



This is the FDOT District 1 Swift SunGuide Center Monthly Operations Report, for July 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>	
	4199

<b>2. Number of Lane Blocking Events:</b>	
	250

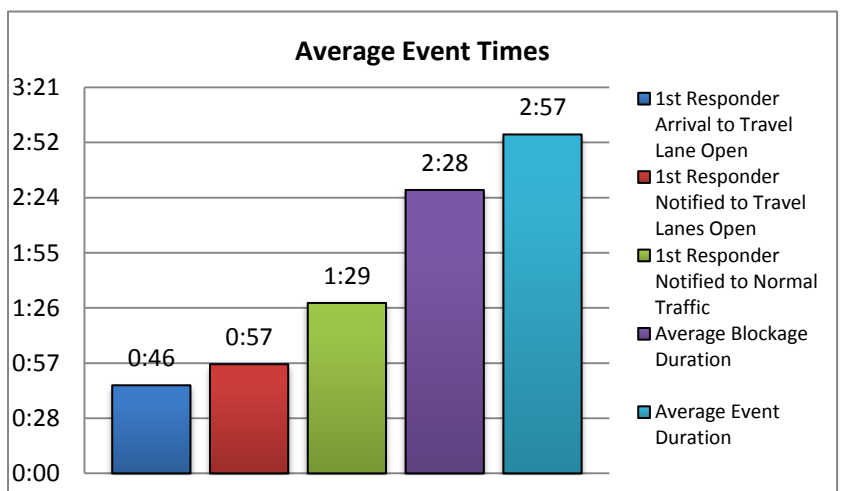
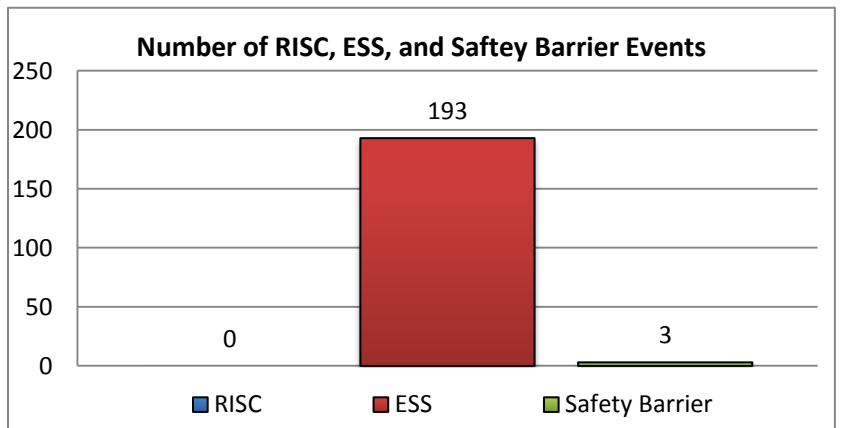
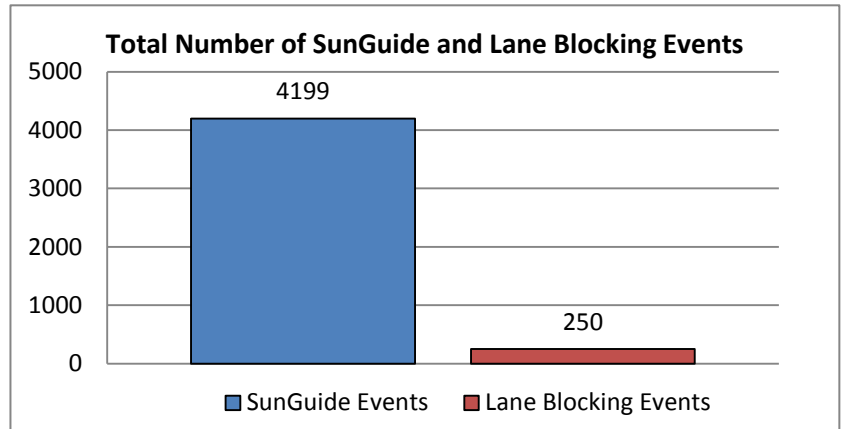
<b>3. Number of RISC Events:</b>	
	0

<b>4. Number of ESS Events:</b>	
	193

<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	0:46
Average Incident Duration From First Responder Notified to Travel Lane Open	0:57
Average Incident Duration From First Responder Notified to Normal Traffic	1:29

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4199
Number of Lane Blocking Events	250
Number of Secondary Incidents	22
Average Blockage Duration	2:28
Average Event Duration	2:57



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.



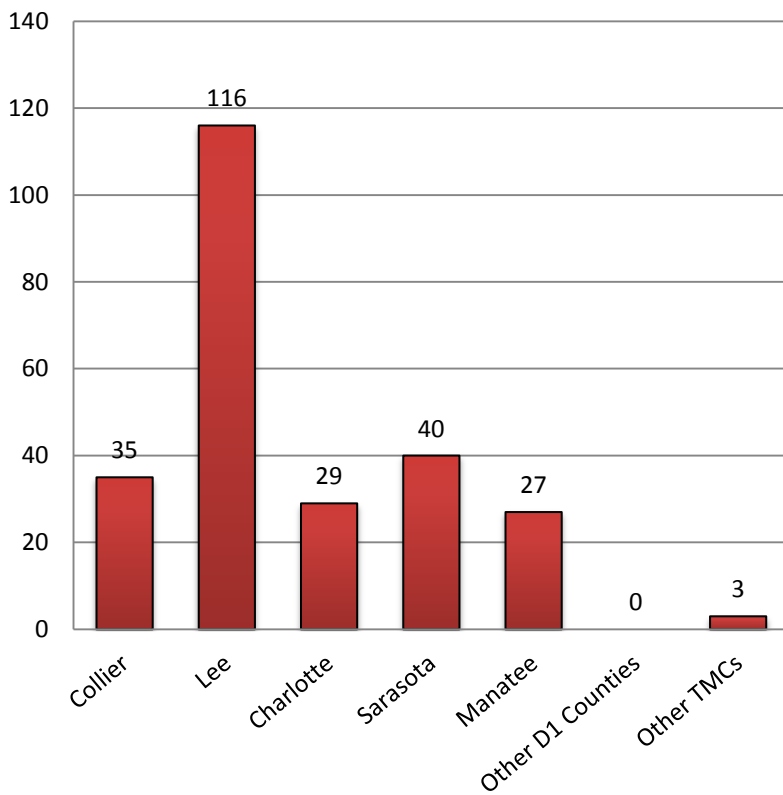
**8. Lane Blocking Incidents - By County and Roadway:**

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	28	91	13	31	20	-
US-41	5	25	6	9	6	-
I-275	-	-	-	-	1	-
Arterials	2	0	10	0	0	0
<b>Total Incidents</b>	<b>35</b>	<b>116</b>	<b>29</b>	<b>40</b>	<b>27</b>	<b>0</b>

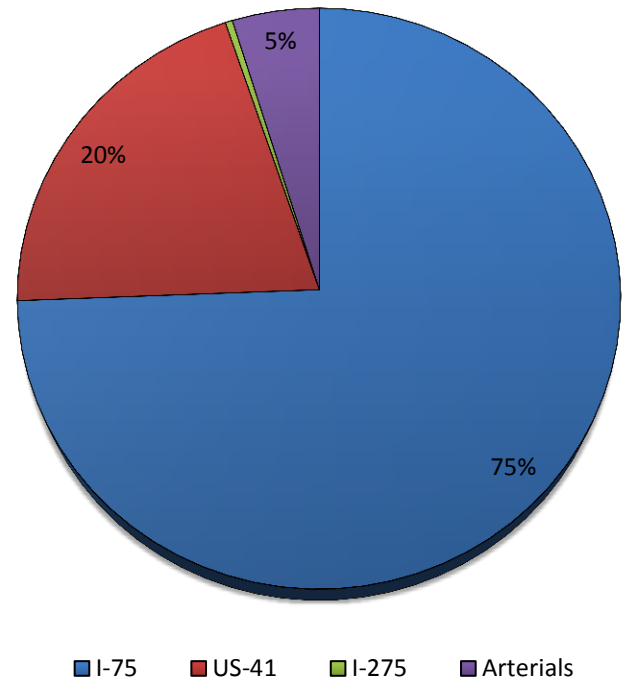
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	3	-	186
US-41	0	0	-	-	51
I-275	0	-	-	-	1
Arterials	0	0	0	0	12
<b>Total Incidents</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>250</b>

\*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**



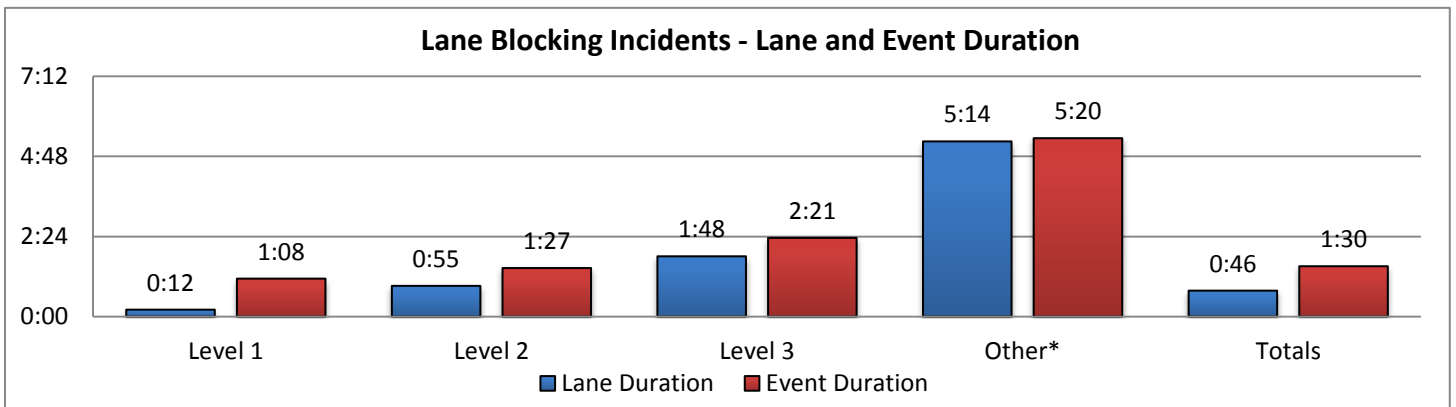
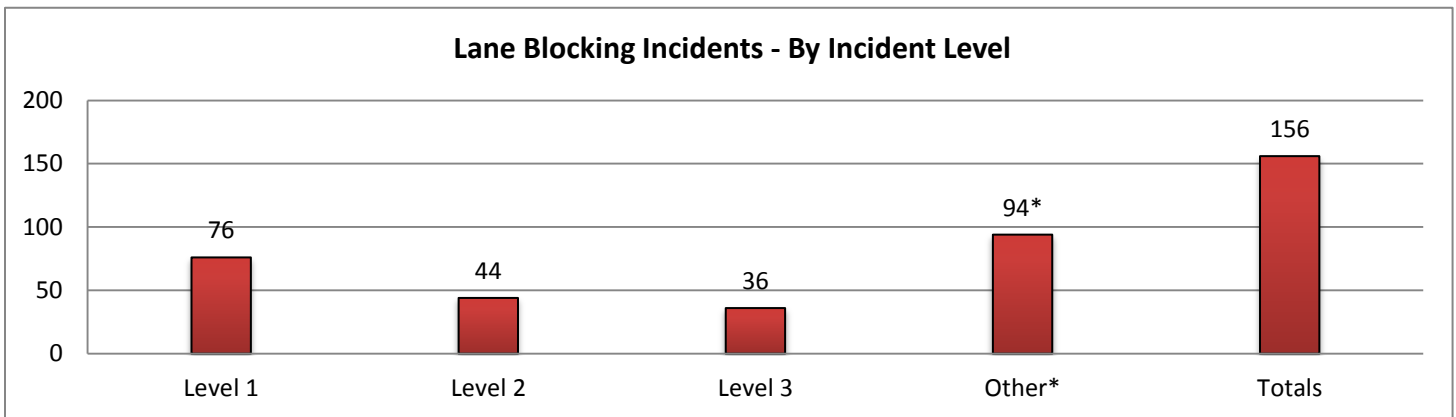


**9. LANE BLOCKING INCIDENTS - By Incident Level:**

	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	15	0:13	0:56	18	0:12	0:47	7	0:13	1:34	23	0:14	1:17
Level 2	7	0:39	1:26	16	0:53	1:21	7	0:54	1:29	8	1:10	1:30
Level 3	7	1:59	2:32	12	1:20	1:52	3	4:13	4:24	7	2:14	3:00
Other*	6*	1:43	1:53	70*	5:38	5:43	12*	6:10	6:14	2*	5:34	5:41
Totals	29	0:44	1:26	46	0:44	1:15	17	1:12	2:01	38	0:47	1:38

	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	12	0:08	1:27	0	0:00	0:00	1	0:27	0:29	76	0:12	1:08
Level 2	6	1:02	1:40	0	0:00	0:00	0	0:00	0:00	44	0:55	1:27
Level 3	6	1:01	1:37	0	0:00	0:00	1	0:46	0:53	36	1:48	2:21
Other*	3*	1:08	1:16	0*	0:00	0:00	1*	0:18	1:05	94*	5:14	5:20
Totals	24	0:34	1:32	0	0:00	0:00	2	0:36	0:41	156	0:46	1:30

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

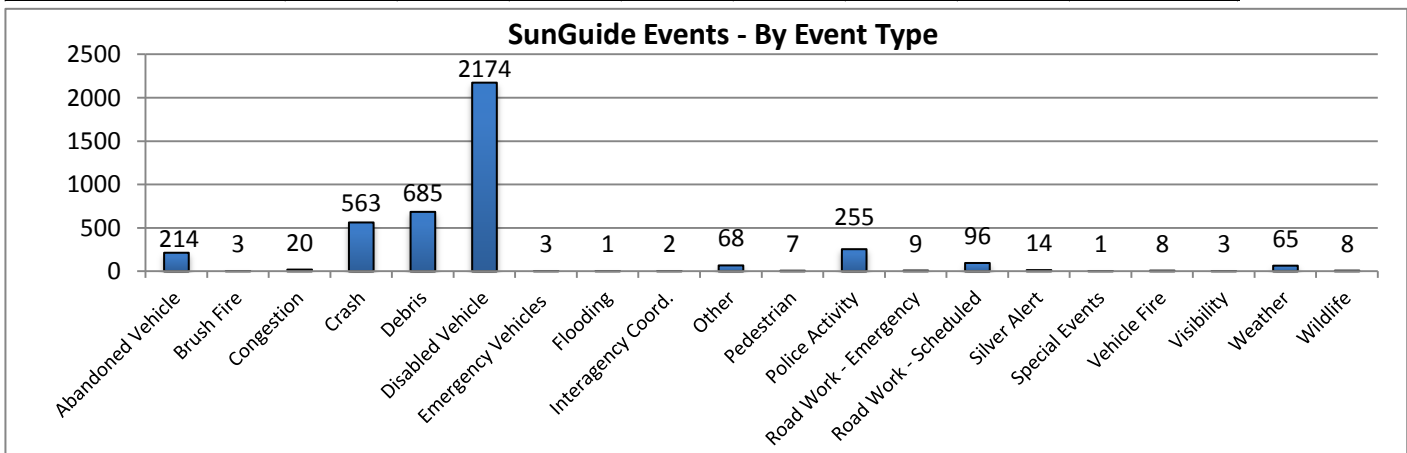




**10. SunGuide Events - by Event Type:**

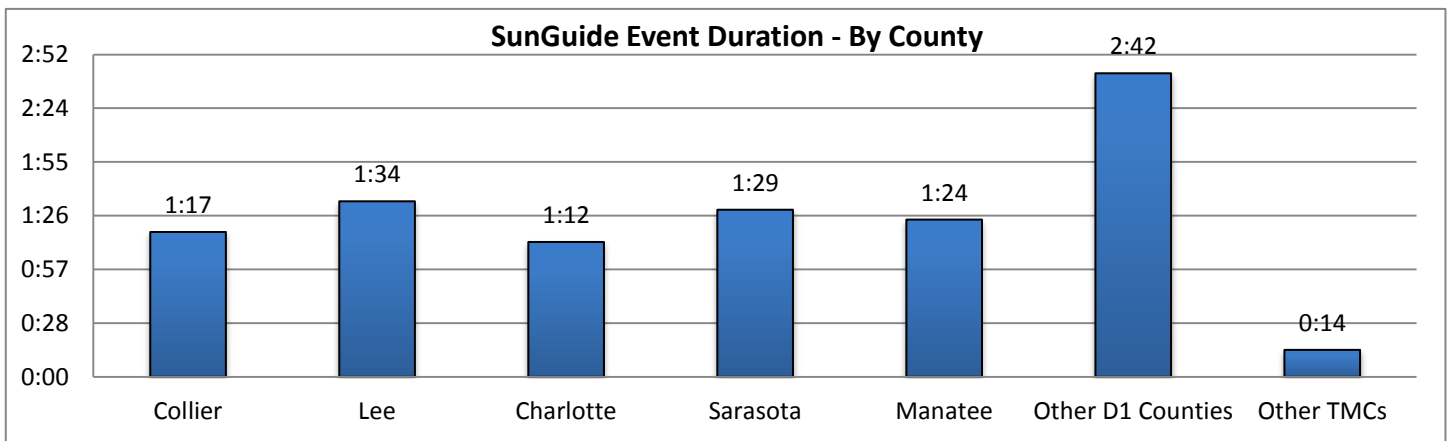
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	49	70	22	46	27	0	0	214
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	1	1	0	1	0	0	0	3
Congestion	2	7	1	5	5	0	0	20
Crash	55	133	36	191	146	2	0	563
Debris	122	149	114	181	117	0	2	685
Disabled Vehicle	708	645	211	318	288	0	4	2174
Emergency Vehicles	0	2	0	0	1	0	0	3
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	1	0	0	0	0	0	1
Interagency Coord.	0	0	0	0	0	0	2	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	8	17	6	24	12	1	0	68
Pedestrian	1	2	0	2	2	0	0	7
Police Activity	99	112	32	9	2	0	1	255
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	3	0	1	1	0	4	0	9
Road Work - Scheduled	8	68	12	2	2	4	0	96
Silver Alert	0	14	0	0	0	0	0	14
Special Events	0	0	0	1	0	0	0	1
Vehicle Fire	3	2	0	1	1	1	0	8
Visibility	2	1	0	0	0	0	0	3
Weather	26	30	9	0	0	0	0	65
Wildlife	1	3	1	2	1	0	0	8
<b>Total Incidents</b>	<b>1088</b>	<b>1257</b>	<b>445</b>	<b>784</b>	<b>604</b>	<b>12</b>	<b>9</b>	<b>4199</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	9:13	9:14	7:59	9:39	9:14	0:00	0:00	9:11
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	5:07	0:11	0:00	0:07	0:00	0:00	0:00	1:48
Congestion	0:08	0:26	0:04	1:13	1:26	0:00	0:00	0:49
Crash	1:17	1:07	1:26	1:11	1:16	4:52	0:00	1:13
Debris	0:16	0:14	0:09	0:21	0:23	0:00	0:03	0:16
Disabled Vehicle	1:00	0:50	0:52	1:14	1:13	0:00	0:04	0:59
Emergency Vehicles	0:00	0:49	0:00	0:00	1:22	0:00	0:00	1:00
Evacuation	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Flooding	0:00	0:17	0:00	0:00	0:00	0:00	0:00	0:17
Interagency Coord.	0:00	0:00	0:00	0:00	0:00	0:00	0:20	0:20
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:14	0:11	0:11	0:09	0:09	0:27	0:00	0:10
Pedestrian	0:04	0:03	0:00	0:04	0:08	0:00	0:00	0:04
Police Activity	0:21	0:17	0:14	0:12	1:37	0:00	1:05	0:18
PSA	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Emergency	1:27	0:00	0:33	2:09	0:00	2:01	0:00	1:41
Road Work - Scheduled	1:11	5:53	6:14	5:41	0:40	2:39	0:00	5:17
Silver Alert	0:00	4:46	0:00	0:00	0:00	0:00	0:00	4:46
Special Events	0:00	0:00	0:00	18:44	0:00	0:00	0:00	18:44
Vehicle Fire	1:47	1:22	0:00	0:25	1:56	3:40	0:00	1:45
Visibility	3:53	1:19	0:00	0:00	0:00	0:00	0:00	3:01
Weather	2:54	3:04	2:43	0:00	0:00	0:00	0:00	2:57
Wildlife	1:03	0:29	0:37	0:22	2:05	0:00	0:00	0:44
<b>Total Incidents</b>	<b>1:17</b>	<b>1:34</b>	<b>1:12</b>	<b>1:29</b>	<b>1:24</b>	<b>2:42</b>	<b>0:14</b>	<b>1:25</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
1174	164	7	2:57

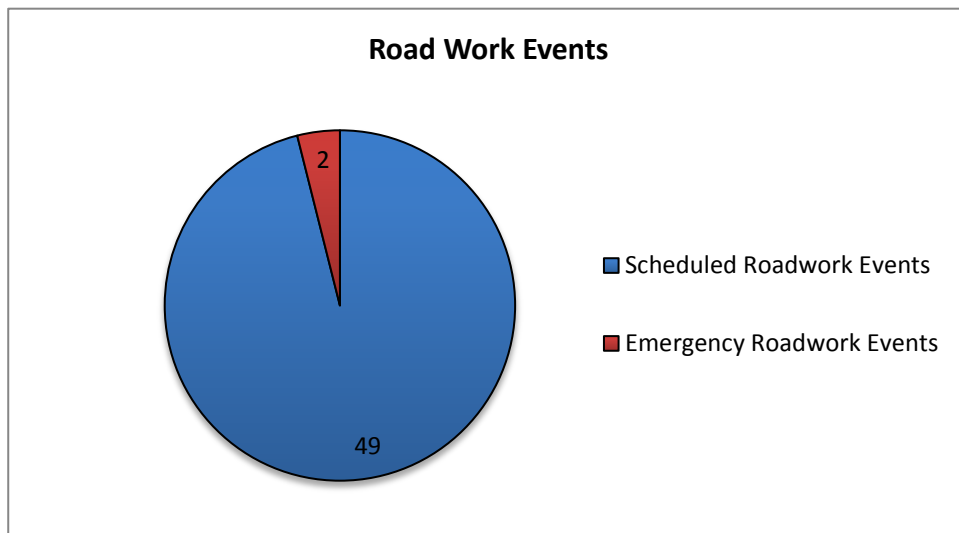
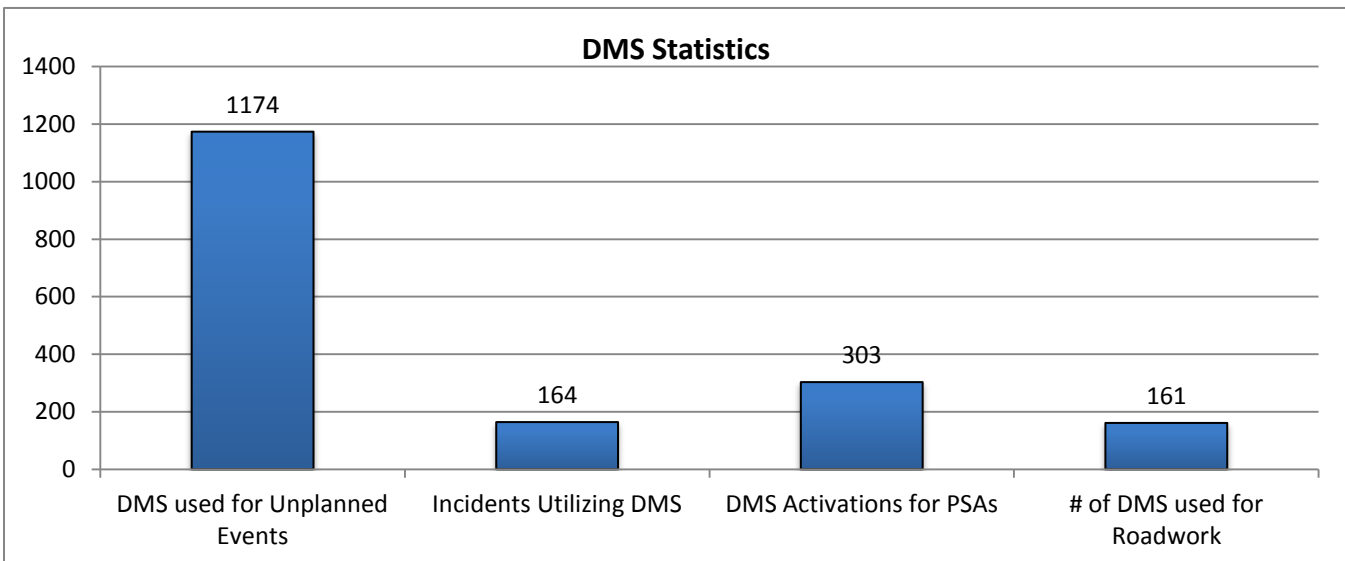
**13. PSA - DMS Activations:**

Number of Public Service Announcement DMS Activations
303

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

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
49	2	51
# DMS Used for Road Work		Average # of DMS/Pattern
161		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	0
Mile 49-79.9	186	Mile 49-79.9	178
Mile 80-100.9	229	Mile 80-100.9	123
Mile 101-104.9	30	Mile 101-104.9	38
Mile 105-106.9	40	Mile 105-106.9	34
Mile 107-110.9	66	Mile 107-110.9	45
Mile 111-115.9	56	Mile 111-115.9	50
Mile 116-122.9	116	Mile 116-122.9	152
Mile 123-127.9	89	Mile 123-127.9	62
Mile 128-130.9	46	Mile 128-130.9	52
Mile 131-135.9	122	Mile 131-135.9	85
Mile 136 -137.9	28	Mile 136 -137.9	22
Mile 138 -138.9	29	Mile 138 -138.9	20
Mile 139 - 140.9	79	Mile 139 - 140.9	17
Mile 141 - 142.9	33	Mile 141 - 142.9	27
Mile 143 - 157.9	176	Mile 143 - 157.9	143
Mile 158 - 160.9	28	Mile 158 - 160.9	20
Mile 161 - 163.9	33	Mile 161 - 163.9	28
Mile 164 - 166.9	26	Mile 164 - 166.9	28
Mile 167 -169.9	28	Mile 167 -169.9	41
Mile 170 - 178.9	42	Mile 170 - 178.9	66
Mile 179 - 181.9	16	Mile 179 - 181.9	21
Mile 182 - 190.9	59	Mile 182 - 190.9	64
Mile 191 - 192.9	31	Mile 191 - 192.9	24
Mile 193 - 194.9	18	Mile 193 - 194.9	16
Mile 195 -199.9	38	Mile 195 -199.9	38
Mile 200 - 204.9	44	Mile 200 - 204.9	29
Mile 205 - 206.9	28	Mile 205 - 206.9	24
Mile 207 - 209.9	30	Mile 207 - 209.9	32
Mile 210 -212.9	54	Mile 210 -212.9	40
Mile 213 - 216.9	58	Mile 213 - 216.9	63
Mile 217 - 219.9	54	Mile 217 - 219.9	37
Mile 220 - 223.9	61	Mile 220 - 223.9	55
Mile 224 -227.9	56	Mile 224 -227.9	43
Mile 228 - 228.9	19	Mile 228 - 228.9	21
Mile 229 -229.9	2	Mile 229 -229.9	2
Mile 230 - 239.9	5	Mile 230 - 239.9	2
> Mile 240	0	> Mile 240	0
<b>North Total</b>	<b>2057</b>	<b>South Total</b>	<b>1742</b>

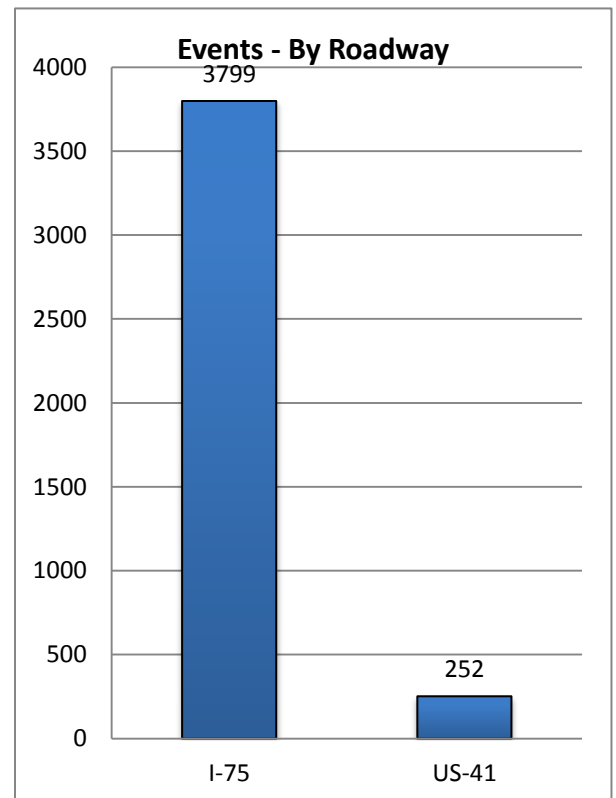
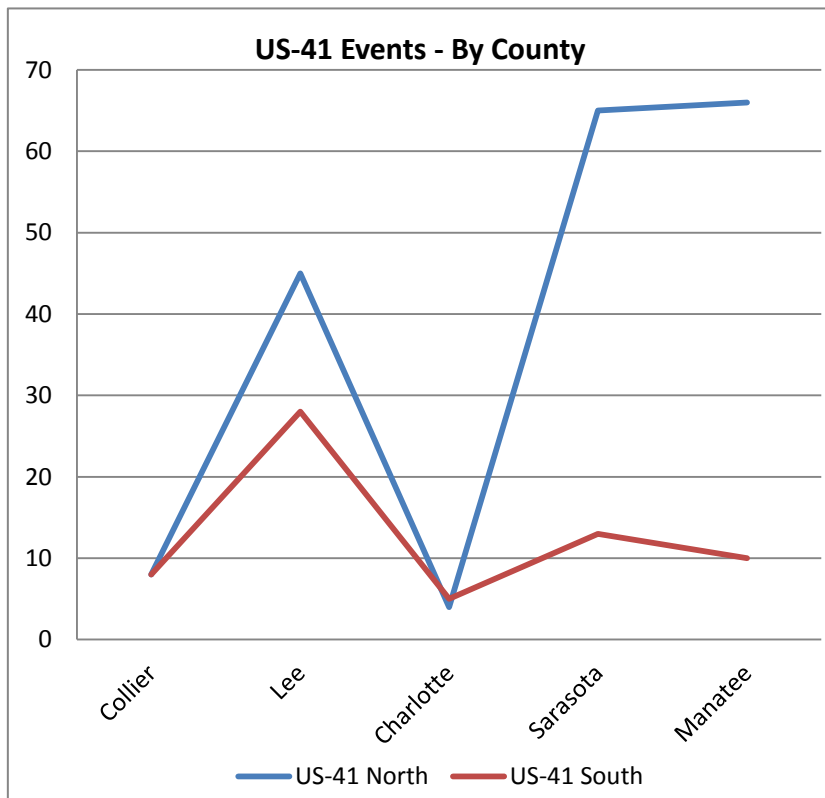
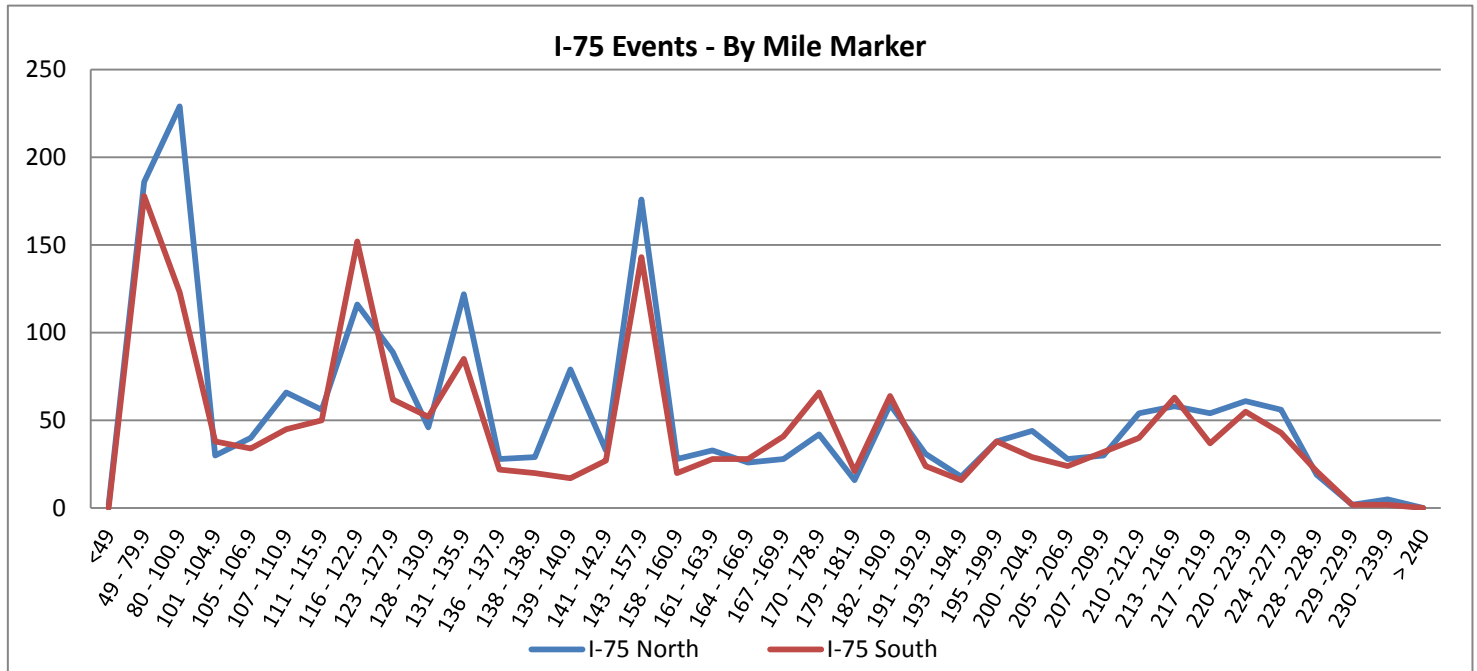
US-41 Northbound	
Collier	8
Lee	45
Charlotte	4
Sarasota	65
Manatee	66
<b>North Total</b>	<b>188</b>

US-41 Southbound	
Collier	8
Lee	28
Charlotte	5
Sarasota	13
Manatee	10
<b>South Total</b>	<b>64</b>

Total Events on US-41
252

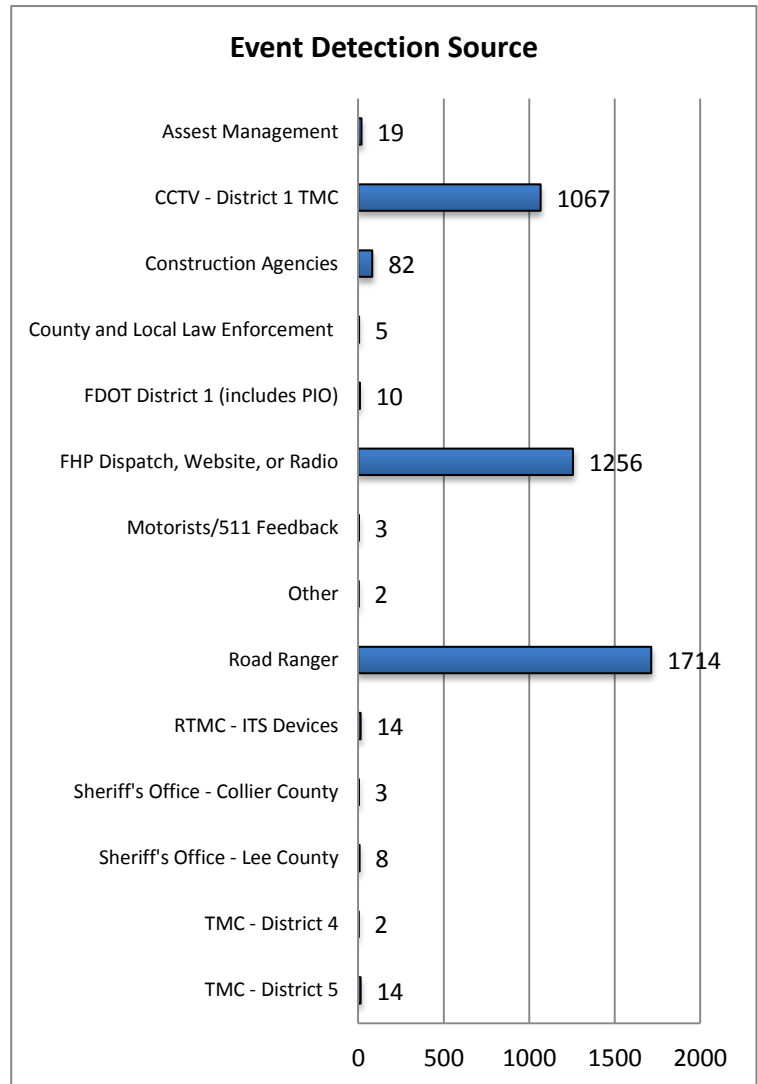
Total Events on I-75
3799

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	19	0.5%
CCTV - District 1 TMC	1067	25.4%
CCTV - Other	0	0.0%
Construction Agencies	82	2.0%
County and Local Law Enforcement	5	0.1%
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)	10	0.2%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1256	29.9%
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	3	0.1%
Other	2	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1714	40.8%
RTMC - ITS Devices (TSS & Safety Barrier)	14	0.3%
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	3	0.1%
Sheriff's Office - Lee County	8	0.2%
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	14	0.3%
TMC - District 7	0	0.0%
TMC - Other Districts	0	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	0	0.0%
<b>Total Number of Incidents</b>	<b>4199</b>	<b>100.0%</b>

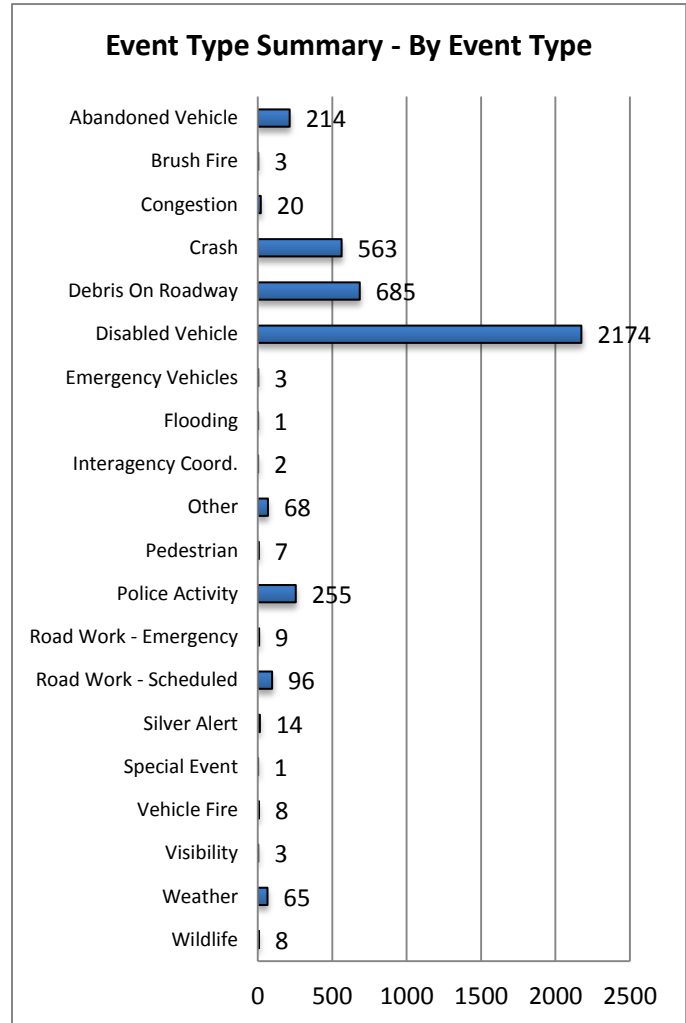


Note: Event Detection Source Categories listed as zero are not included in the above chart.



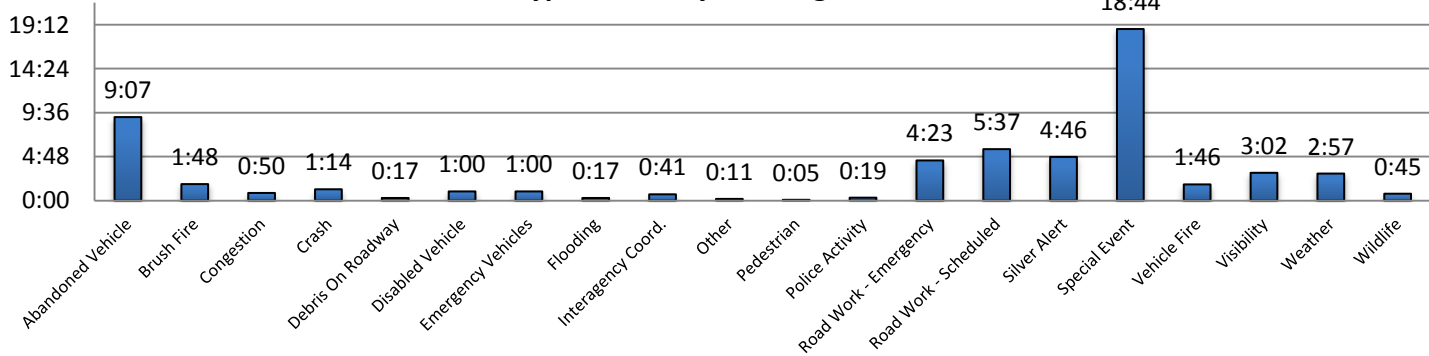
**17. Event Type Summary**

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	214	1:35	9:07
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	3	0:00	1:48
Congestion	20	0:01	0:50
Crash	563	0:55	1:14
Debris On Roadway	685	0:10	0:17
Disabled Vehicle	2174	0:25	1:00
Emergency Vehicles	3	0:14	1:00
Evacuation	0	0:00	0:00
Flooding	1	0:00	0:17
Interagency Coord.	2	0:00	0:41
LEO Alert	0	0:00	0:00
Other	68	0:05	0:11
Pedestrian	7	0:02	0:05
Police Activity	255	0:15	0:19
PSA	0	0:00	0:00
Road Work - Emergency	9	0:21	4:23
Road Work - Scheduled	96	0:00	5:37
Silver Alert	14	0:00	4:46
Special Event	1	0:00	18:44
Vehicle Fire	8	1:01	1:46
Visibility	3	0:08	3:02
Weather	65	0:02	2:57
Wildlife	8	0:25	0:45
<b>Total Events</b>	<b>4199</b>	<b>5:39</b>	<b>58:49</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

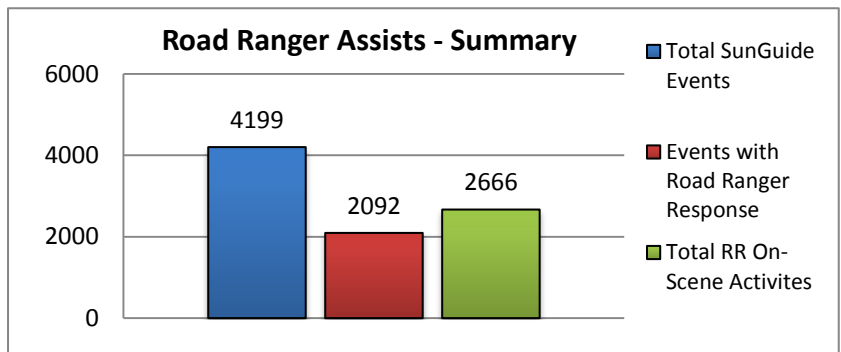
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

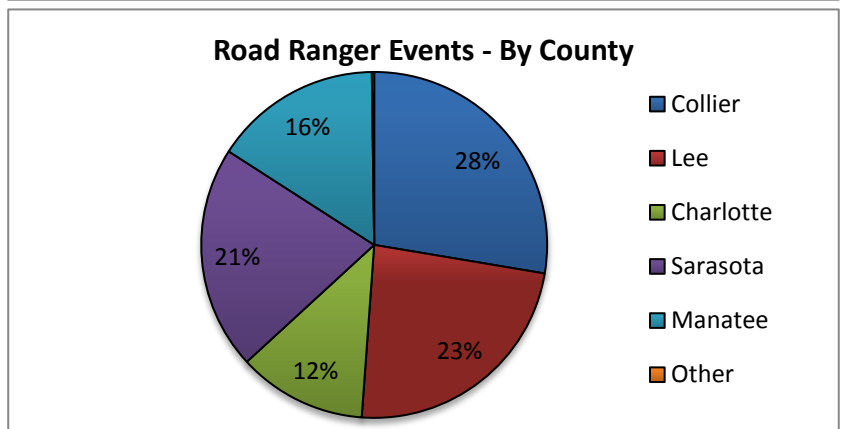
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4199
Events with Road Ranger Response	2092
Total RR On-Scene Activities	2666
Average Activities/Assisted Event	1.27
% of Events Assisted	49.82%



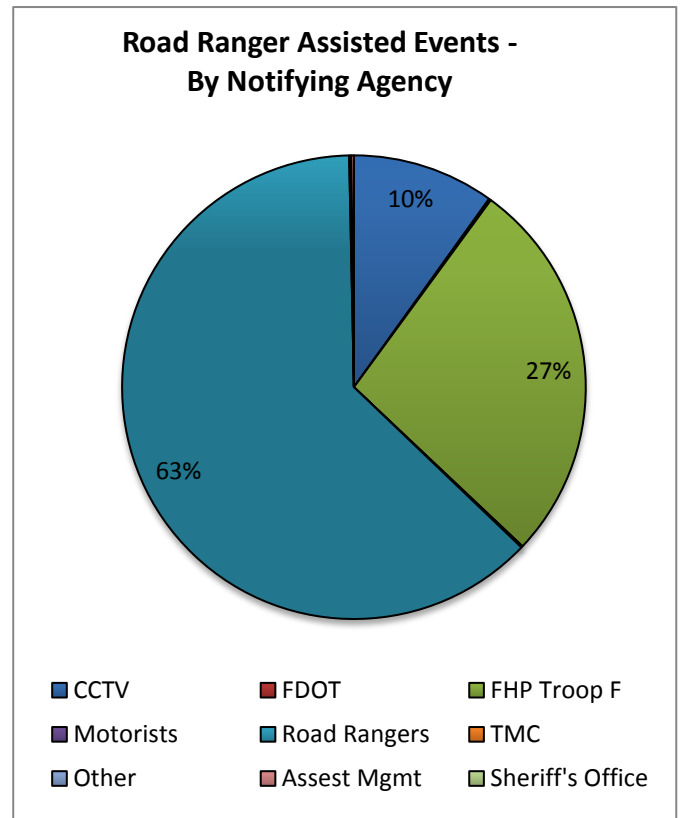
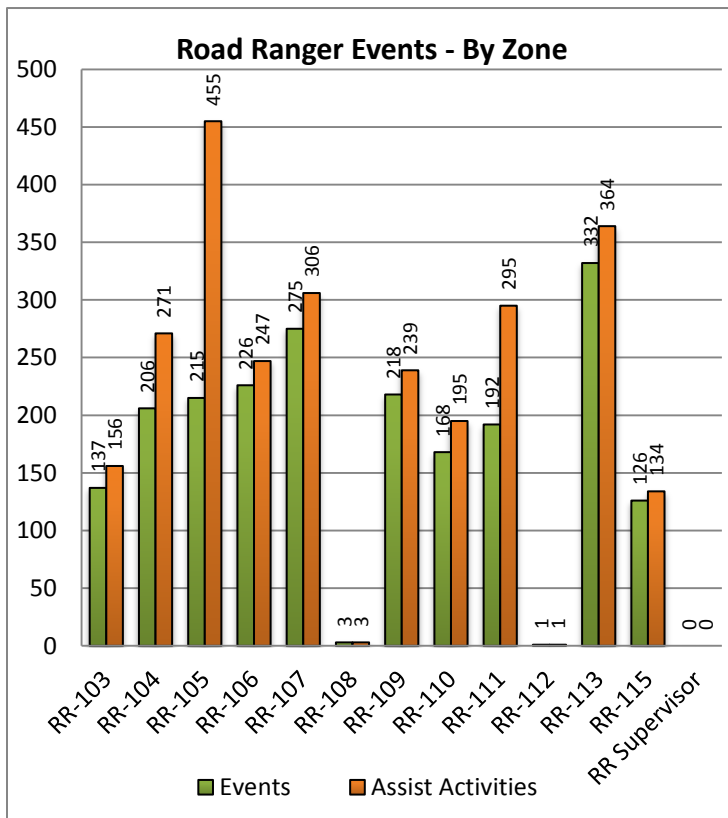
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	756
Lee	643
Charlotte	329
Sarasota	572
Manatee	429
Other	6
Totals	2735





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	137	156
RR-104	206	271
RR-105	215	455
RR-106	226	247
RR-107	275	306
RR-108	3	3
RR-109	218	239
RR-110	168	195
RR-111	192	295
RR-112	1	1
RR-113	332	364
RR-115	126	134
RR Supervisor	0	0
Totals	2099	2666

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	271	9.9%
FDOT	4	0.1%
FHP Troop F	738	27.0%
Motorists	3	0.1%
Road Rangers	1710	62.5%
TMC	4	0.1%
Other	0	0.0%
Assest Mgmt	5	0.2%
Sheriff's Office	0	0.0%
Totals	2735	100.0%

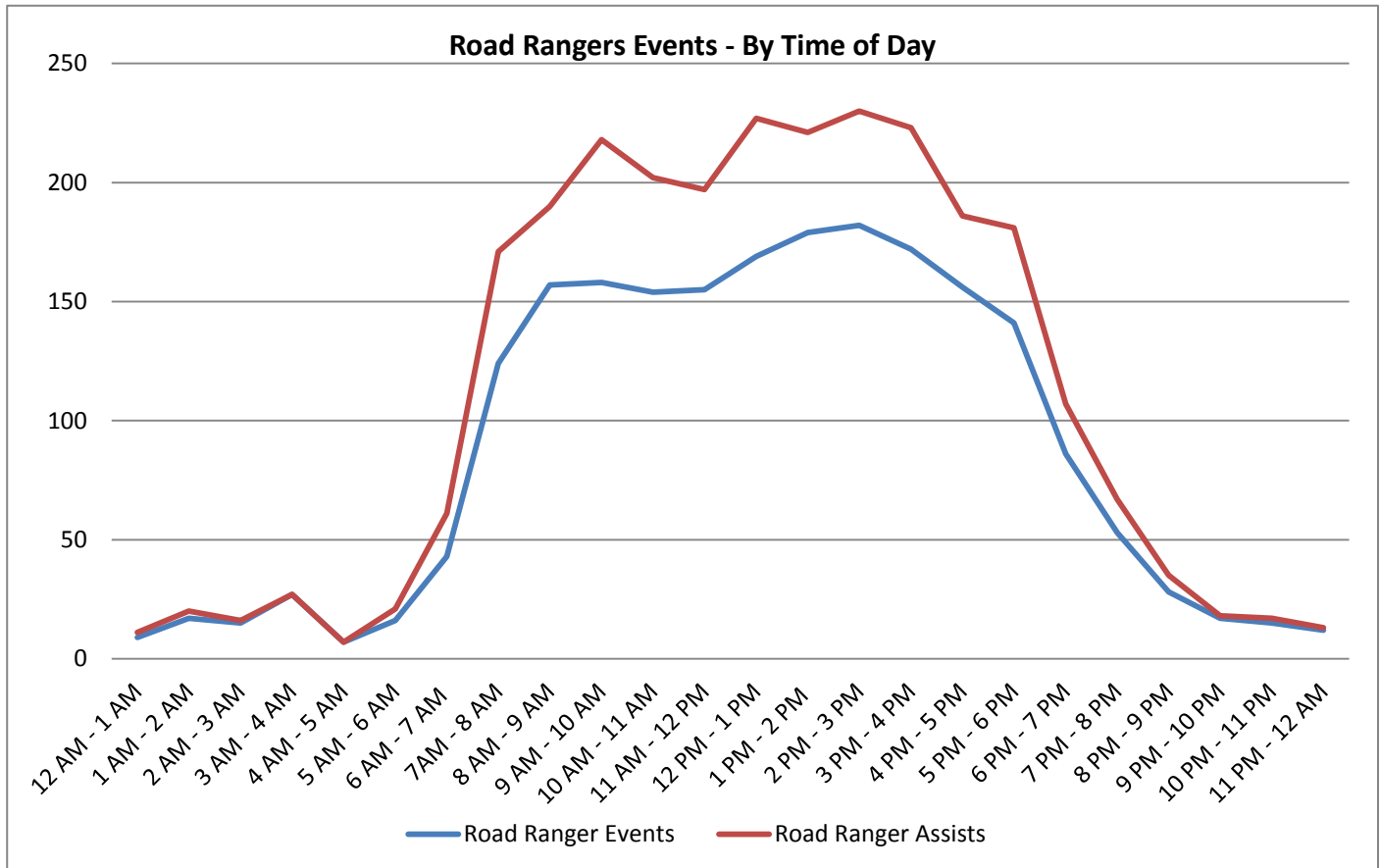




**22. Road Ranger Assisted Events -  
By Time of Day:**

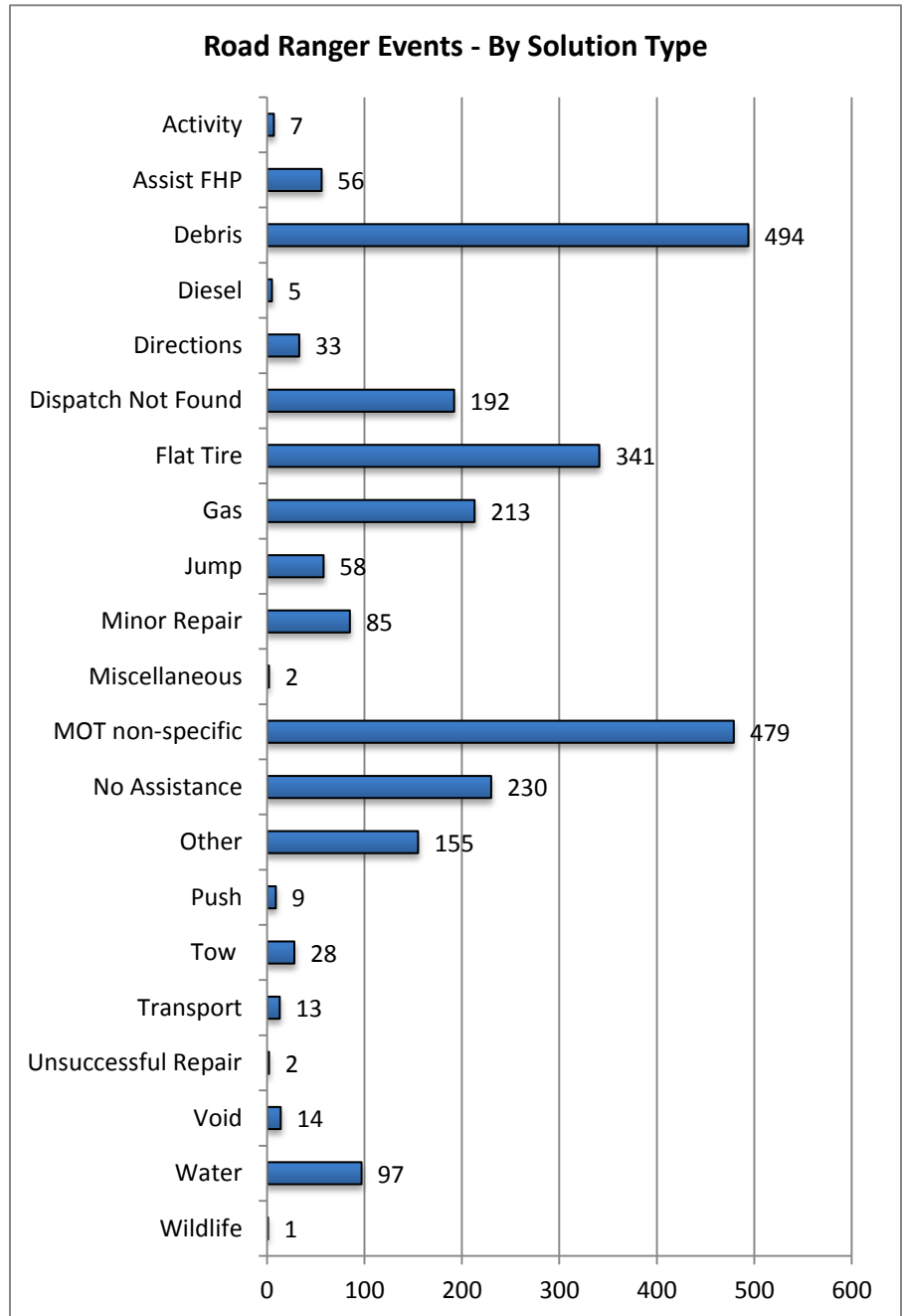
Time of Day	RR Events	RR Assists
12 AM - 1 AM	9	11
1 AM - 2 AM	17	20
2 AM - 3 AM	15	16
3 AM - 4 AM	27	27
4 AM - 5 AM	7	7
5 AM - 6 AM	16	21
6 AM - 7 AM	43	61
7 AM - 8 AM	124	171
8 AM - 9 AM	157	190
9 AM - 10 AM	158	218
10 AM - 11 AM	154	202
11 AM - 12 PM	155	197

Time of Day	RR Events	RR Assists
12 PM - 1 PM	169	227
1 PM - 2 PM	179	221
2 PM - 3 PM	182	230
3 PM - 4 PM	172	223
4 PM - 5 PM	156	186
5 PM - 6 PM	141	181
6 PM - 7 PM	86	107
7 PM - 8 PM	53	67
8 PM - 9 PM	28	35
9 PM - 10 PM	17	18
10 PM - 11 PM	15	17
11 PM - 12 AM	12	13
Totals	2092	2666





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	152
Absorbant	0
Activity	7
Assist FHP	56
Bleach	0
Cold Patch Asphalt	0
Debris	494
Deploy Cones	0
Diesel	5
Directions	33
Dispatch Not Found	192
Flare	0
Flat Tire	341
Flood Lamp	0
Gas	213
Jump	58
Livestock	0
Lockout	0
Minor Repair	85
Miscellaneous	2
MOT non-specific	479
No Assistance	230
Oil	0
Other	155
Phone	0
Portland Cement	0
Push	9
Radio	0
Tow	28
Translate	0
Transmission Fluid	0
Transport	13
Turbo Flare	0
Unsuccessful Repair	2
Void	14
Water	97
Wildlife	1
<b>Total Assist Activities</b>	<b>2666</b>



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