

This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for September 2016. 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, 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:	
	4890

2. Number of Lane Blocking Events:	
	471

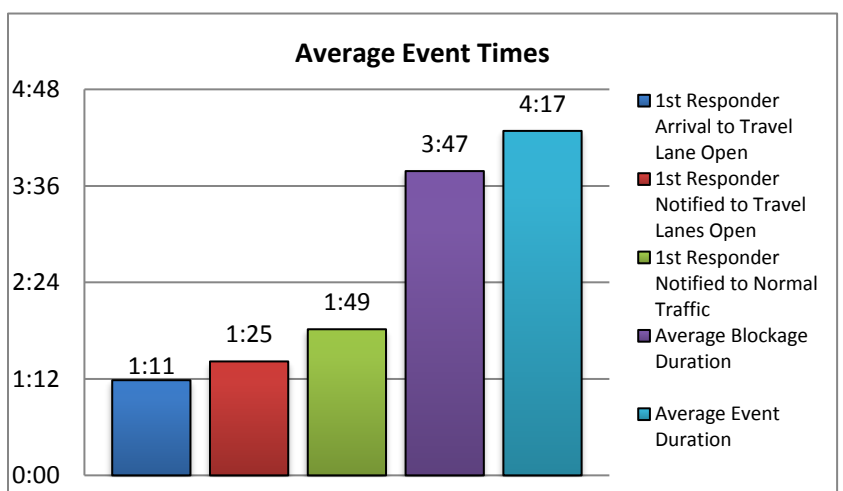
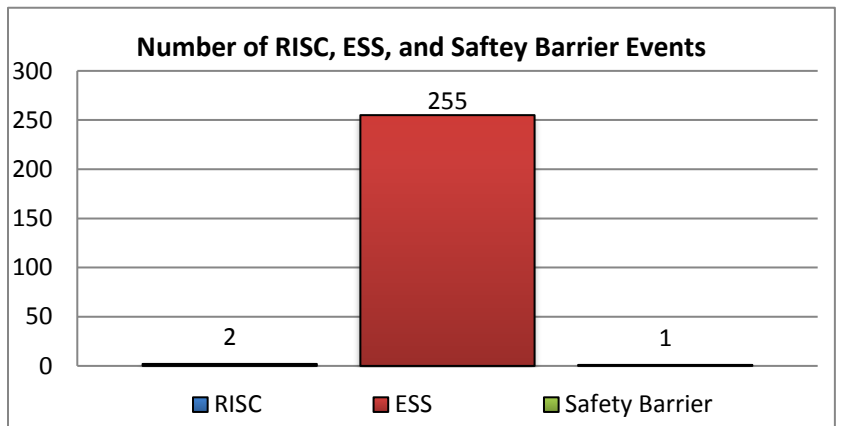
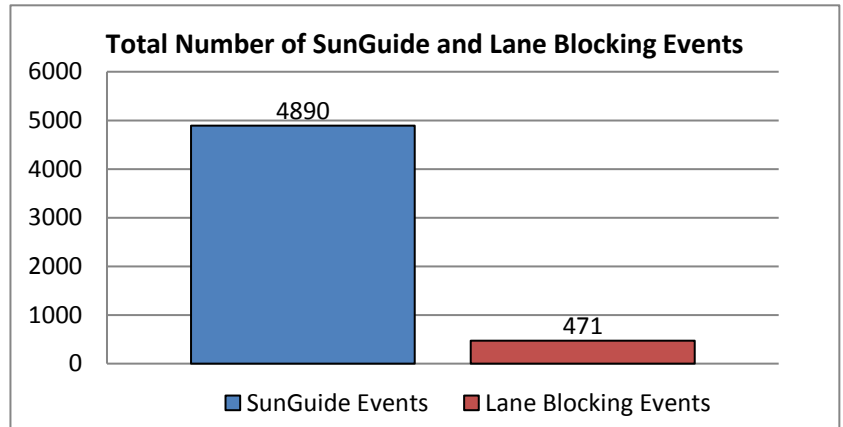
3. Number of RISC Events:	
	2

4. Number of ESS Events:	
	255

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	1:11
Average Incident Duration From First Responder Notified to Travel Lane Open	1:25
Average Incident Duration From First Responder Notified to Normal Traffic	1:49

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4890
Number of Lane Blocking Events	471
Number of Secondary Incidents	41
Average Blockage Duration	3:47
Average Event Duration	4:17



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.



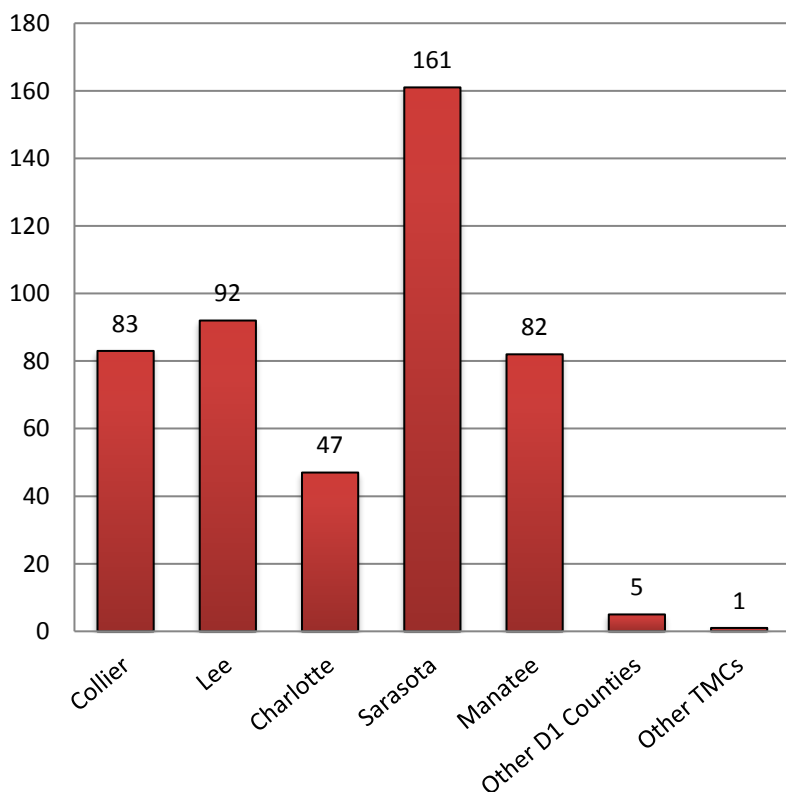
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	70	42	19	118	51	-
US-41	6	30	25	15	25	-
I-275	-	-	-	-	1	-
Arterials	7	20	3	28	5	5
Total Incidents	83	92	47	161	82	5

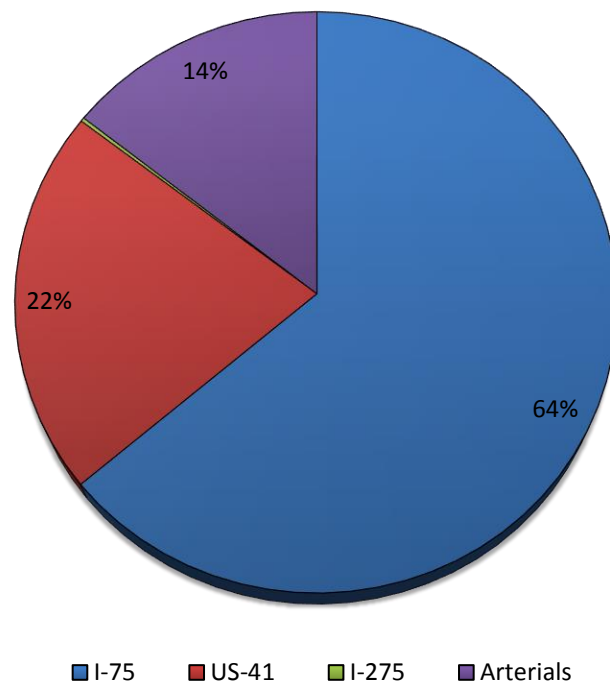
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	1	-	301
US-41	0	0	-	-	101
I-275	0	-	-	-	1
Arterials	0	0	0	0	68
Total Incidents	0	0	1	0	471

*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



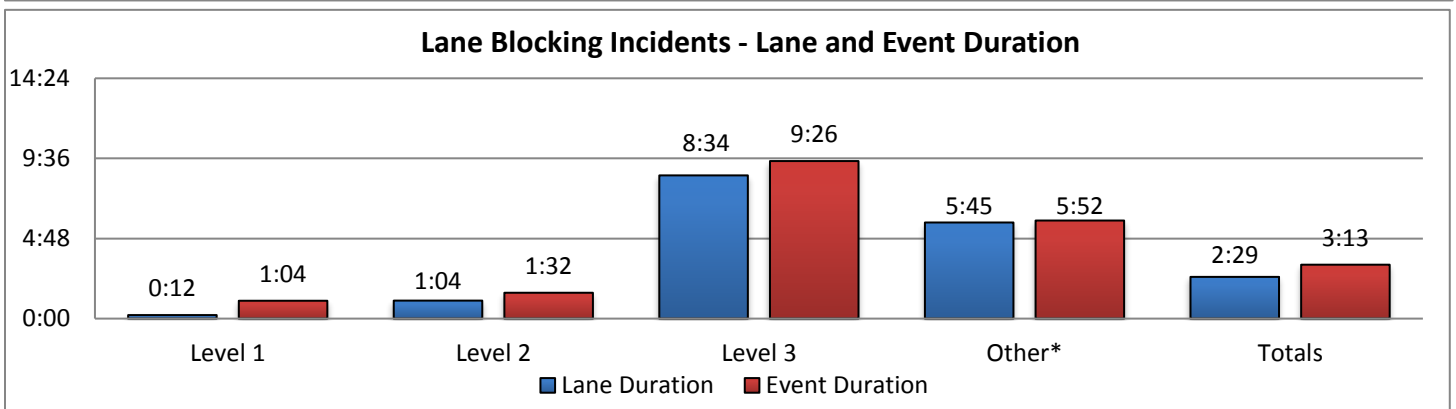
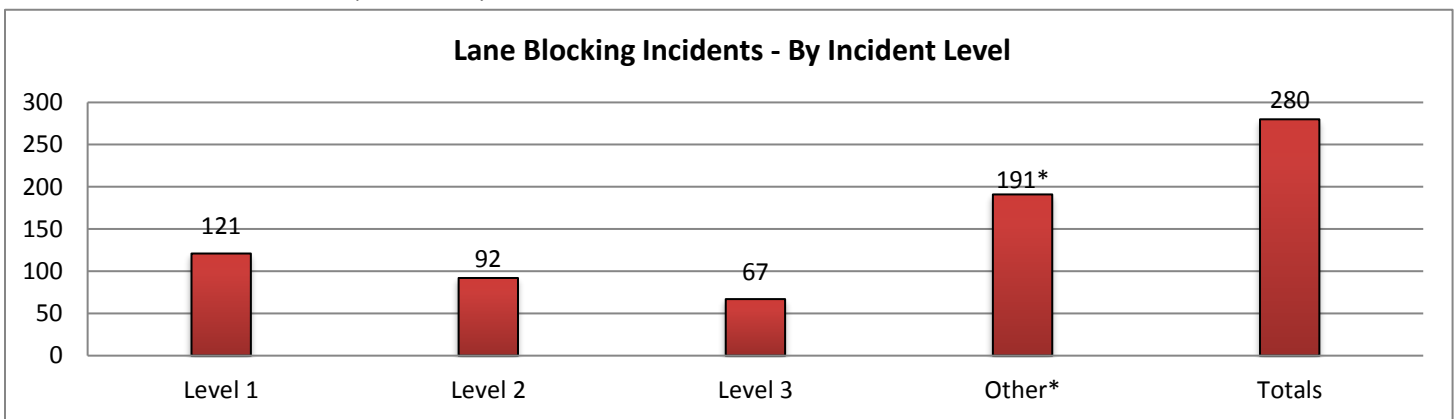


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	16	0:18	0:49	33	0:14	1:21	8	0:07	0:39	28	0:08	1:12
Level 2	10	1:04	1:29	28	1:00	1:22	7	1:03	1:11	37	1:09	1:41
Level 3	13	1:14	2:08	14	2:35	3:05	4	2:21	2:39	15	28:49	30:43
Other*	44*	6:48	6:58	17*	7:08	7:13	28*	5:01	5:08	81*	5:10	5:17
Totals	39	0:48	1:25	75	0:57	1:40	19	0:55	1:16	80	5:58	6:57

	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	36	0:14	0:55	0	0:00	0:00	0	0:00	0:00	121	0:12	1:04
Level 2	10	1:04	1:53	0	0:00	0:00	0	0:00	0:00	92	1:04	1:32
Level 3	16	3:27	3:56	4	6:29	6:49	1	0:03	0:09	67	8:34	9:26
Other*	20*	6:02	6:05	1*	0:00	0:00	0*	0:00	0:00	191*	5:45	5:52
Totals	62	1:11	1:51	4	6:29	6:49	1	0:03	0:09	280	2:29	3:13

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

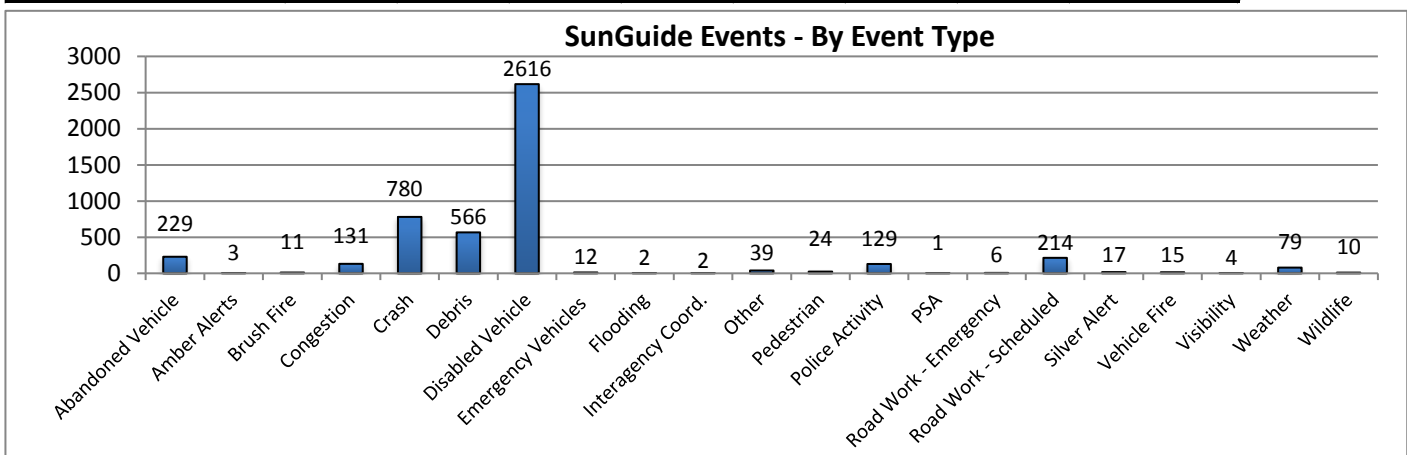




10. SunGuide Events - by Event Type:

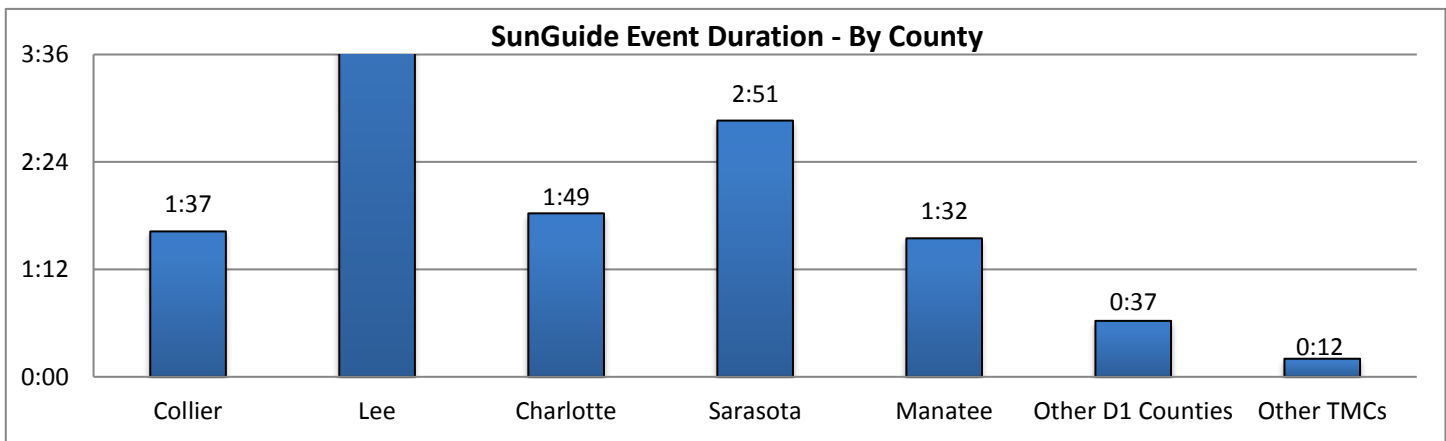
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	44	71	26	59	29	0	0	229
Amber Alerts	0	3	0	0	0	0	0	3
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	4	2	2	3	0	0	0	11
Congestion	13	30	0	32	56	0	0	131
Crash	57	189	47	246	233	7	1	780
Debris	68	110	62	174	150	0	2	566
Disabled Vehicle	866	704	233	453	353	0	7	2616
Emergency Vehicles	4	1	0	6	1	0	0	12
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	2	0	0	0	2
Interagency Coord.	0	0	0	0	1	0	1	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	3	14	7	14	1	0	0	39
Pedestrian	3	5	2	6	8	0	0	24
Police Activity	58	40	9	15	7	0	0	129
PSA	1	0	0	0	0	0	0	1
Road Work - Emergency	1	1	0	4	0	0	0	6
Road Work - Scheduled	43	16	48	80	24	3	0	214
Silver Alert	0	17	0	0	0	0	0	17
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	5	4	0	4	2	0	0	15
Visibility	2	1	1	0	0	0	0	4
Weather	23	17	8	18	13	0	0	79
Wildlife	1	1	3	3	2	0	0	10
Total Incidents	1196	1226	448	1119	880	10	11	4890

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	10:58	6:43	9:35	15:46	5:13	0:00	0:00	10:00
Amber Alerts	0:00	1:54	0:00	0:00	0:00	0:00	0:00	1:54
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	1:12	0:10	0:22	0:29	0:00	0:00	0:00	0:39
Congestion	0:41	0:46	0:00	1:38	1:01	0:00	0:00	1:04
Crash	1:15	1:14	1:22	1:25	1:34	0:52	0:47	1:23
Debris	2:05	0:20	0:16	0:21	0:17	0:00	0:01	0:31
Disabled Vehicle	0:56	9:05	1:19	1:43	1:27	0:00	0:10	3:21
Emergency Vehicles	0:38	4:26	0:00	6:26	0:22	0:00	0:00	3:48
Evacuation	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Flooding	0:00	0:00	0:00	0:51	0:00	0:00	0:00	0:51
Interagency Coord.	0:00	0:00	0:00	0:00	27:07	0:00	0:09	13:38
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:53	0:11	0:34	0:21	6:20	0:00	0:00	0:31
Pedestrian	0:10	0:07	0:34	0:45	0:33	0:00	0:00	0:27
Police Activity	0:22	0:34	0:18	0:32	0:10	0:00	0:00	0:25
PSA	3:12	0:00	0:00	0:00	0:00	0:00	0:00	3:12
Road Work - Emergency	6:17	0:20	1152:00	89:32	0:00	0:00	0:00	60:47
Road Work - Scheduled	7:06	7:54	3:11	5:10	6:27	0:02	0:00	5:23
Silver Alert	0:00	4:33	0:00	0:00	0:00	0:00	0:00	4:30
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	2:02	1:54	0:00	4:21	0:44	0:00	0:00	2:26
Visibility	3:44	4:11	1:55	0:00	0:00	0:00	0:00	3:23
Weather	2:51	2:36	2:08	10:03	2:48	0:00	0:00	4:21
Wildlife	0:18	0:40	0:26	1:27	0:55	0:00	0:00	0:50
Total Incidents	1:37	6:05	1:49	2:51	1:32	0:37	0:12	3:01





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
2626	230	11	2:49

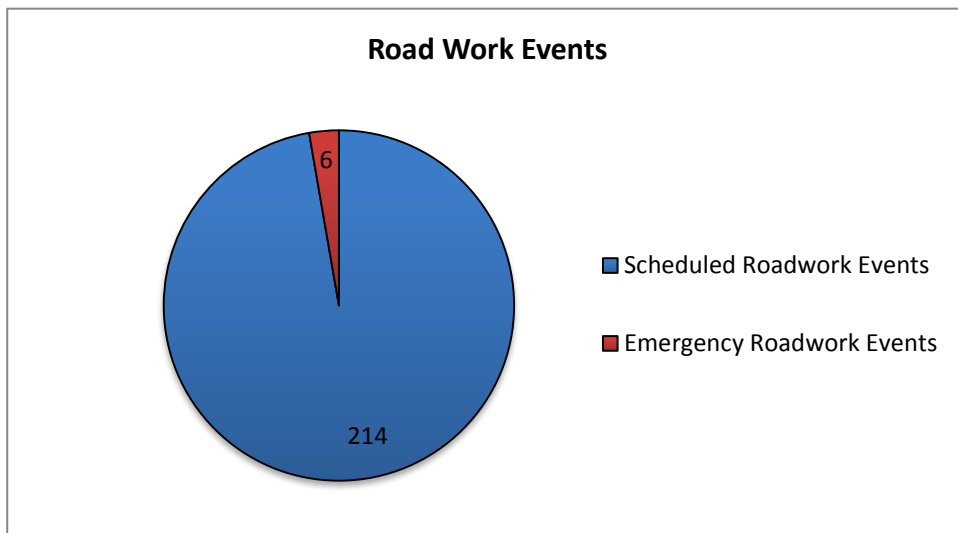
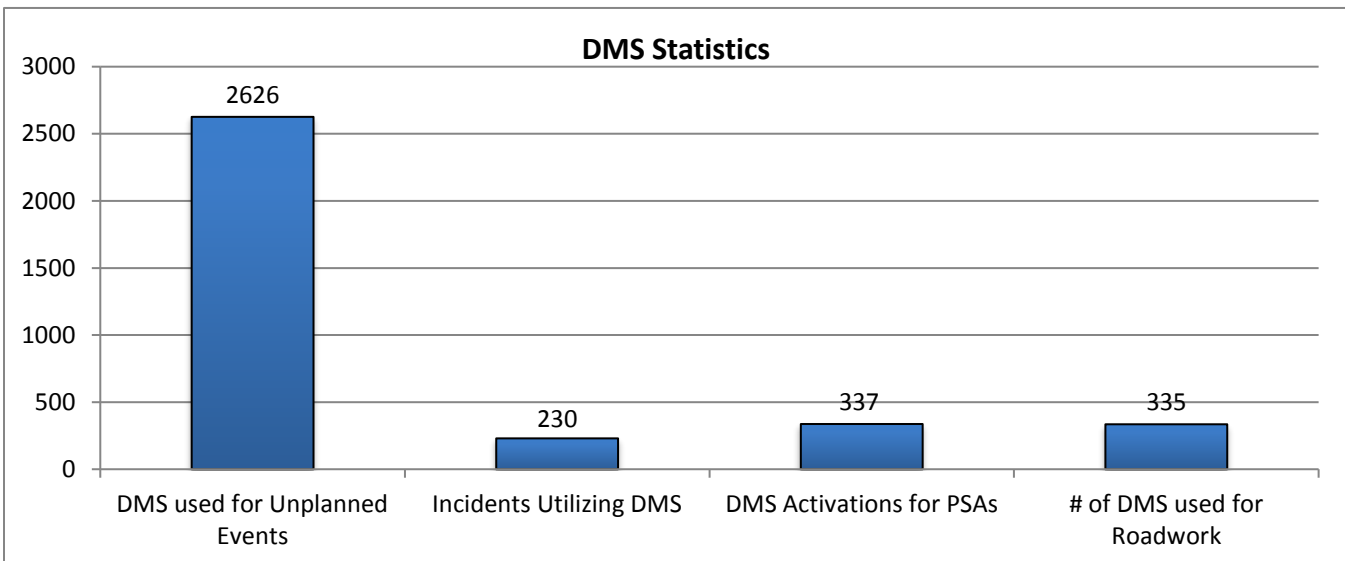
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
337

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
214	6	220
# DMS Used for Road Work		Average # of DMS/Pattern
335		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	5	Mile <49	0
Mile 49-79.9	196	Mile 49-79.9	232
Mile 80-100.9	237	Mile 80-100.9	198
Mile 101-104.9	30	Mile 101-104.9	22
Mile 105-106.9	34	Mile 105-106.9	40
Mile 107-110.9	50	Mile 107-110.9	52
Mile 111-115.9	45	Mile 111-115.9	45
Mile 116-122.9	132	Mile 116-122.9	107
Mile 123-127.9	114	Mile 123-127.9	68
Mile 128-130.9	46	Mile 128-130.9	38
Mile 131-135.9	89	Mile 131-135.9	73
Mile 136 -137.9	45	Mile 136 -137.9	18
Mile 138 -138.9	41	Mile 138 -138.9	23
Mile 139 - 140.9	64	Mile 139 - 140.9	25
Mile 141 - 142.9	34	Mile 141 - 142.9	34
Mile 143 - 157.9	181	Mile 143 - 157.9	124
Mile 158 - 160.9	23	Mile 158 - 160.9	21
Mile 161 - 163.9	26	Mile 161 - 163.9	26
Mile 164 - 166.9	20	Mile 164 - 166.9	27
Mile 167 -169.9	16	Mile 167 -169.9	34
Mile 170 - 178.9	55	Mile 170 - 178.9	66
Mile 179 - 181.9	30	Mile 179 - 181.9	26
Mile 182 - 190.9	83	Mile 182 - 190.9	66
Mile 191 - 192.9	31	Mile 191 - 192.9	46
Mile 193 - 194.9	28	Mile 193 - 194.9	25
Mile 195 -199.9	55	Mile 195 -199.9	62
Mile 200 - 204.9	69	Mile 200 - 204.9	73
Mile 205 - 206.9	49	Mile 205 - 206.9	32
Mile 207 - 209.9	47	Mile 207 - 209.9	42
Mile 210 -212.9	86	Mile 210 -212.9	37
Mile 213 - 216.9	109	Mile 213 - 216.9	102
Mile 217 - 219.9	76	Mile 217 - 219.9	64
Mile 220 - 223.9	75	Mile 220 - 223.9	64
Mile 224 -227.9	66	Mile 224 -227.9	55
Mile 228 - 228.9	13	Mile 228 - 228.9	20
Mile 229 -229.9	2	Mile 229 -229.9	0
Mile 230 - 239.9	2	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
North Total	2304	South Total	1987

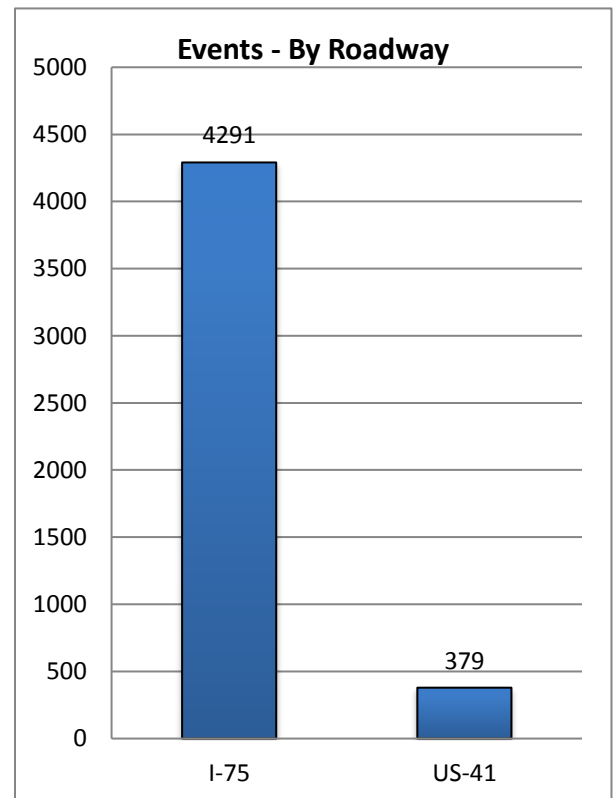
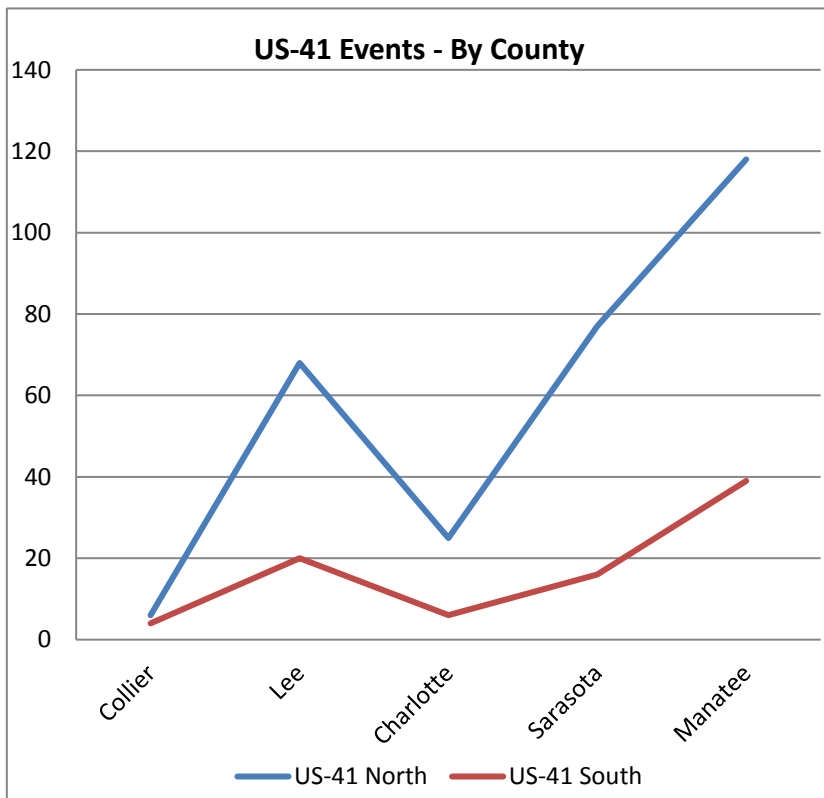
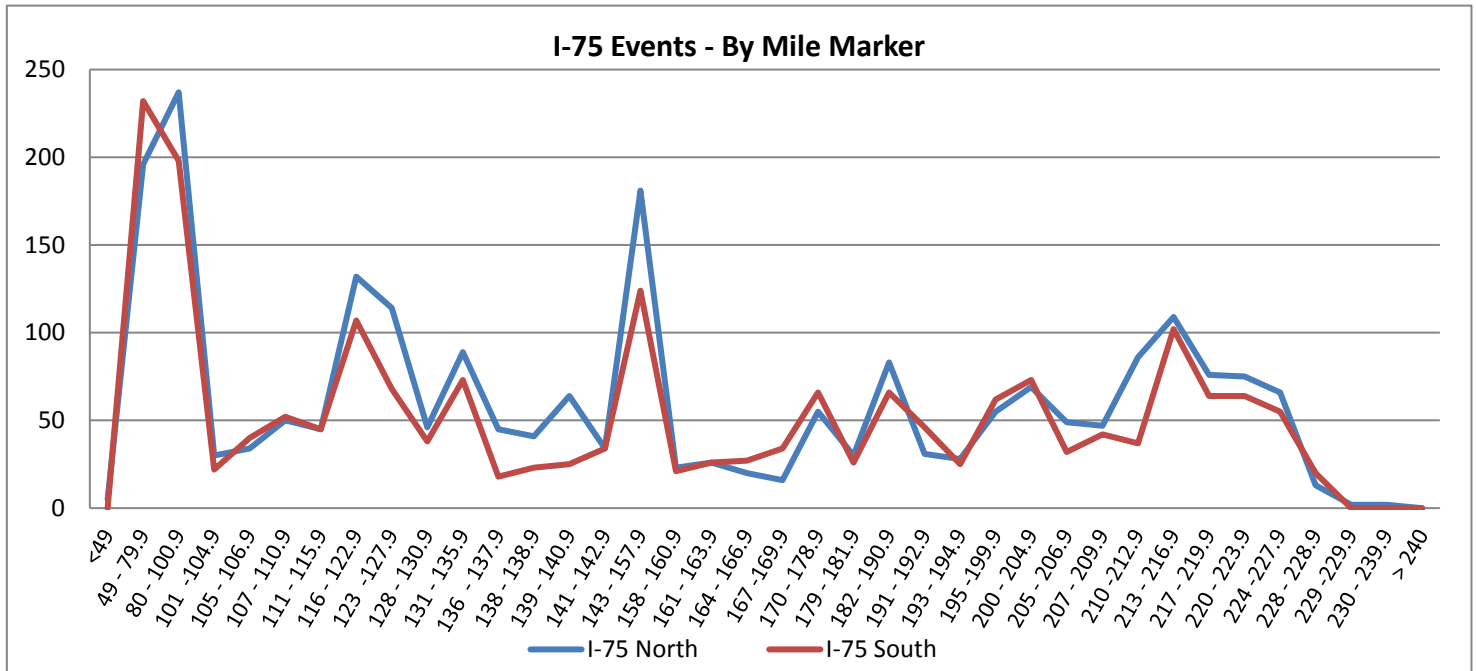
US-41 Northbound	
Collier	6
Lee	68
Charlotte	25
Sarasota	77
Manatee	118
North Total	294

US-41 Southbound	
Collier	4
Lee	20
Charlotte	6
Sarasota	16
Manatee	39
South Total	85

Total Events on US-41
379

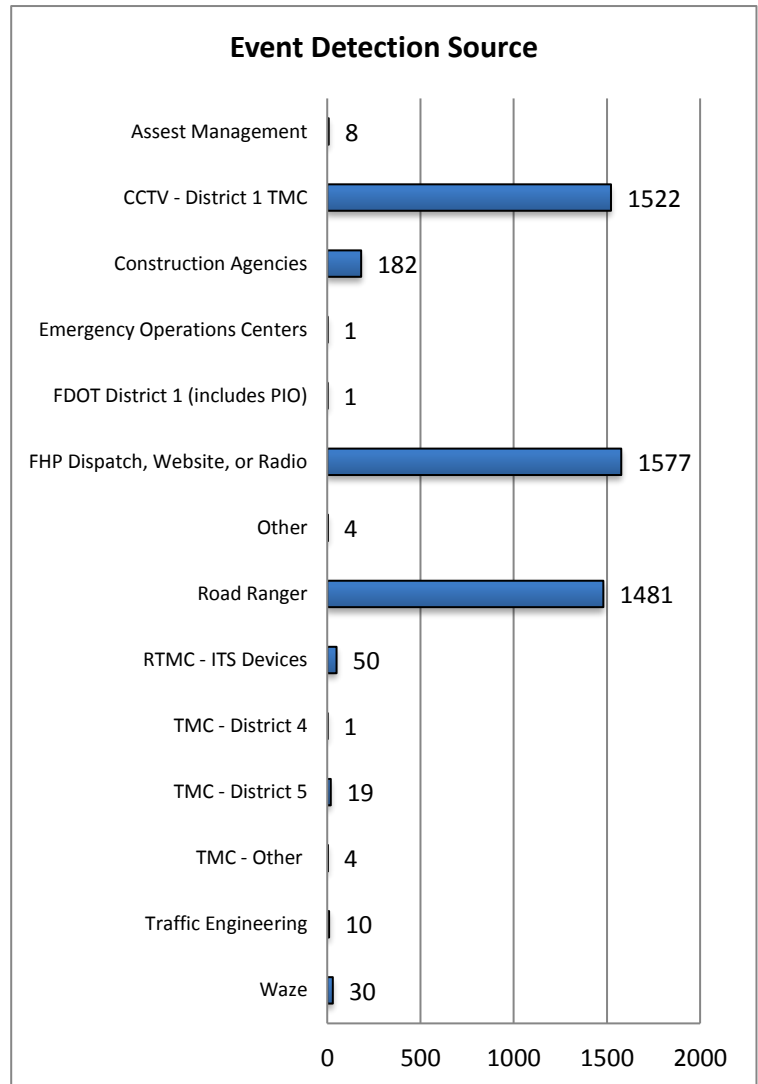
Total Events on I-75
4291

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





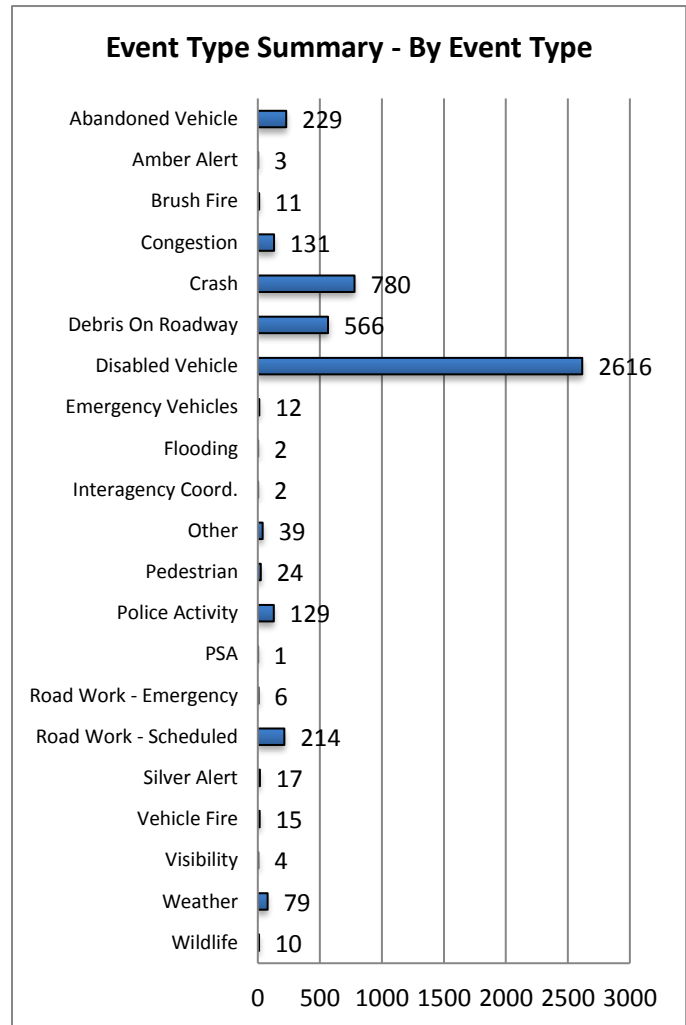
16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	8	0.2%
CCTV - District 1 TMC	1522	31.1%
CCTV - Other	0	0.0%
Construction Agencies	182	3.7%
County and Local Law Enforcement	0	0.0%
Emergency Operations Centers	1	0.0%
Emergency Responders	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	1	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1577	32.2%
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	4	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1481	30.3%
RTMC - ITS Devices (TSS & Safety Barrier)	50	1.0%
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	0	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	1	0.0%
TMC - District 5	19	0.4%
TMC - District 7	0	0.0%
TMC - Other	4	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	10	0.2%
Waze	30	0.6%
Total Number of Incidents	4890	100.0%



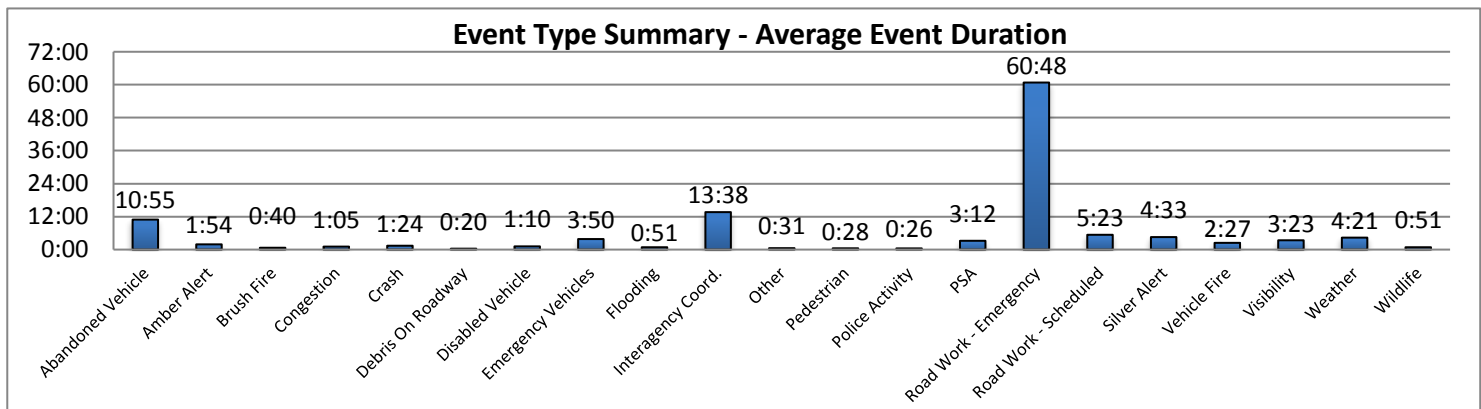
Note: Event Detection Source Categories listed as zero are not included in the above chart.



17. Event Type Summary			
Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	229	3:32	10:55
Amber Alert	3	0:00	1:54
Bridge Work	0	0:00	0:00
Brush Fire	11	0:26	0:40
Congestion	131	0:01	1:05
Crash	780	0:59	1:24
Debris On Roadway	566	0:12	0:20
Disabled Vehicle	2616	0:22	1:10
Emergency Vehicles	12	2:53	3:50
Evacuation	0	0:00	0:00
Flooding	2	0:00	0:51
Interagency Coord.	2	0:00	13:38
LEO Alert	0	0:00	0:00
Other	39	0:06	0:31
Pedestrian	24	0:10	0:28
Police Activity	129	0:18	0:26
PSA	1	0:00	3:12
Road Work - Emergency	6	1:03	60:48
Road Work - Scheduled	214	0:09	5:23
Silver Alert	17	0:00	4:33
Special Event	0	0:00	0:00
Vehicle Fire	15	2:02	2:27
Visibility	4	0:00	3:23
Weather	79	0:00	4:21
Wildlife	10	0:35	0:51
Total Events	4890	0:54	5:49



Note: Event Type Categories listed as zero are not included in these charts.





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

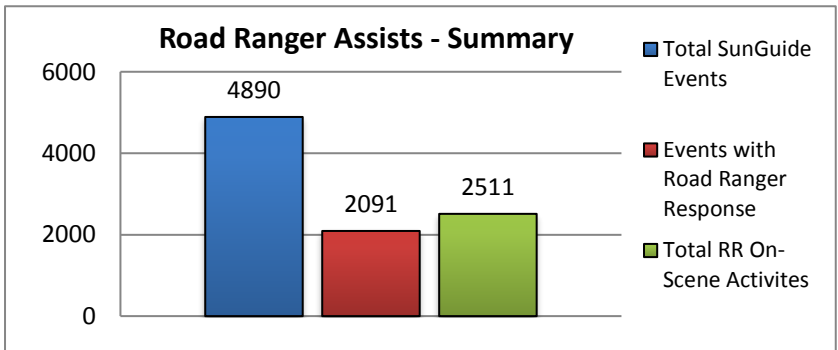
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

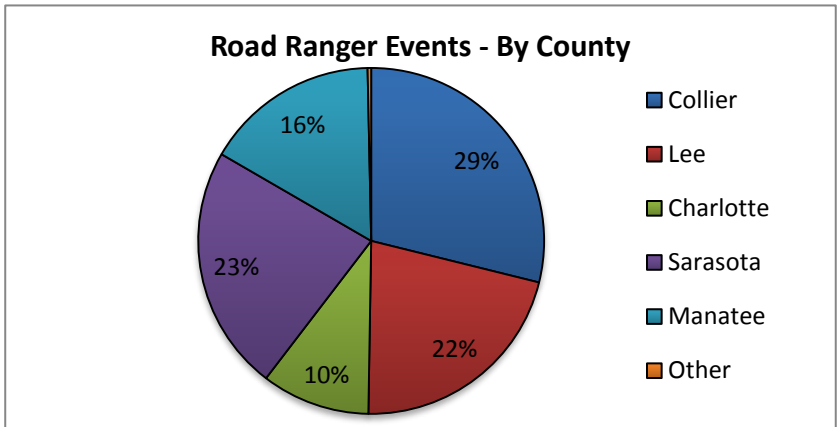
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4890
Events with Road Ranger Response	2091
Total RR On-Scene Activities	2511
Average Activities/Assisted Event	1.20
% of Events Assisted	42.76%



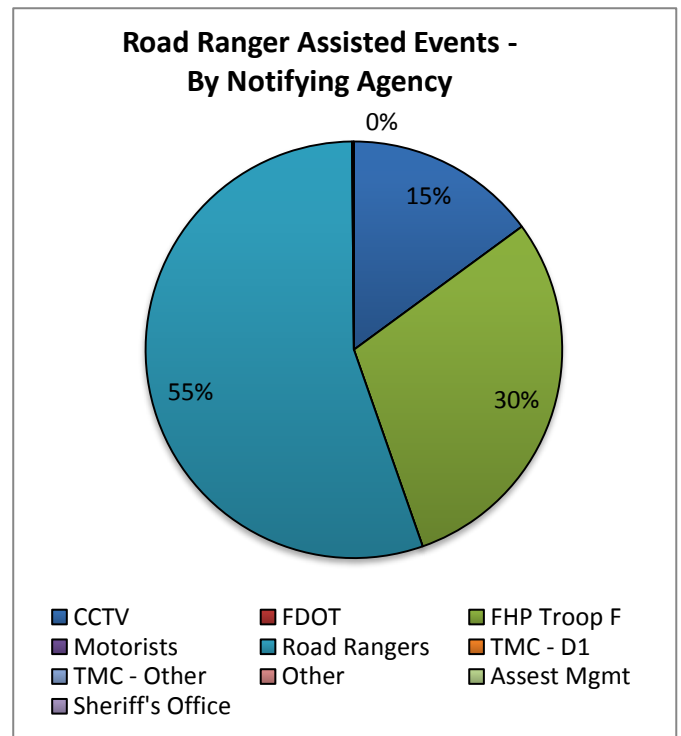
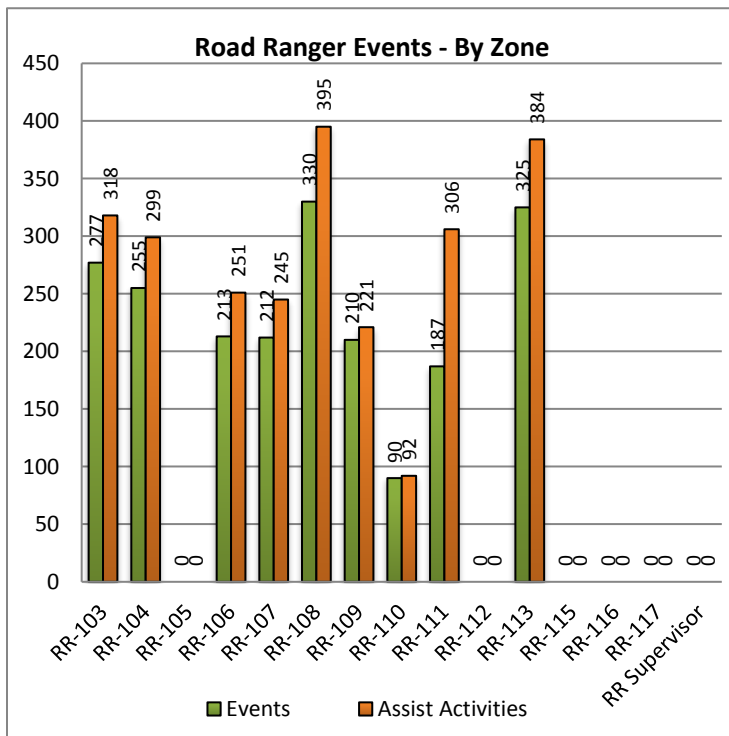
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	777
Lee	576
Charlotte	273
Sarasota	618
Manatee	439
Other	9
Totals	2692





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	277	318
RR-104	255	299
RR-105	0	0
RR-106	213	251
RR-107	212	245
RR-108	330	395
RR-109	210	221
RR-110	90	92
RR-111	187	306
RR-112	0	0
RR-113	325	384
RR-115	0	0
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2099	2511

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	400	14.9%
FDOT	0	0.0%
FHP Troop F	796	29.6%
Motorists	0	0.0%
Road Rangers	1479	54.9%
TMC - D1	3	0.1%
TMC - Other	0	0.0%
Other	1	0.0%
Assest Mgmt	0	0.0%
Sheriff's Office	0	0.0%
Waze	13	0.5%
Totals	2692	100.0%

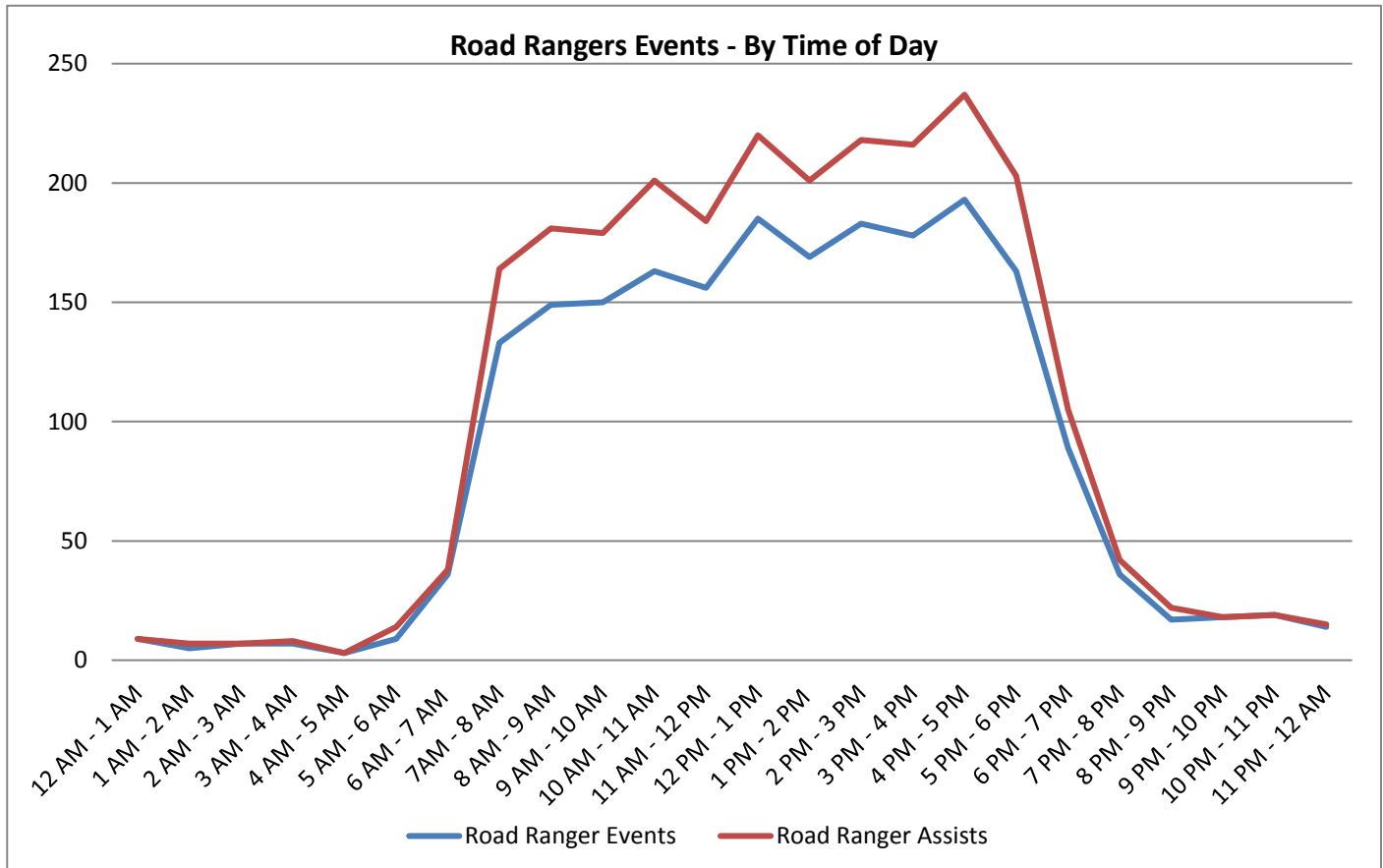




**22. Road Ranger Assisted Events -
By Time of Day:**

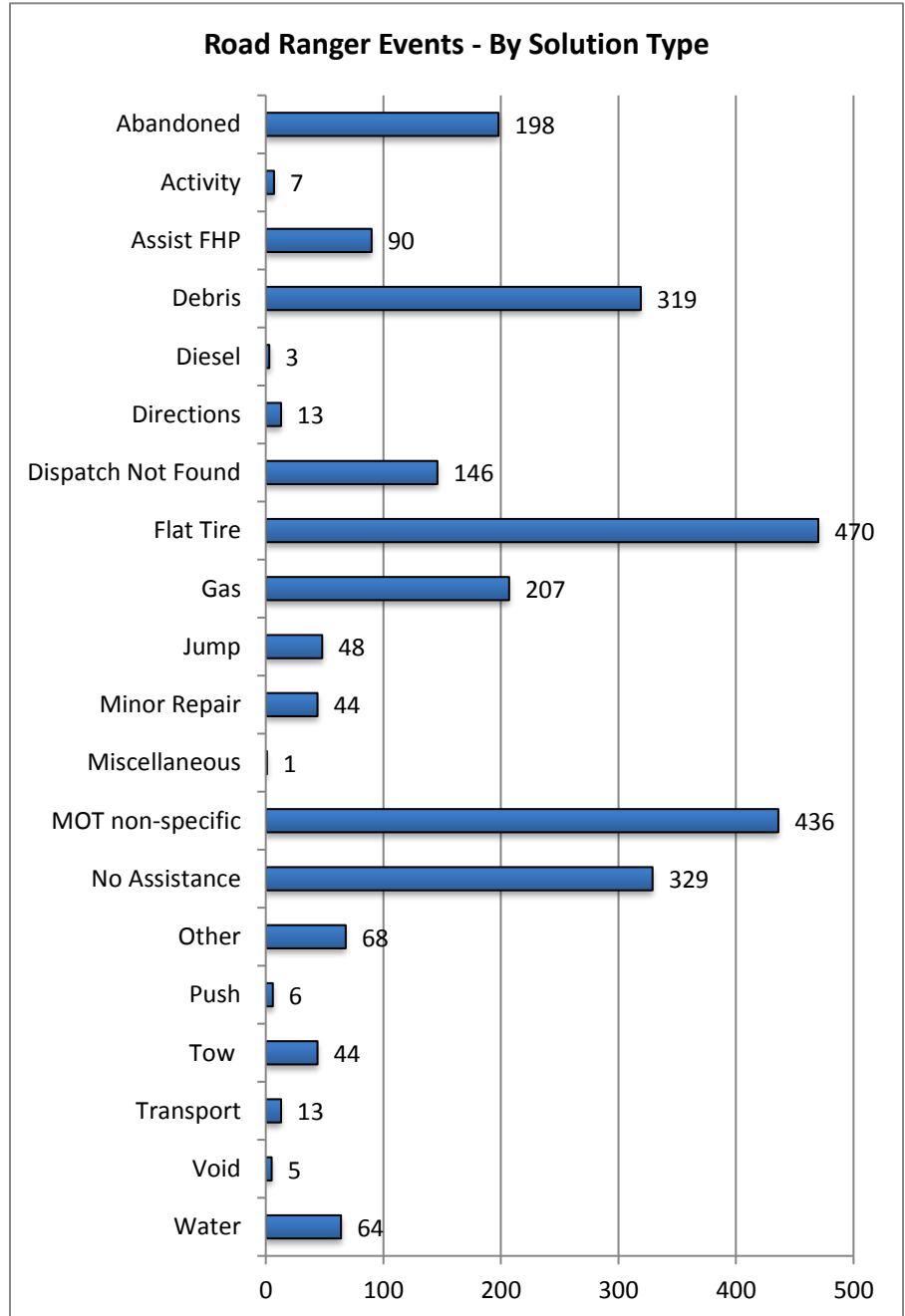
Time of Day	RR Events	RR Assists
12 AM - 1 AM	9	9
1 AM - 2 AM	5	7
2 AM - 3 AM	7	7
3 AM - 4 AM	7	8
4 AM - 5 AM	3	3
5 AM - 6 AM	9	14
6 AM - 7 AM	36	38
7 AM - 8 AM	133	164
8 AM - 9 AM	149	181
9 AM - 10 AM	150	179
10 AM - 11 AM	163	201
11 AM - 12 PM	156	184

Time of Day	RR Events	RR Assists
12 PM - 1 PM	185	220
1 PM - 2 PM	169	201
2 PM - 3 PM	183	218
3 PM - 4 PM	178	216
4 PM - 5 PM	193	237
5 PM - 6 PM	163	203
6 PM - 7 PM	89	105
7 PM - 8 PM	36	42
8 PM - 9 PM	17	22
9 PM - 10 PM	18	18
10 PM - 11 PM	19	19
11 PM - 12 AM	14	15
Totals	2091	2511





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	198
Absorbant	0
Activity	7
Assist FHP	90
Bleach	0
Cold Patch Asphalt	0
Debris	319
Deploy Cones	0
Diesel	3
Directions	13
Dispatch Not Found	146
Flare	0
Flat Tire	470
Flood Lamp	0
Gas	207
Jump	48
Livestock	0
Lockout	0
Minor Repair	44
Miscellaneous	1
MOT non-specific	436
No Assistance	329
Oil	0
Other	68
Phone	0
Portland Cement	0
Push	6
Radio	0
Tow	44
Translate	0
Transmission Fluid	0
Transport	13
Turbo Flare	0
Unsuccessful Repair	0
Void	5
Water	64
Wildlife	0
Total Assist Activities	2511



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