



This is the FDOT District 1 Swift SunGuide Center Monthly Operations Report, for October 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>	
	4349

<b>2. Number of Lane Blocking Events:</b>	
	285

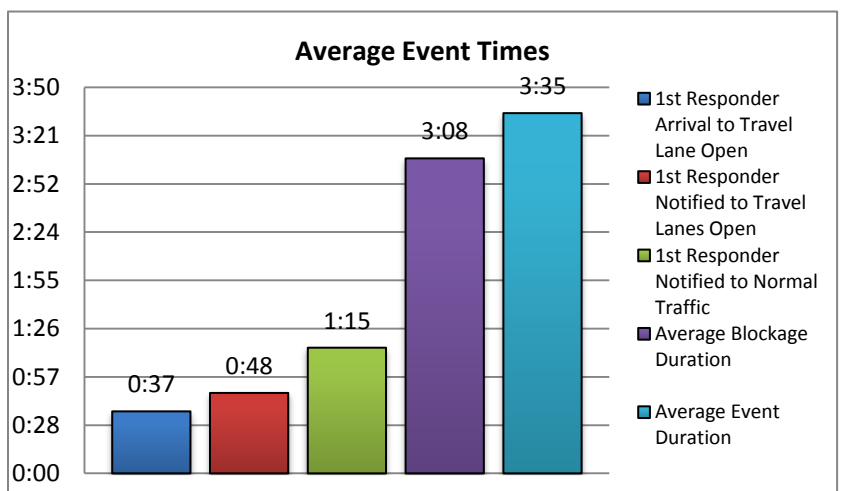
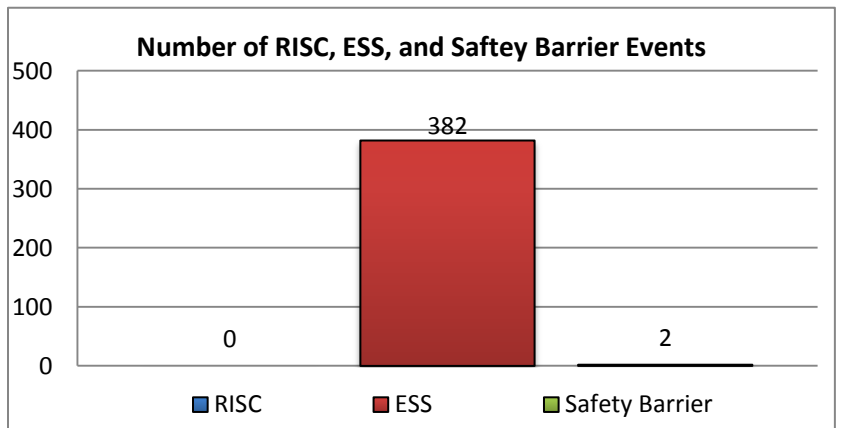
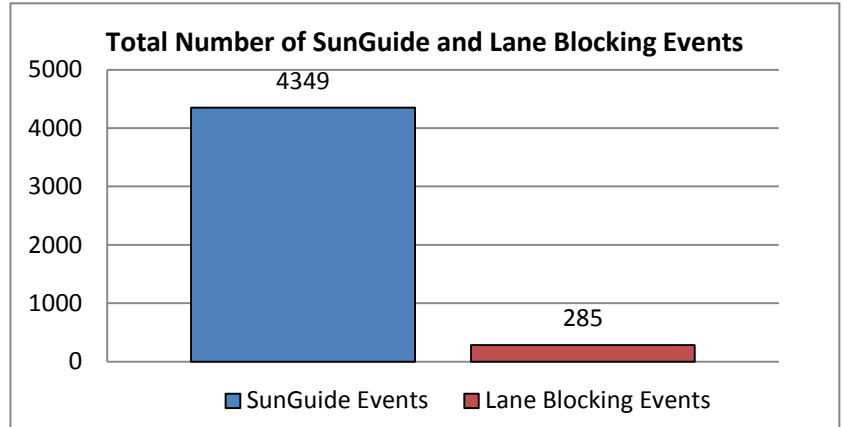
<b>3. Number of RISC Events:</b>	
	0

<b>4. Number of ESS Events:</b>	
	382

<b>5. Events from a Safety Barrier Alert:</b>	
	2

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	0:37
Average Incident Duration From First Responder Notified to Travel Lane Open	0:48
Average Incident Duration From First Responder Notified to Normal Traffic	1:15

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4349
Number of Lane Blocking Events	285
Number of Secondary Incidents	14
Average Blockage Duration	3:08
Average Event Duration	3:35



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.



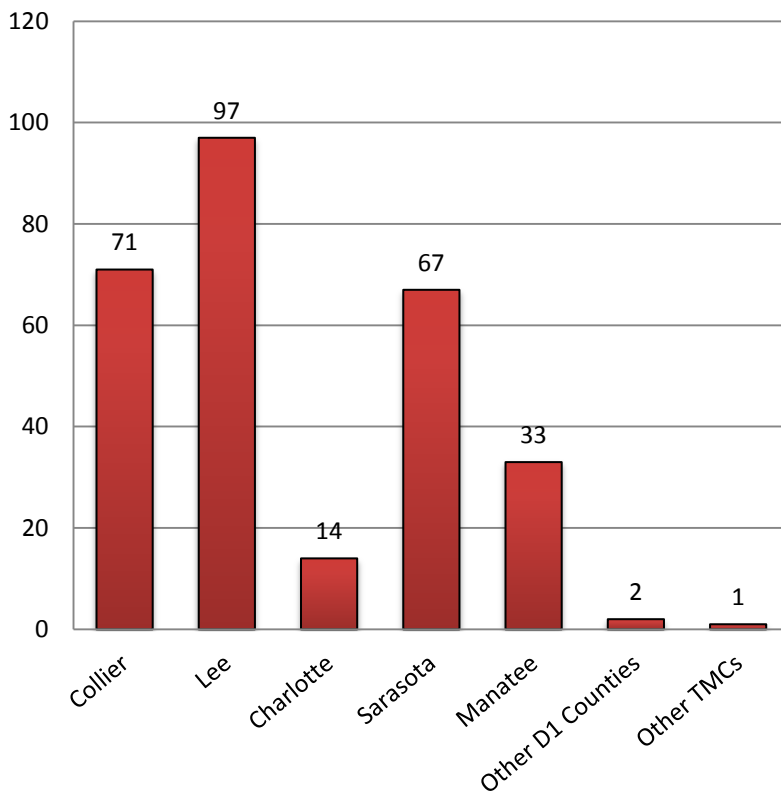
**8. Lane Blocking Incidents - By County and Roadway:**

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	39	46	8	43	23	-
US-41	31	51	6	24	7	-
I-275	-	-	-	-	0	-
Arterials	1	0	0	0	3	2
<b>Total Incidents</b>	<b>71</b>	<b>97</b>	<b>14</b>	<b>67</b>	<b>33</b>	<b>2</b>

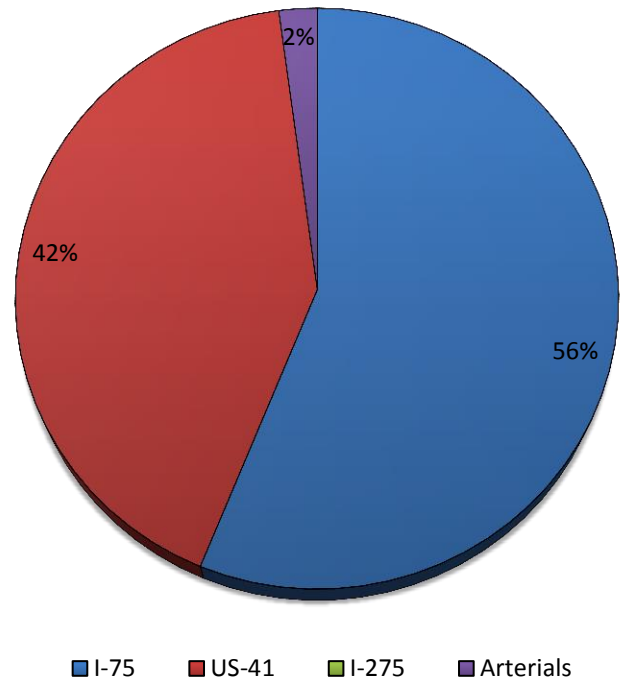
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	1	-	160
US-41	0	0	-	-	119
I-275	0	-	-	-	0
Arterials	0	0	0	0	6
<b>Total Incidents</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>285</b>

\*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**



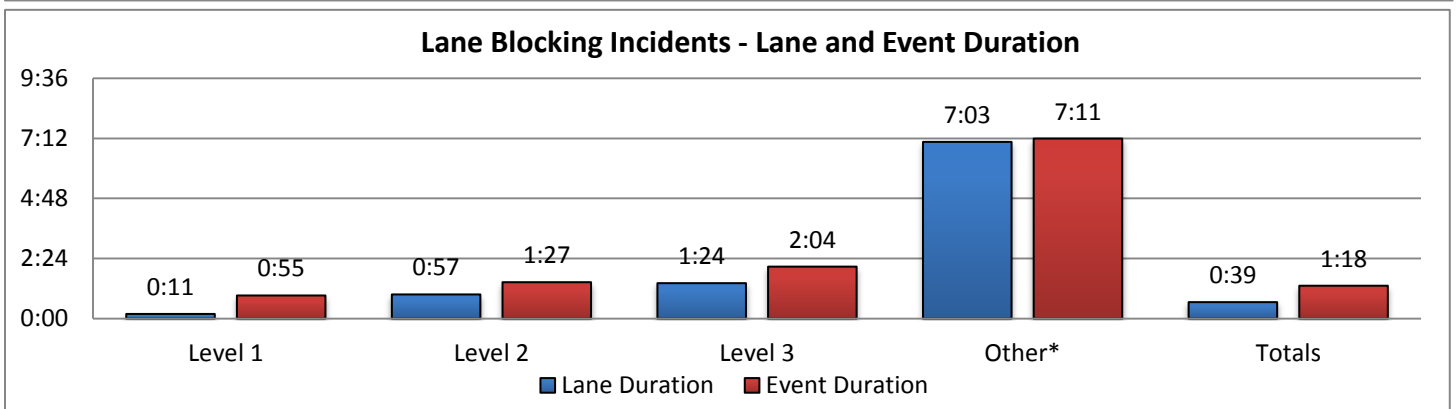
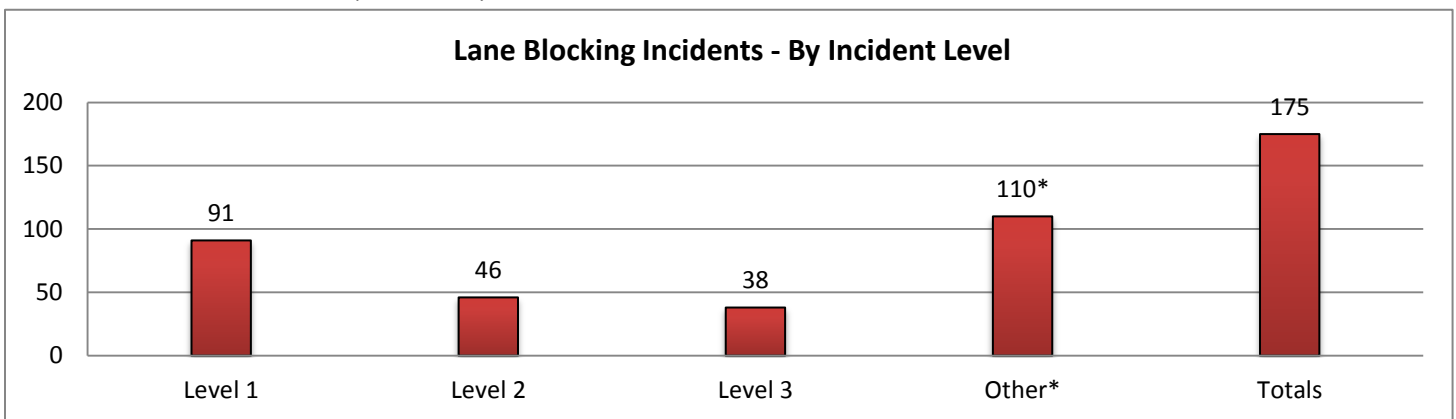


**9. LANE BLOCKING INCIDENTS - By Incident Level:**

	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	24	0:11	0:48	22	0:12	0:50	6	0:09	0:48	25	0:10	1:06
Level 2	10	0:54	1:29	14	0:50	1:14	5	1:10	2:04	15	1:04	1:26
Level 3	6	2:06	2:19	7	0:45	1:09	1	1:10	1:38	8	1:03	1:59
Other*	31*	8:23	8:29	54*	7:28	7:37	2*	3:41	3:46	19*	5:14	5:20
Totals	40	0:39	1:11	43	0:29	1:00	12	0:39	1:23	48	0:35	1:21

	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	14	0:13	1:01	0	0:00	0:00	0	0:00	0:00	91	0:11	0:55
Level 2	2	0:57	1:29	0	0:00	0:00	0	0:00	0:00	46	0:57	1:27
Level 3	13	1:28	2:22	2	0:48	1:27	1	5:43	5:47	38	1:24	2:04
Other*	4*	1:42	2:02	0*	0:00	0:00	0*	0:00	0:00	110*	7:03	7:11
Totals	29	0:49	1:39	2	0:48	1:27	1	5:43	5:47	175	0:39	1:18

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

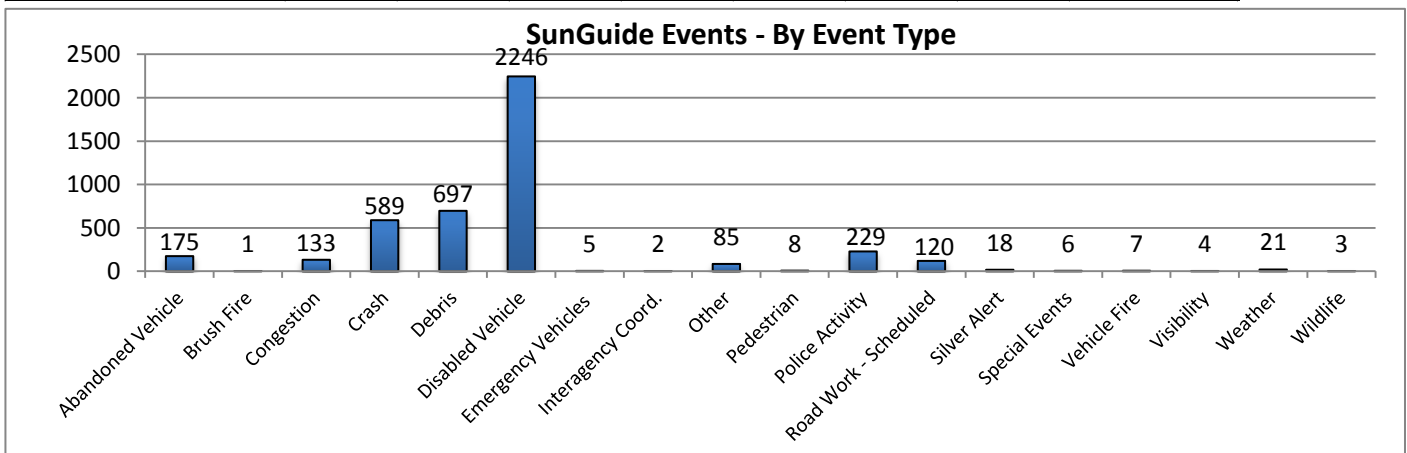




10. SunGuide Events - by Event Type:

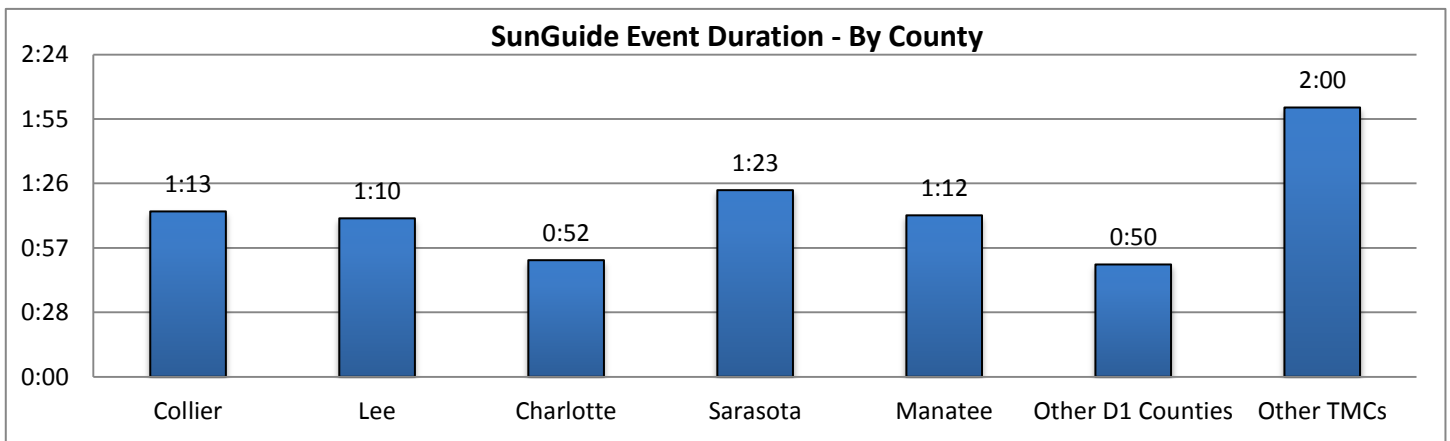
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	32	62	9	50	22	0	0	175
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	0	0	1	0	0	0	0	1
Congestion	7	12	1	44	69	0	0	133
Crash	50	143	17	200	174	5	0	589
Debris	133	164	130	169	101	0	0	697
Disabled Vehicle	658	796	185	312	293	0	2	2246
Emergency Vehicles	1	1	0	1	1	1	0	5
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	1	0	0	0	0	0	1	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	5	28	11	19	21	1	0	85
Pedestrian	2	0	0	4	2	0	0	8
Police Activity	66	99	13	28	23	0	0	229
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	0	0	0	0	0	0	0	0
Road Work - Scheduled	35	55	7	19	4	0	0	120
Silver Alert	0	18	0	0	0	0	0	18
Special Events	1	0	0	2	0	3	0	6
Vehicle Fire	1	1	1	2	2	0	0	7
Visibility	1	0	1	1	1	0	0	4
Weather	6	5	3	4	3	0	0	21
Wildlife	1	2	0	0	0	0	0	3
<b>Total Incidents</b>	<b>1000</b>	<b>1386</b>	<b>379</b>	<b>855</b>	<b>716</b>	<b>10</b>	<b>3</b>	<b>4349</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	6:53	5:31	8:32	7:15	8:47	0:00	0:00	6:49
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	1:05	0:00	0:00	0:00	0:00	1:05
Congestion	0:55	0:55	0:03	0:42	1:01	0:00	0:00	0:53
Crash	1:21	1:00	1:20	1:16	1:19	0:26	0:00	1:13
Debris	0:11	0:13	0:10	0:20	0:18	0:00	0:00	0:14
Disabled Vehicle	0:54	0:43	0:54	1:07	1:02	0:00	0:07	0:52
Emergency Vehicles	0:18	0:45	0:00	0:06	0:34	1:06	0:00	0:33
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.	2:28	0:00	0:00	0:00	0:00	0:00	5:47	4:07
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:10	0:18	0:11	0:15	0:12	0:06	0:00	0:14
Pedestrian	0:22	0:00	0:00	0:06	0:39	0:00	0:00	0:18
Police Activity	0:19	0:17	0:17	0:23	0:21	0:00	0:00	0:18
PSA	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Emergency	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Scheduled	7:44	7:30	3:49	5:23	2:06	0:00	0:00	6:50
Silver Alert	0:00	4:06	0:00	0:00	0:00	0:00	0:00	4:06
Special Events	8:15	0:00	0:00	2:56	0:00	1:40	0:00	3:11
Vehicle Fire	2:03	0:19	1:06	0:37	0:50	0:00	0:00	0:54
Visibility	1:26	0:00	1:10	3:43	2:02	0:00	0:00	2:05
Weather	2:09	1:26	1:55	2:01	3:06	0:00	0:00	2:03
Wildlife	0:27	1:24	0:00	0:00	0:00	0:00	0:00	1:05
<b>Total Incidents</b>	<b>1:13</b>	<b>1:10</b>	<b>0:52</b>	<b>1:23</b>	<b>1:12</b>	<b>0:50</b>	<b>2:00</b>	<b>1:12</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
2047	261	8	2:20

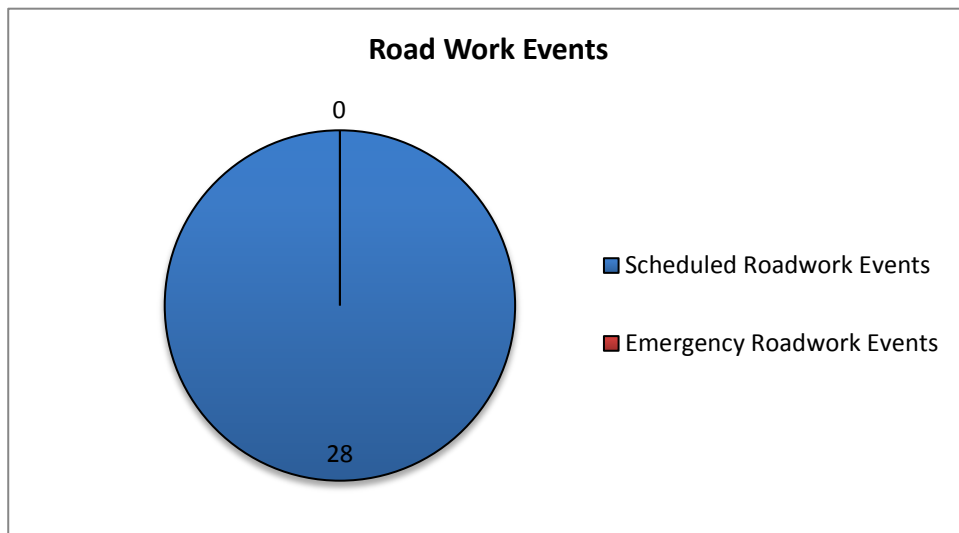
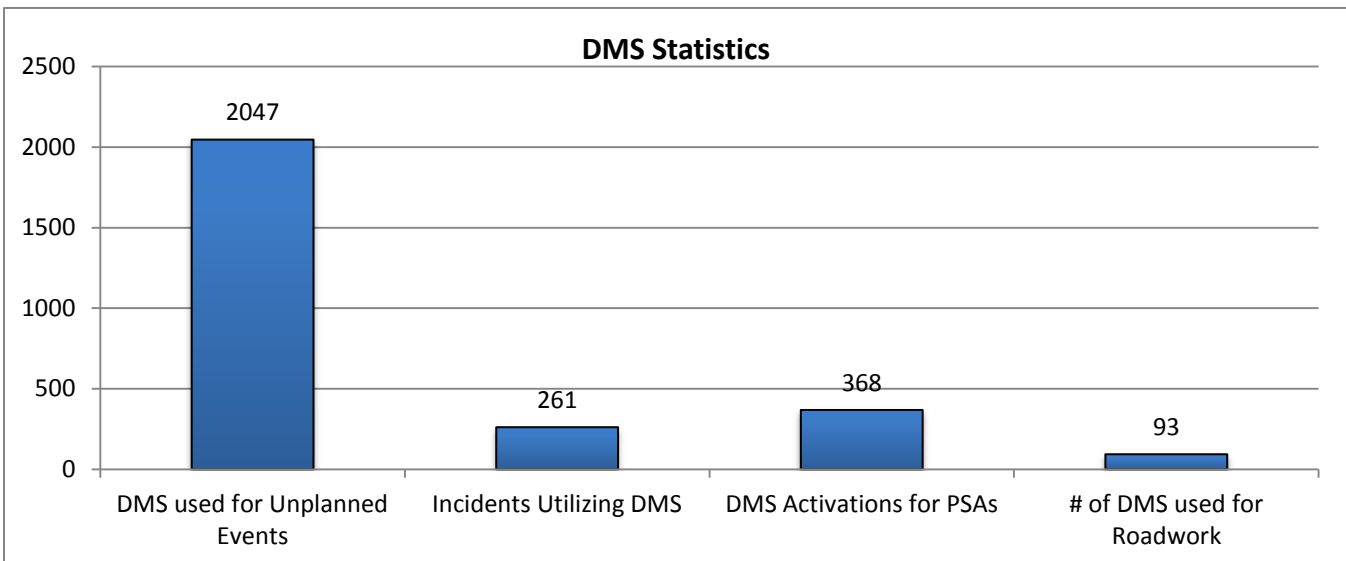
**13. PSA - DMS Activations:**

Number of Public Service Announcement DMS Activations
368

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

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
28	0	28
# DMS Used for Road Work		Average # of DMS/Pattern
93		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	158	Mile 49-79.9	183
Mile 80-100.9	153	Mile 80-100.9	109
Mile 101-104.9	15	Mile 101-104.9	29
Mile 105-106.9	33	Mile 105-106.9	53
Mile 107-110.9	65	Mile 107-110.9	48
Mile 111-115.9	68	Mile 111-115.9	54
Mile 116-122.9	112	Mile 116-122.9	194
Mile 123-127.9	125	Mile 123-127.9	66
Mile 128-130.9	48	Mile 128-130.9	56
Mile 131-135.9	94	Mile 131-135.9	76
Mile 136 -137.9	37	Mile 136 -137.9	17
Mile 138 -138.9	34	Mile 138 -138.9	19
Mile 139 - 140.9	125	Mile 139 - 140.9	29
Mile 141 - 142.9	23	Mile 141 - 142.9	17
Mile 143 - 157.9	139	Mile 143 - 157.9	107
Mile 158 - 160.9	37	Mile 158 - 160.9	24
Mile 161 - 163.9	27	Mile 161 - 163.9	19
Mile 164 - 166.9	26	Mile 164 - 166.9	23
Mile 167 -169.9	30	Mile 167 -169.9	25
Mile 170 - 178.9	49	Mile 170 - 178.9	71
Mile 179 - 181.9	16	Mile 179 - 181.9	6
Mile 182 - 190.9	61	Mile 182 - 190.9	68
Mile 191 - 192.9	17	Mile 191 - 192.9	23
Mile 193 - 194.9	18	Mile 193 - 194.9	17
Mile 195 -199.9	31	Mile 195 -199.9	27
Mile 200 - 204.9	46	Mile 200 - 204.9	53
Mile 205 - 206.9	39	Mile 205 - 206.9	25
Mile 207 - 209.9	49	Mile 207 - 209.9	32
Mile 210 -212.9	90	Mile 210 -212.9	42
Mile 213 - 216.9	110	Mile 213 - 216.9	74
Mile 217 - 219.9	61	Mile 217 - 219.9	48
Mile 220 - 223.9	77	Mile 220 - 223.9	51
Mile 224 -227.9	46	Mile 224 -227.9	53
Mile 228 - 228.9	15	Mile 228 - 228.9	17
Mile 229 -229.9	2	Mile 229 -229.9	4
Mile 230 - 239.9	5	Mile 230 - 239.9	1
> Mile 240	0	> Mile 240	0
<b>North Total</b>	<b>2081</b>	<b>South Total</b>	<b>1760</b>

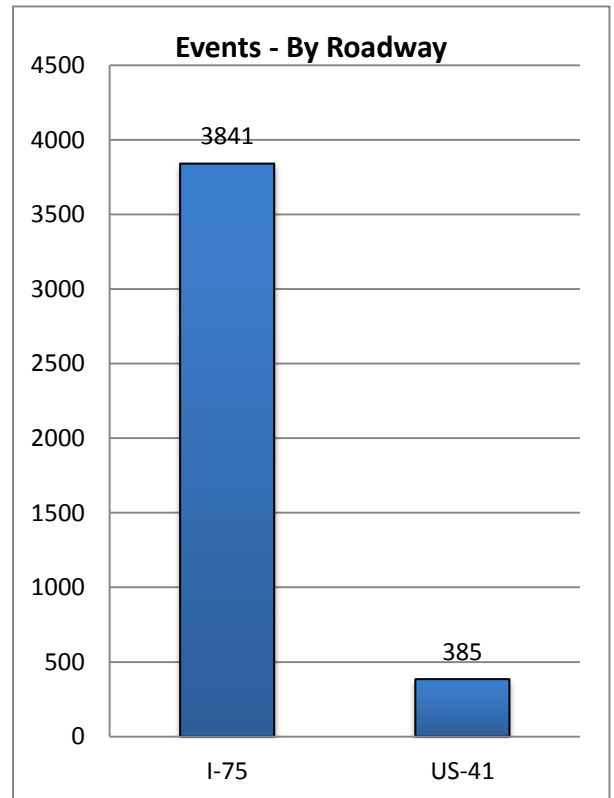
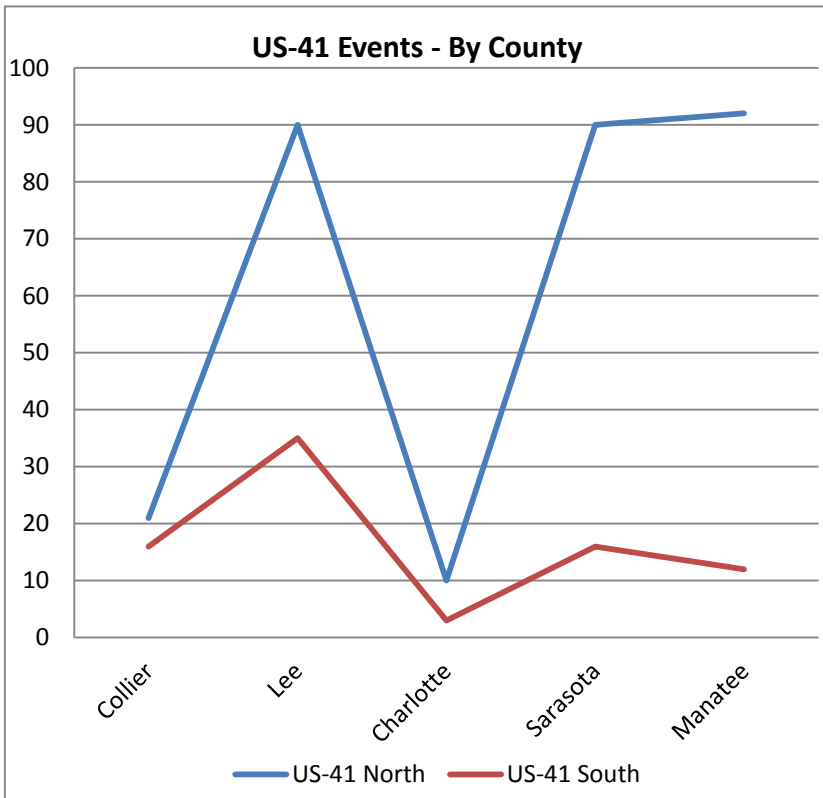
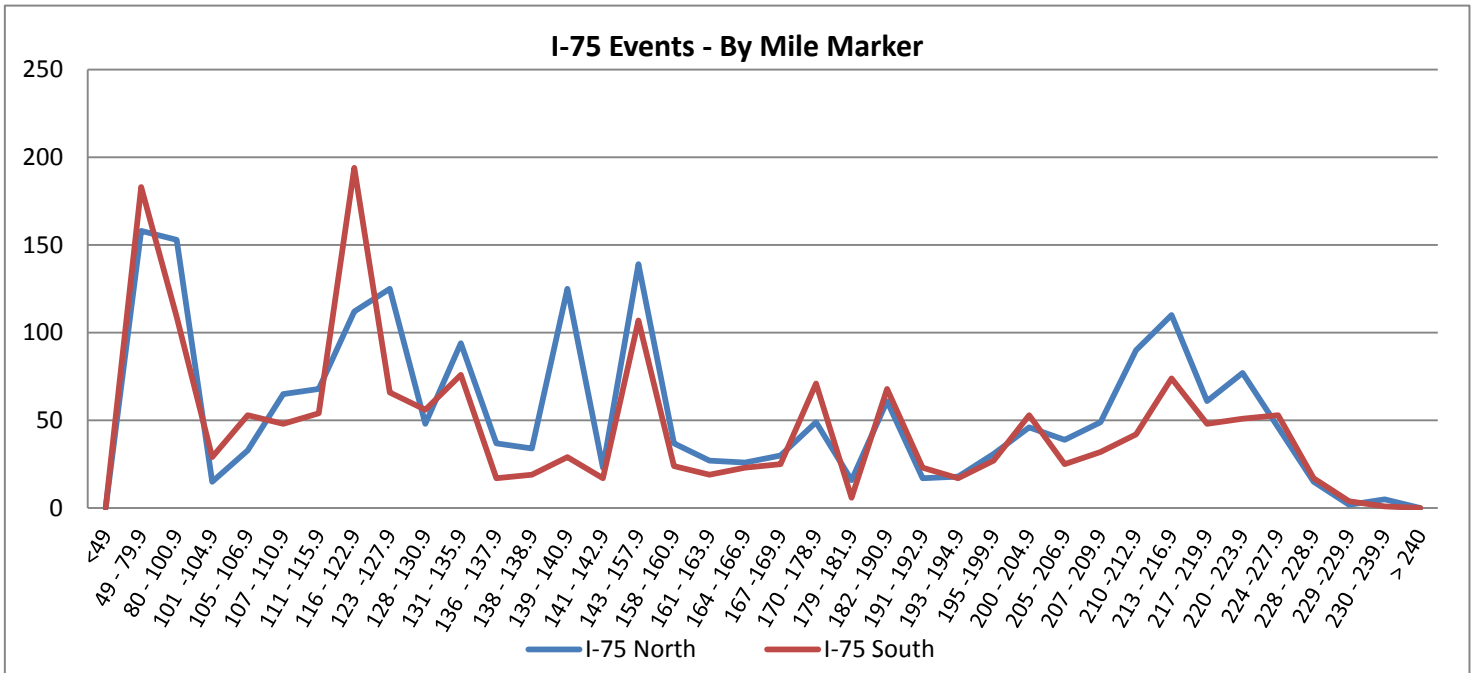
US-41 Northbound	
Collier	21
Lee	90
Charlotte	10
Sarasota	90
Manatee	92
<b>North Total</b>	<b>303</b>

US-41 Southbound	
Collier	16
Lee	35
Charlotte	3
Sarasota	16
Manatee	12
<b>South Total</b>	<b>82</b>

Total Events on US-41
385

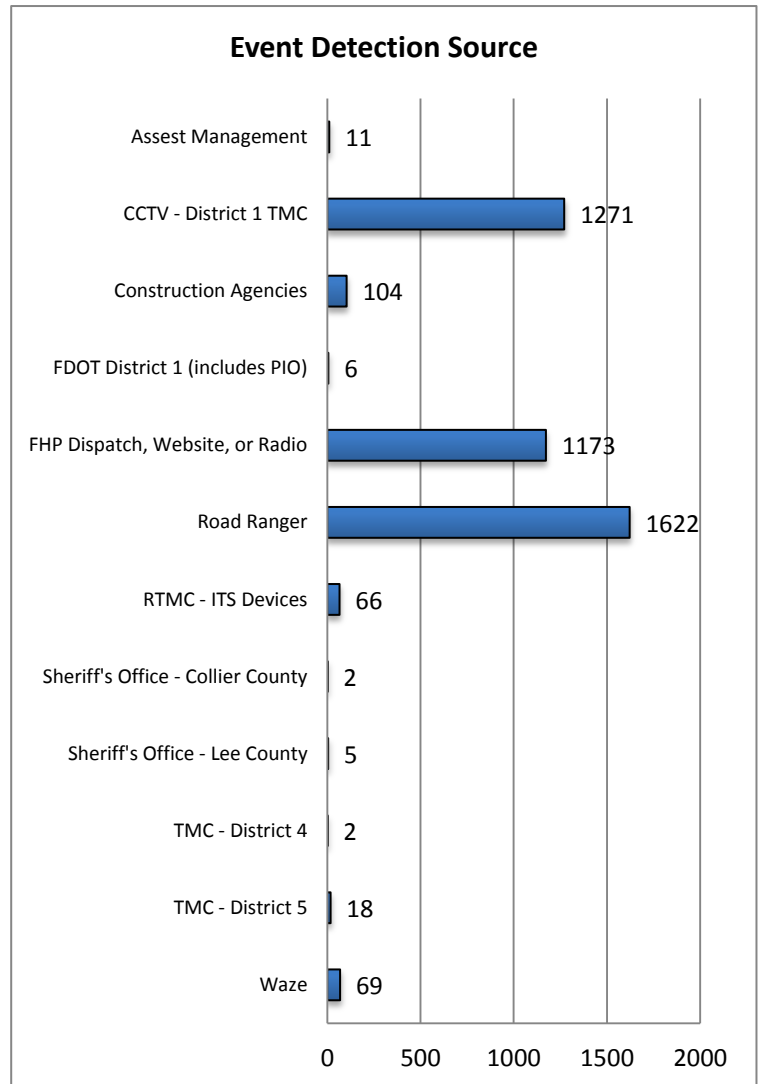
Total Events on I-75
3841

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	11	0.3%
CCTV - District 1 TMC	1271	29.2%
CCTV - Other	0	0.0%
Construction Agencies	104	2.4%
County and Local Law Enforcement	0	0.0%
Emergency Operations Center	0	0.0%
Emergency Operations Center-Lee	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	6	0.1%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1173	27.0%
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	0	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1622	37.3%
RTMC - ITS Devices (TSS & Safety Barrier)	66	1.5%
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	2	0.0%
Sheriff's Office - Lee County	5	0.1%
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	2	0.0%
TMC - District 5	18	0.4%
TMC - District 7	0	0.0%
TMC - Other Districts	0	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	0	0.0%
Waze	69	1.6%
<b>Total Number of Incidents</b>	<b>4349</b>	<b>100.0%</b>

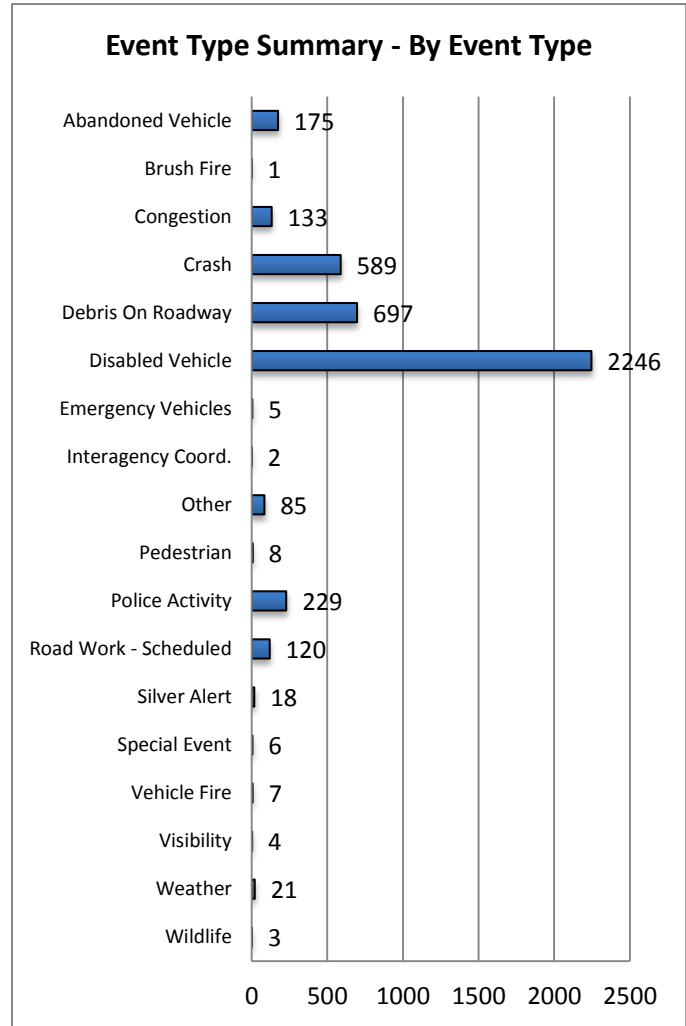


Note: Event Detection Source Categories listed as zero are not included in the above chart.



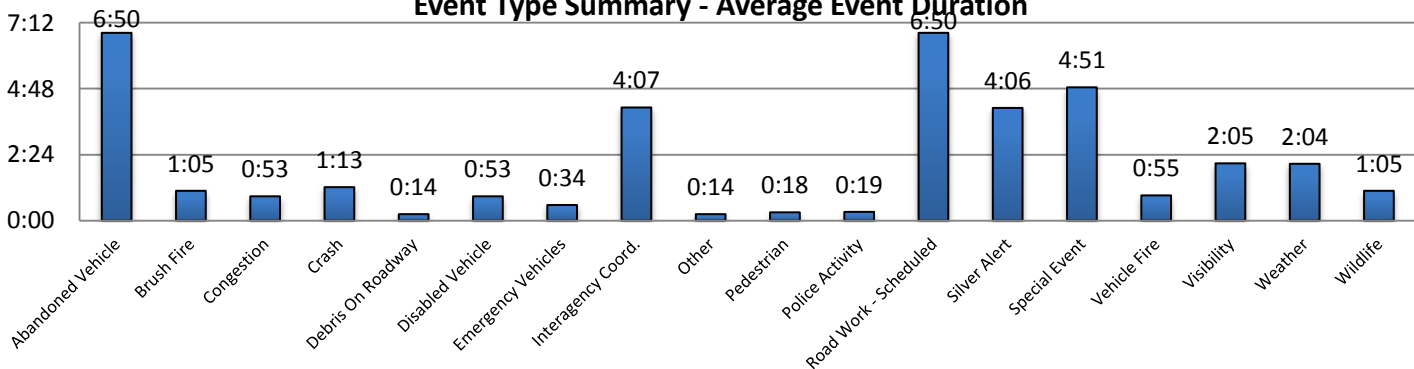
**17. Event Type Summary**

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	175	1:36	6:50
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	1	1:05	1:05
Congestion	133	0:00	0:53
Crash	589	0:55	1:13
Debris On Roadway	697	0:10	0:14
Disabled Vehicle	2246	0:22	0:53
Emergency Vehicles	5	0:20	0:34
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	2	0:00	4:07
LEO Alert	0	0:00	0:00
Other	85	0:06	0:14
Pedestrian	8	0:15	0:18
Police Activity	229	0:15	0:19
PSA	0	0:00	0:00
Road Work - Emergency	0	0:00	0:00
Road Work - Scheduled	120	0:14	6:50
Silver Alert	18	0:00	4:06
Special Event	6	0:11	4:51
Vehicle Fire	7	0:47	0:55
Visibility	4	0:01	2:05
Weather	21	0:00	2:04
Wildlife	3	0:55	1:05
<b>Total Events</b>	<b>4349</b>	<b>0:24</b>	<b>2:08</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			
<b>RR104</b>	MM 49-80	<b>RR111</b>	MM 167-193
<b>RR103</b>	MM 80-105	<b>RR108</b>	MM 191-213
<b>RR105</b>	(Spare Truck)	<b>RR113</b>	MM 210-230
<b>RR106</b>	MM 105-123	<b>*RR112</b>	MM 224-230 &
<b>RR107</b>	MM 116-138		I-275 MM 0-13
<b>RR110</b>	MM 136-158	<b>RR115</b>	(Spare Truck)
<b>RR109</b>	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

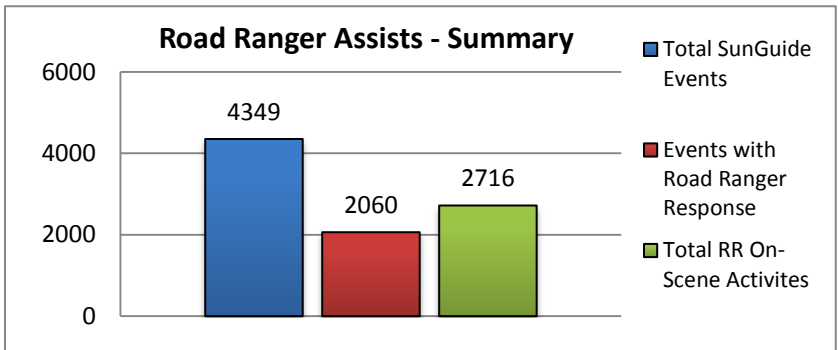
Saturday Road Rangers			
<b>RR104</b>	MM 49-80	<b>RR111</b>	MM 167-193
<b>RR103</b>	MM 80-105	<b>RR113</b>	MM 210-230
<b>RR105</b>	(Spare Truck)	<b>RR112</b>	MM 224-230
<b>RR106</b>	MM 105-123		I-275 MM 0-13
<b>RR109</b>	MM 143-170	<b>*RR113</b>	I-275 MM 0-13

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

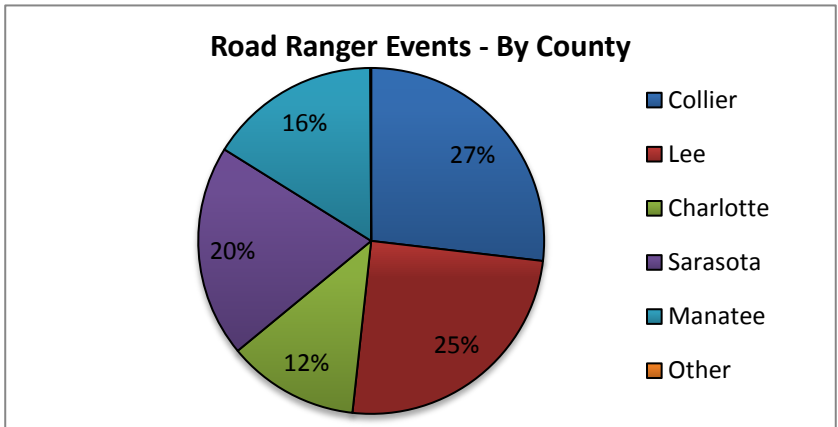
Sunday Road Rangers			
<b>RR103</b>	MM 49-80	<b>RR111</b>	MM 167-193
<b>RR104</b>	MM 80-105	<b>RR113</b>	MM 210-230
<b>RR105</b>	(Spare Truck)	<b>RR112</b>	MM 224-230
<b>RR106</b>	MM 105-123		I-275 MM 0-13
<b>RR109</b>	MM 143-170	<b>*RR113</b>	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4349
Events with Road Ranger Response	2060
Total RR On-Scene Activities	2716
Average Activities/Assisted Event	1.32
% of Events Assisted	47.37%



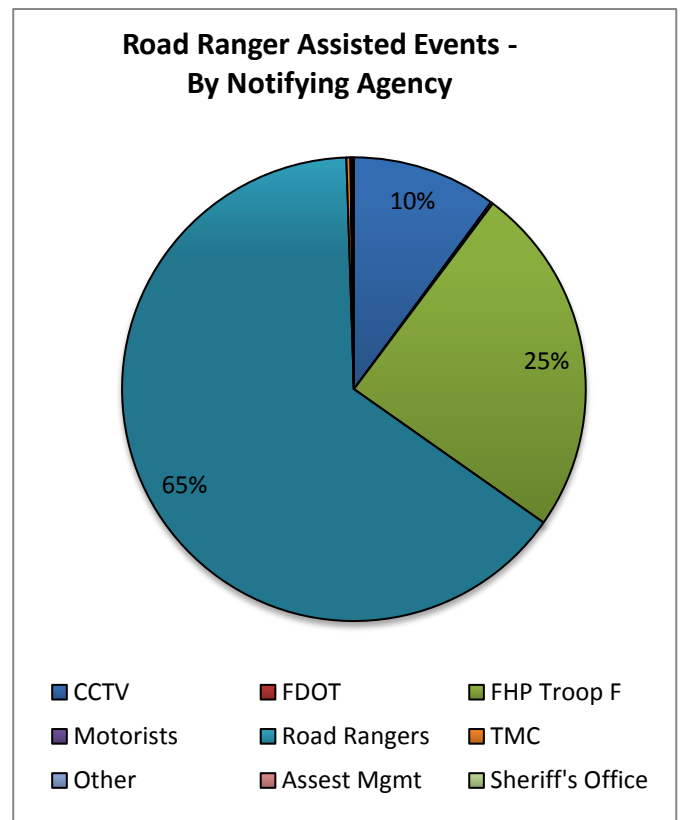
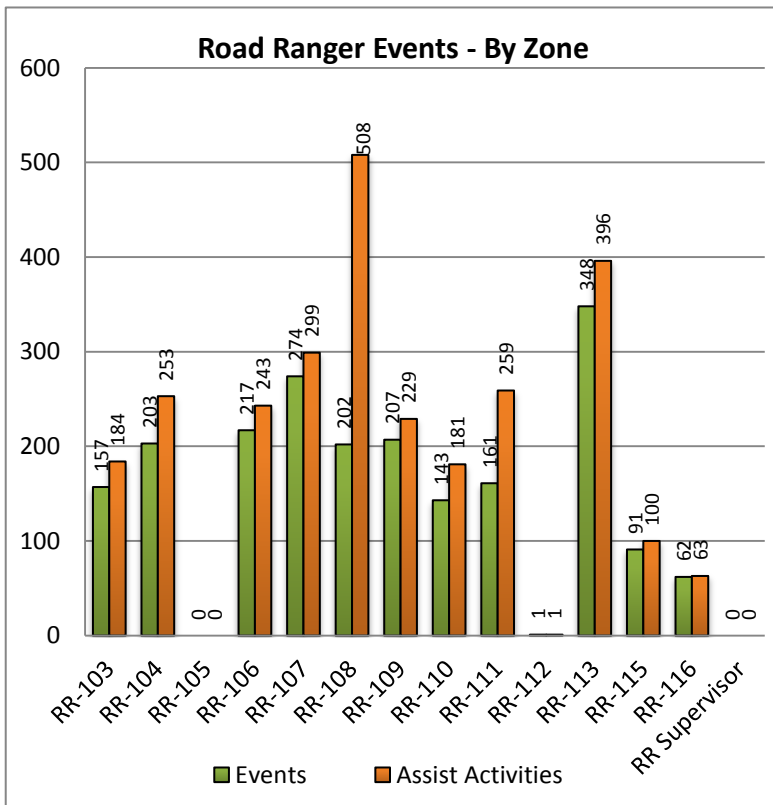
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	681
Lee	631
Charlotte	312
Sarasota	503
Manatee	407
Other	2
Totals	2536





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	157	184
RR-104	203	253
RR-105	0	0
RR-106	217	243
RR-107	274	299
RR-108	202	508
RR-109	207	229
RR-110	143	181
RR-111	161	259
RR-112	1	1
RR-113	348	396
RR-115	91	100
RR-116	62	63
RR Supervisor	0	0
<b>Totals</b>	<b>2066</b>	<b>2716</b>

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	252	9.9%
FDOT	4	0.2%
FHP Troop F	614	24.2%
Motorists	0	0.0%
Road Rangers	1620	63.9%
TMC	7	0.3%
Other	1	0.0%
Assesst Mgmt	3	0.1%
Sheriff's Office	2	0.1%
Waze	33	1.3%
<b>Totals</b>	<b>2536</b>	<b>100.0%</b>

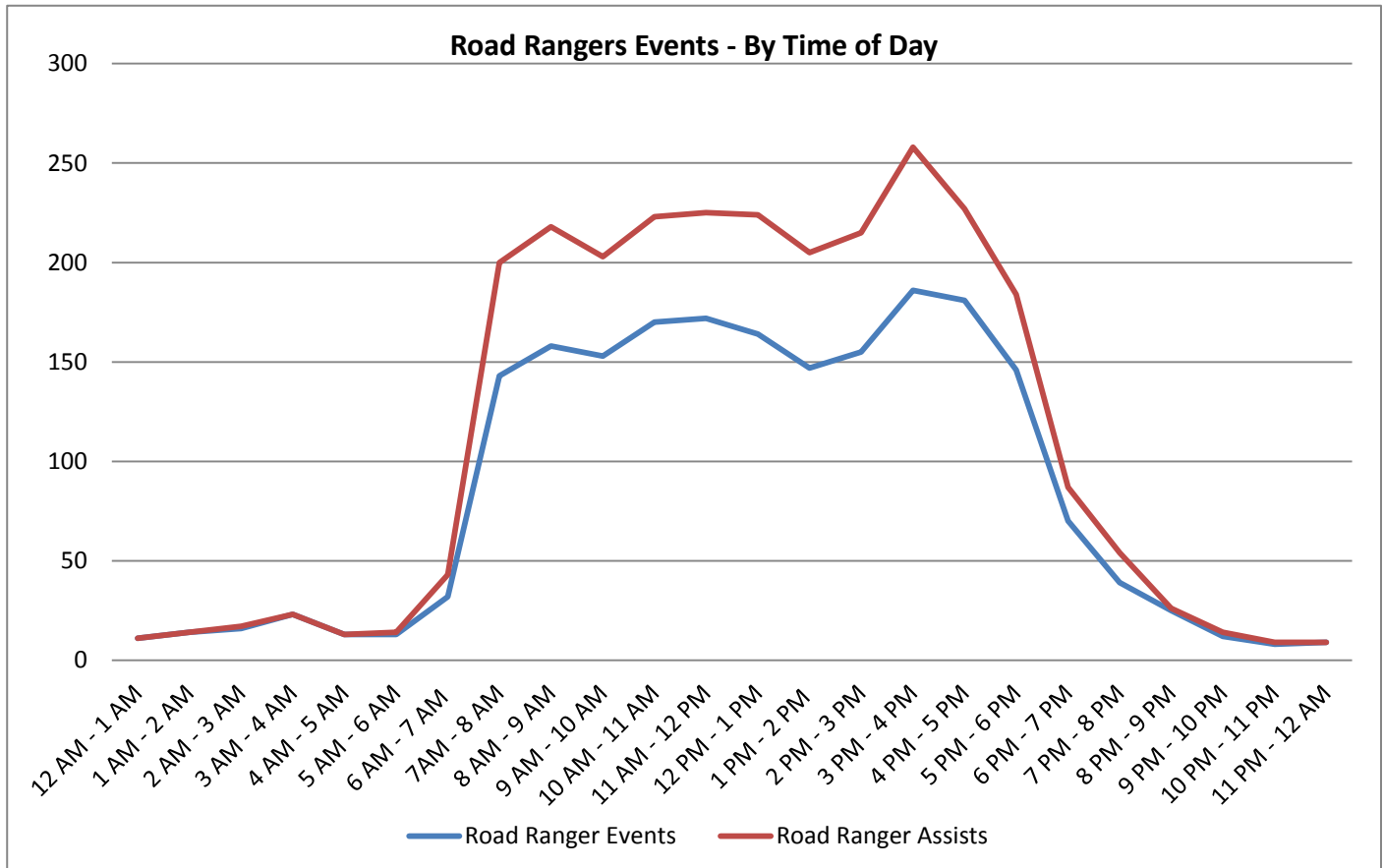




**22. Road Ranger Assisted Events -  
By Time of Day:**

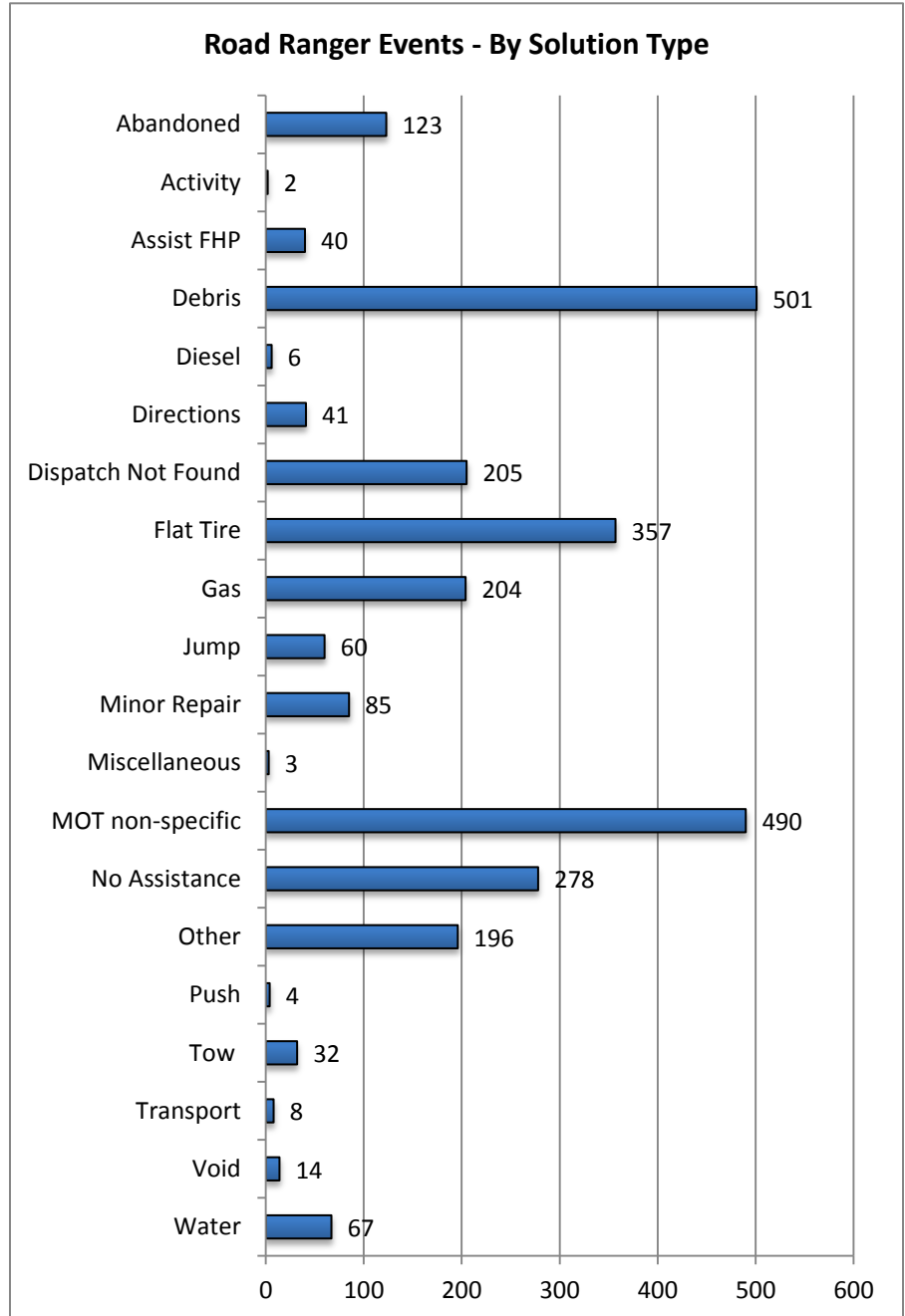
Time of Day	RR Events	RR Assists
12 AM - 1 AM	11	11
1 AM - 2 AM	14	14
2 AM - 3 AM	16	17
3 AM - 4 AM	23	23
4 AM - 5 AM	13	13
5 AM - 6 AM	13	14
6 AM - 7 AM	32	43
7 AM - 8 AM	143	200
8 AM - 9 AM	158	218
9 AM - 10 AM	153	203
10 AM - 11 AM	170	223
11 AM - 12 PM	172	225

Time of Day	RR Events	RR Assists
12 PM - 1 PM	164	224
1 PM - 2 PM	147	205
2 PM - 3 PM	155	215
3 PM - 4 PM	186	258
4 PM - 5 PM	181	227
5 PM - 6 PM	146	184
6 PM - 7 PM	70	87
7 PM - 8 PM	39	54
8 PM - 9 PM	25	26
9 PM - 10 PM	12	14
10 PM - 11 PM	8	9
11 PM - 12 AM	9	9
<b>Totals</b>	<b>2060</b>	<b>2716</b>





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	123
Absorbant	0
Activity	2
Assist FHP	40
Bleach	0
Cold Patch Asphalt	0
Debris	501
Deploy Cones	0
Diesel	6
Directions	41
Dispatch Not Found	205
Flare	0
Flat Tire	357
Flood Lamp	0
Gas	204
Jump	60
Livestock	0
Lockout	0
Minor Repair	85
Miscellaneous	3
MOT non-specific	490
No Assistance	278
Oil	0
Other	196
Phone	0
Portland Cement	0
Push	4
Radio	0
Tow	32
Translate	0
Transmission Fluid	0
Transport	8
Turbo Flare	0
Unsuccessful Repair	0
Void	14
Water	67
Wildlife	0
<b>Total Assist Activities</b>	<b>2716</b>



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