

This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for January 2017. This Report contains the numerical data and counts that were derived from the SunGuide System events created by the operations staff.

Table Of Contents

- 1 Number Of SunGuide Events
- 2 Number of Lane Closing Events
- 3 Number of Rapid Incident Scene Clearance (RISC) Events
- 4 Number of Emergency Stopping Site (ESS) events.
- 5 Number of Events from a Safety Barrier Alert.
- 6 Average Open Roads Policy & Normal Traffic Times for I-75 Incidents
- 7 Average Blockage/Event Duration - Lane Blocking Events
- 8 Lane Blocking Events- By County and Roadway
- 9 Lane Blocking Incidents - By Incident Level
- 10 SunGuide Events - By Event Type
- 11 SunGuide Event Duration (Average) - By Event Type
- 12 Event - DMS Statistics
- 13 Public Service Announcements - DMS Activations
- 14 Road Work - DMS Statistics
- 15 Event Location Summary- By Mile Marker
- 16 Event Detection Source
- 17 Event Type Summary
- 18 Road Ranger Assist Summary
- 19 Road Ranger Assist Activities - By County
- 20 Road Ranger Events - By Zone
- 21 Road Ranger Assisted Events - By Notifying Agency
- 22 Road Ranger Assisted Events - By Time of Day
- 23 Road Ranger Assisted Events - By Solution Type

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, delays, emergency road work, road closures, flooding, police activity, child abduction alerts, etc.
*** Please note that pre-planned road work is not considered an incident.*
- 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:	
	5224

2. Number of Lane Blocking Events:	
	500

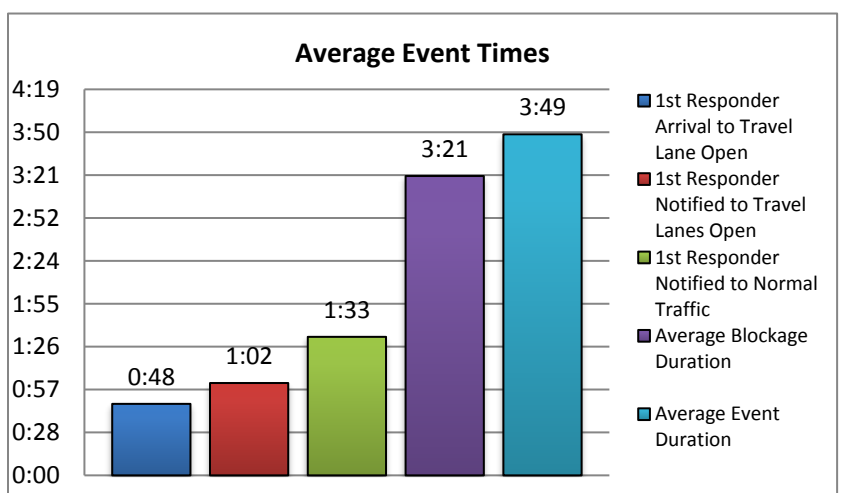
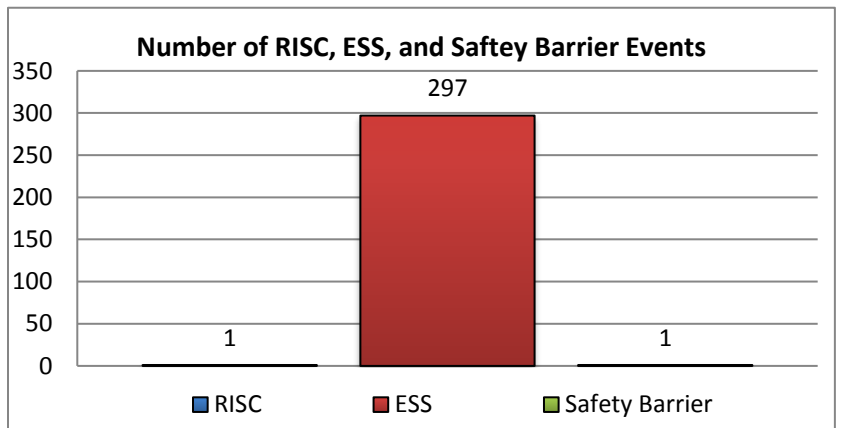
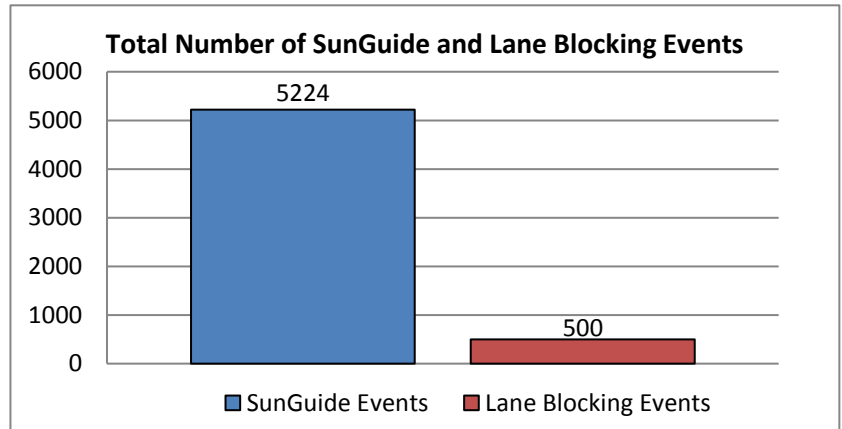
3. Number of RISC Events:	
	1

4. Number of ESS Events:	
	297

5. Events from a Safety Barrier Alert:	
	1

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	1:02
Average Incident Duration From First Responder Notified to Normal Traffic	1:33

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	5224
Number of Lane Blocking Events	500
Number of Secondary Incidents	95
Average Blockage Duration	3:21
Average Event Duration	3:49



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.



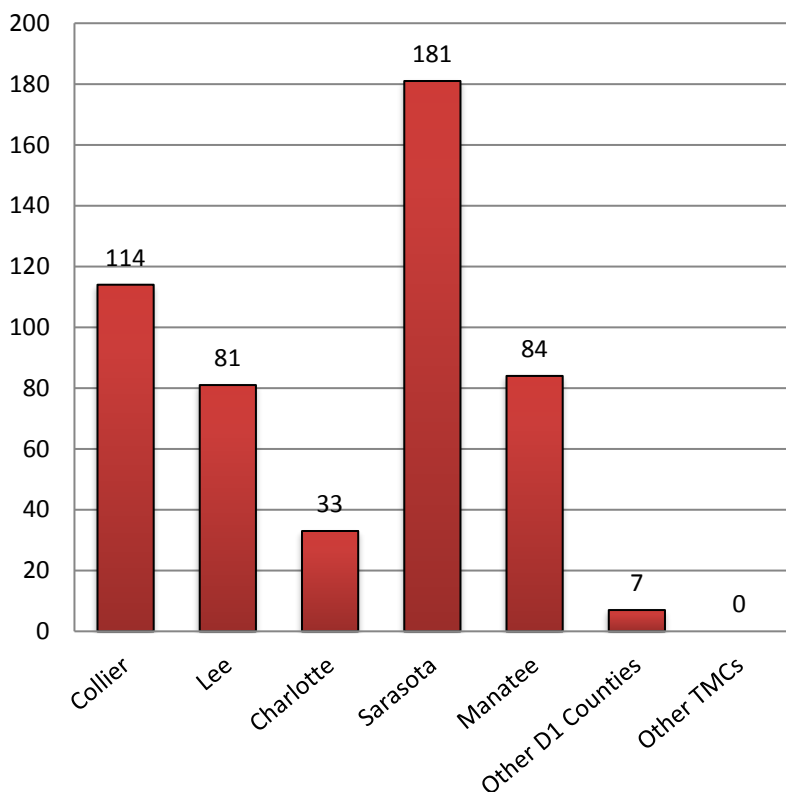
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	87	27	21	131	59	-
US-41	7	39	5	14	19	-
I-275	-	-	-	-	2	-
Arterials	20	15	7	36	4	7
Total Incidents	114	81	33	181	84	7

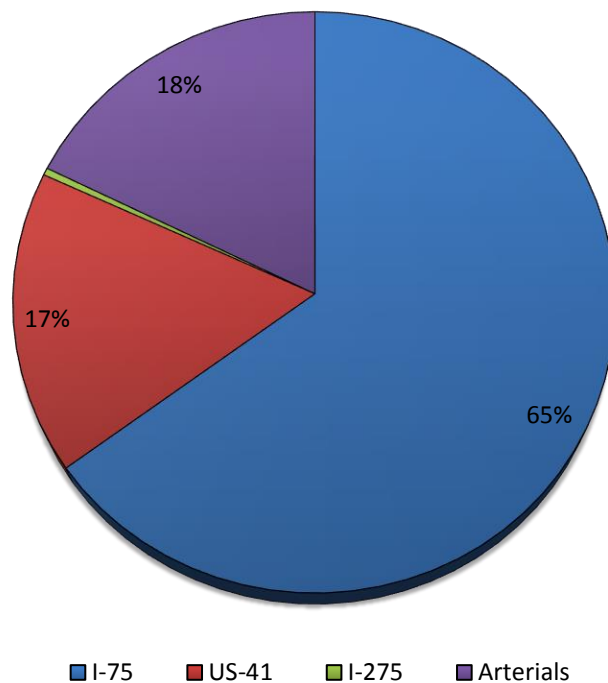
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	325
US-41	0	0	-	-	84
I-275	0	-	-	-	2
Arterials	0	0	0	0	89
Total Incidents	0	0	0	0	500

*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



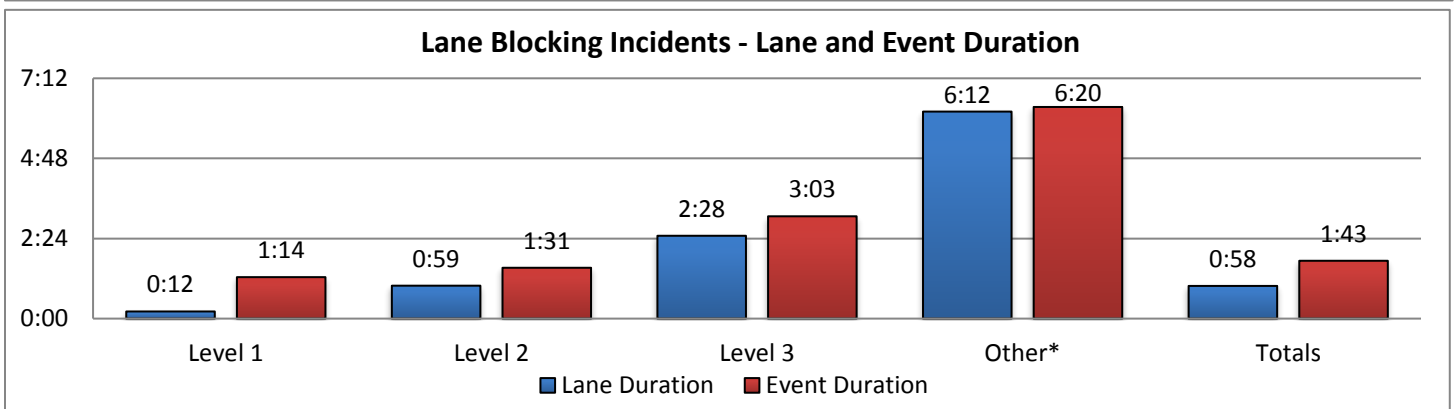
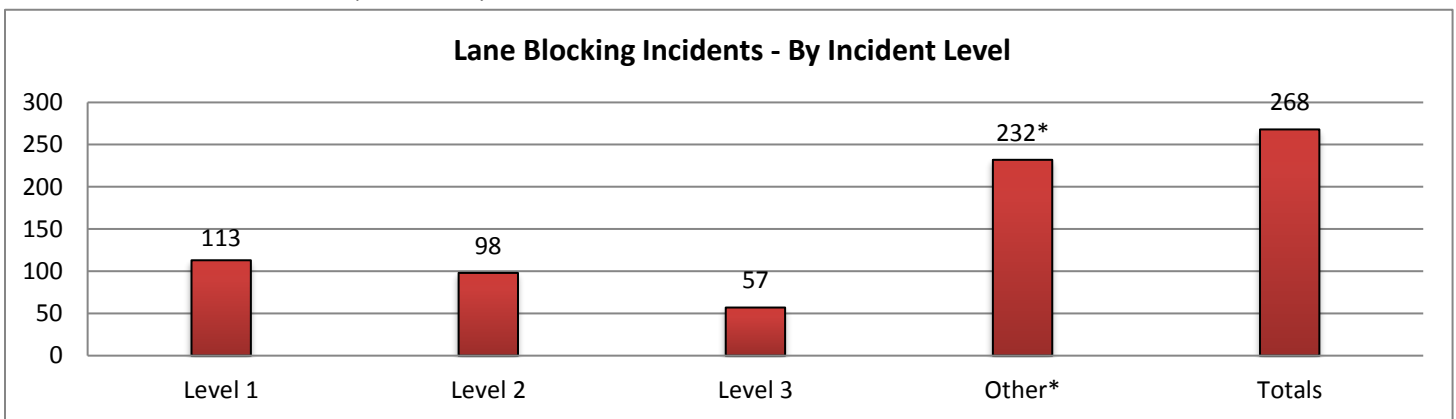


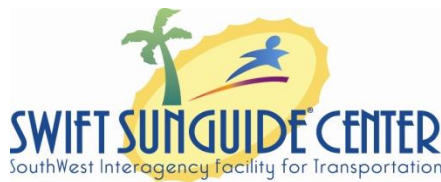
9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	20	0:13	2:23	31	0:13	0:47	14	0:13	0:51	28	0:13	1:24
Level 2	16	1:11	1:45	30	0:56	1:20	5	0:56	1:14	27	0:52	1:35
Level 3	18	2:13	3:03	12	2:13	2:27	5	1:16	1:48	4	1:51	2:27
Other*	60*	8:07	8:15	8*	4:13	4:33	9*	4:18	4:32	122*	5:49	5:57
Totals	54	1:10	2:25	73	0:50	1:17	24	0:35	1:07	59	0:37	1:33

	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	20	0:12	0:52	0	0:00	0:00	0	0:00	0:00	113	0:12	1:14
Level 2	20	1:05	1:37	0	0:00	0:00	0	0:00	0:00	98	0:59	1:31
Level 3	14	1:55	2:37	4	8:36	8:45	0	0:00	0:00	57	2:28	3:03
Other*	30*	5:20	5:25	3*	3:22	3:31	0*	0:00	0:00	232*	6:12	6:20
Totals	54	0:58	1:35	4	8:36	8:45	0	0:00	0:00	268	0:58	1:43

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

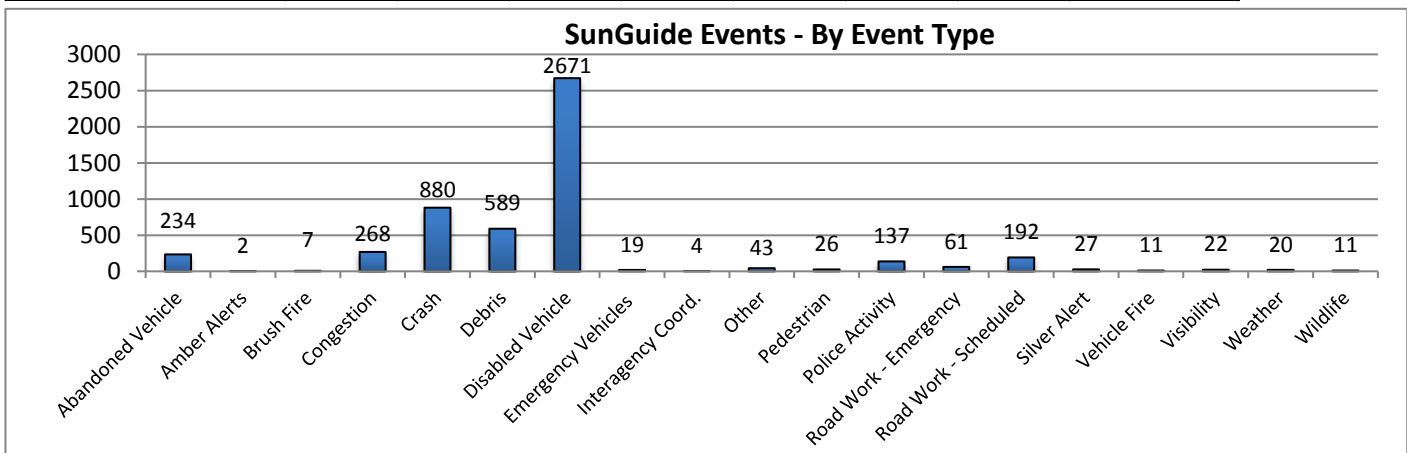




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	36	72	21	66	39	0	0	234
Amber Alerts	0	2	0	0	0	0	0	2
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	1	1	0	3	2	0	0	7
Congestion	23	50	2	52	141	0	0	268
Crash	84	243	48	249	249	5	2	880
Debris	81	131	77	179	121	0	0	589
Disabled Vehicle	941	861	214	363	289	0	3	2671
Emergency Vehicles	4	4	5	3	3	0	0	19
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	0	0	0	0	4	0	0	4
LEO Alerts	0	0	0	0	0	0	0	0
Other	12	15	11	4	0	0	1	43
Pedestrian	5	9	1	6	5	0	0	26
Police Activity	60	54	10	7	6	0	0	137
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	61	0	0	0	0	0	0	61
Road Work - Scheduled	0	8	10	140	31	3	0	192
Silver Alert	0	27	0	0	0	0	0	27
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	4	3	0	3	1	0	0	11
Visibility	8	4	4	3	3	0	0	22
Weather	8	6	2	2	2	0	0	20
Wildlife	4	2	3	2	0	0	0	11
Total Incidents	1332	1492	408	1082	896	8	6	5224

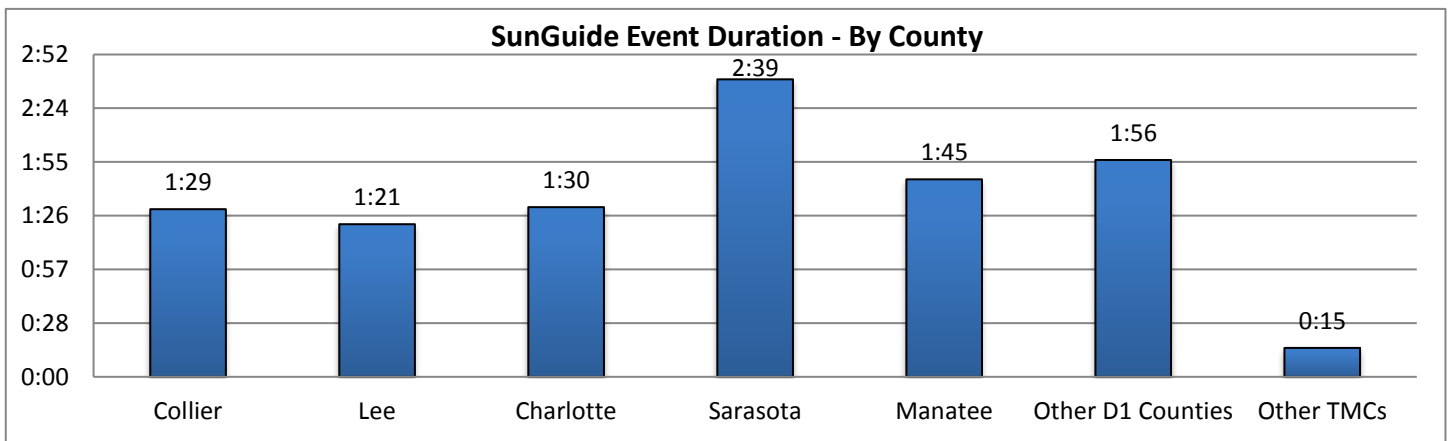
Note: Incident categories that are listed as zero are not included in the chart below.





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	8:00	9:24	9:55	12:02	8:15	0:00	0:00	9:46
Amber Alerts	0:00	4:24	0:00	0:00	0:00	0:00	0:00	4:24
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	16:35	0:54	0:00	0:22	1:07	0:00	0:00	2:58
Congestion	1:10	0:46	0:42	1:02	1:16	0:00	0:00	1:06
Crash	1:49	1:05	1:08	1:15	1:28	1:45	0:37	1:18
Debris	0:19	0:21	0:22	0:23	0:15	0:00	0:00	0:20
Disabled Vehicle	0:55	0:56	1:08	2:12	1:38	0:00	0:05	1:11
Emergency Vehicles	1:11	1:52	0:32	1:20	1:04	0:00	0:00	1:09
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	3:17	0:00	0:00	3:17
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:11	0:08	0:13	0:15	0:00	0:00	0:01	0:10
Pedestrian	0:22	0:19	0:46	0:29	0:45	0:00	0:00	0:27
Police Activity	0:38	0:25	0:22	0:22	1:44	0:00	0:00	0:33
PSA	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Emergency	8:10	0:00	0:00	0:00	0:00	0:00	0:00	8:10
Road Work - Scheduled	0:00	5:32	4:29	5:46	5:15	2:14	0:00	5:33
Silver Alert	0:00	3:17	0:00	0:00	0:00	0:00	0:00	3:17
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	2:50	1:00	0:00	2:01	1:14	0:00	0:00	1:57
Visibility	5:32	4:35	5:18	6:04	4:30	0:00	0:00	5:15
Weather	2:01	1:17	3:31	2:05	1:34	0:00	0:00	1:54
Wildlife	1:37	0:13	0:25	1:20	0:00	0:00	0:00	0:59
Total Incidents	1:29	1:21	1:30	2:39	1:45	1:56	0:15	1:44





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
3008	334	9	2:46

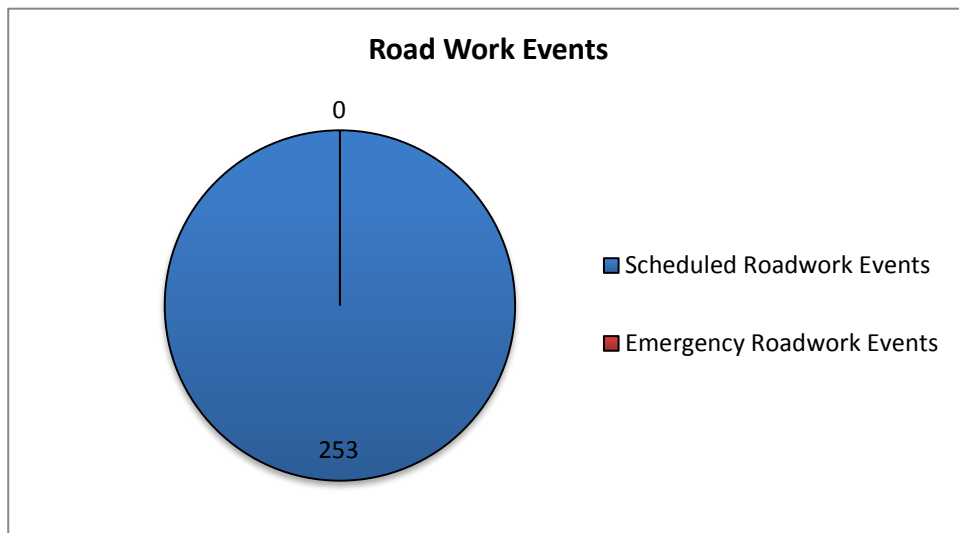
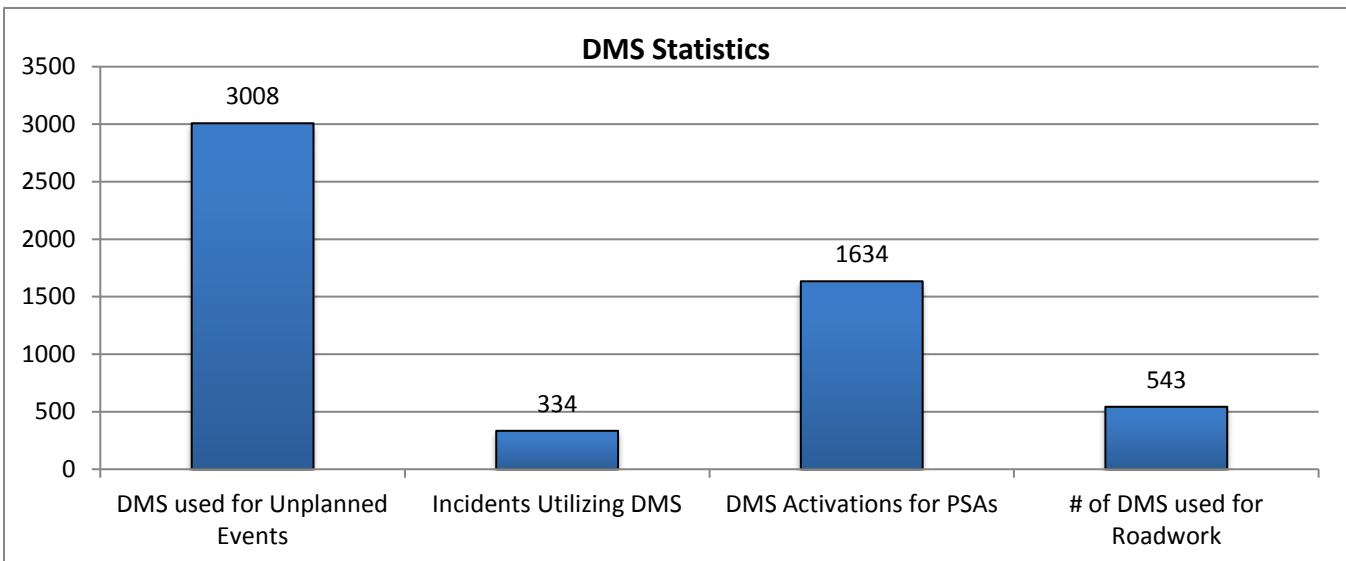
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
1634

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
253	0	253
# DMS Used for Road Work		Average # of DMS/Pattern
543		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	3	Mile <49	0
Mile 49-79.9	151	Mile 49-79.9	210
Mile 80-100.9	265	Mile 80-100.9	254
Mile 101-104.9	33	Mile 101-104.9	24
Mile 105-106.9	35	Mile 105-106.9	42
Mile 107-110.9	90	Mile 107-110.9	62
Mile 111-115.9	74	Mile 111-115.9	66
Mile 116-122.9	105	Mile 116-122.9	140
Mile 123-127.9	108	Mile 123-127.9	92
Mile 128-130.9	57	Mile 128-130.9	63
Mile 131-135.9	125	Mile 131-135.9	104
Mile 136 -137.9	38	Mile 136 -137.9	25
Mile 138 -138.9	41	Mile 138 -138.9	31
Mile 139 - 140.9	74	Mile 139 - 140.9	27
Mile 141 - 142.9	38	Mile 141 - 142.9	35
Mile 143 - 157.9	165	Mile 143 - 157.9	177
Mile 158 - 160.9	29	Mile 158 - 160.9	22
Mile 161 - 163.9	28	Mile 161 - 163.9	19
Mile 164 - 166.9	19	Mile 164 - 166.9	34
Mile 167 -169.9	23	Mile 167 -169.9	27
Mile 170 - 178.9	48	Mile 170 - 178.9	48
Mile 179 - 181.9	22	Mile 179 - 181.9	26
Mile 182 - 190.9	114	Mile 182 - 190.9	87
Mile 191 - 192.9	28	Mile 191 - 192.9	31
Mile 193 - 194.9	22	Mile 193 - 194.9	31
Mile 195 -199.9	40	Mile 195 -199.9	35
Mile 200 - 204.9	68	Mile 200 - 204.9	60
Mile 205 - 206.9	25	Mile 205 - 206.9	27
Mile 207 - 209.9	40	Mile 207 - 209.9	45
Mile 210 -212.9	64	Mile 210 -212.9	59
Mile 213 - 216.9	123	Mile 213 - 216.9	99
Mile 217 - 219.9	81	Mile 217 - 219.9	69
Mile 220 - 223.9	74	Mile 220 - 223.9	68
Mile 224 -227.9	60	Mile 224 -227.9	64
Mile 228 - 228.9	7	Mile 228 - 228.9	9
Mile 229 -229.9	1	Mile 229 -229.9	2
Mile 230 - 239.9	3	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
North Total	2321	South Total	2214

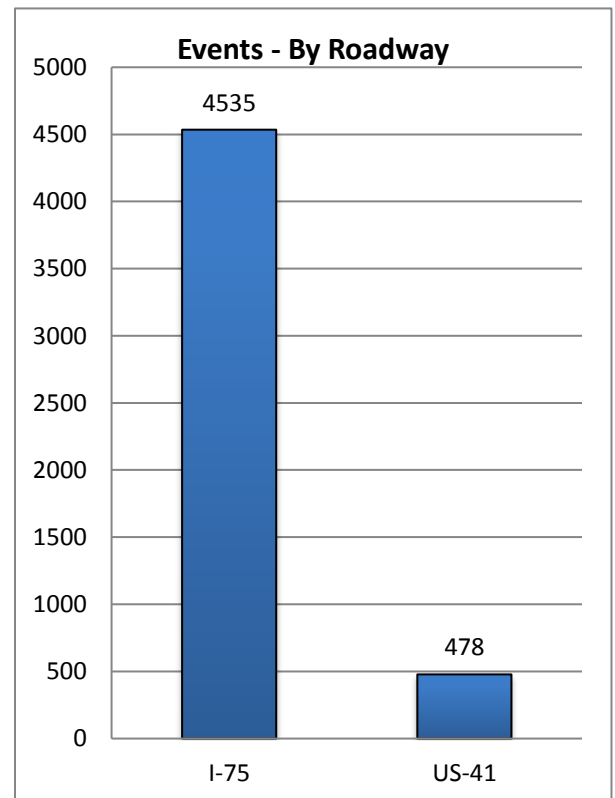
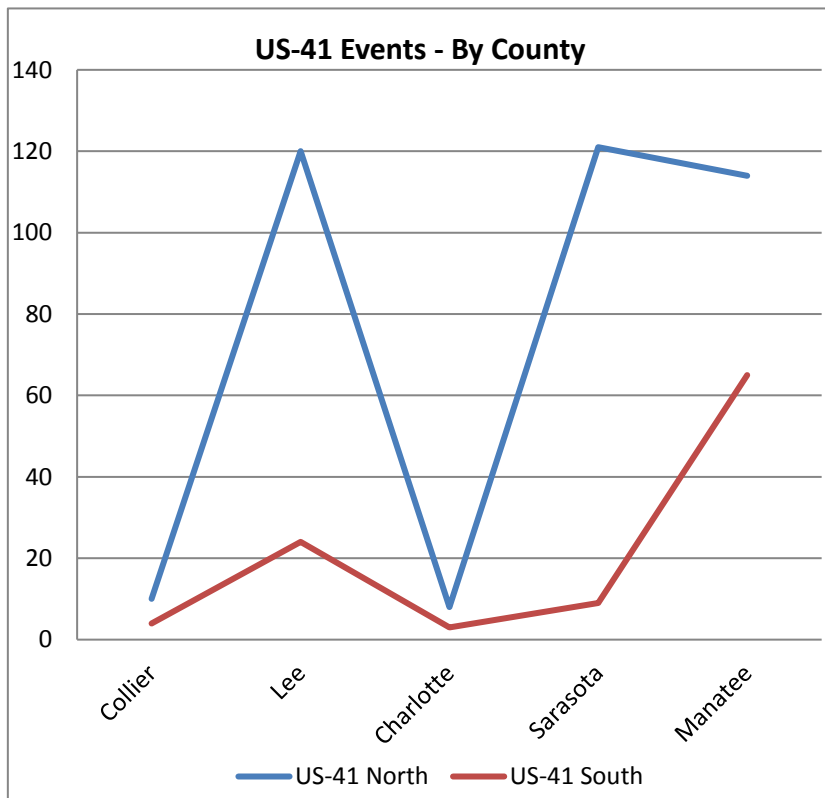
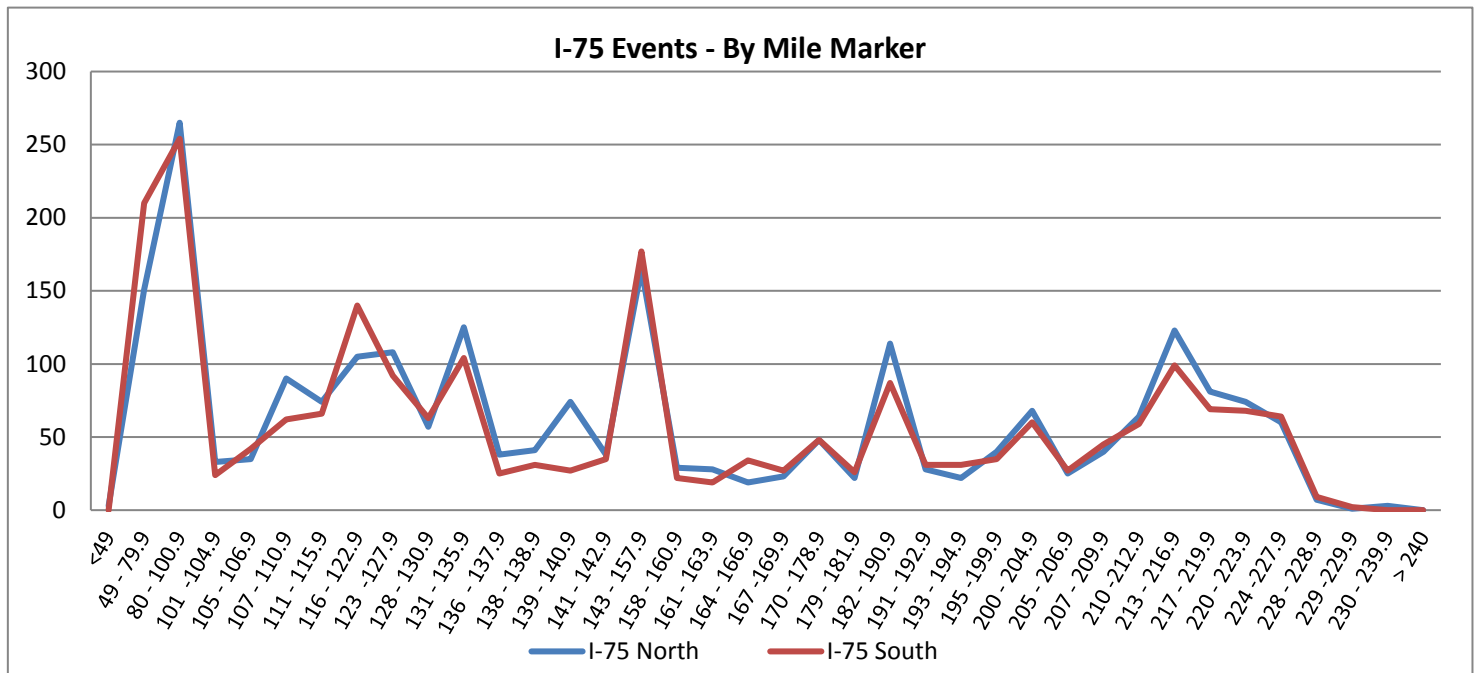
US-41 Northbound	
Collier	10
Lee	120
Charlotte	8
Sarasota	121
Manatee	114
North Total	373

US-41 Southbound	
Collier	4
Lee	24
Charlotte	3
Sarasota	9
Manatee	65
South Total	105

Total Events on US-41
478

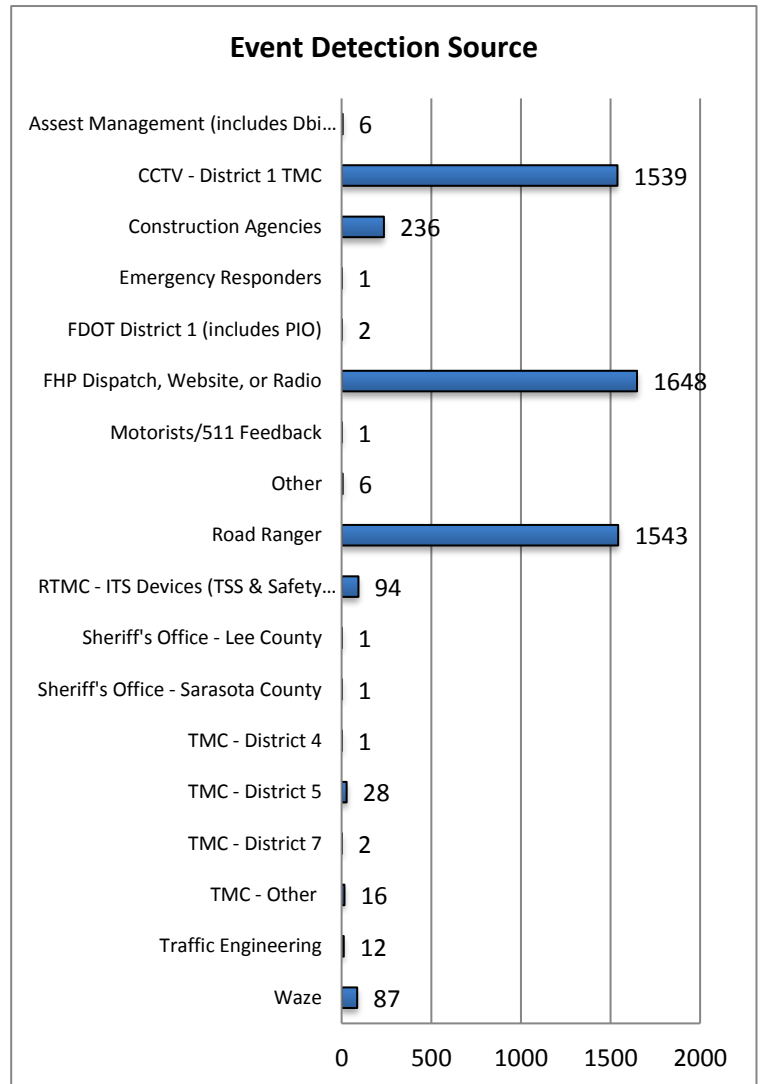
Total Events on I-75
4535

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	6	0.1%
CCTV - District 1 TMC	1539	29.5%
CCTV - Other	0	0.0%
Construction Agencies	236	4.5%
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	1648	31.5%
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	1	0.0%
Other	6	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1543	29.5%
RTMC - ITS Devices (TSS & Safety Barrier)	94	1.8%
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	1	0.0%
Sheriff's Office - Manatee County	0	0.0%
Sheriff's Office - Sarasota County	1	0.0%
SW Florida Internantion Airport	0	0.0%
TMC - District 4	1	0.0%
TMC - District 5	28	0.5%
TMC - District 7	2	0.0%
TMC - Other	16	0.3%
Tow Truck Companies	0	0.0%
Traffic Engineering	12	0.2%
Waze	87	1.7%
Total Number of Incidents	5224	100.0%

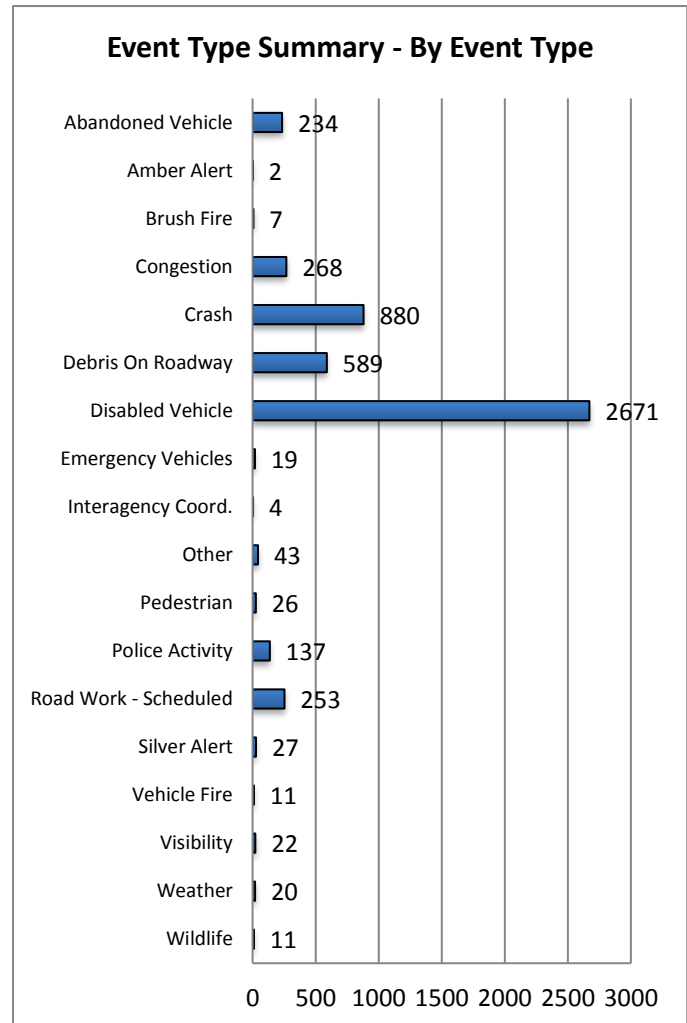


Note: Event Detection Source Categories listed as zero are not included in the above chart.



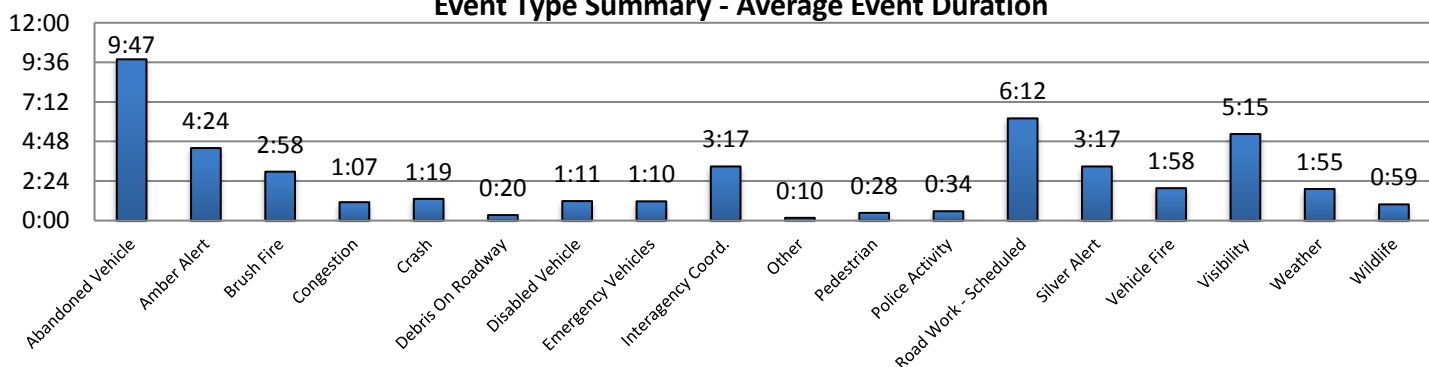
17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	234	2:22	9:47
Amber Alert	2	0:00	4:24
Bridge Work	0	0:00	0:00
Brush Fire	7	0:13	2:58
Congestion	268	0:01	1:07
Crash	880	0:51	1:19
Debris On Roadway	589	0:13	0:20
Disabled Vehicle	2671	0:20	1:11
Emergency Vehicles	19	0:18	1:10
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	4	0:16	3:17
LEO Alert	0	0:00	0:00
Other	43	0:04	0:10
Pedestrian	26	0:07	0:28
Police Activity	137	0:18	0:34
PSA	0	0:00	0:00
Road Work - Emergency	0	0:00	0:00
Road Work - Scheduled	253	0:01	6:12
Silver Alert	27	0:00	3:17
Special Event	0	0:00	0:00
Vehicle Fire	11	1:09	1:58
Visibility	22	0:00	5:15
Weather	20	0:00	1:55
Wildlife	11	0:48	0:59
Total Events	5224	0:30	2:34



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		
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

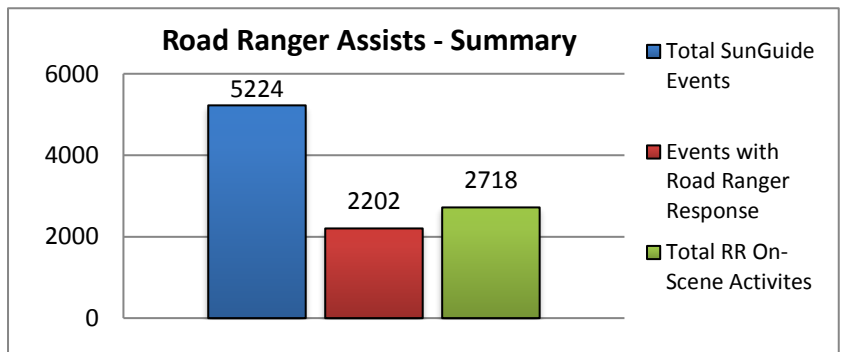
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

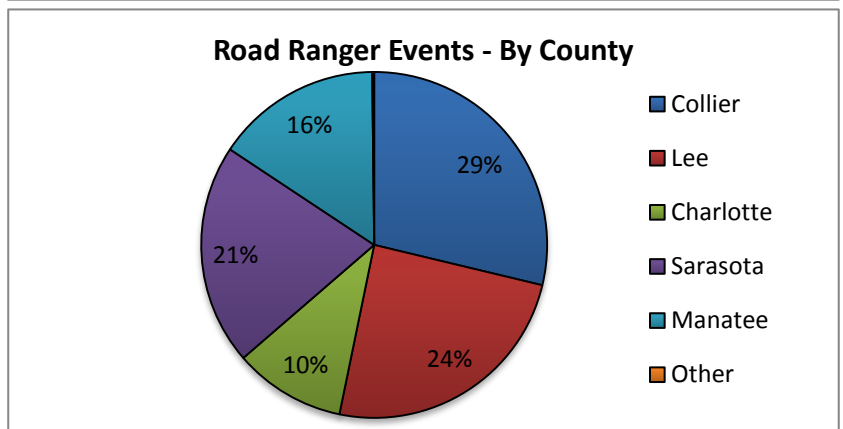
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	5224
Events with Road Ranger Response	2202
Total RR On-Scene Activities	2718
Average Activities/Assisted Event	1.23
% of Events Assisted	42.15%



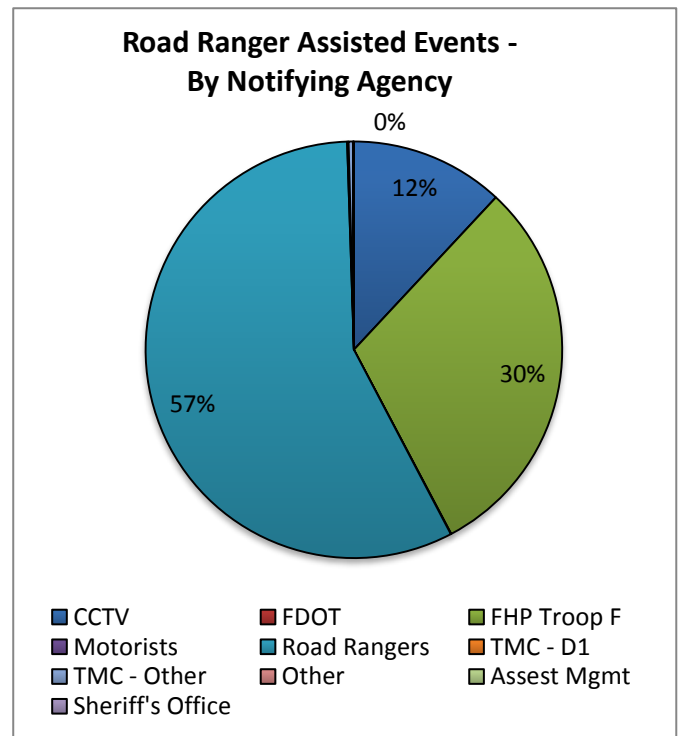
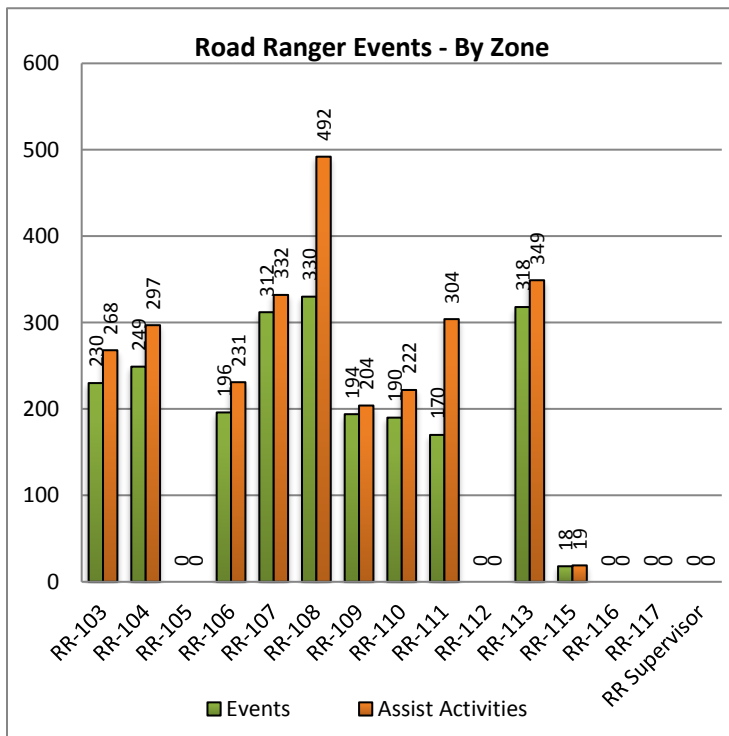
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	788
Lee	671
Charlotte	286
Sarasota	566
Manatee	425
Other	5
Totals	2741





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	230	268
RR-104	249	297
RR-105	0	0
RR-106	196	231
RR-107	312	332
RR-108	330	492
RR-109	194	204
RR-110	190	222
RR-111	170	304
RR-112	0	0
RR-113	318	349
RR-115	18	19
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2207	2718

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	321	11.7%
FDOT	0	0.0%
FHP Troop F	815	29.7%
Motorists	1	0.0%
Road Rangers	1537	56.1%
TMC - D1	3	0.1%
TMC - Other	9	0.3%
Other	0	0.0%
Assest Mgmt	1	0.0%
Sheriff's Office	1	0.0%
Waze	53	1.9%
Totals	2741	100.0%

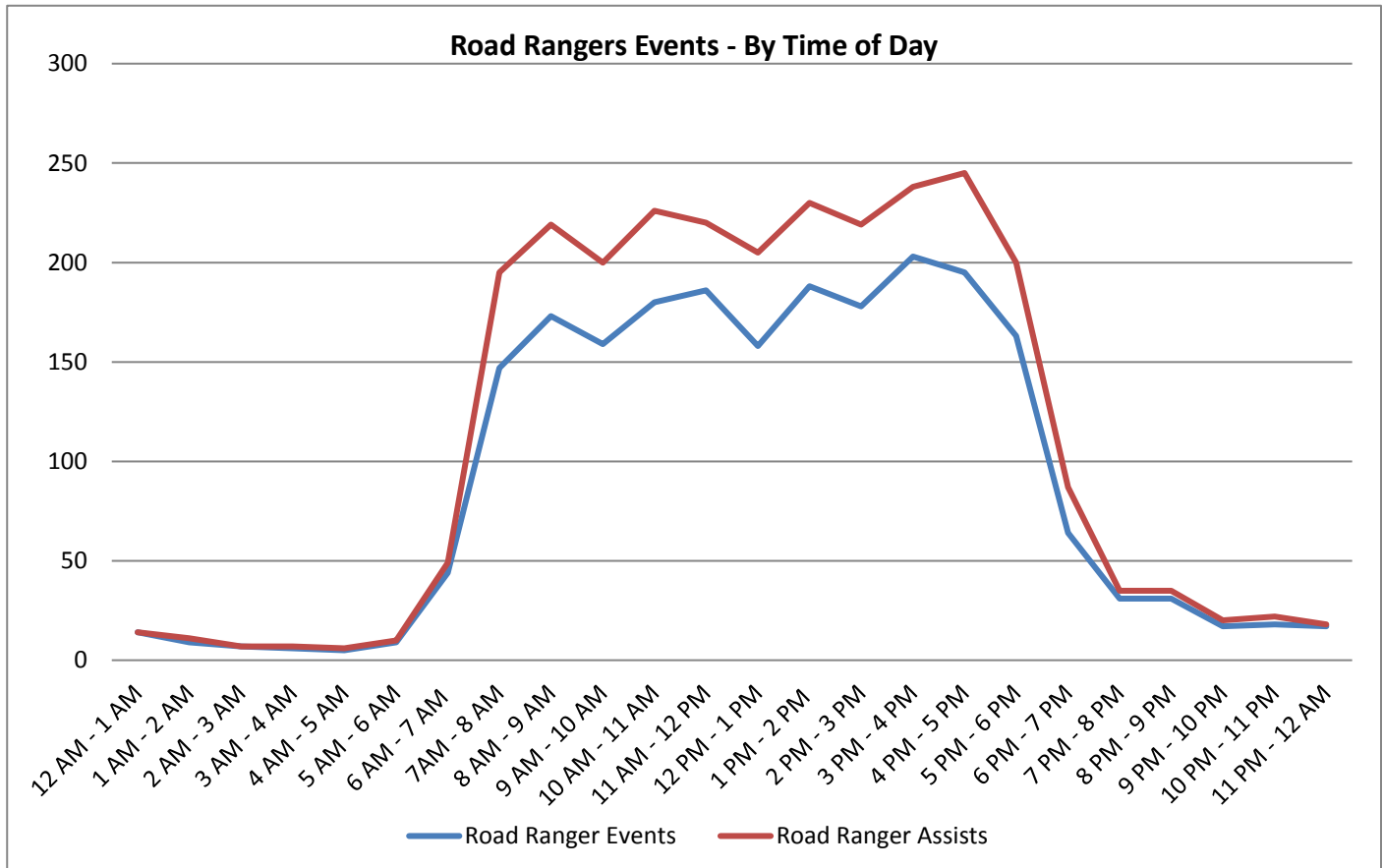




**22. Road Ranger Assisted Events -
By Time of Day:**

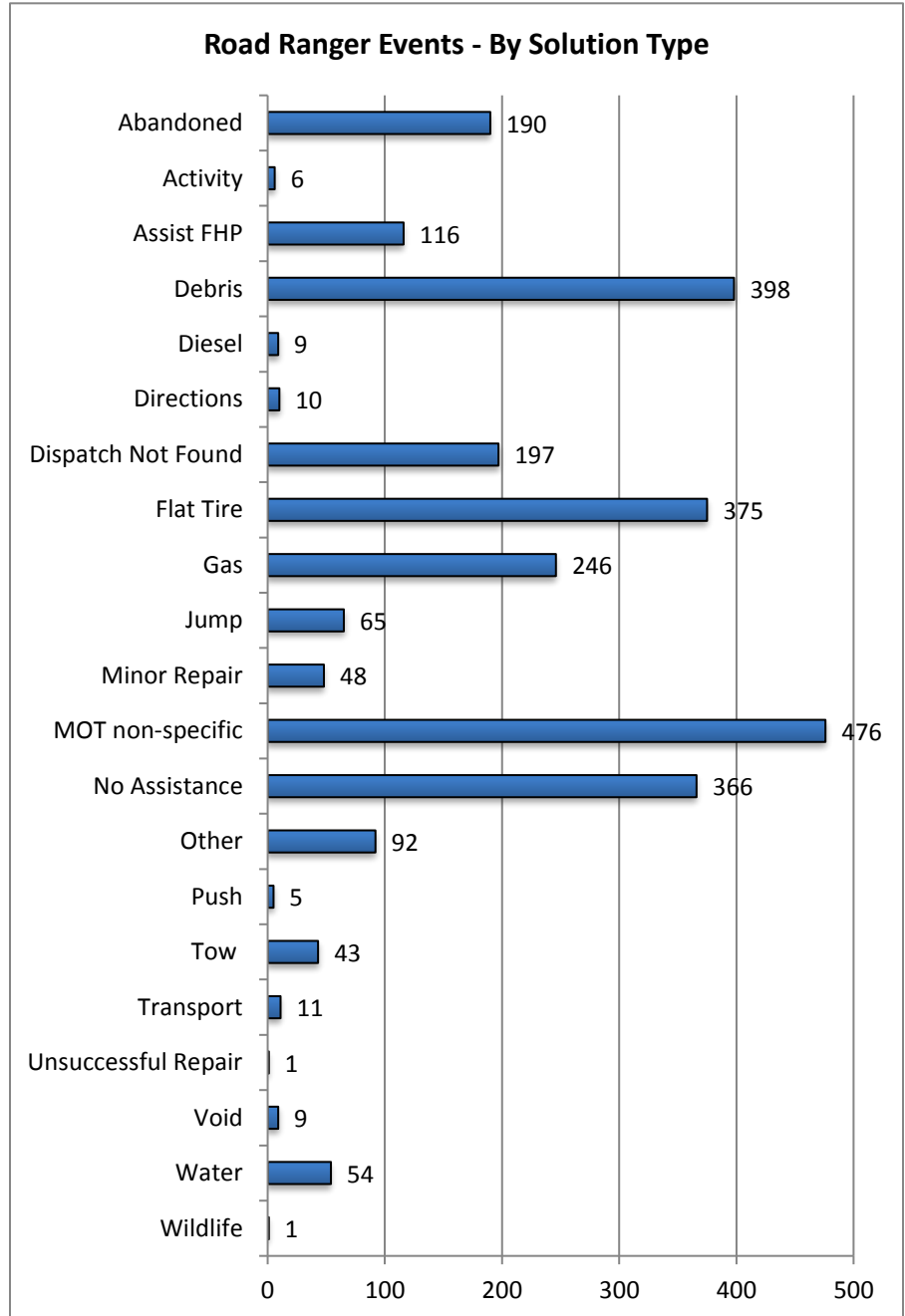
Time of Day	RR Events	RR Assists
12 AM - 1 AM	14	14
1 AM - 2 AM	9	11
2 AM - 3 AM	7	7
3 AM - 4 AM	6	7
4 AM - 5 AM	5	6
5 AM - 6 AM	9	10
6 AM - 7 AM	44	49
7 AM - 8 AM	147	195
8 AM - 9 AM	173	219
9 AM - 10 AM	159	200
10 AM - 11 AM	180	226
11 AM - 12 PM	186	220

Time of Day	RR Events	RR Assists
12 PM - 1 PM	158	205
1 PM - 2 PM	188	230
2 PM - 3 PM	178	219
3 PM - 4 PM	203	238
4 PM - 5 PM	195	245
5 PM - 6 PM	163	200
6 PM - 7 PM	64	87
7 PM - 8 PM	31	35
8 PM - 9 PM	31	35
9 PM - 10 PM	17	20
10 PM - 11 PM	18	22
11 PM - 12 AM	17	18
Totals	2202	2718





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	190
Absorbant	0
Activity	6
Assist FHP	116
Bleach	0
Cold Patch Asphalt	0
Debris	398
Deploy Cones	0
Diesel	9
Directions	10
Dispatch Not Found	197
Flare	0
Flat Tire	375
Flood Lamp	0
Gas	246
Jump	65
Livestock	0
Lockout	0
Minor Repair	48
Miscellaneous	0
MOT non-specific	476
No Assistance	366
Oil	0
Other	92
Phone	0
Portland Cement	0
Push	5
Radio	0
Tow	43
Translate	0
Transmission Fluid	0
Transport	11
Turbo Flare	0
Unsuccessful Repair	1
Void	9
Water	54
Wildlife	1
Total Assist Activities	2718



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