	67	1.3%
County and Local Law Enforcement	0	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	1	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	2	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1507	28.5%
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	1	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1598	30.3%
RTMC - ITS Devices (TSS & Safety Barrier)	62	1.2%
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	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	1	0.0%
TMC - District 5	12	0.2%
TMC - District 7	1	0.0%
TMC - Other	4	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	5	0.1%
Waze	243	4.6%
<b>Total Number of Incidents</b>	<b>5280</b>	<b>100.0%</b>

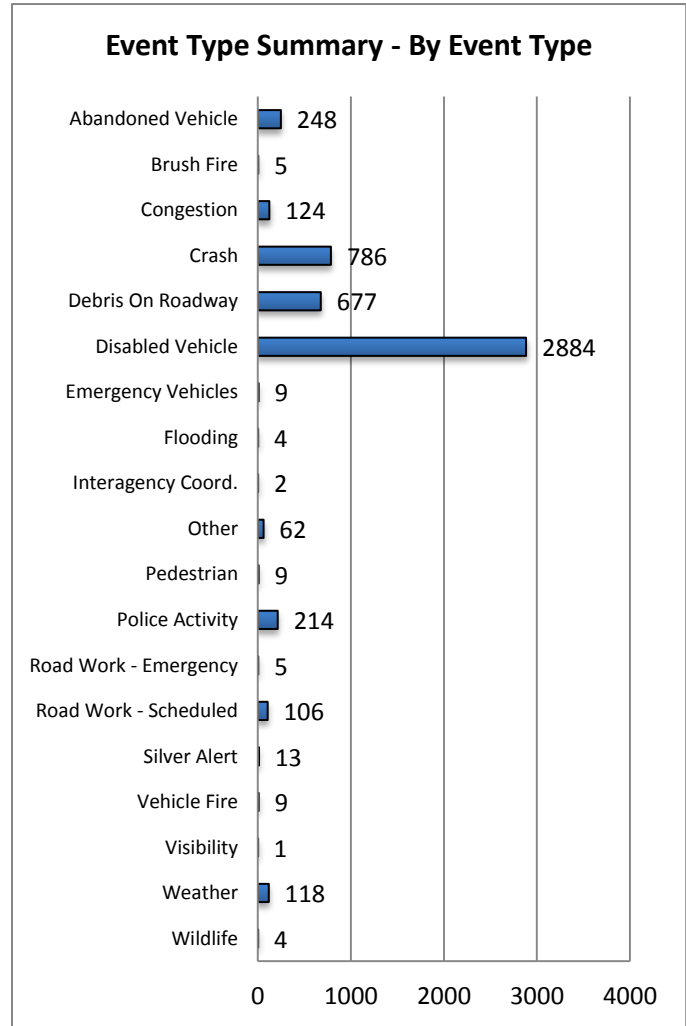


Note: Event Detection Source Categories listed as zero are not included in the above chart.



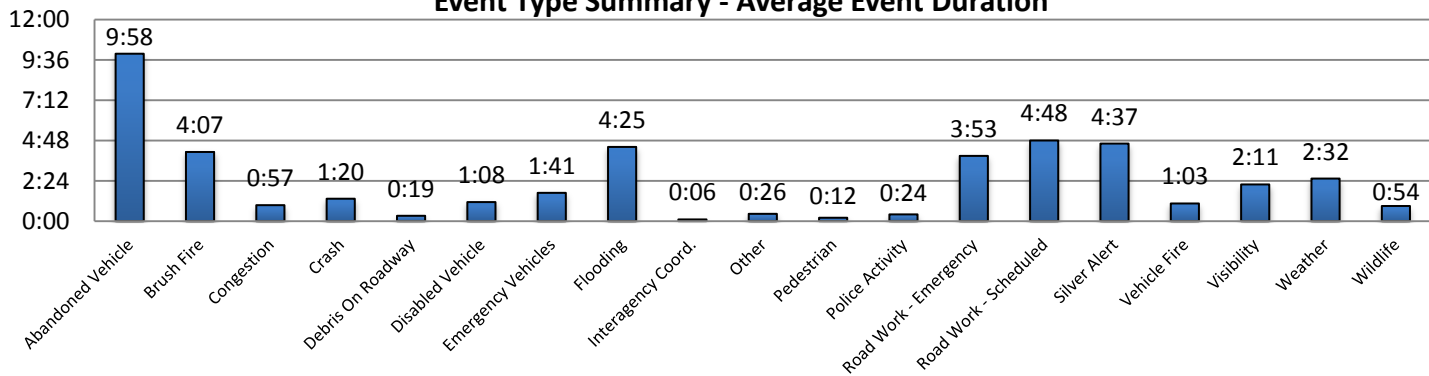
**17. Event Type Summary**

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	248	1:28	9:58
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	5	0:30	4:07
Congestion	124	0:00	0:57
Crash	786	0:58	1:20
Debris On Roadway	677	0:11	0:19
Disabled Vehicle	2884	0:21	1:08
Emergency Vehicles	9	1:21	1:41
Evacuation	0	0:00	0:00
Flooding	4	0:00	4:25
Interagency Coord.	2	0:00	0:06
LEO Alert	0	0:00	0:00
Other	62	0:08	0:26
Pedestrian	9	0:02	0:12
Police Activity	214	0:16	0:24
PSA	0	0:00	0:00
Road Work - Emergency	5	0:41	3:53
Road Work - Scheduled	106	0:06	4:48
Silver Alert	13	0:00	4:37
Special Event	0	0:00	0:00
Vehicle Fire	9	0:44	1:03
Visibility	1	0:00	2:11
Weather	118	0:00	2:32
Wildlife	4	0:00	0:54
<b>Total Events</b>	<b>5280</b>	<b>0:33</b>	<b>2:22</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 &
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

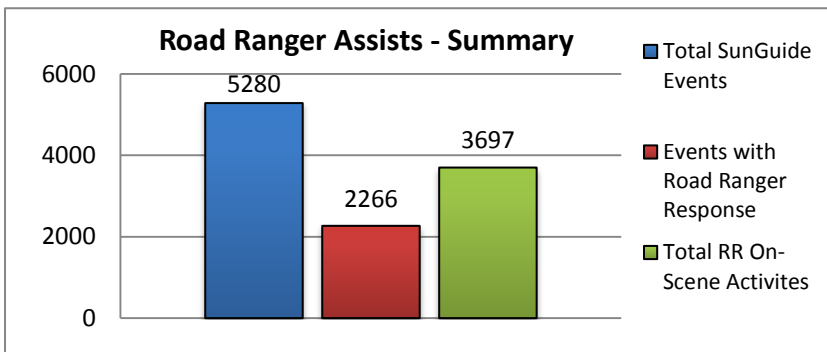
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

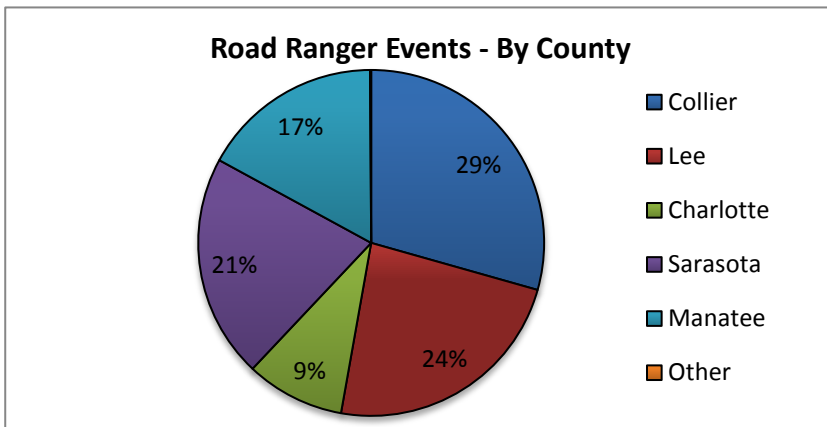
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	5280
Events with Road Ranger Response	2266
Total RR On-Scene Activities	3697
Average Activities/Assisted Event	1.63
% of Events Assisted	42.92%



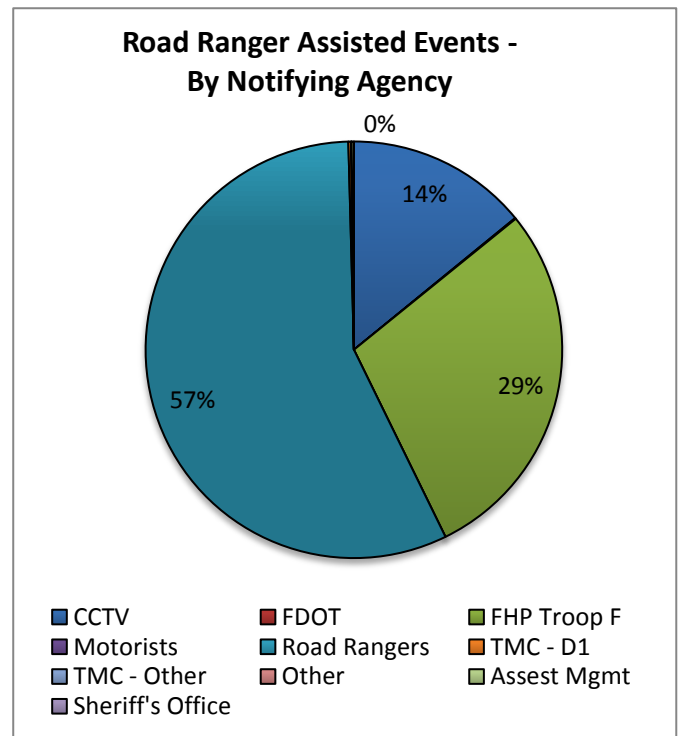
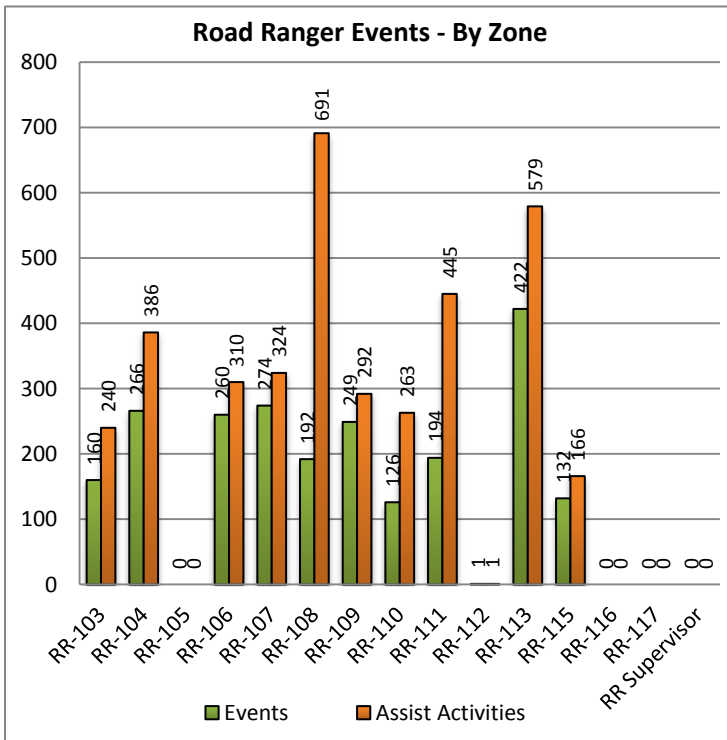
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	856
Lee	682
Charlotte	269
Sarasota	609
Manatee	494
Other	3
Totals	2913





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	160	240
RR-104	266	386
RR-105	0	0
RR-106	260	310
RR-107	274	324
RR-108	192	691
RR-109	249	292
RR-110	126	263
RR-111	194	445
RR-112	1	1
RR-113	422	579
RR-115	132	166
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
<b>Totals</b>	<b>2276</b>	<b>3697</b>

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	396	13.6%
FDOT	2	0.1%
FHP Troop F	803	27.6%
Motorists	0	0.0%
Road Rangers	1596	54.8%
TMC - D1	6	0.2%
TMC - Other	1	0.0%
Other	0	0.0%
Assest Mgmt	5	0.2%
Sheriff's Office	0	0.0%
Waze	104	3.6%
<b>Totals</b>	<b>2913</b>	<b>100.0%</b>

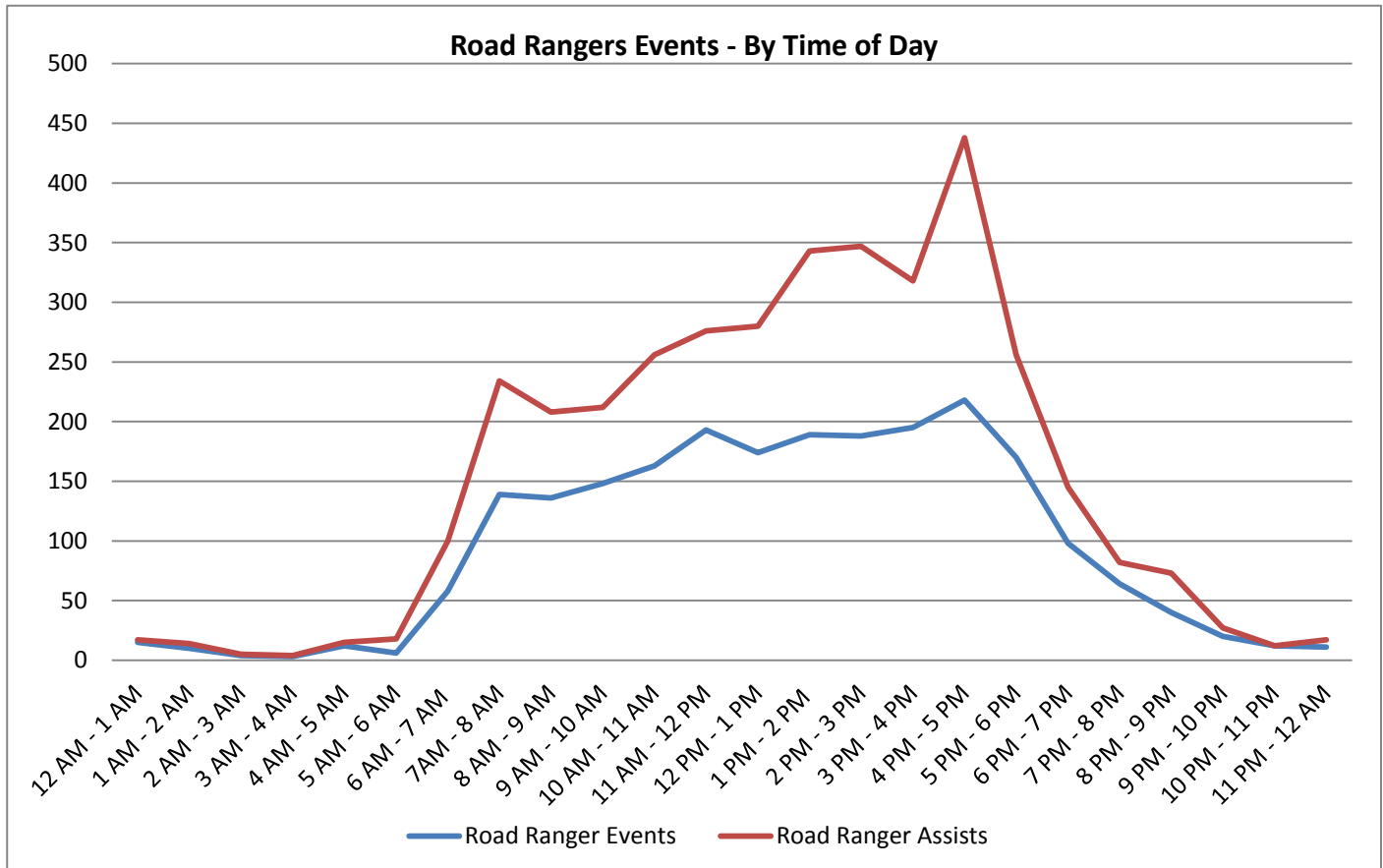




**22. Road Ranger Assisted Events -  
By Time of Day:**

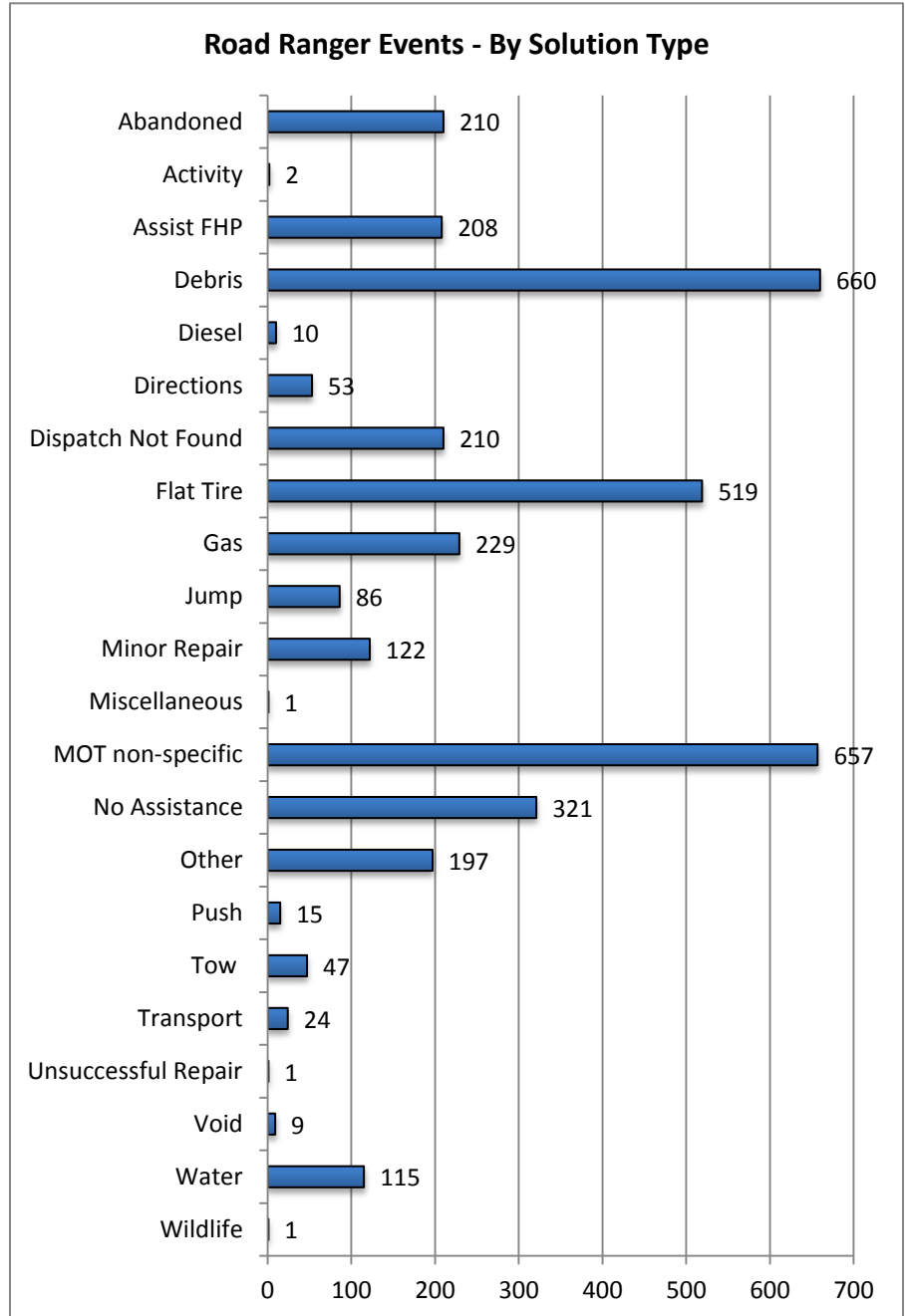
Time of Day	RR Events	RR Assists
12 AM - 1 AM	15	17
1 AM - 2 AM	10	14
2 AM - 3 AM	4	5
3 AM - 4 AM	3	4
4 AM - 5 AM	12	15
5 AM - 6 AM	6	18
6 AM - 7 AM	58	100
7 AM - 8 AM	139	234
8 AM - 9 AM	136	208
9 AM - 10 AM	148	212
10 AM - 11 AM	163	256
11 AM - 12 PM	193	276

Time of Day	RR Events	RR Assists
12 PM - 1 PM	174	280
1 PM - 2 PM	189	343
2 PM - 3 PM	188	347
3 PM - 4 PM	195	318
4 PM - 5 PM	218	438
5 PM - 6 PM	170	256
6 PM - 7 PM	98	145
7 PM - 8 PM	64	82
8 PM - 9 PM	40	73
9 PM - 10 PM	20	27
10 PM - 11 PM	12	12
11 PM - 12 AM	11	17
<b>Totals</b>	<b>2266</b>	<b>3697</b>





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	210
Absorbant	0
Activity	2
Assist FHP	208
Bleach	0
Cold Patch Asphalt	0
Debris	660
Deploy Cones	0
Diesel	10
Directions	53
Dispatch Not Found	210
Flare	0
Flat Tire	519
Flood Lamp	0
Gas	229
Jump	86
Livestock	0
Lockout	0
Minor Repair	122
Miscellaneous	1
MOT non-specific	657
No Assistance	321
Oil	0
Other	197
Phone	0
Portland Cement	0
Push	15
Radio	0
Tow	47
Translate	0
Transmission Fluid	0
Transport	24
Turbo Flare	0
Unsuccessful Repair	1
Void	9
Water	115
Wildlife	1
<b>Total Assist Activities</b>	<b>3697</b>



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