

This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for July 2016. 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:	
	5318

2. Number of Lane Blocking Events:	
	474

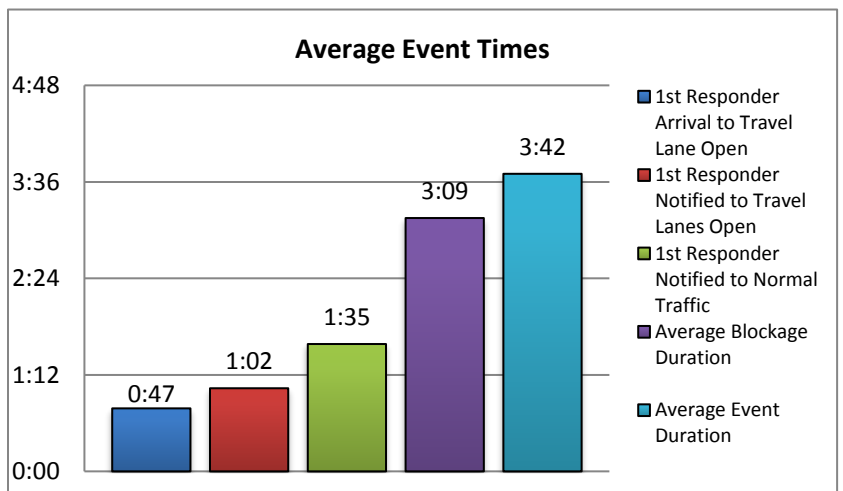
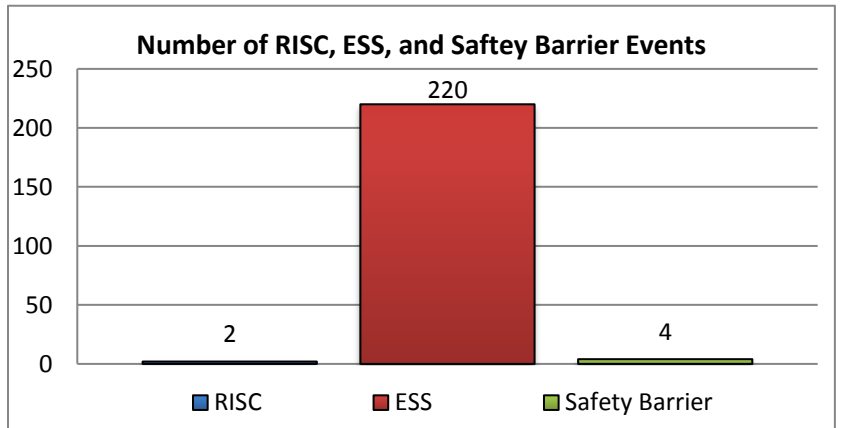
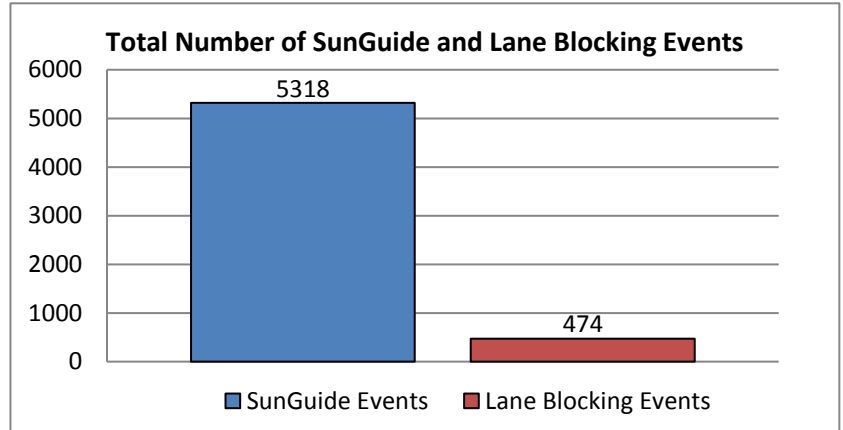
3. Number of RISC Events:	
	2

4. Number of ESS Events:	
	220

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	0:47
Average Incident Duration From First Responder Notified to Travel Lane Open	1:02
Average Incident Duration From First Responder Notified to Normal Traffic	1:35

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	5318
Number of Lane Blocking Events	474
Number of Secondary Incidents	102
Average Blockage Duration	3:09
Average Event Duration	3:42



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.



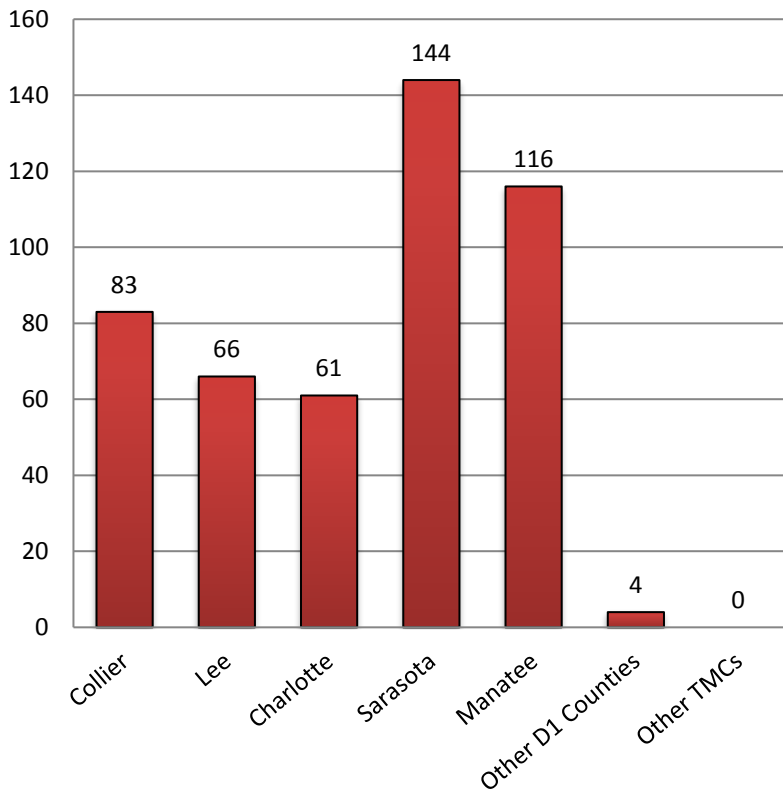
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	82	45	49	86	79	-
US-41	1	8	7	25	34	-
I-275	-	-	-	-	1	-
Arterials	0	13	5	33	2	4
Total Incidents	83	66	61	144	116	4

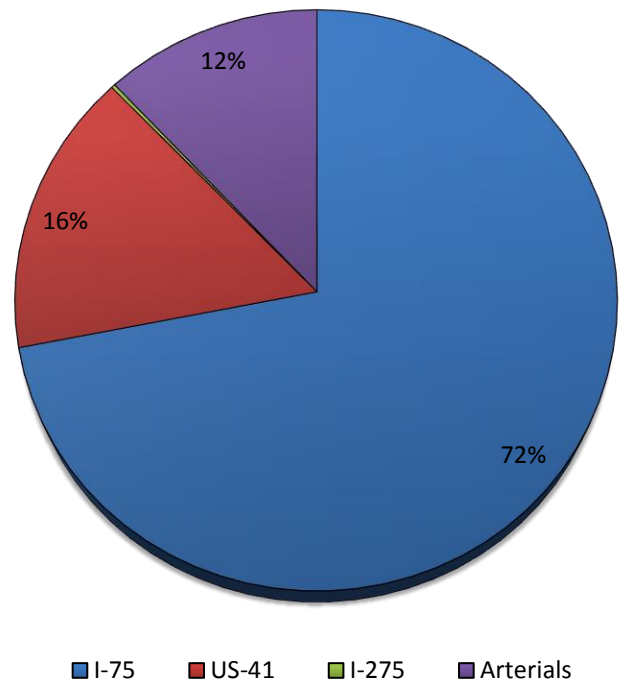
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	341
US-41	0	0	-	-	75
I-275	0	-	-	-	1
Arterials	0	0	0	0	57
Total Incidents	0	0	0	0	474

*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



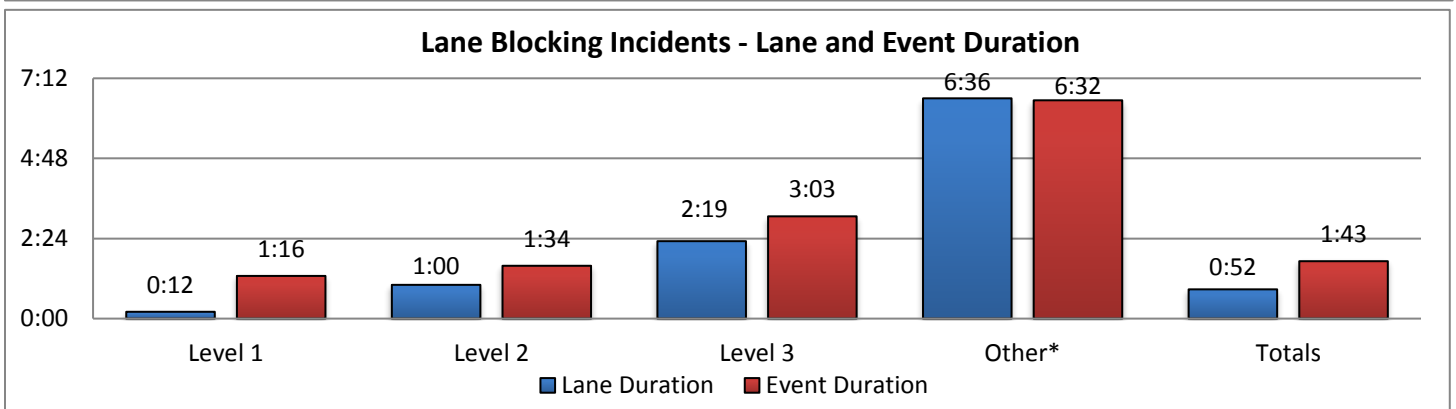
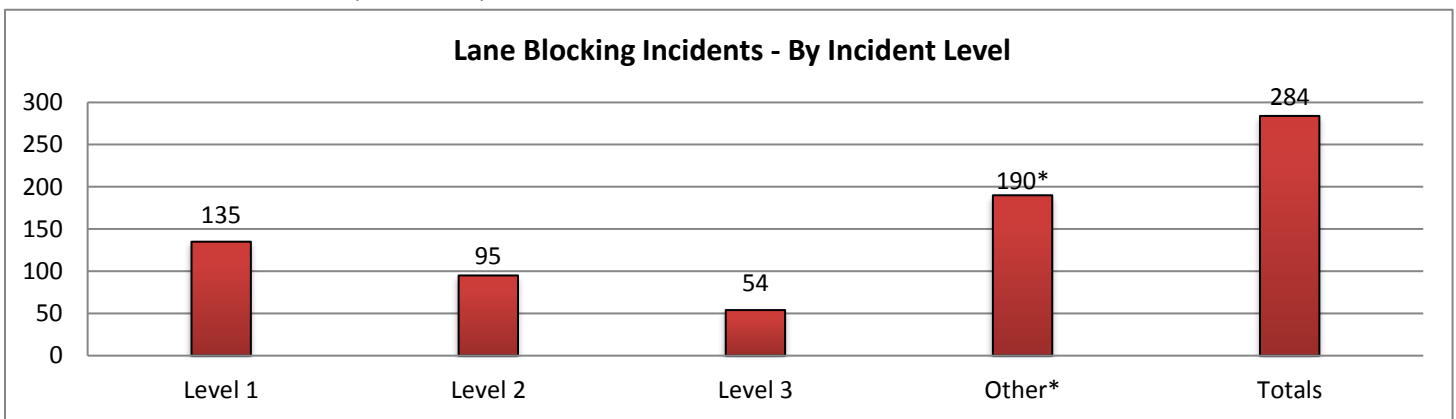


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	17	0:13	1:30	32	0:12	1:02	11	0:10	0:58	38	0:13	1:41
Level 2	7	0:50	1:19	15	0:55	1:21	15	1:03	1:25	30	0:58	1:45
Level 3	9	1:08	1:42	7	2:15	2:40	3	2:13	2:26	15	1:51	2:33
Other*	50*	9:15	9:23	12*	5:07	2:36	32*	6:34	6:40	61*	5:41	5:46
Totals	33	0:35	1:30	54	0:39	1:19	29	0:50	1:21	83	0:46	1:51

	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	37	0:12	1:04	0	0:00	0:00	0	0:00	0:00	135	0:12	1:16
Level 2	28	1:08	1:41	0	0:00	0:00	0	0:00	0:00	95	1:00	1:34
Level 3	17	2:00	3:08	3	10:19	10:54	0	0:00	0:00	54	2:19	3:03
Other*	34*	5:06	5:13	1*	0:00	0:00	0*	0:00	0:00	190*	6:36	6:32
Totals	82	0:53	1:42	3	10:19	10:54	0	0:00	0:00	284	0:52	1:43

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

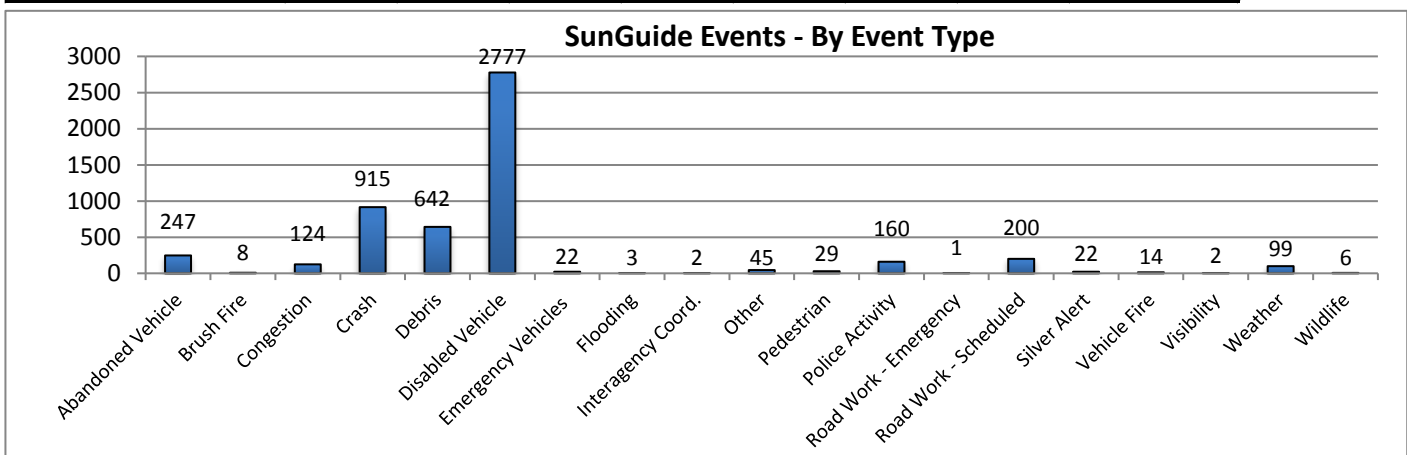




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	50	70	26	60	41	0	0	247
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	3	2	1	1	1	0	0	8
Congestion	3	15	9	41	56	0	0	124
Crash	67	180	80	282	300	5	1	915
Debris	92	159	76	184	129	2	0	642
Disabled Vehicle	975	734	200	467	394	0	7	2777
Emergency Vehicles	3	3	2	4	10	0	0	22
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	1	0	2	0	0	0	3
Interagency Coord.	0	0	0	0	2	0	0	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	10	17	7	10	1	0	0	45
Pedestrian	7	4	3	6	9	0	0	29
Police Activity	52	64	12	15	17	0	0	160
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	0	1	0	0	0	0	0	1
Road Work - Scheduled	55	11	32	65	36	1	0	200
Silver Alert	0	22	0	0	0	0	0	22
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	3	2	1	6	2	0	0	14
Visibility	1	0	1	0	0	0	0	2
Weather	30	24	11	21	13	0	0	99
Wildlife	0	1	1	3	1	0	0	6
Total Incidents	1351	1310	462	1167	1012	8	8	5318

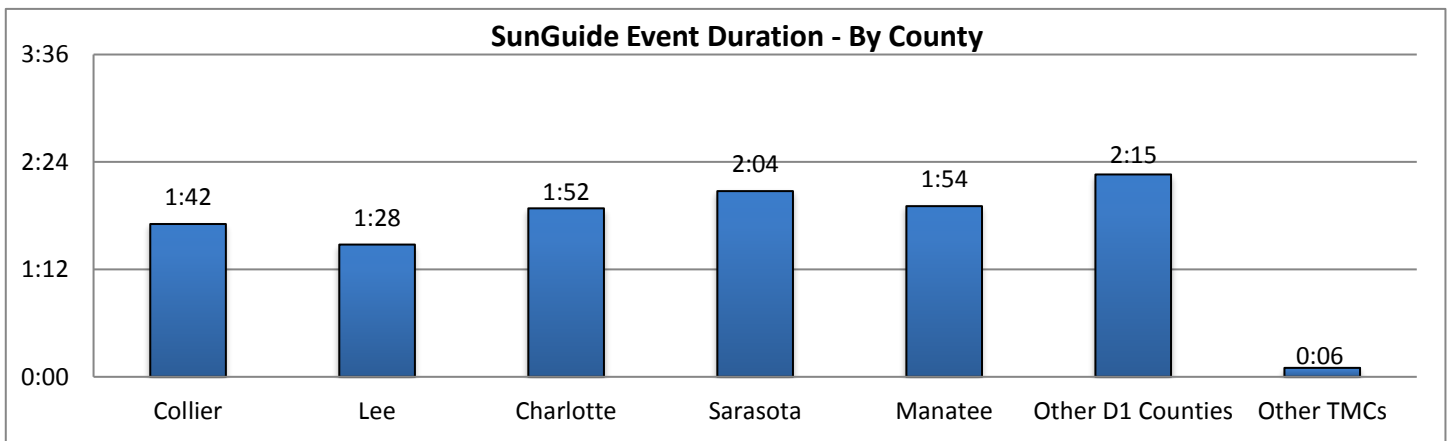
Note: Incident categories that are listed as zero are not included in the chart below.





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	11:37	9:20	8:28	11:13	9:59	0:00	0:00	10:16
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	3:53	0:17	0:33	0:51	0:20	0:00	0:00	1:44
Congestion	0:29	0:38	1:19	1:09	1:19	0:00	0:00	1:09
Crash	1:28	1:15	1:12	1:13	1:34	1:49	0:28	1:21
Debris	0:17	0:19	0:14	0:19	0:23	0:19	0:00	0:18
Disabled Vehicle	1:00	1:02	1:17	1:50	1:46	0:00	0:02	1:16
Emergency Vehicles	0:34	0:30	1:50	1:35	0:42	0:00	0:00	0:55
Evacuation	0:00	0:00	0:00	48:00	0:00	0:00	0:00	0:00
Flooding	0:00	0:18	0:00	1:15	0:00	0:00	0:00	0:56
Interagency Coord.	0:00	0:00	0:00	0:00	1:20	0:00	0:00	1:20
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:21	0:10	1:14	0:06	1:14	0:00	0:00	0:22
Pedestrian	0:43	0:21	0:32	0:47	0:36	0:00	0:00	0:37
Police Activity	0:25	0:25	0:14	0:27	0:20	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	0:00	0:42	0:00	0:00	0:00	0:00	0:00	0:42
Road Work - Scheduled	9:13	6:01	6:48	5:41	4:58	8:18	0:00	6:44
Silver Alert	0:00	3:25	0:00	0:00	0:00	0:00	0:00	3:25
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	1:09	1:14	0:31	2:34	4:36	0:00	0:00	2:13
Visibility	1:55	0:00	3:35	0:00	0:00	0:00	0:00	2:45
Weather	2:17	2:32	2:30	1:38	1:30	0:00	0:00	2:07
Wildlife	0:00	0:04	0:41	0:40	1:04	0:00	0:00	0:38
Total Incidents	1:42	1:28	1:52	2:04	1:54	2:15	0:06	1:46





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
2892	341	8	2:29

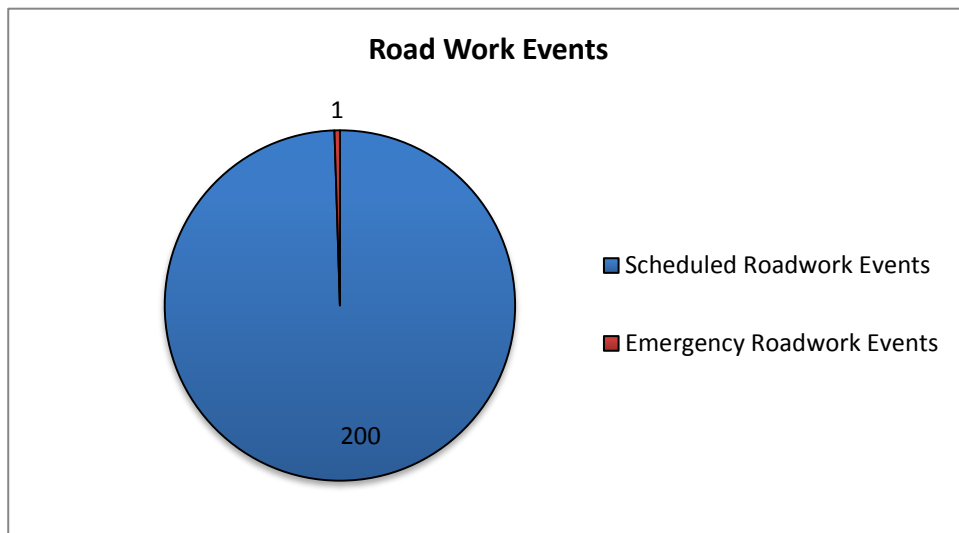
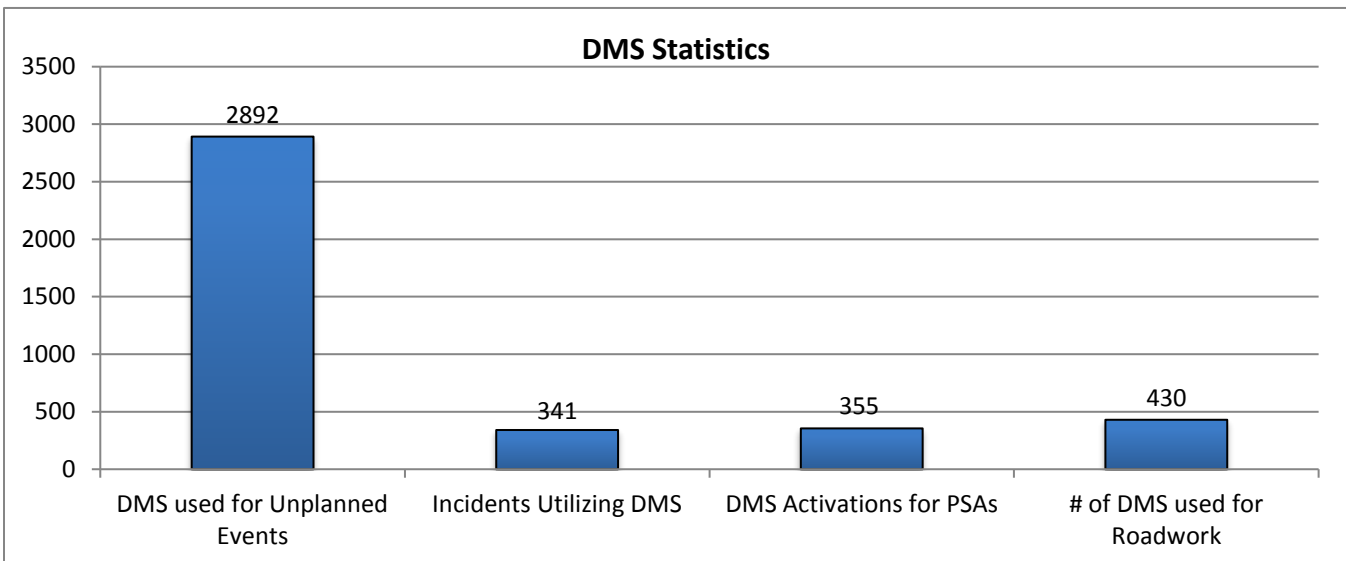
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
355

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
200	1	201
# DMS Used for Road Work		Average # of DMS/Pattern
430		2

* 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	4	Mile <49	0
Mile 49-79.9	225	Mile 49-79.9	276
Mile 80-100.9	267	Mile 80-100.9	206
Mile 101-104.9	33	Mile 101-104.9	31
Mile 105-106.9	30	Mile 105-106.9	42
Mile 107-110.9	76	Mile 107-110.9	61
Mile 111-115.9	70	Mile 111-115.9	35
Mile 116-122.9	137	Mile 116-122.9	141
Mile 123-127.9	108	Mile 123-127.9	73
Mile 128-130.9	74	Mile 128-130.9	53
Mile 131-135.9	107	Mile 131-135.9	70
Mile 136 -137.9	27	Mile 136 -137.9	20
Mile 138 -138.9	28	Mile 138 -138.9	21
Mile 139 - 140.9	47	Mile 139 - 140.9	23
Mile 141 - 142.9	44	Mile 141 - 142.9	35
Mile 143 - 157.9	180	Mile 143 - 157.9	149
Mile 158 - 160.9	31	Mile 158 - 160.9	28
Mile 161 - 163.9	42	Mile 161 - 163.9	26
Mile 164 - 166.9	31	Mile 164 - 166.9	40
Mile 167 -169.9	25	Mile 167 -169.9	24
Mile 170 - 178.9	65	Mile 170 - 178.9	61
Mile 179 - 181.9	32	Mile 179 - 181.9	25
Mile 182 - 190.9	88	Mile 182 - 190.9	81
Mile 191 - 192.9	36	Mile 191 - 192.9	42
Mile 193 - 194.9	32	Mile 193 - 194.9	40
Mile 195 -199.9	58	Mile 195 -199.9	45
Mile 200 - 204.9	65	Mile 200 - 204.9	88
Mile 205 - 206.9	45	Mile 205 - 206.9	28
Mile 207 - 209.9	34	Mile 207 - 209.9	47
Mile 210 -212.9	68	Mile 210 -212.9	52
Mile 213 - 216.9	125	Mile 213 - 216.9	121
Mile 217 - 219.9	69	Mile 217 - 219.9	82
Mile 220 - 223.9	90	Mile 220 - 223.9	96
Mile 224 -227.9	64	Mile 224 -227.9	67
Mile 228 - 228.9	26	Mile 228 - 228.9	20
Mile 229 -229.9	3	Mile 229 -229.9	4
Mile 230 - 239.9	1	Mile 230 - 239.9	2
> Mile 240	0	> Mile 240	0
North Total	2487	South Total	2255

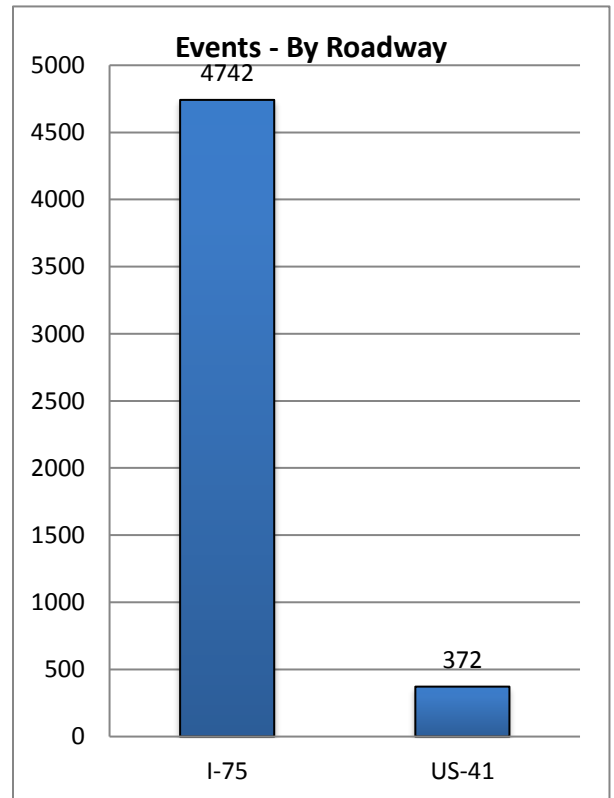
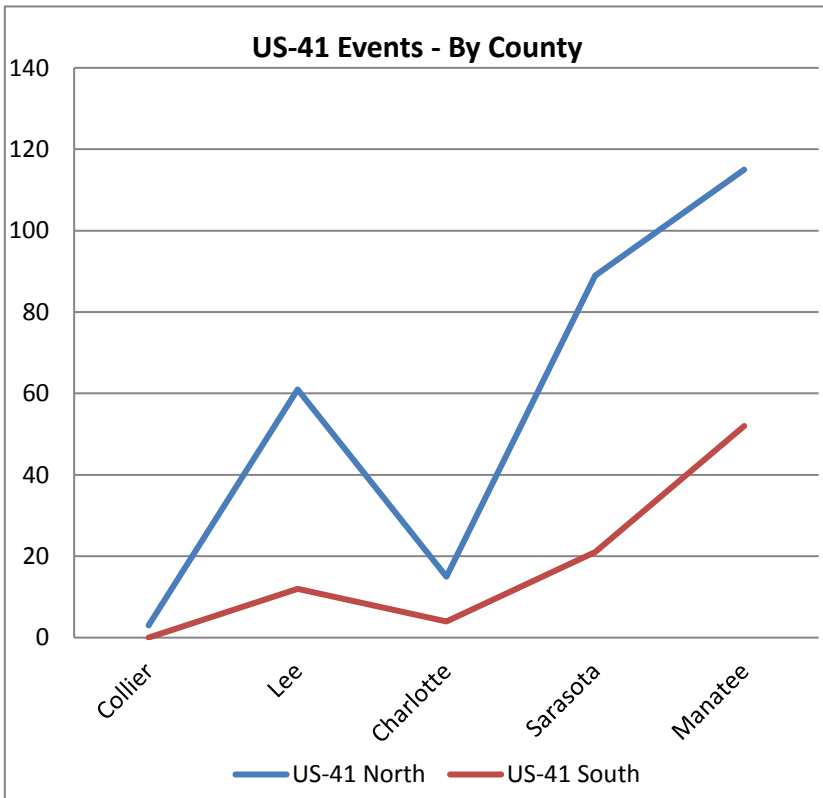
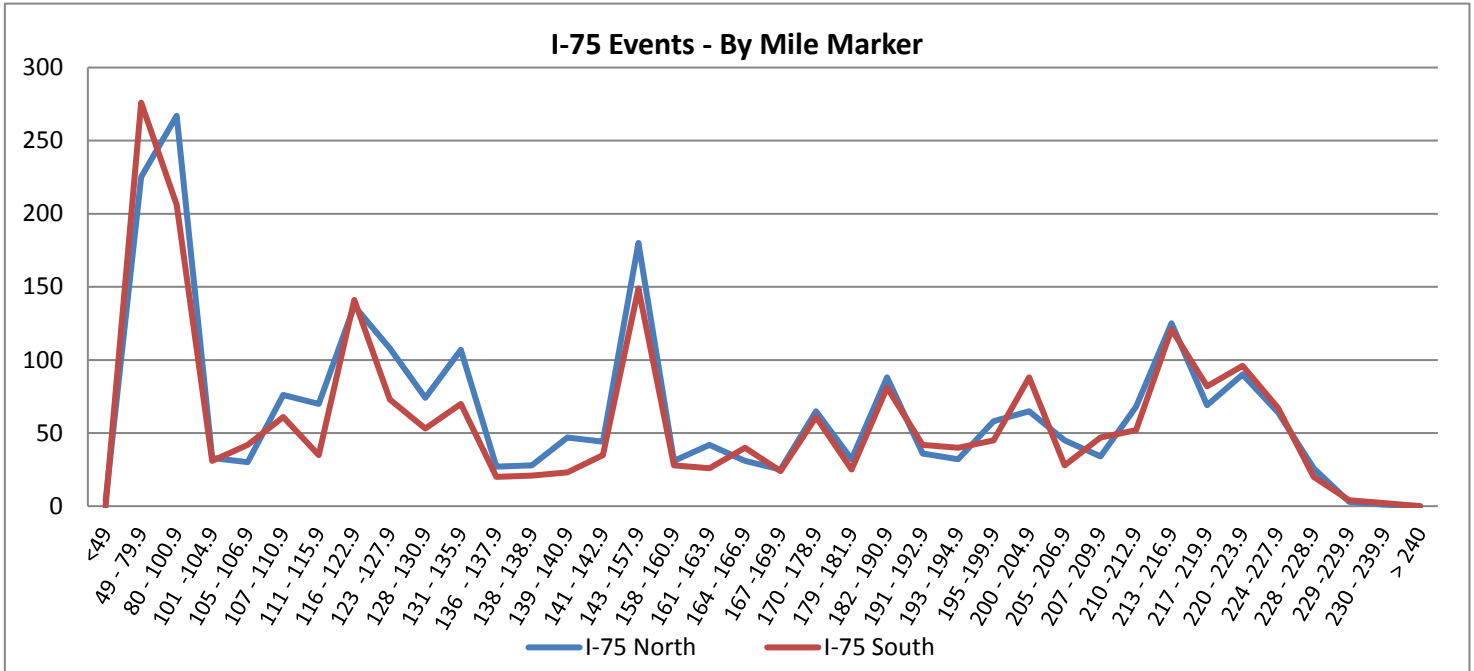
US-41 Northbound	
Collier	3
Lee	61
Charlotte	15
Sarasota	89
Manatee	115
North Total	283

US-41 Southbound	
Collier	0
Lee	12
Charlotte	4
Sarasota	21
Manatee	52
South Total	89

Total Events on US-41
372

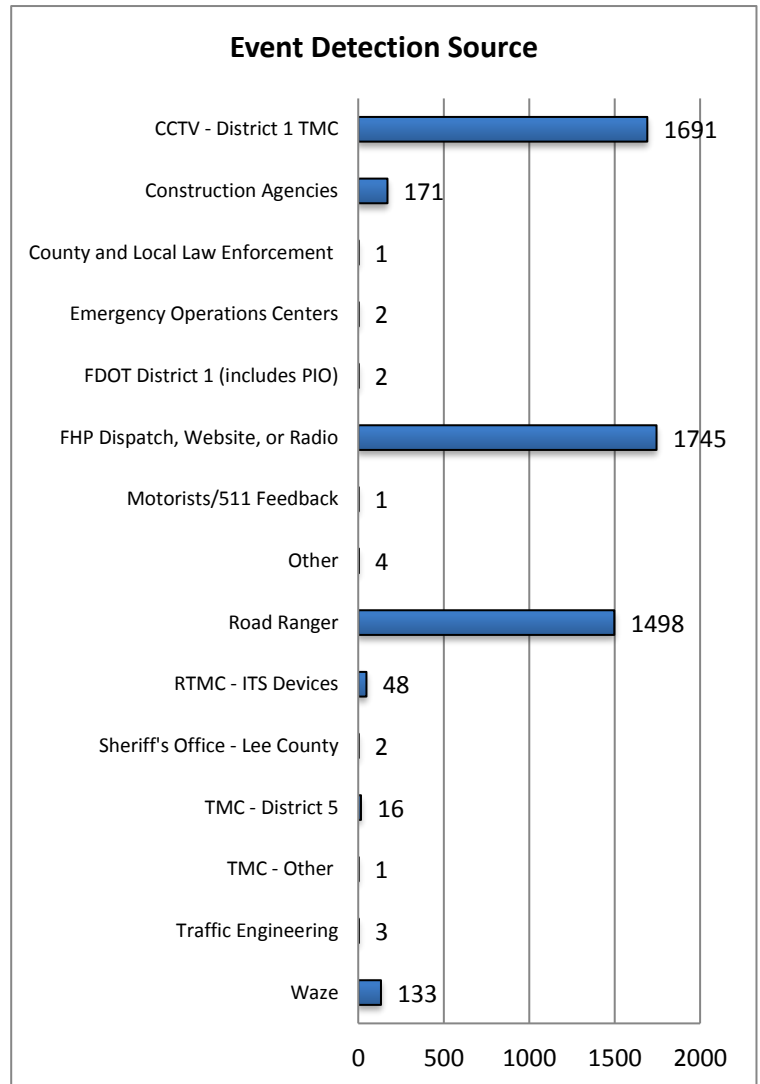
Total Events on I-75
4742

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	0	0.0%
CCTV - District 1 TMC	1691	31.8%
CCTV - Other	0	0.0%
Construction Agencies	171	3.2%
County and Local Law Enforcement	1	0.0%
Emergency Operations Centers	2	0.0%
Emergency Responders	0	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	1745	32.8%
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	4	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1498	28.2%
RTMC - ITS Devices (TSS & Safety Barrier)	48	0.9%
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	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	16	0.3%
TMC - District 7	0	0.0%
TMC - Other	1	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	3	0.1%
Waze	133	2.5%
Total Number of Incidents	5318	100.0%

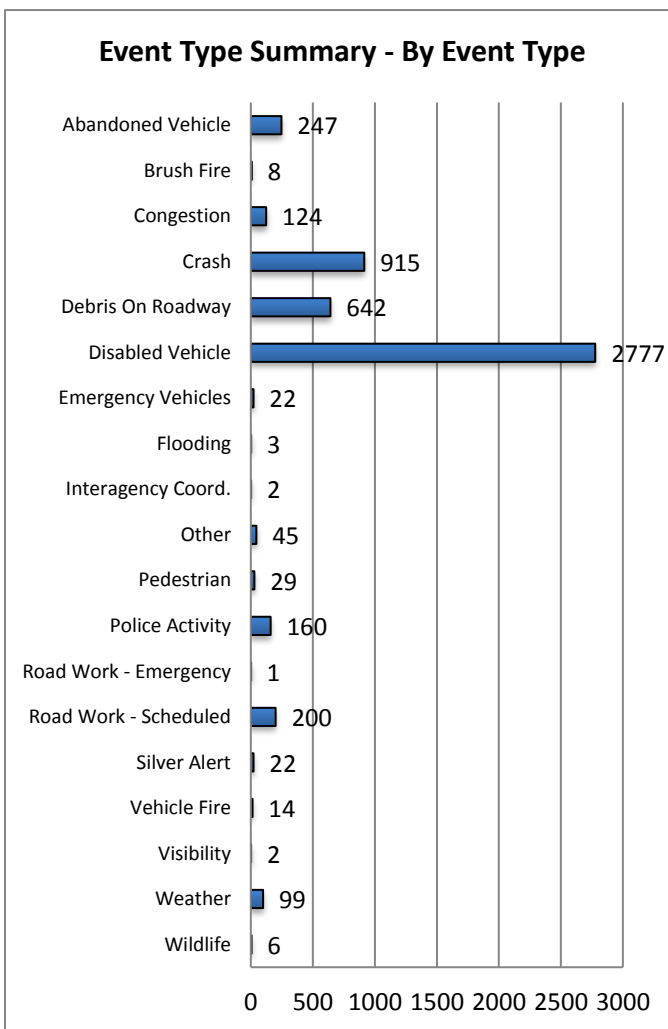


Note: Event Detection Source Categories listed as zero are not included in the above chart.



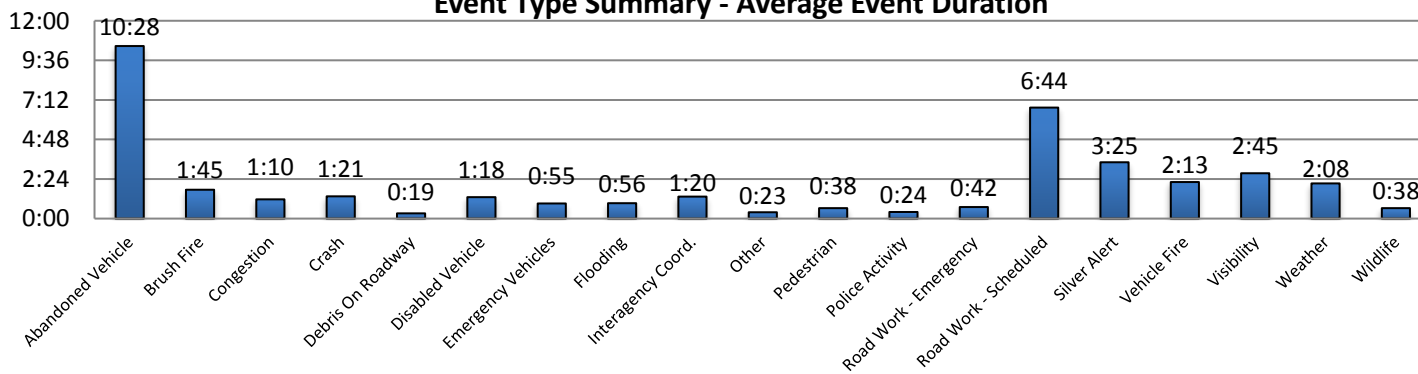
17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	247	2:55	10:28
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	8	1:42	1:45
Congestion	124	0:00	1:10
Crash	915	0:57	1:21
Debris On Roadway	642	0:11	0:19
Disabled Vehicle	2777	0:24	1:18
Emergency Vehicles	22	0:46	0:55
Evacuation	0	0:00	0:00
Flooding	3	0:24	0:56
Interagency Coord.	2	0:00	1:20
LEO Alert	0	0:00	0:00
Other	45	0:06	0:23
Pedestrian	29	0:05	0:38
Police Activity	160	0:16	0:24
PSA	0	0:00	0:00
Road Work - Emergency	1	0:00	0:42
Road Work - Scheduled	200	0:10	6:44
Silver Alert	22	0:08	3:25
Special Event	0	0:00	0:00
Vehicle Fire	14	1:05	2:13
Visibility	2	0:00	2:45
Weather	99	0:02	2:08
Wildlife	6	0:03	0:38
Total Events	5318	0:36	2:04



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

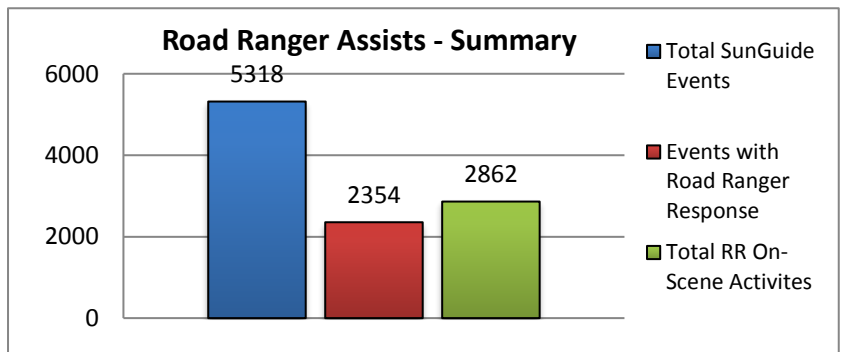
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

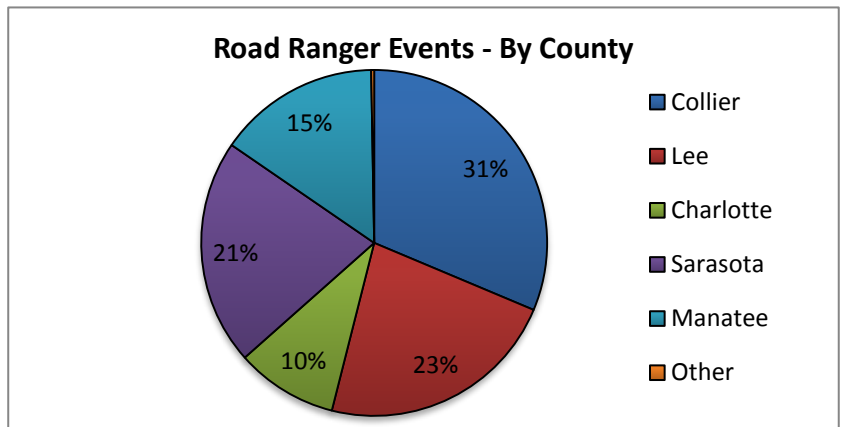
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	5318
Events with Road Ranger Response	2354
Total RR On-Scene Activities	2862
Average Activities/Assisted Event	1.22
% of Events Assisted	44.26%



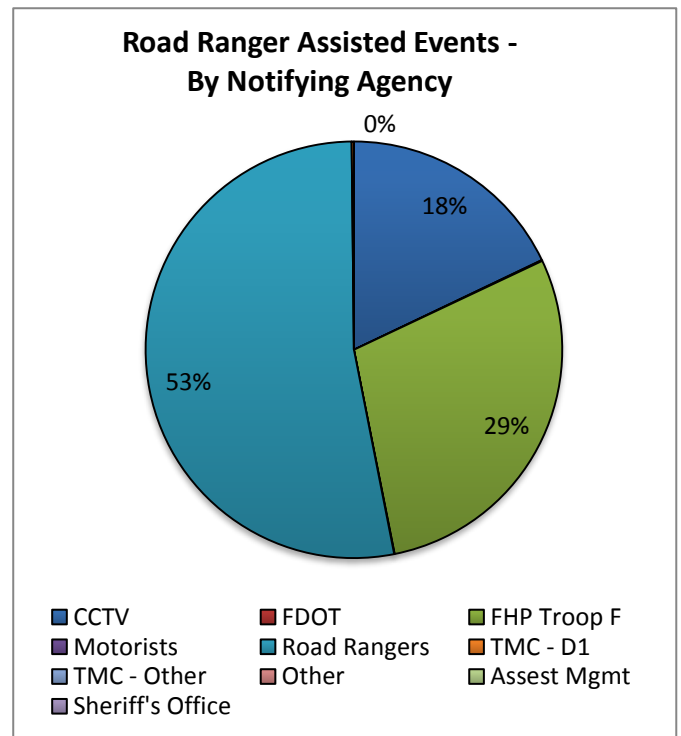
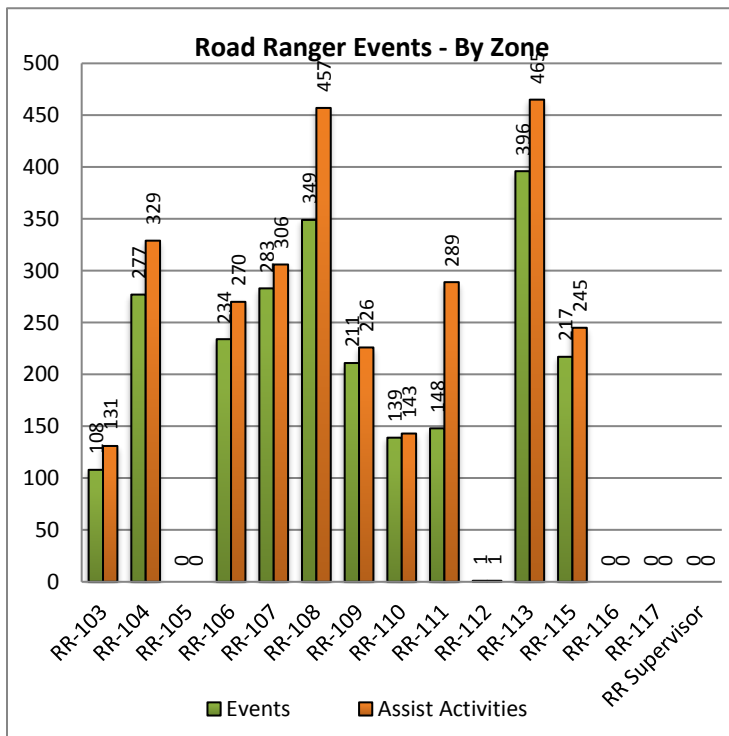
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	902
Lee	651
Charlotte	274
Sarasota	608
Manatee	436
Other	8
Totals	2879





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	108	131
RR-104	277	329
RR-105	0	0
RR-106	234	270
RR-107	283	306
RR-108	349	457
RR-109	211	226
RR-110	139	143
RR-111	148	289
RR-112	1	1
RR-113	396	465
RR-115	217	245
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2363	2862

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	506	17.6%
FDOT	2	0.1%
FHP Troop F	816	28.3%
Motorists	1	0.0%
Road Rangers	1495	51.9%
TMC - D1	5	0.2%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	0	0.0%
Sheriff's Office	0	0.0%
Waze	54	1.9%
Totals	2879	100.0%

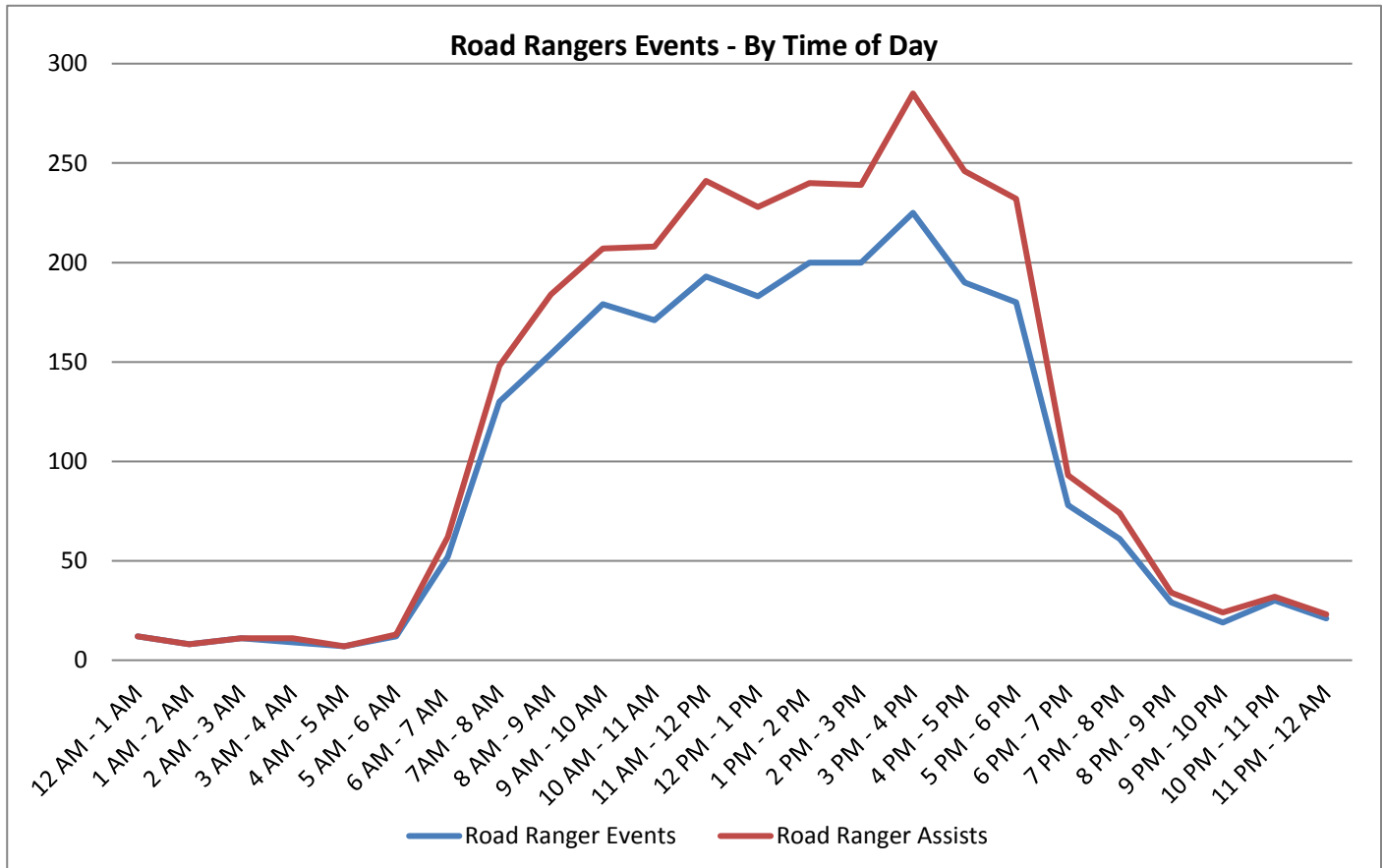




**22. Road Ranger Assisted Events -
By Time of Day:**

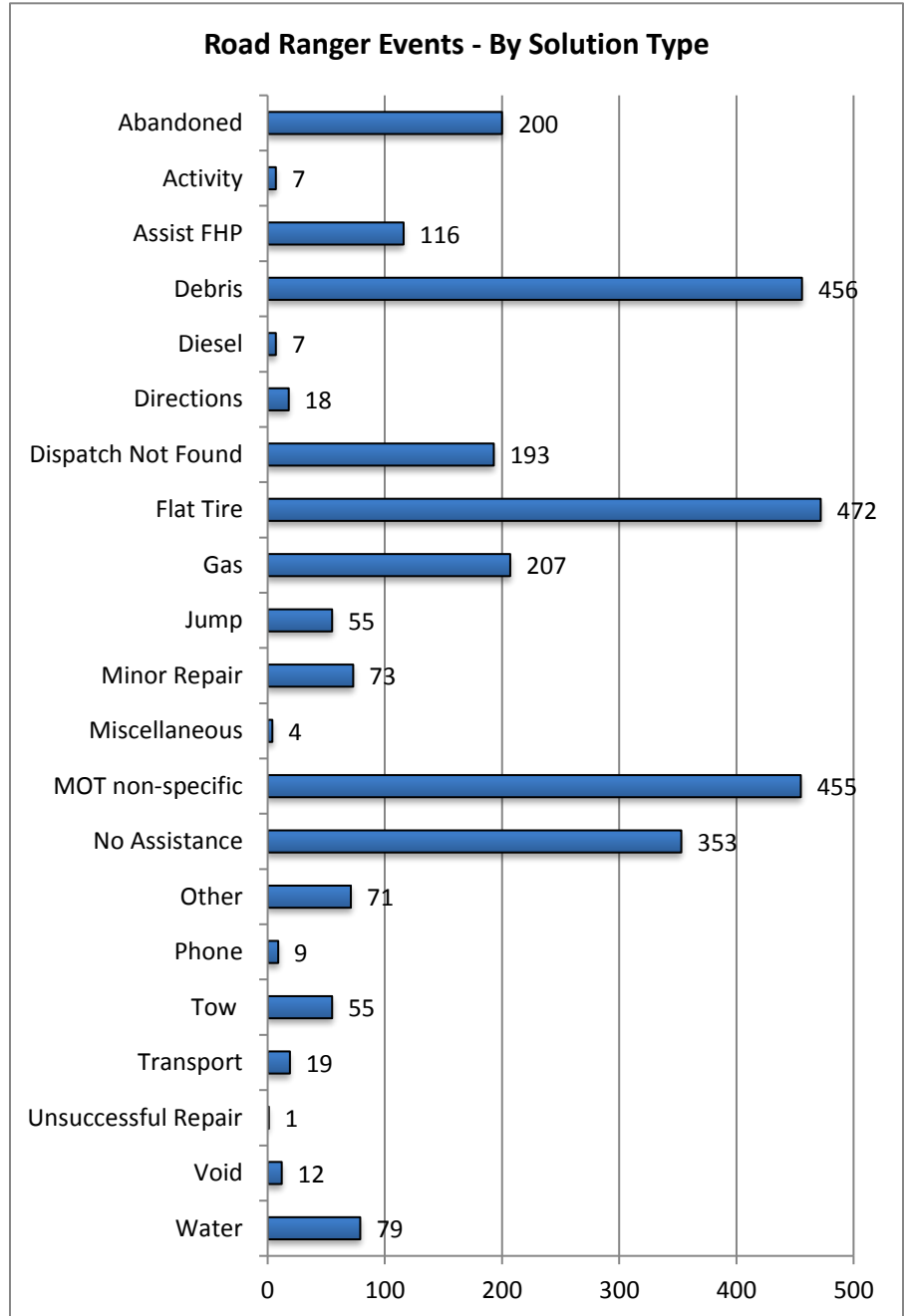
Time of Day	RR Events	RR Assists
12 AM - 1 AM	12	12
1 AM - 2 AM	8	8
2 AM - 3 AM	11	11
3 AM - 4 AM	9	11
4 AM - 5 AM	7	7
5 AM - 6 AM	12	13
6 AM - 7 AM	52	62
7 AM - 8 AM	130	148
8 AM - 9 AM	154	184
9 AM - 10 AM	179	207
10 AM - 11 AM	171	208
11 AM - 12 PM	193	241

Time of Day	RR Events	RR Assists
12 PM - 1 PM	183	228
1 PM - 2 PM	200	240
2 PM - 3 PM	200	239
3 PM - 4 PM	225	285
4 PM - 5 PM	190	246
5 PM - 6 PM	180	232
6 PM - 7 PM	78	93
7 PM - 8 PM	61	74
8 PM - 9 PM	29	34
9 PM - 10 PM	19	24
10 PM - 11 PM	30	32
11 PM - 12 AM	21	23
Totals	2354	2862





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	200
Absorbant	0
Activity	7
Assist FHP	116
Bleach	0
Cold Patch Asphalt	0
Debris	456
Deploy Cones	0
Diesel	7
Directions	18
Dispatch Not Found	193
Flare	0
Flat Tire	472
Flood Lamp	0
Gas	207
Jump	55
Livestock	0
Lockout	0
Minor Repair	73
Miscellaneous	4
MOT non-specific	455
No Assistance	353
Oil	0
Other	71
Phone	9
Portland Cement	0
Push	0
Radio	0
Tow	55
Translate	0
Transmission Fluid	0
Transport	19
Turbo Flare	0
Unsuccessful Repair	1
Void	12
Water	79
Wildlife	0
Total Assist Activities	2862



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