



This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for November 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:	
	4847

2. Number of Lane Blocking Events:	
	482

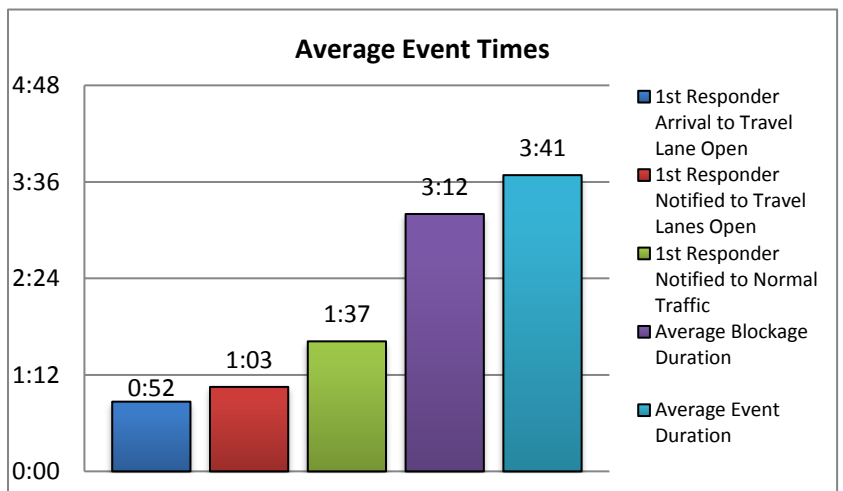
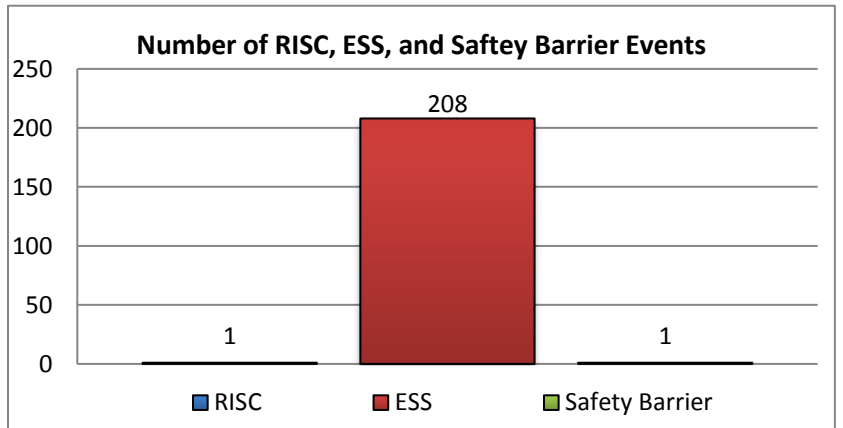
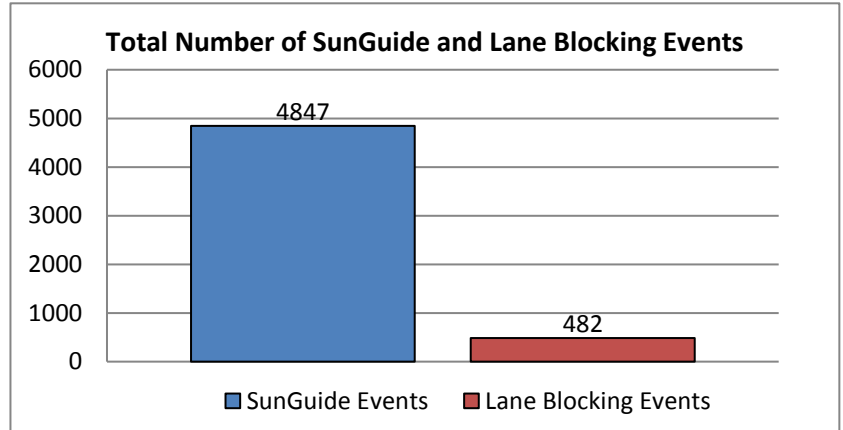
3. Number of RISC Events:	
	1

4. Number of ESS Events:	
	208

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	0:52
Average Incident Duration From First Responder Notified to Travel Lane Open	1:03
Average Incident Duration From First Responder Notified to Normal Traffic	1:37

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4847
Number of Lane Blocking Events	482
Number of Secondary Incidents	81
Average Blockage Duration	3:12
Average Event Duration	3:41



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.



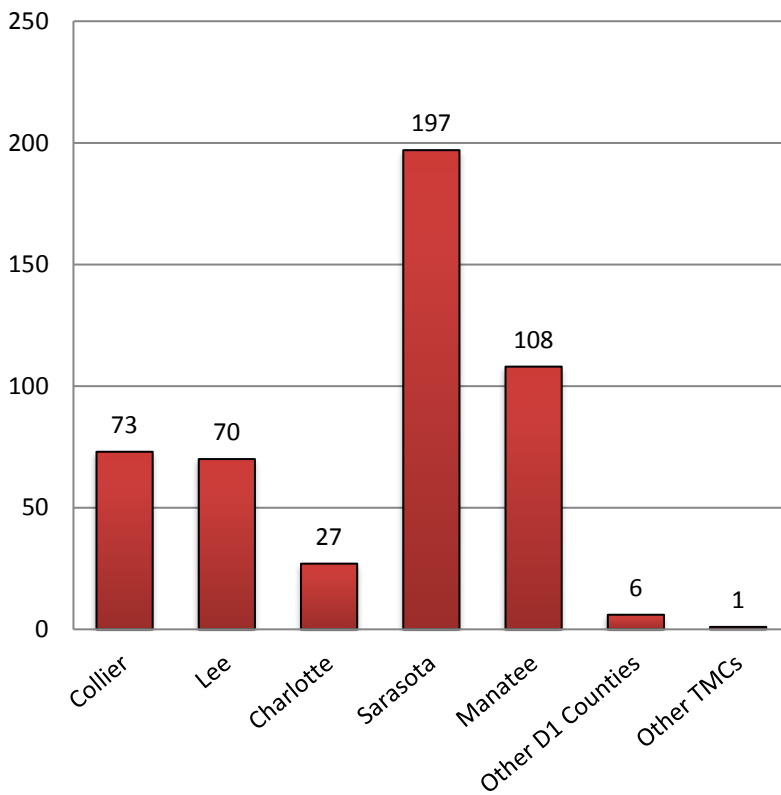
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	66	34	16	127	79	-
US-41	3	14	9	24	21	-
I-275	-	-	-	-	0	-
Arterials	4	22	2	46	8	6
Total Incidents	73	70	27	197	108	6

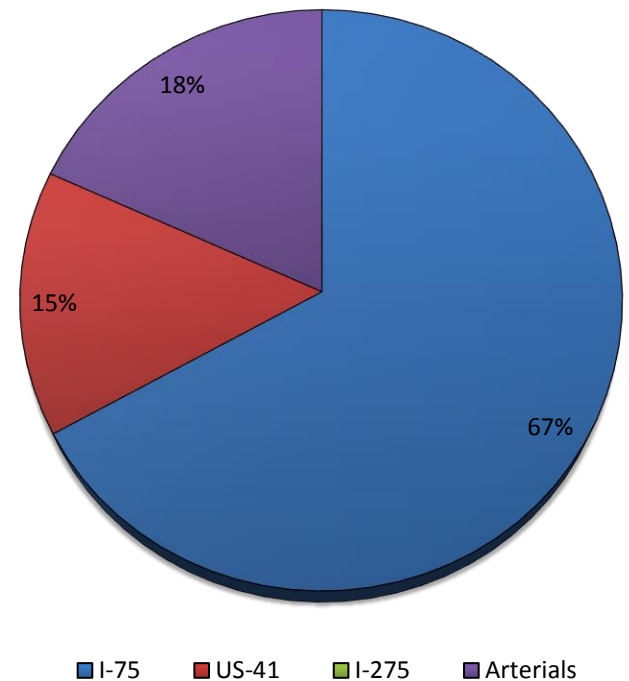
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	1	-	323
US-41	0	0	-	-	71
I-275	0	-	-	-	0
Arterials	0	0	0	0	88
Total Incidents	0	0	1	0	482

*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



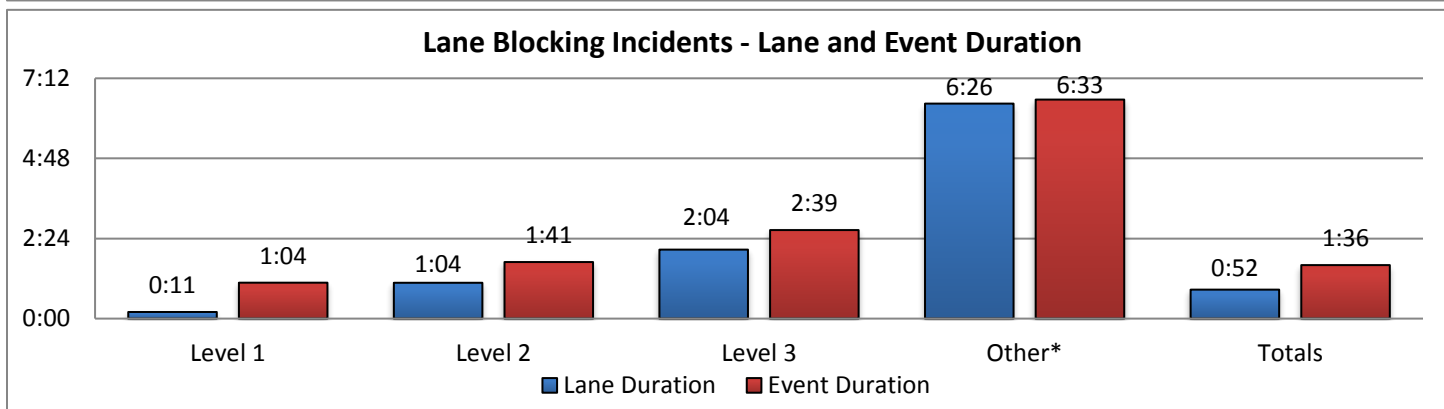
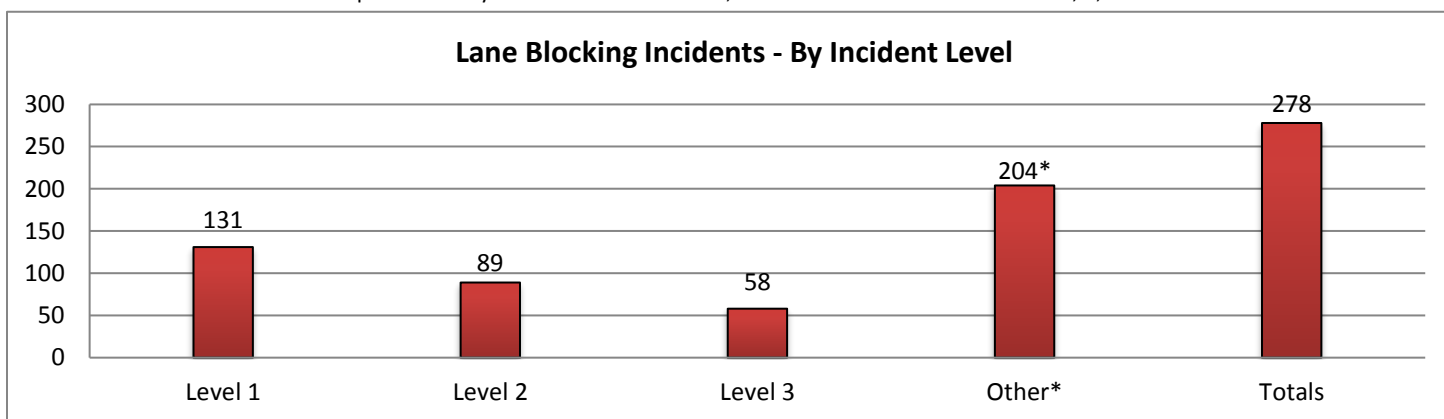


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	26	0:12	1:16	25	0:14	1:08	10	0:12	0:51	36	0:12	1:02
Level 2	16	1:06	2:07	22	1:07	1:25	6	1:25	1:39	28	1:01	1:44
Level 3	9	1:19	2:22	11	1:37	2:03	3	1:25	1:52	15	1:28	2:07
Other*	22*	7:11	7:17	12*	7:33	7:37	8*	6:45	6:51	118*	6:17	6:25
Totals	51	0:40	1:43	58	0:49	1:24	19	0:46	1:15	79	0:43	1:29

	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	34	0:10	1:00	0	0:00	0:00	0	0:00	0:00	131	0:11	1:04
Level 2	16	0:59	1:40	0	0:00	0:00	1	0:40	0:42	89	1:04	1:41
Level 3	15	3:36	4:03	5	2:00	2:23	0	0:00	0:00	58	2:04	2:39
Other*	43*	6:06	6:13	1*	7:53	7:56	0*	0:00	0:00	204*	6:26	6:33
Totals	65	1:09	1:52	5	2:00	2:23	1	0:40	0:42	278	0:52	1:36

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

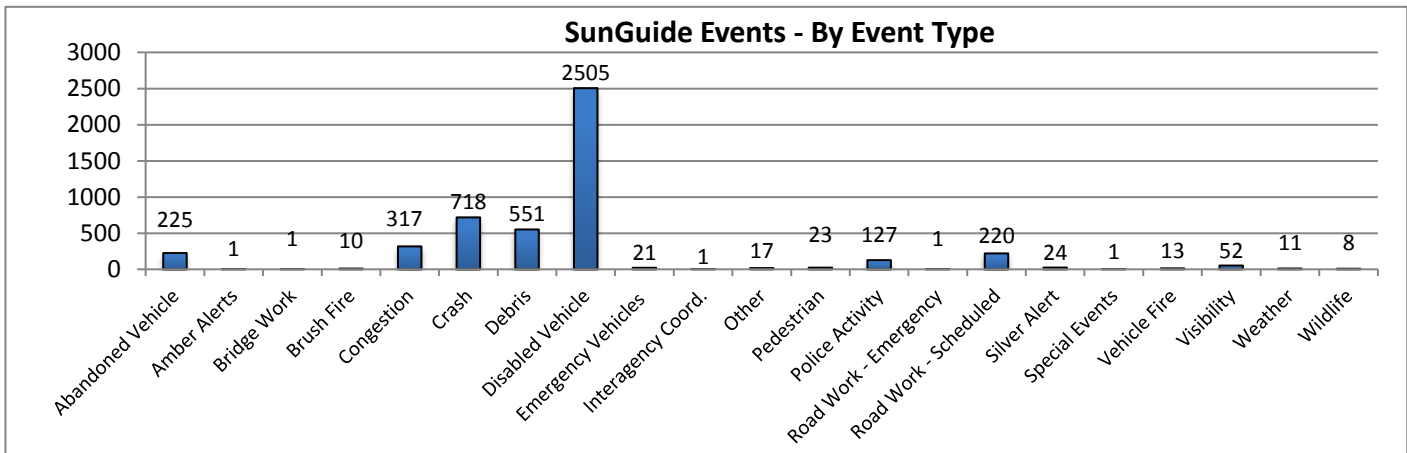




10. SunGuide Events - by Event Type:

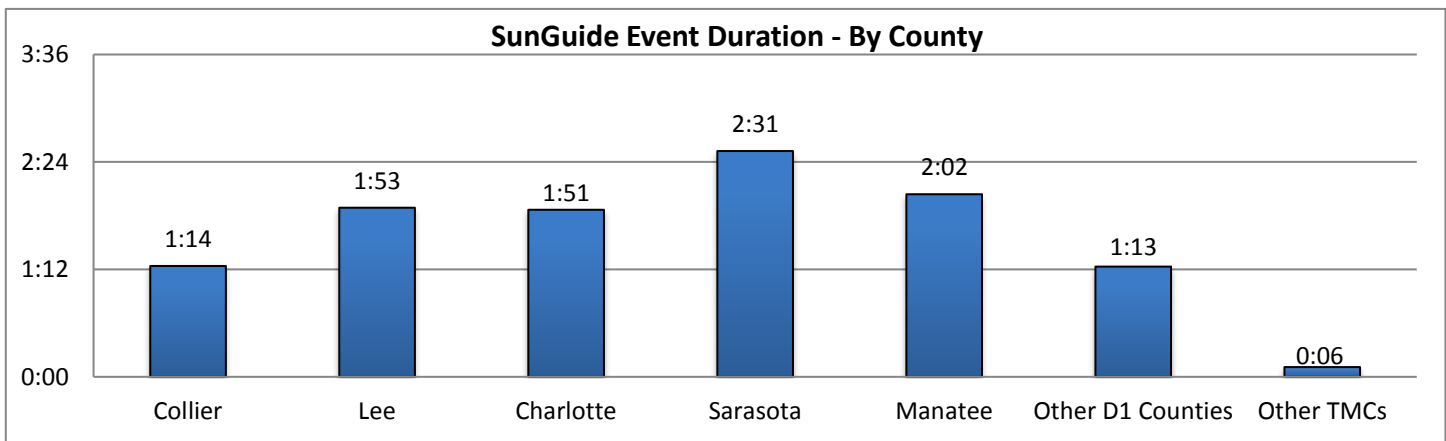
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	41	63	28	52	41	0	0	225
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	1	0	0	0	0	1
Brush Fire	1	5	1	3	1	0	0	11
Congestion	24	44	3	59	187	0	0	317
Crash	68	172	31	212	227	5	3	718
Debris	78	124	77	139	130	1	2	551
Disabled Vehicle	860	739	207	372	317	0	10	2505
Emergency Vehicles	2	4	0	9	6	0	0	21
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	0	0	0	0	1	0	0	1
LEO Alerts	0	0	0	0	0	0	0	0
Other	1	13	2	1	0	0	0	17
Pedestrian	3	7	3	3	7	0	0	23
Police Activity	47	52	13	9	6	0	0	127
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	0	0	0	1	0	0	0	1
Road Work - Scheduled	22	16	10	122	48	2	0	220
Silver Alert	0	24	0	0	0	0	0	24
Special Events	0	0	0	0	1	0	0	1
Vehicle Fire	3	3	0	6	1	0	0	13
Visibility	11	9	12	13	7	0	0	52
Weather	2	3	1	2	3	0	0	11
Wildlife	4	2	0	0	2	0	0	8
Total Incidents	1167	1280	389	1003	985	8	15	4847

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	1:29	16:24	9:17	9:34	10:34	0:00	0:00	10:09
Amber Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Bridge Work	0:00	0:00	0:16	0:00	0:00	0:00	0:00	0:16
Brush Fire	1:48	0:34	0:20	0:34	0:23	0:00	0:00	0:38
Congestion	0:47	0:44	1:20	1:22	1:24	0:00	0:00	1:15
Crash	1:29	1:18	1:13	1:28	1:40	0:28	0:22	1:28
Debris	0:22	0:22	0:16	0:29	0:21	0:11	0:04	0:22
Disabled Vehicle	1:08	1:05	1:23	1:58	1:41	0:00	0:02	1:19
Emergency Vehicles	1:37	0:58	0:00	1:01	5:33	0:00	0:00	2:21
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	2:20	0:00	0:00	2:20
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:06	0:05	0:06	0:13	0:00	0:00	0:00	0:05
Pedestrian	0:24	0:20	0:21	0:18	0:22	0:00	0:00	0:21
Police Activity	0:34	0:22	0:25	0:15	0:27	0:00	0:00	0:26
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	2:29	0:00	0:00	0:00	2:29
Road Work - Scheduled	7:17	6:25	5:40	6:15	5:47	3:38	0:00	6:12
Silver Alert	0:00	4:09	0:00	0:00	0:00	0:00	0:00	4:09
Special Events	0:00	0:00	0:00	0:00	0:54	0:00	0:00	0:54
Vehicle Fire	2:01	1:05	0:00	1:48	1:20	0:00	0:00	1:38
Visibility	4:45	4:40	4:15	3:45	4:24	0:00	0:00	4:19
Weather	2:49	1:42	2:24	1:29	1:07	0:00	0:00	1:46
Wildlife	1:02	0:26	0:00	0:00	0:31	0:00	0:00	0:45
Total Incidents	1:14	1:53	1:51	2:31	2:02	1:13	0:06	1:53





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
3502	430	8	2:47

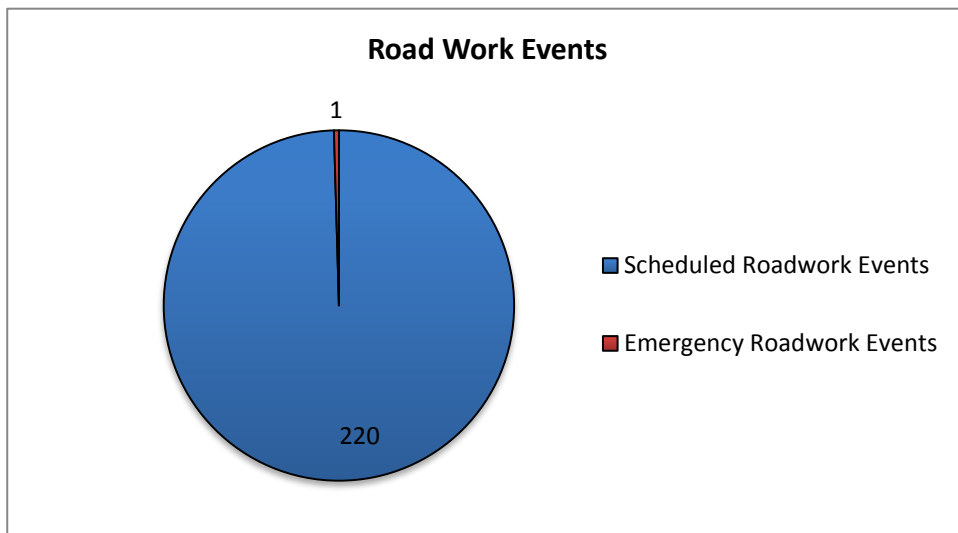
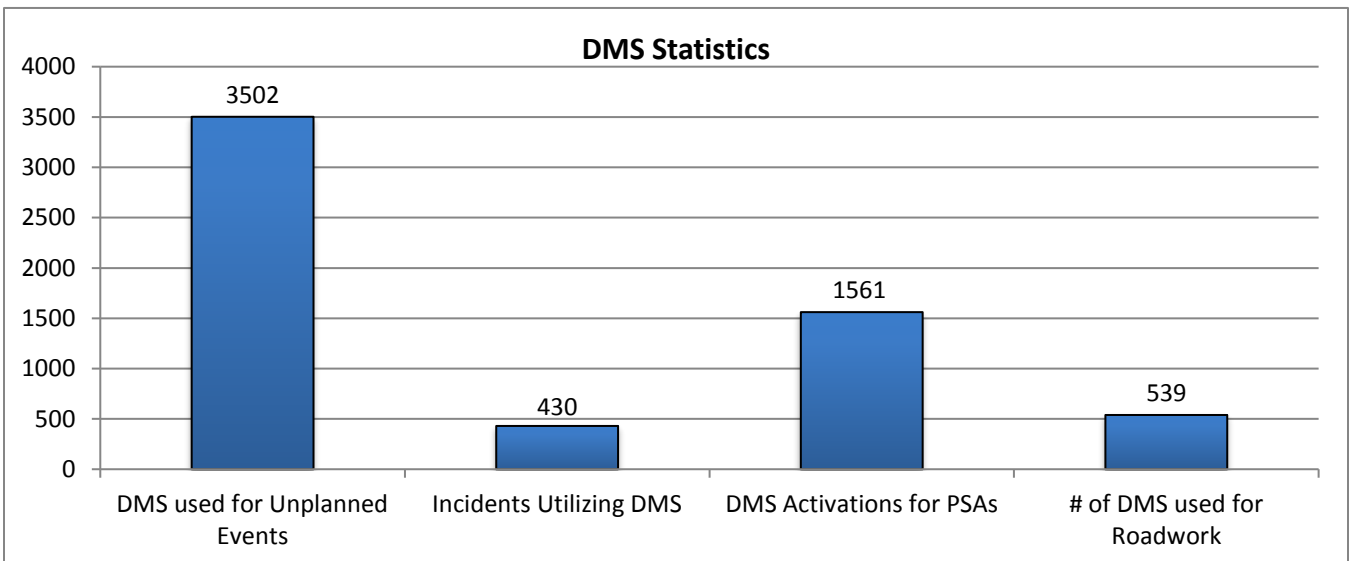
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
1561

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
220	1	221
# DMS Used for Road Work		Average # of DMS/Pattern
539		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	6	Mile <49	0
Mile 49-79.9	173	Mile 49-79.9	261
Mile 80-100.9	213	Mile 80-100.9	172
Mile 101-104.9	29	Mile 101-104.9	24
Mile 105-106.9	32	Mile 105-106.9	32
Mile 107-110.9	70	Mile 107-110.9	56
Mile 111-115.9	59	Mile 111-115.9	39
Mile 116-122.9	96	Mile 116-122.9	106
Mile 123-127.9	128	Mile 123-127.9	73
Mile 128-130.9	76	Mile 128-130.9	60
Mile 131-135.9	101	Mile 131-135.9	103
Mile 136 -137.9	38	Mile 136 -137.9	27
Mile 138 -138.9	37	Mile 138 -138.9	17
Mile 139 - 140.9	65	Mile 139 - 140.9	21
Mile 141 - 142.9	26	Mile 141 - 142.9	27
Mile 143 - 157.9	152	Mile 143 - 157.9	136
Mile 158 - 160.9	22	Mile 158 - 160.9	18
Mile 161 - 163.9	35	Mile 161 - 163.9	27
Mile 164 - 166.9	19	Mile 164 - 166.9	26
Mile 167 -169.9	21	Mile 167 -169.9	23
Mile 170 - 178.9	58	Mile 170 - 178.9	54
Mile 179 - 181.9	26	Mile 179 - 181.9	26
Mile 182 - 190.9	68	Mile 182 - 190.9	93
Mile 191 - 192.9	34	Mile 191 - 192.9	32
Mile 193 - 194.9	17	Mile 193 - 194.9	23
Mile 195 -199.9	49	Mile 195 -199.9	39
Mile 200 - 204.9	61	Mile 200 - 204.9	57
Mile 205 - 206.9	32	Mile 205 - 206.9	35
Mile 207 - 209.9	31	Mile 207 - 209.9	33
Mile 210 -212.9	53	Mile 210 -212.9	40
Mile 213 - 216.9	152	Mile 213 - 216.9	128
Mile 217 - 219.9	65	Mile 217 - 219.9	72
Mile 220 - 223.9	77	Mile 220 - 223.9	66
Mile 224 -227.9	74	Mile 224 -227.9	56
Mile 228 - 228.9	18	Mile 228 - 228.9	8
Mile 229 -229.9	2	Mile 229 -229.9	0
Mile 230 - 239.9	1	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
North Total	2216	South Total	2010

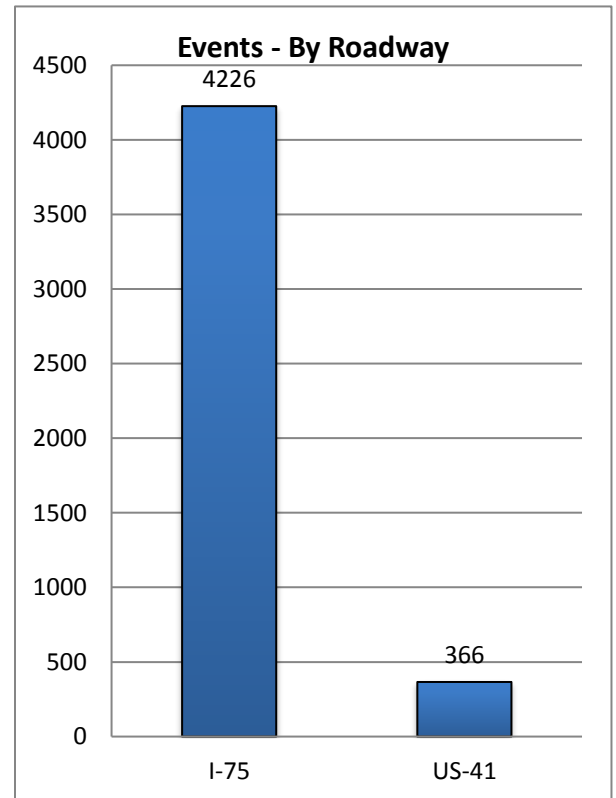
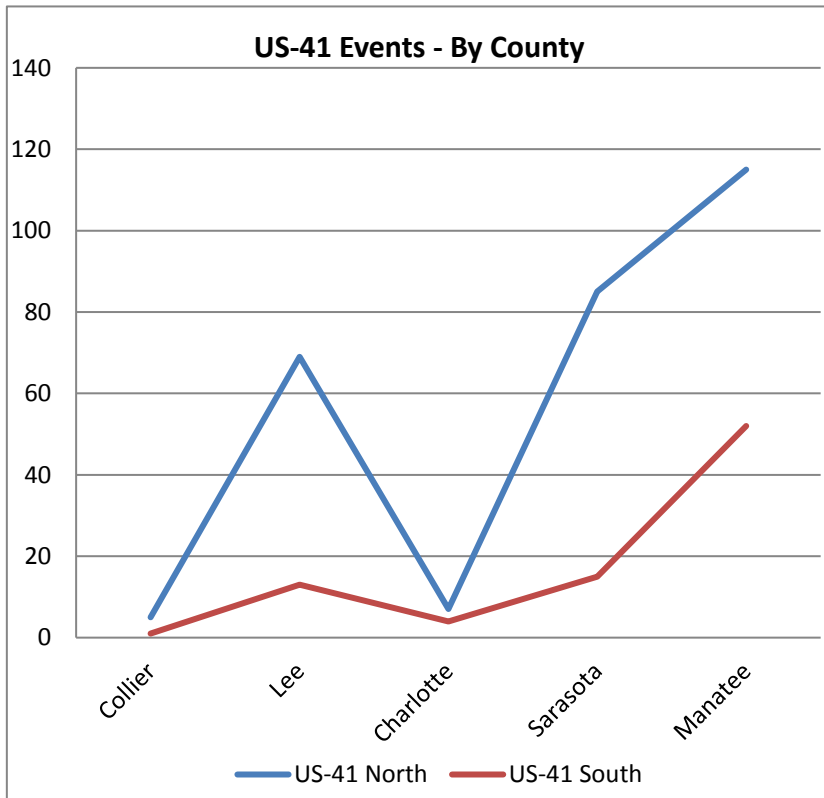
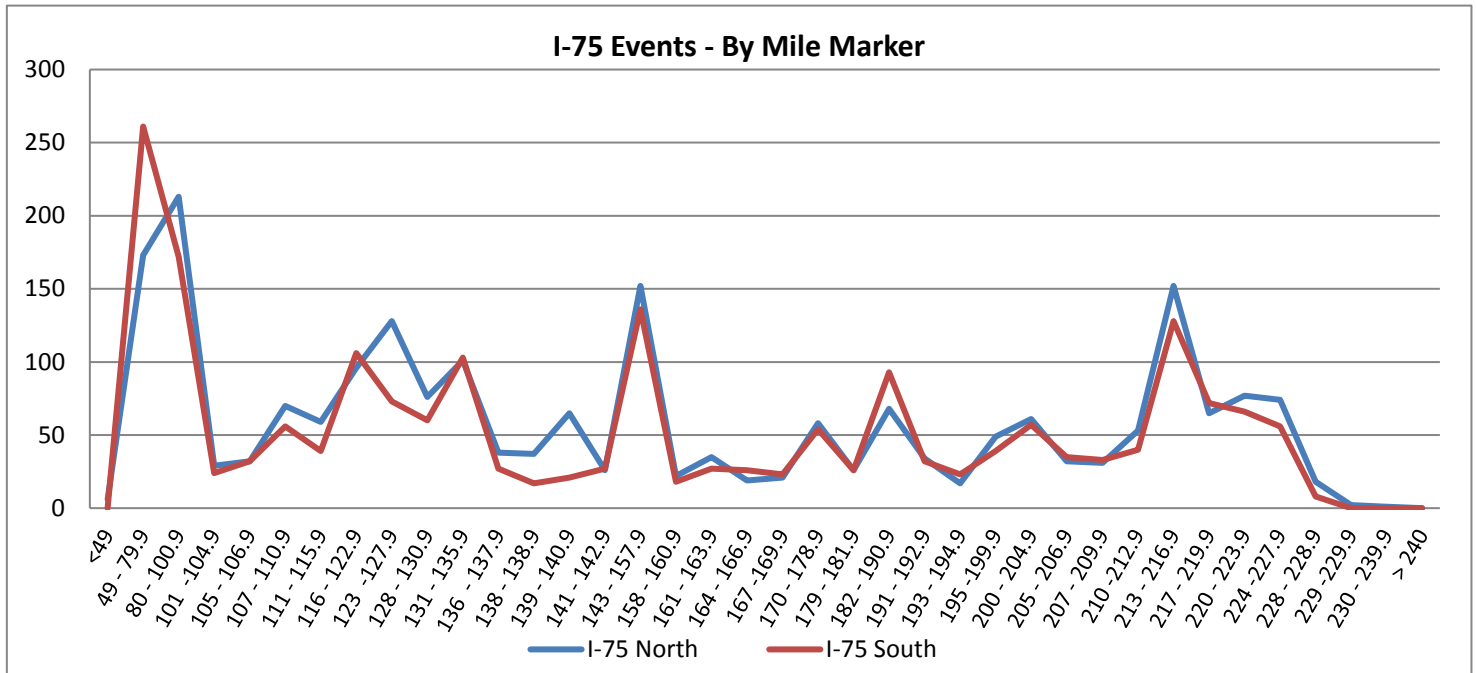
US-41 Northbound	
Collier	5
Lee	69
Charlotte	7
Sarasota	85
Manatee	115
North Total	281

US-41 Southbound	
Collier	1
Lee	13
Charlotte	4
Sarasota	15
Manatee	52
South Total	85

Total Events on US-41
366

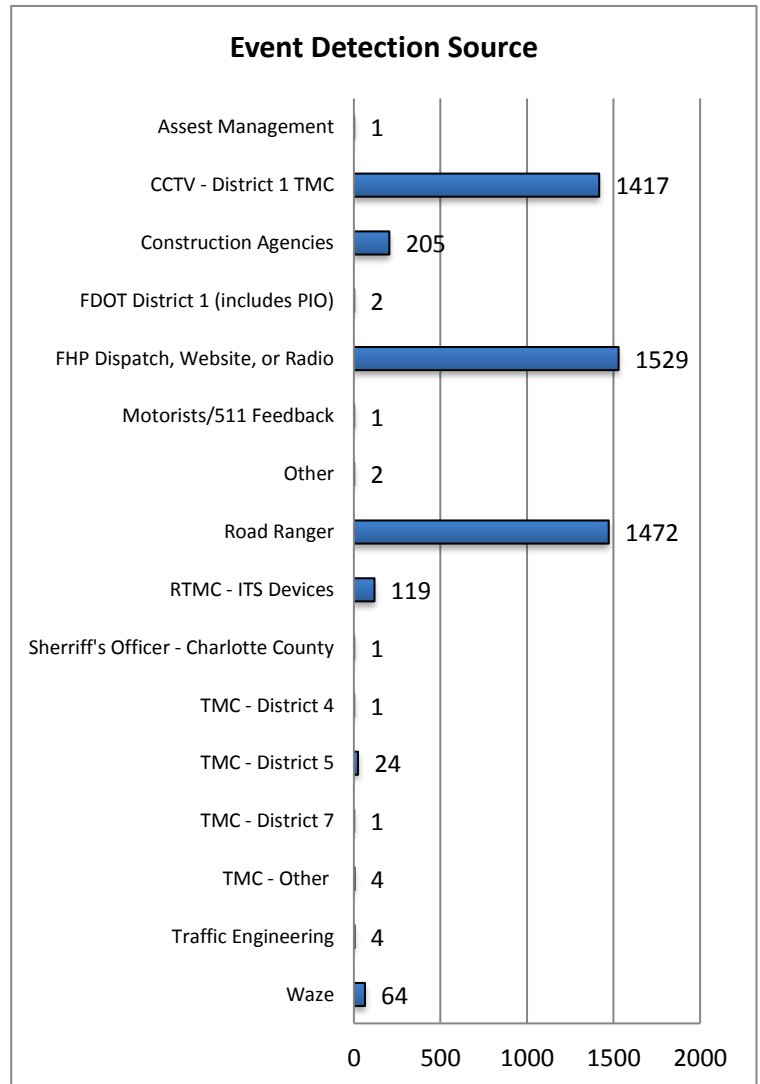
Total Events on I-75
4226

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





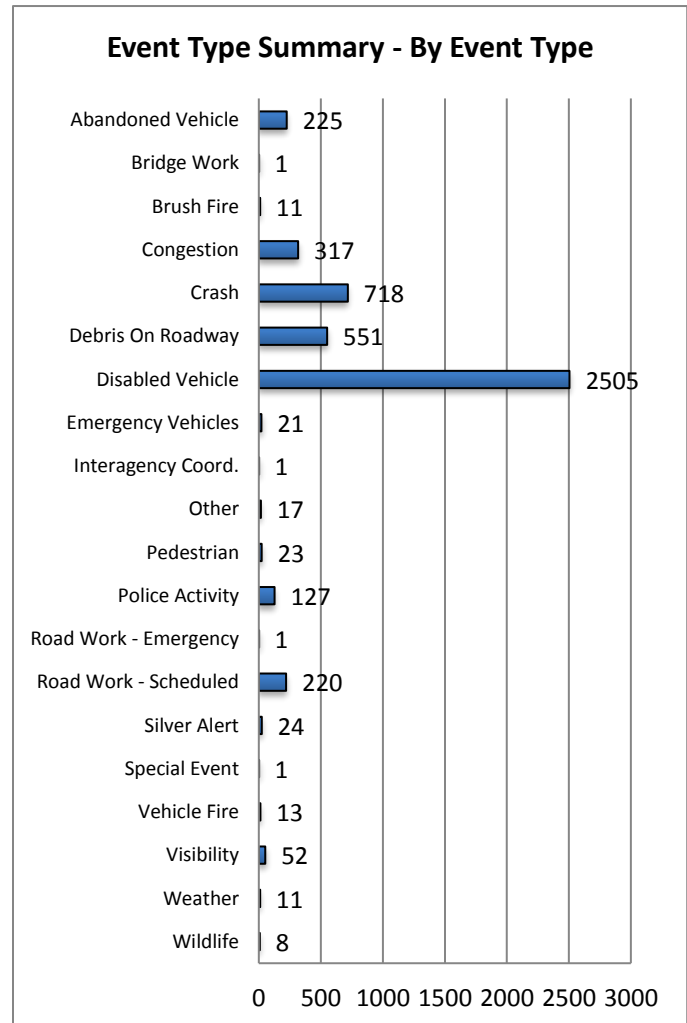
16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	1	0.0%
CCTV - District 1 TMC	1417	29.2%
CCTV - Other	0	0.0%
Construction Agencies	205	4.2%
County and Local Law Enforcement	0	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	2	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1529	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	2	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1472	30.4%
RTMC - ITS Devices (TSS & Safety Barrier)	119	2.5%
RTMC Scanner	0	0.0%
RTMC Staff (On Scene)	0	0.0%
Sherriff's Officer - Charlotte County	1	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	24	0.5%
TMC - District 7	1	0.0%
TMC - Other	4	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	4	0.1%
Waze	64	1.3%
Total Number of Incidents	4847	100.0%



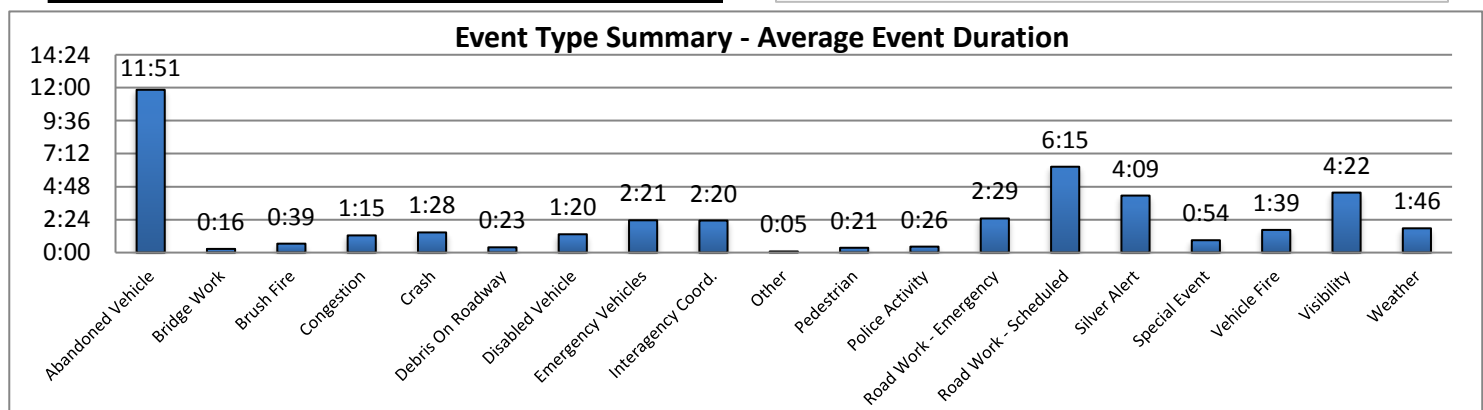
Note: Event Detection Source Categories listed as zero are not included in the above chart.



17. Event Type Summary			
Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	225	3:42	11:51
Amber Alert	0	0:00	0:00
Bridge Work	1	0:00	0:16
Brush Fire	11	0:37	0:39
Congestion	317	0:00	1:15
Crash	718	0:56	1:28
Debris On Roadway	551	0:13	0:23
Disabled Vehicle	2505	0:22	1:20
Emergency Vehicles	21	0:50	2:21
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	1	0:00	2:20
LEO Alert	0	0:00	0:00
Other	17	0:01	0:05
Pedestrian	23	0:10	0:21
Police Activity	127	0:21	0:26
PSA	0	0:00	0:00
Road Work - Emergency	1	2:29	2:29
Road Work - Scheduled	220	0:06	6:15
Silver Alert	24	0:00	4:09
Special Event	1	0:54	0:54
Vehicle Fire	13	1:15	1:39
Visibility	52	0:02	4:22
Weather	11	0:00	1:46
Wildlife	8	0:42	0:45
Total Events	4847	0:50	2:15



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 &
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

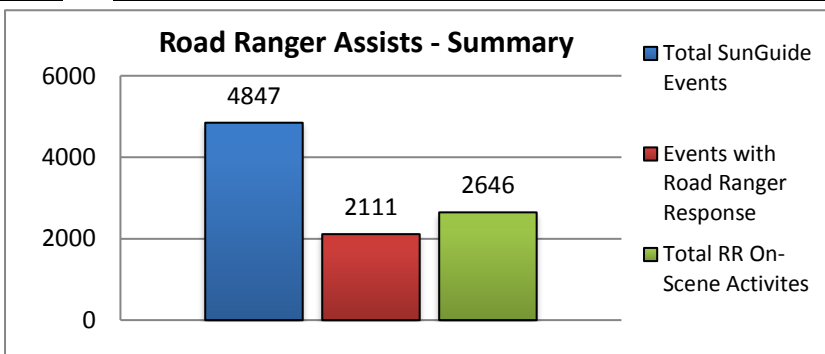
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

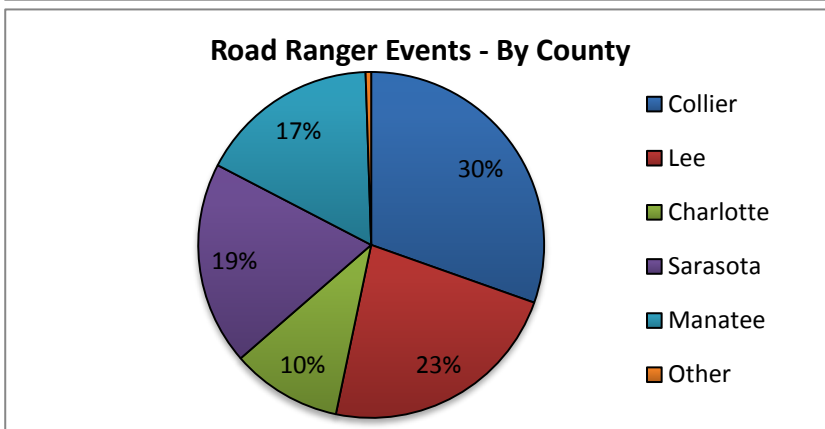
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4847
Events with Road Ranger Response	2111
Total RR On-Scene Activities	2646
Average Activities/Assisted Event	1.25
% of Events Assisted	43.55%



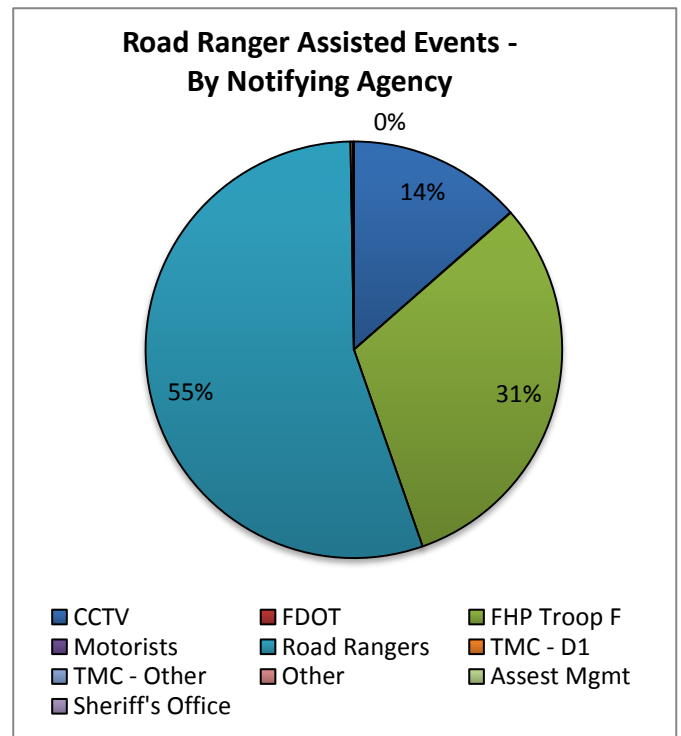
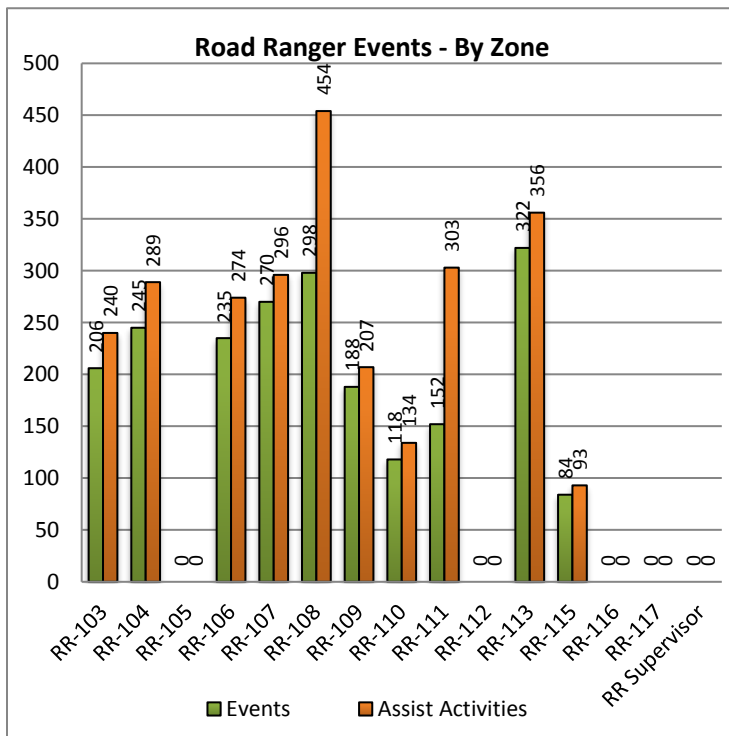
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	821
Lee	617
Charlotte	279
Sarasota	513
Manatee	455
Other	14
Totals	2699





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	206	240
RR-104	245	289
RR-105	0	0
RR-106	235	274
RR-107	270	296
RR-108	298	454
RR-109	188	207
RR-110	118	134
RR-111	152	303
RR-112	0	0
RR-113	322	356
RR-115	84	93
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2118	2646

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	361	13.4%
FDOT	1	0.0%
FHP Troop F	829	30.7%
Motorists	0	0.0%
Road Rangers	1469	54.4%
TMC - D1	6	0.2%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	1	0.0%
Sheriff's Office	0	0.0%
Waze	32	1.2%
Totals	2699	100.0%

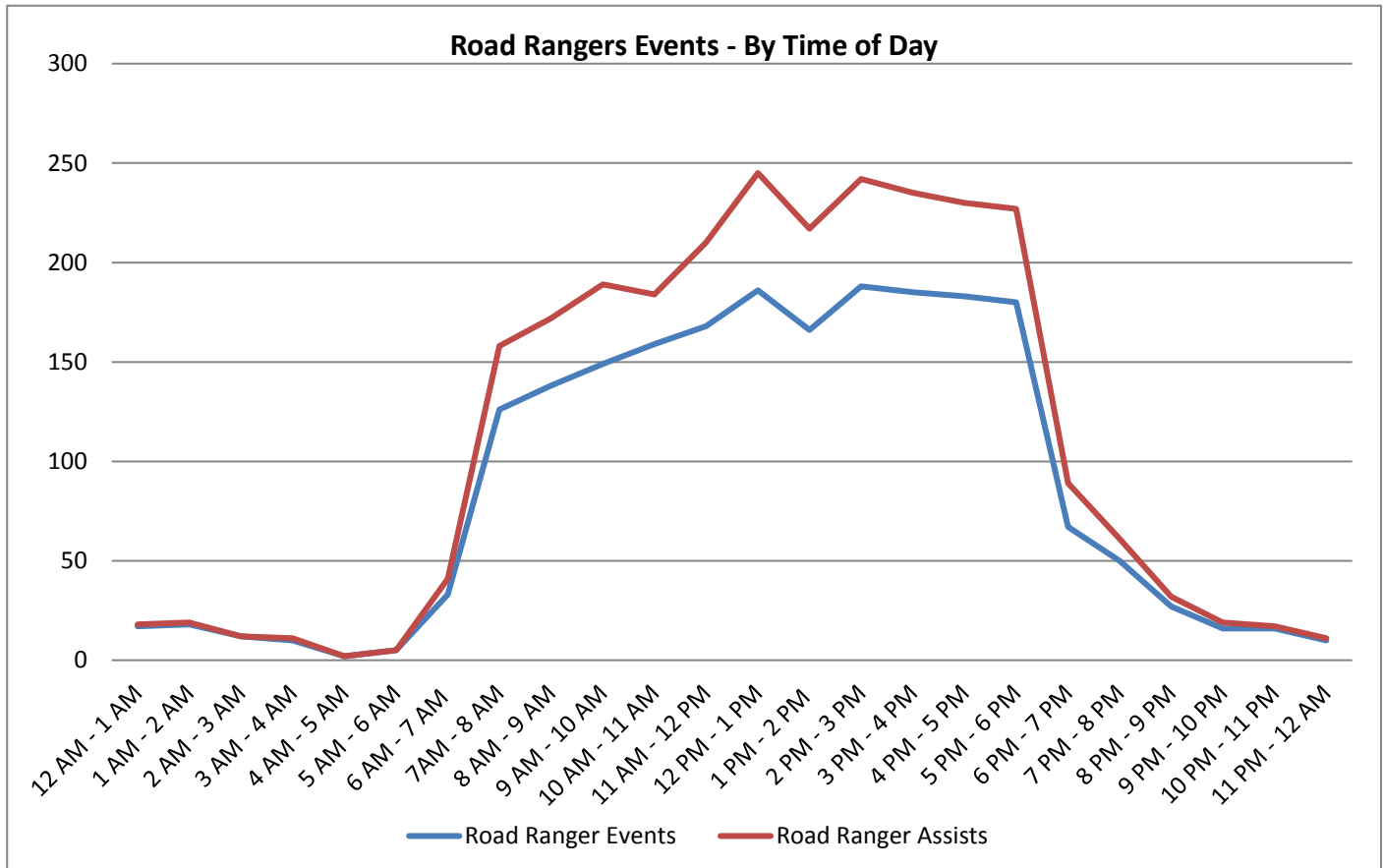




**22. Road Ranger Assisted Events -
By Time of Day:**

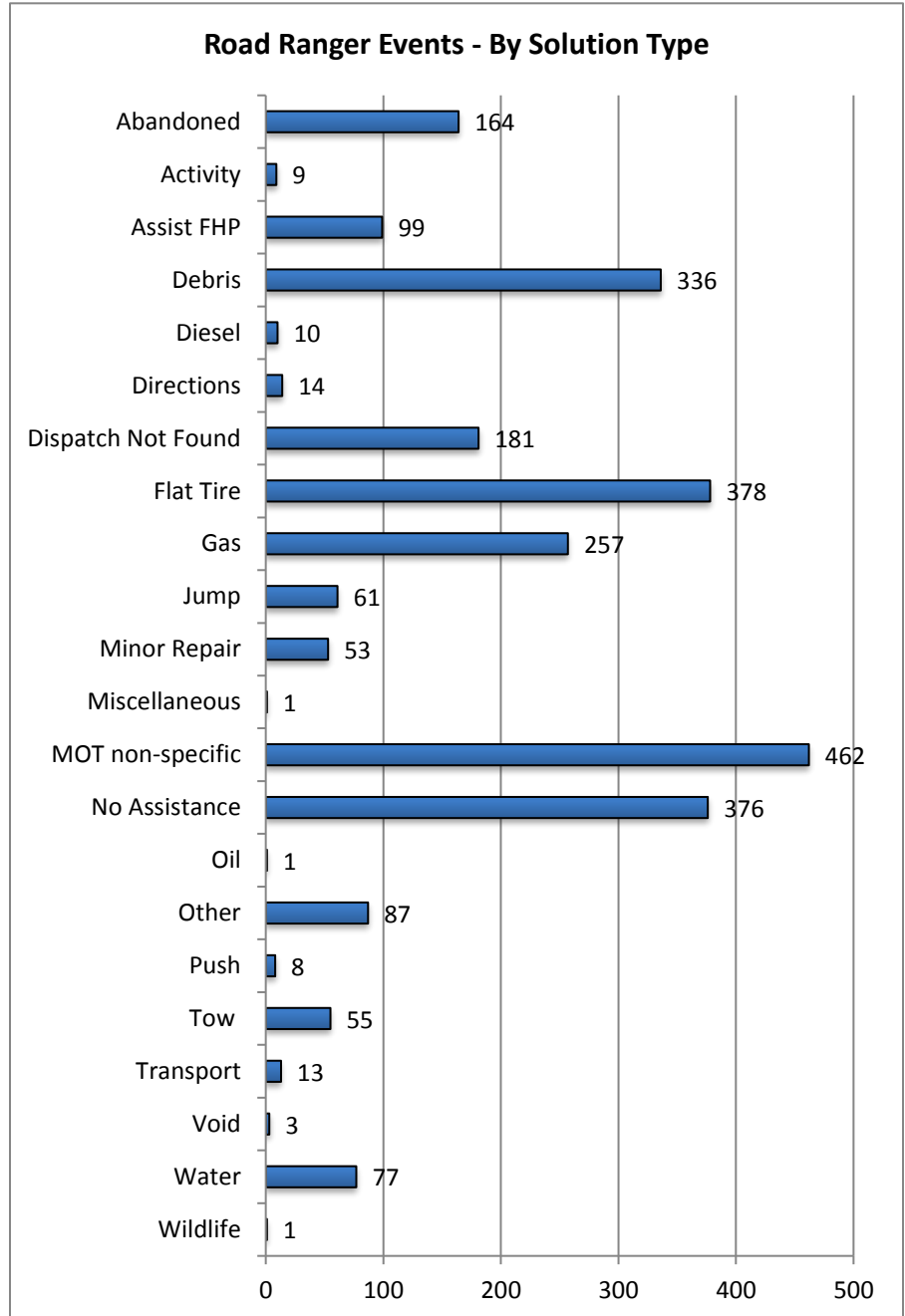
Time of Day	RR Events	RR Assists
12 AM - 1 AM	17	18
1 AM - 2 AM	18	19
2 AM - 3 AM	12	12
3 AM - 4 AM	10	11
4 AM - 5 AM	2	2
5 AM - 6 AM	5	5
6 AM - 7 AM	33	41
7 AM - 8 AM	126	158
8 AM - 9 AM	138	172
9 AM - 10 AM	149	189
10 AM - 11 AM	159	184
11 AM - 12 PM	168	210

Time of Day	RR Events	RR Assists
12 PM - 1 PM	186	245
1 PM - 2 PM	166	217
2 PM - 3 PM	188	242
3 PM - 4 PM	185	235
4 PM - 5 PM	183	230
5 PM - 6 PM	180	227
6 PM - 7 PM	67	89
7 PM - 8 PM	50	61
8 PM - 9 PM	27	32
9 PM - 10 PM	16	19
10 PM - 11 PM	16	17
11 PM - 12 AM	10	11
Totals	2111	2646





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	164
Absorbant	0
Activity	9
Assist FHP	99
Bleach	0
Cold Patch Asphalt	0
Debris	336
Deploy Cones	0
Diesel	10
Directions	14
Dispatch Not Found	181
Flare	0
Flat Tire	378
Flood Lamp	0
Gas	257
Jump	61
Livestock	0
Lockout	0
Minor Repair	53
Miscellaneous	1
MOT non-specific	462
No Assistance	376
Oil	1
Other	87
Phone	0
Portland Cement	0
Push	8
Radio	0
Tow	55
Translate	0
Transmission Fluid	0
Transport	13
Turbo Flare	0
Unsuccessful Repair	0
Void	3
Water	77
Wildlife	1
Total Assist Activities	2646



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