



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.

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:	
	4875

2. Number of Lane Blocking Events:	
	467

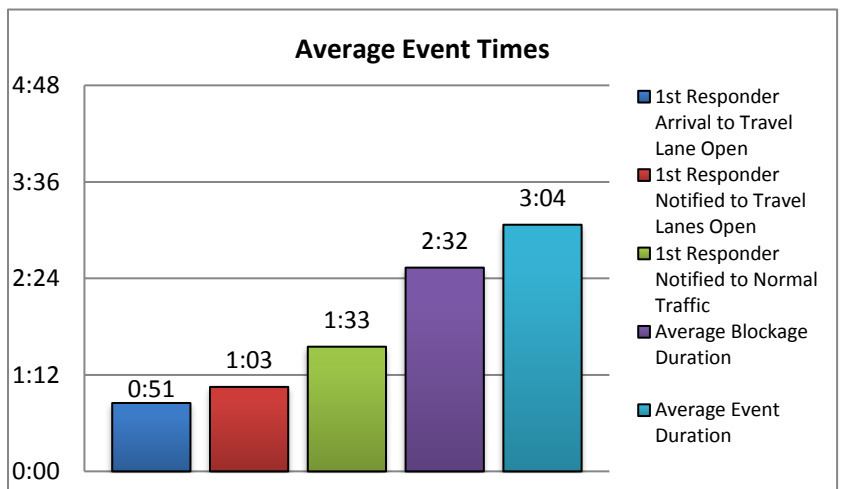
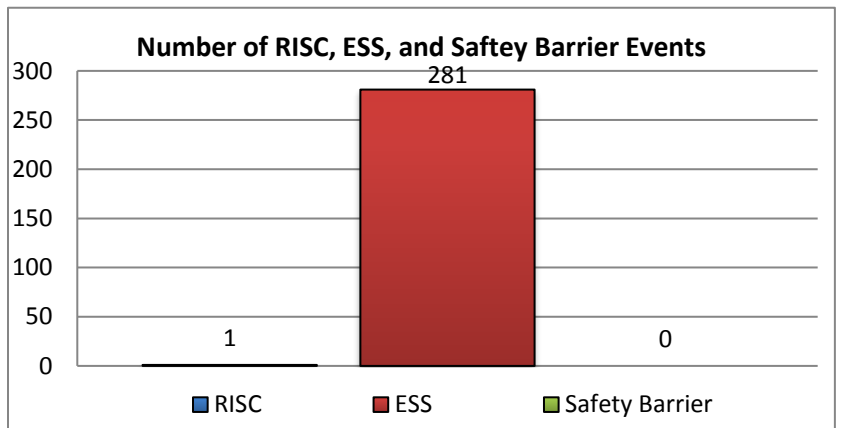
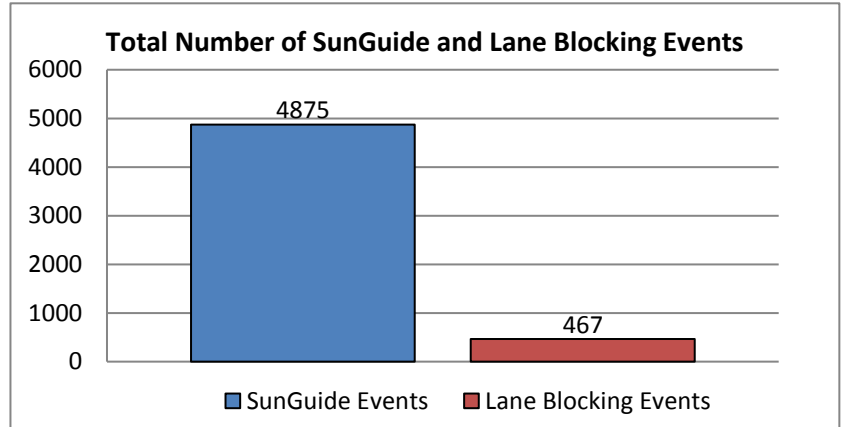
3. Number of RISC Events:	
	1

4. Number of ESS Events:	
	281

5. Events from a Safety Barrier Alert:	
	0

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	0:51
Average Incident Duration From First Responder Notified to Travel Lane Open	1:03
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	4875
Number of Lane Blocking Events	467
Number of Secondary Incidents	102
Average Blockage Duration	2:32
Average Event Duration	3:04



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.



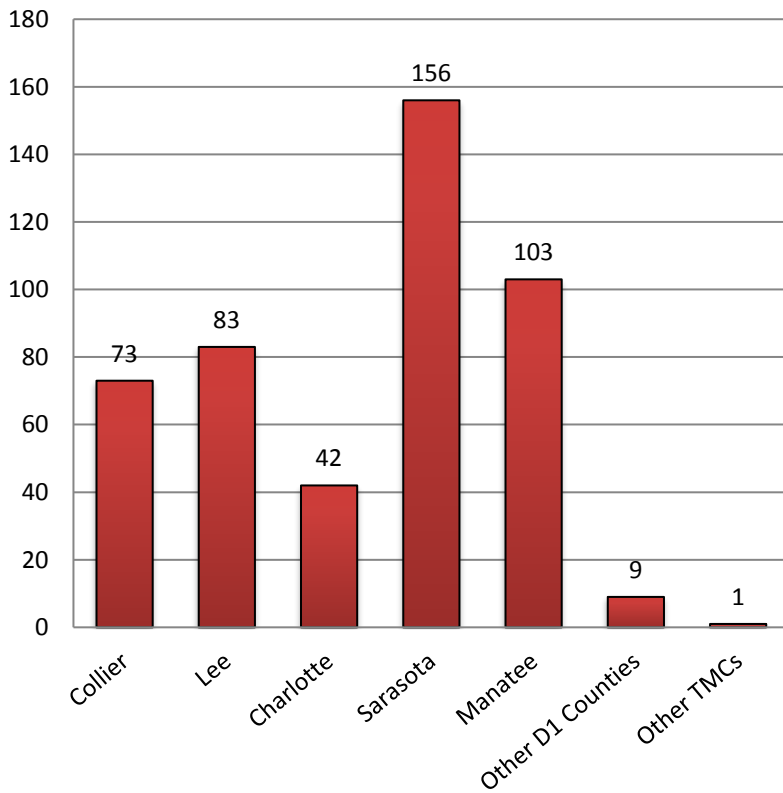
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	62	44	28	101	81	-
US-41	5	22	8	28	15	-
I-275	-	-	-	-	0	-
Arterials	6	17	6	27	7	9
Total Incidents	73	83	42	156	103	9

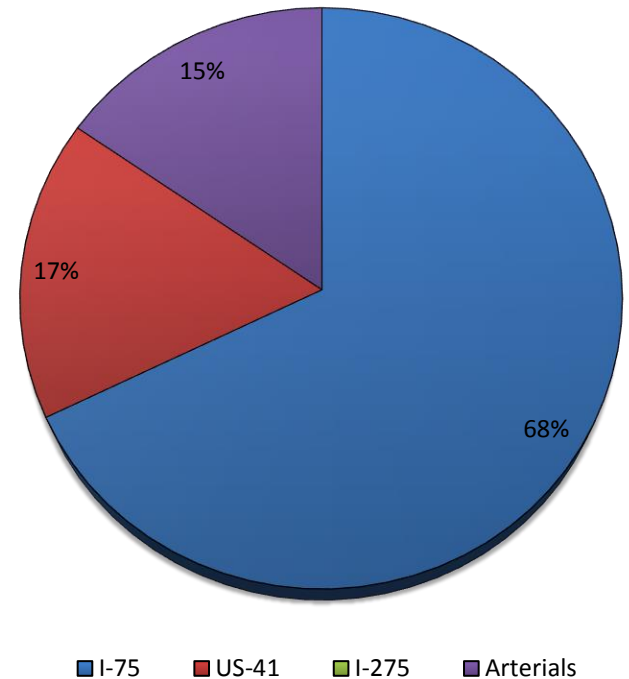
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	1	-	317
US-41	0	0	-	-	78
I-275	0	-	-	-	0
Arterials	0	0	0	0	72
Total Incidents	0	0	1	0	467

*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



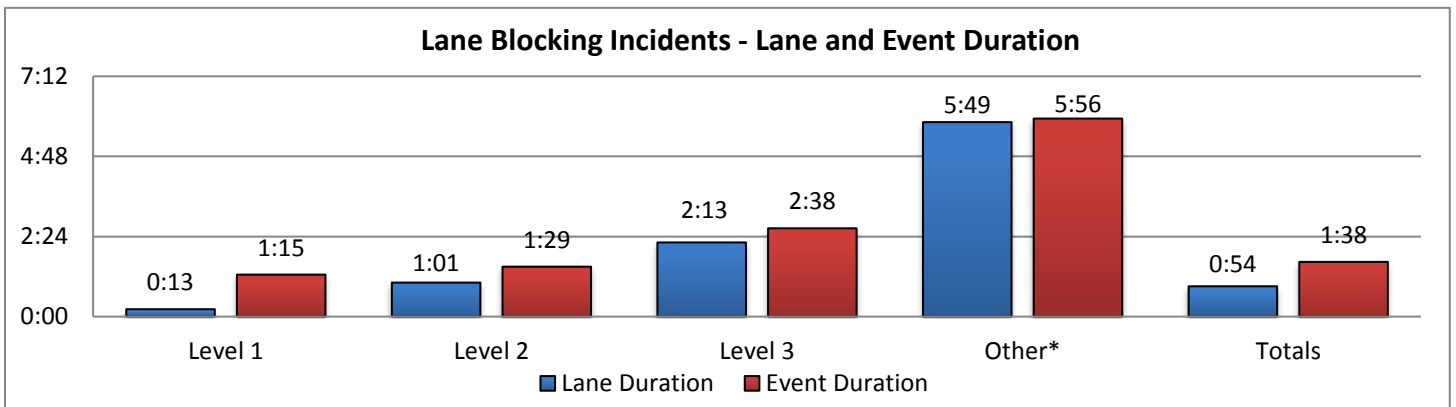
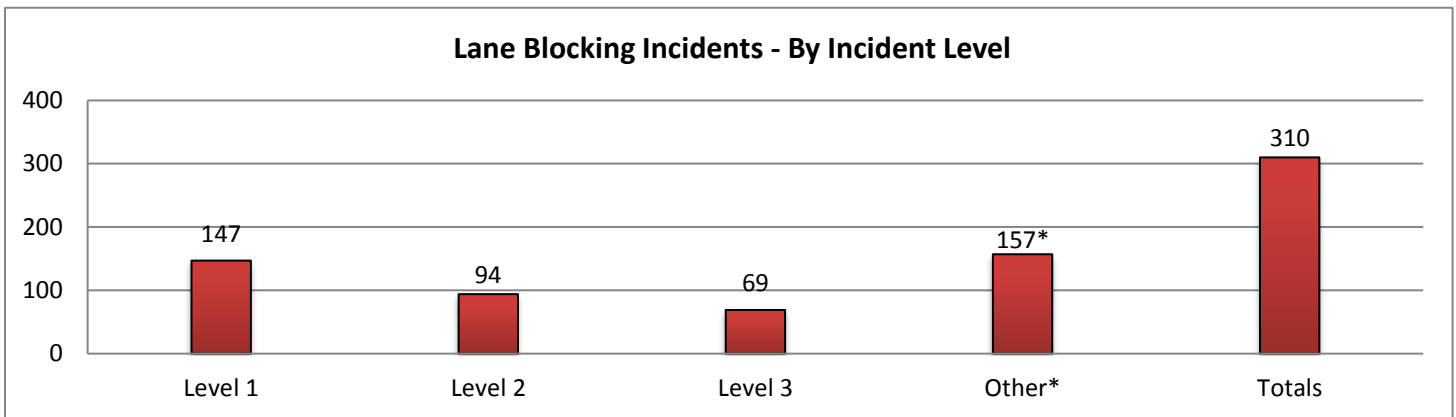


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	25	0:12	1:45	40	0:13	1:04	8	0:12	0:46	43	0:15	1:20
Level 2	11	0:56	1:39	24	1:03	1:25	11	1:05	1:53	31	0:58	1:13
Level 3	16	1:28	2:13	15	2:06	2:27	8	2:19	2:34	14	2:22	2:45
Other*	21*	7:58	8:05	4*	4:03	4:48	15*	5:14	5:20	68*	6:05	6:11
Totals	52	0:44	1:52	79	0:49	1:26	27	1:11	1:45	88	0:50	1:31

	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	30	0:12	1:09	0	0:00	0:00	1	0:31	0:34	147	0:13	1:15
Level 2	17	1:05	1:46	0	0:00	0:00	0	0:00	0:00	94	1:01	1:29
Level 3	10	2:54	3:08	6	2:57	3:20	0	0:00	0:00	69	2:13	2:38
Other*	46*	5:12	5:16	3*	0:00	0:00	0*	0:00	0:00	157*	5:49	5:56
Totals	57	0:56	1:40	6	2:57	3:20	1	0:31	0:34	310	0:54	1:38

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

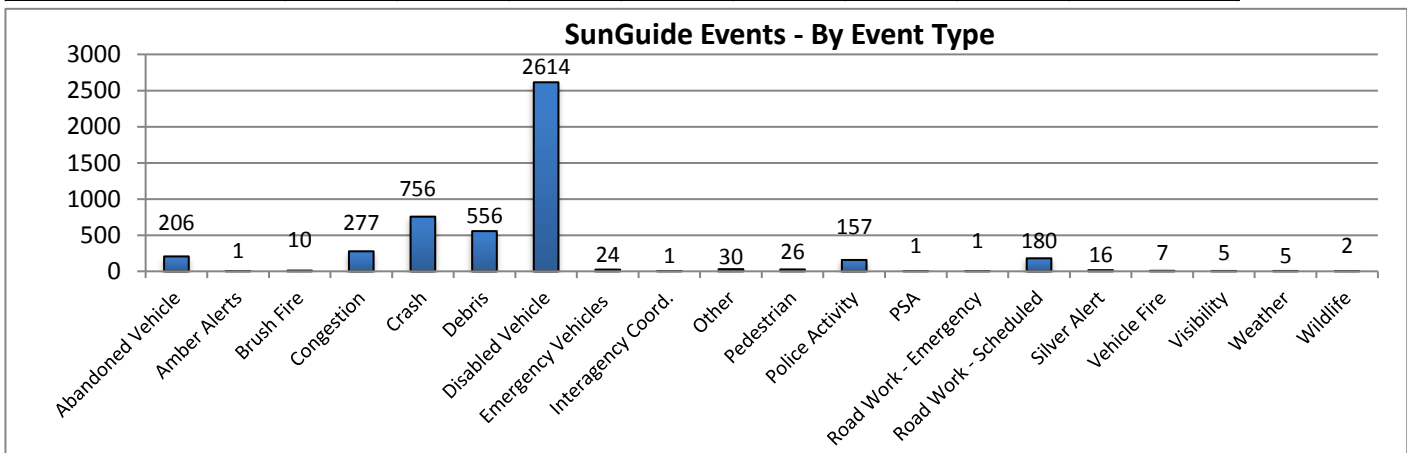




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	50	54	18	47	37	0	0	206
Amber Alerts	0	1	0	0	0	0	0	1
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	1	1	4	2	2	0	0	10
Congestion	32	51	4	73	117	0	0	277
Crash	71	184	39	232	223	7	0	756
Debris	66	123	84	164	118	0	1	556
Disabled Vehicle	871	756	214	430	338	0	5	2614
Emergency Vehicles	1	7	4	9	3	0	0	24
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	0	0	0	0	0	0	1	1
LEO Alerts	0	0	0	0	0	0	0	0
Other	4	16	5	3	0	1	1	30
Pedestrian	4	6	2	7	7	0	0	26
Police Activity	66	51	24	9	7	0	0	157
PSA	0	0	0	0	1	0	0	1
Road Work - Emergency	0	0	0	1	0	0	0	1
Road Work - Scheduled	25	4	28	71	49	3	0	180
Silver Alert	0	16	0	0	0	0	0	16
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	2	3	0	0	1	1	0	7
Visibility	2	1	0	1	1	0	0	5
Weather	2	1	2	0	0	0	0	5
Wildlife	2	0	0	0	0	0	0	2
Total Incidents	1199	1275	428	1049	904	12	8	4875

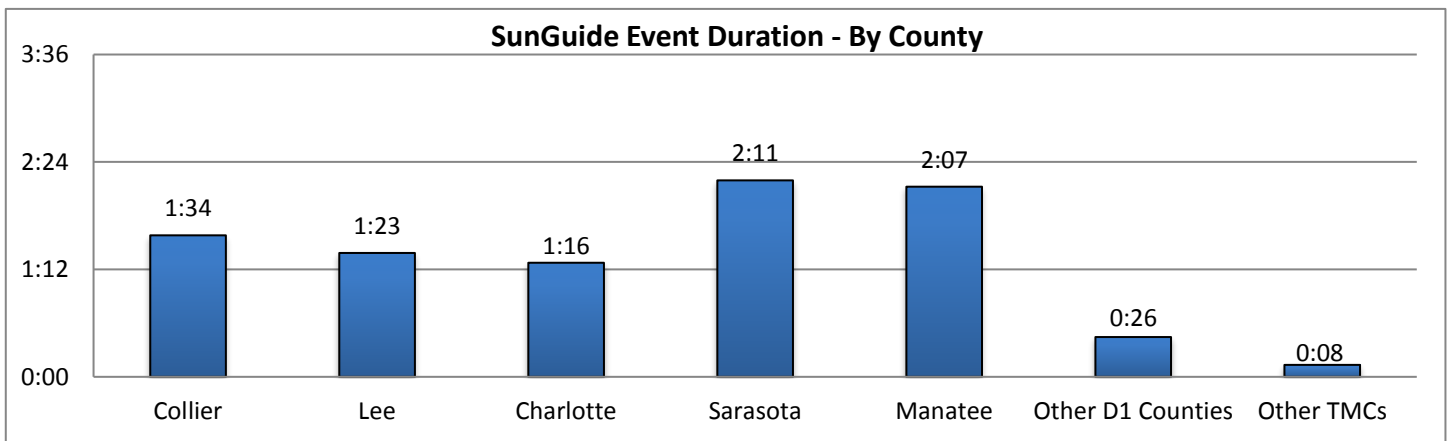
Note: Incident categories that are listed as zero are not included in the chart below.





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	13:21	9:42	7:36	12:52	8:19	0:00	0:00	10:52
Amber Alerts	0:00	6:25	0:00	0:00	0:00	0:00	0:00	6:25
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	0:10	0:15	0:16	0:15	0:19	0:00	0:00	0:15
Congestion	0:55	0:55	0:44	1:20	1:25	0:00	0:00	1:14
Crash	1:23	1:10	1:16	1:20	1:34	0:19	0:00	1:21
Debris	0:16	0:15	0:20	0:26	0:19	0:00	0:07	0:19
Disabled Vehicle	1:00	1:03	1:02	1:47	1:40	0:00	0:03	1:13
Emergency Vehicles	0:07	0:29	2:30	0:41	0:53	0:00	0:00	0:55
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	0:00	0:00	0:34	0:34
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:57	0:47	0:10	0:08	0:00	0:02	0:05	0:35
Pedestrian	0:34	0:21	0:19	0:56	0:16	0:00	0:00	0:30
Police Activity	0:22	0:36	0:29	0:43	0:53	0:00	0:00	0:30
PSA	0:00	0:00	0:00	0:00	226:04	0:00	0:00	226:04
Road Work - Emergency	0:00	0:00	0:00	0:56	0:00	0:00	0:00	0:56
Road Work - Scheduled	6:48	2:17	2:53	6:02	5:16	0:12	0:00	5:15
Silver Alert	0:00	5:26	0:00	0:00	0:00	0:00	0:00	5:26
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	2:21	0:35	0:00	0:00	0:49	2:24	0:00	1:22
Visibility	0:25	0:02	0:00	3:12	0:02	0:00	0:00	0:49
Weather	1:24	1:09	1:07	0:00	0:00	0:00	0:00	1:14
Wildlife	1:12	0:00	0:00	0:00	0:00	0:00	0:00	1:12
Total Incidents	1:34	1:23	1:16	2:11	2:07	0:26	0:08	1:43





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
2473	364	7	2:44

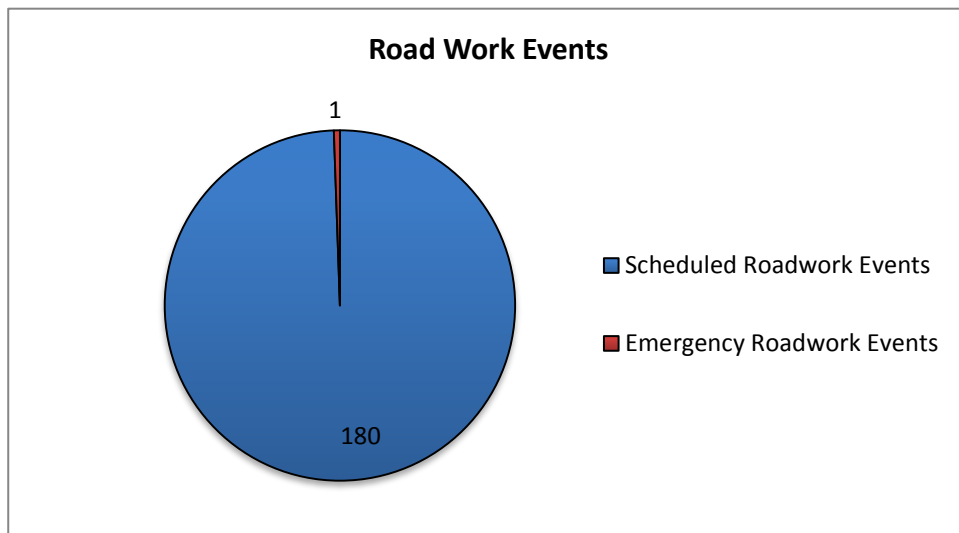
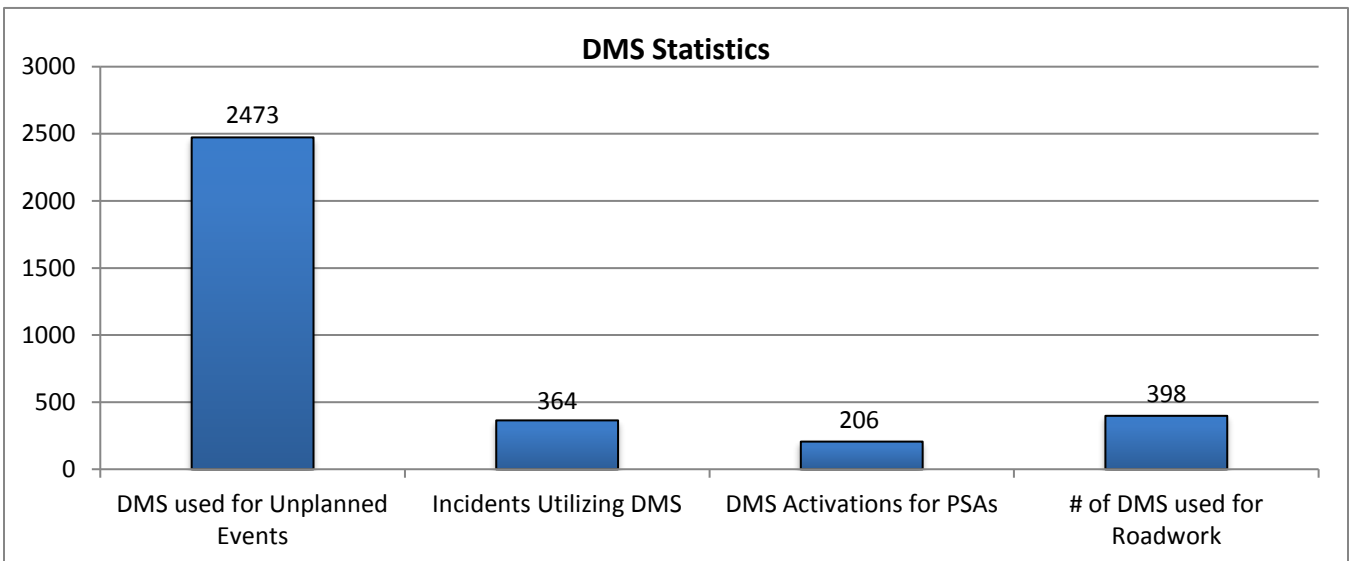
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
206

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
180	1	181
# DMS Used for Road Work		Average # of DMS/Pattern
398		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	2	Mile <49	0
Mile 49-79.9	188	Mile 49-79.9	214
Mile 80-100.9	225	Mile 80-100.9	202
Mile 101-104.9	35	Mile 101-104.9	27
Mile 105-106.9	33	Mile 105-106.9	27
Mile 107-110.9	50	Mile 107-110.9	70
Mile 111-115.9	72	Mile 111-115.9	42
Mile 116-122.9	113	Mile 116-122.9	133
Mile 123-127.9	114	Mile 123-127.9	78
Mile 128-130.9	59	Mile 128-130.9	46
Mile 131-135.9	87	Mile 131-135.9	90
Mile 136 -137.9	28	Mile 136 -137.9	29
Mile 138 -138.9	41	Mile 138 -138.9	15
Mile 139 - 140.9	64	Mile 139 - 140.9	23
Mile 141 - 142.9	42	Mile 141 - 142.9	29
Mile 143 - 157.9	170	Mile 143 - 157.9	126
Mile 158 - 160.9	30	Mile 158 - 160.9	25
Mile 161 - 163.9	26	Mile 161 - 163.9	31
Mile 164 - 166.9	23	Mile 164 - 166.9	30
Mile 167 -169.9	30	Mile 167 -169.9	26
Mile 170 - 178.9	35	Mile 170 - 178.9	56
Mile 179 - 181.9	14	Mile 179 - 181.9	17
Mile 182 - 190.9	70	Mile 182 - 190.9	91
Mile 191 - 192.9	28	Mile 191 - 192.9	32
Mile 193 - 194.9	21	Mile 193 - 194.9	18
Mile 195 -199.9	50	Mile 195 -199.9	40
Mile 200 - 204.9	66	Mile 200 - 204.9	65
Mile 205 - 206.9	57	Mile 205 - 206.9	42
Mile 207 - 209.9	55	Mile 207 - 209.9	46
Mile 210 -212.9	80	Mile 210 -212.9	57
Mile 213 - 216.9	121	Mile 213 - 216.9	113
Mile 217 - 219.9	75	Mile 217 - 219.9	70
Mile 220 - 223.9	84	Mile 220 - 223.9	85
Mile 224 -227.9	62	Mile 224 -227.9	64
Mile 228 - 228.9	23	Mile 228 - 228.9	8
Mile 229 -229.9	1	Mile 229 -229.9	0
Mile 230 - 239.9	1	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
North Total	2275	South Total	2067

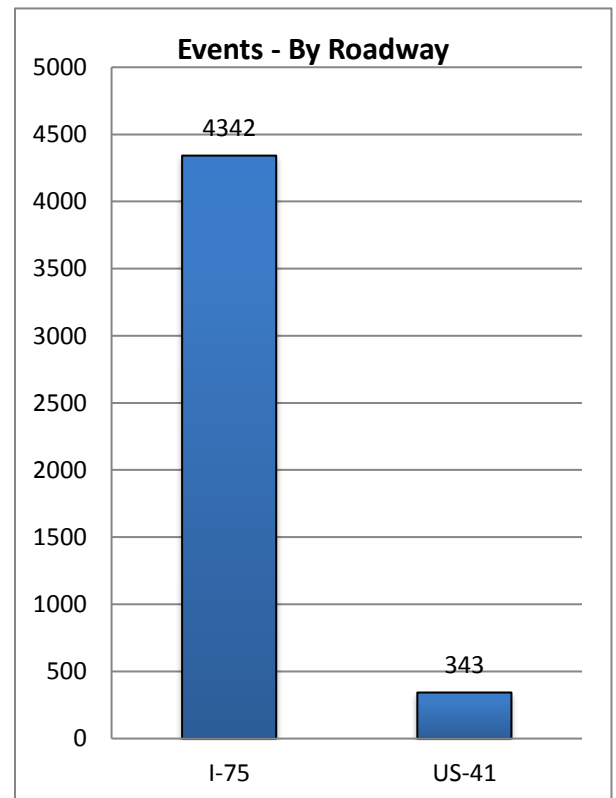
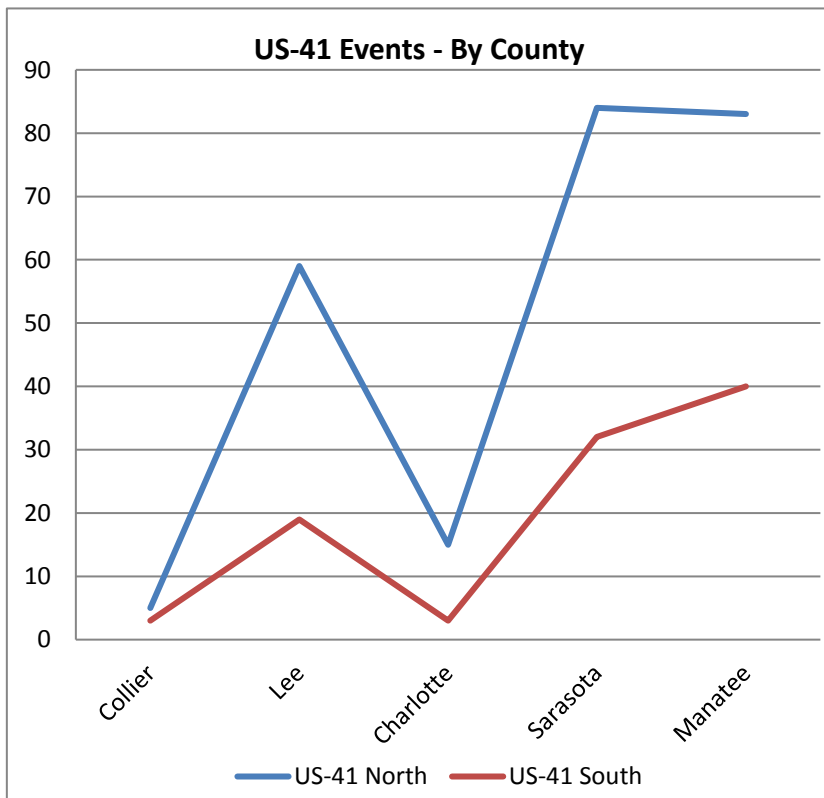
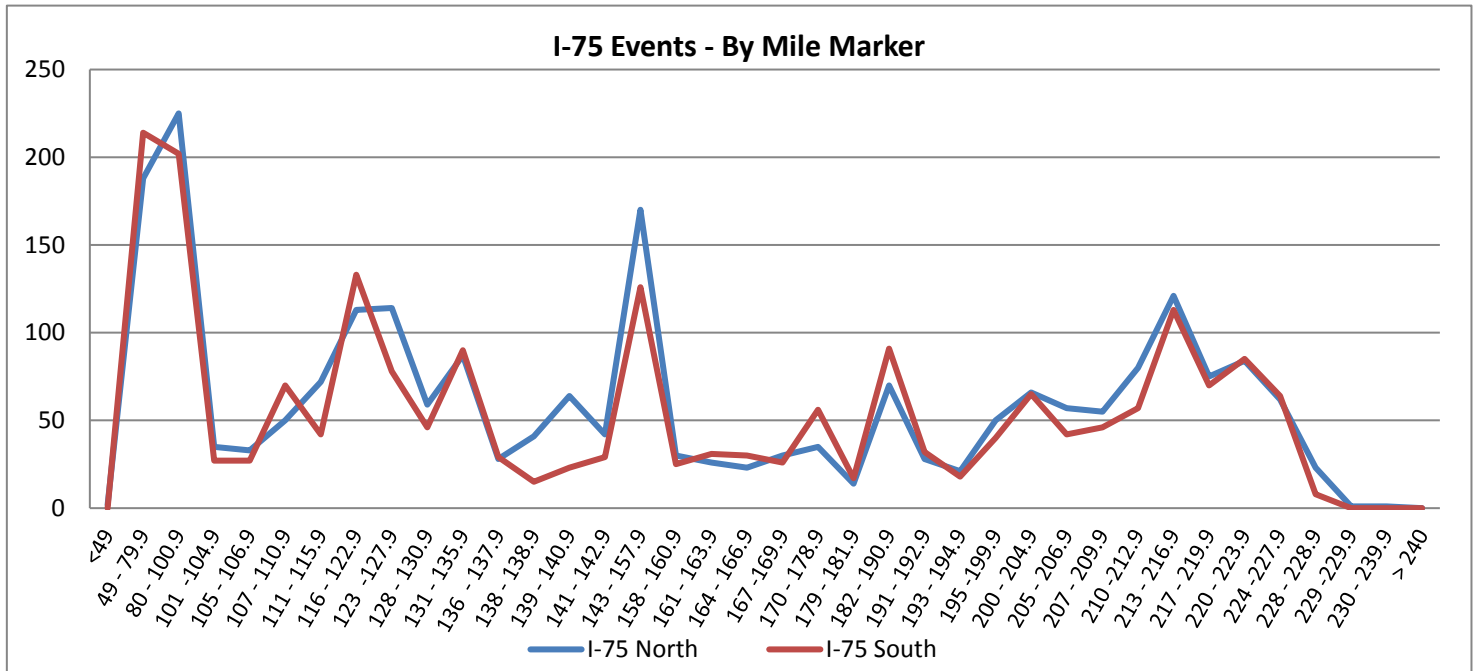
US-41 Northbound	
Collier	5
Lee	59
Charlotte	15
Sarasota	84
Manatee	83
North Total	246

US-41 Southbound	
Collier	3
Lee	19
Charlotte	3
Sarasota	32
Manatee	40
South Total	97

Total Events on US-41
343

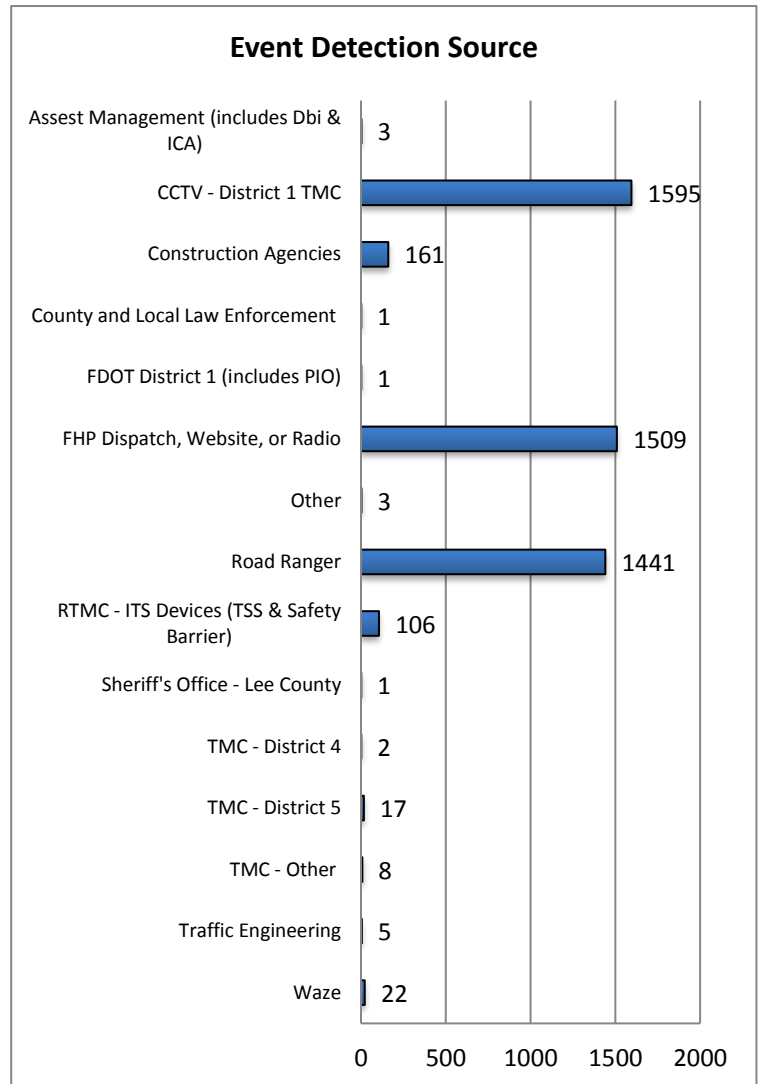
Total Events on I-75
4342

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	3	0.1%
CCTV - District 1 TMC	1595	32.7%
CCTV - Other	0	0.0%
Construction Agencies	161	3.3%
County and Local Law Enforcement	1	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)	1	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1509	31.0%
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	3	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1441	29.6%
RTMC - ITS Devices (TSS & Safety Barrier)	106	2.2%
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	0	0.0%
SW Florida Internantion Airport	0	0.0%
TMC - District 4	2	0.0%
TMC - District 5	17	0.3%
TMC - District 7	0	0.0%
TMC - Other	8	0.2%
Tow Truck Companies	0	0.0%
Traffic Engineering	5	0.1%
Waze	22	0.5%
Total Number of Incidents	4875	100.0%

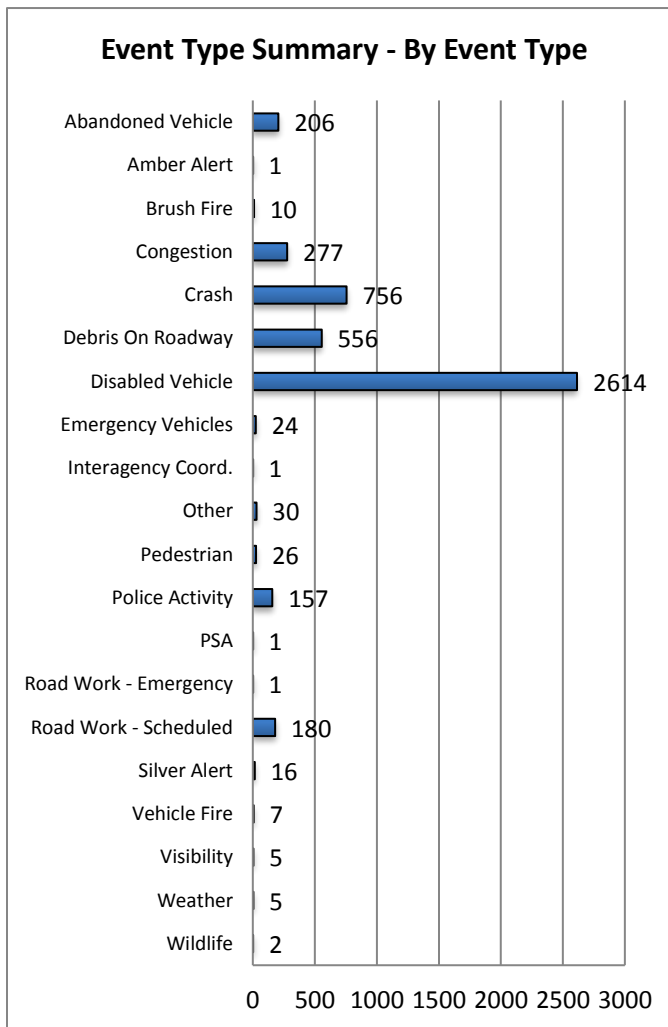


Note: Event Detection Source Categories listed as zero are not included in the above chart.



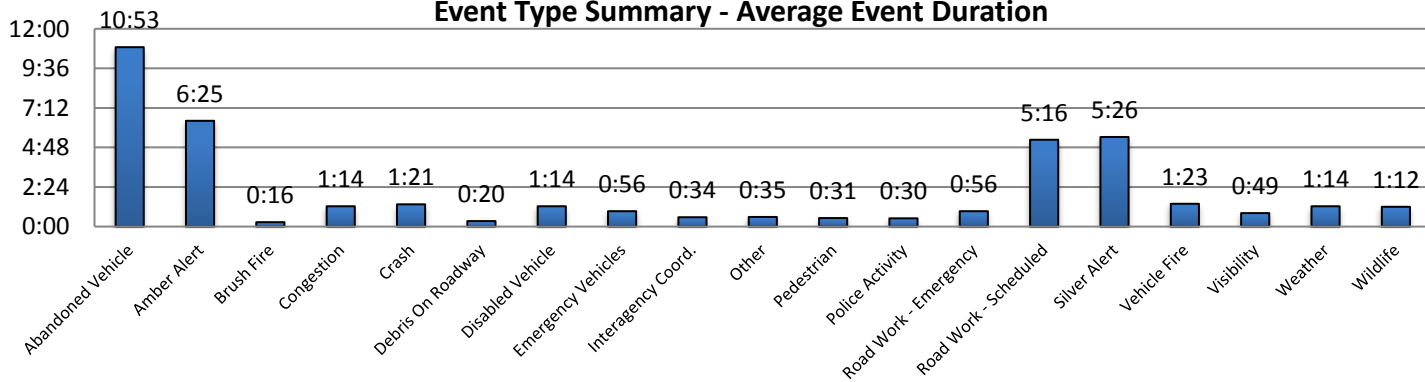
17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	206	3:39	10:53
Amber Alert	1	0:00	6:25
Bridge Work	0	0:00	0:00
Brush Fire	10	0:06	0:16
Congestion	277	0:00	1:14
Crash	756	0:54	1:21
Debris On Roadway	556	0:12	0:20
Disabled Vehicle	2614	0:20	1:14
Emergency Vehicles	24	0:42	0:56
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	1	0:00	0:34
LEO Alert	0	0:00	0:00
Other	30	0:10	0:35
Pedestrian	26	0:03	0:31
Police Activity	157	0:22	0:30
PSA	1	0:00	226:04
Road Work - Emergency	1	0:55	0:56
Road Work - Scheduled	180	0:05	5:16
Silver Alert	16	0:00	5:26
Special Event	0	0:00	0:00
Vehicle Fire	7	0:14	1:23
Visibility	5	0:00	0:49
Weather	5	0:00	1:14
Wildlife	2	0:22	1:12
Total Events	4875	0:37	2:09



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

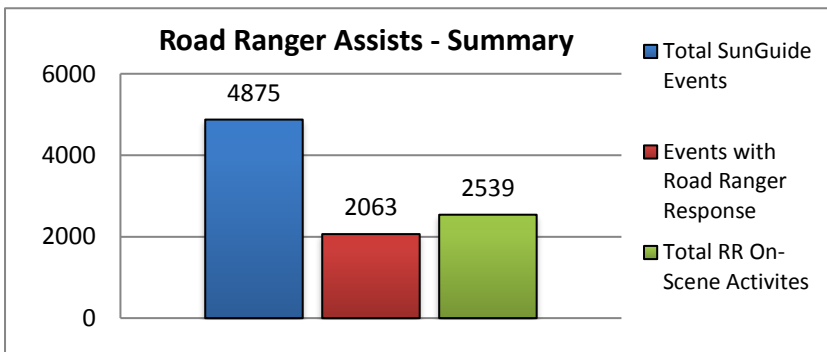
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

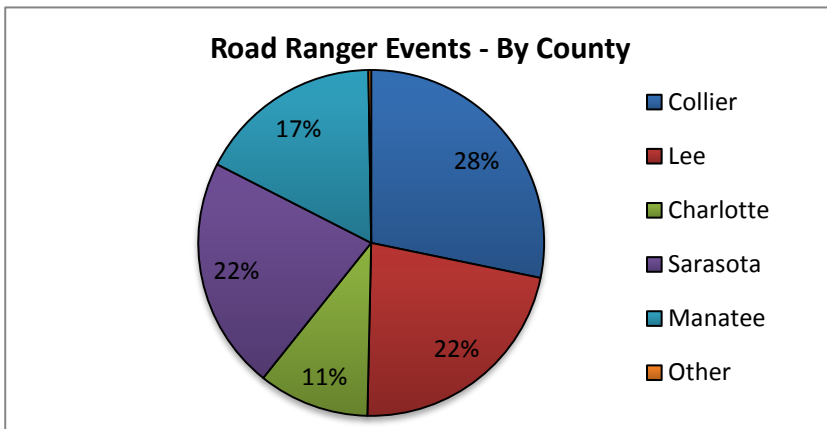
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4875
Events with Road Ranger Response	2063
Total RR On-Scene Activities	2539
Average Activities/Assisted Event	1.23
% of Events Assisted	42.32%



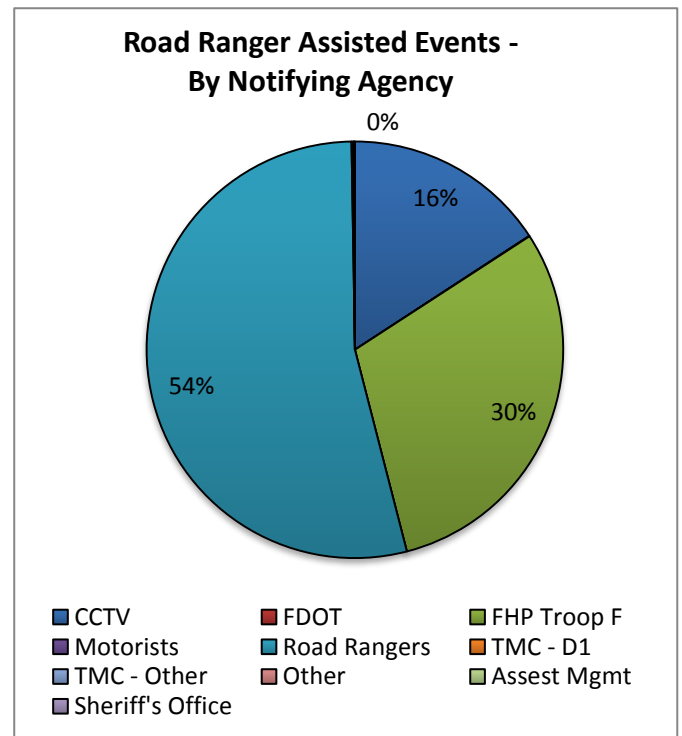
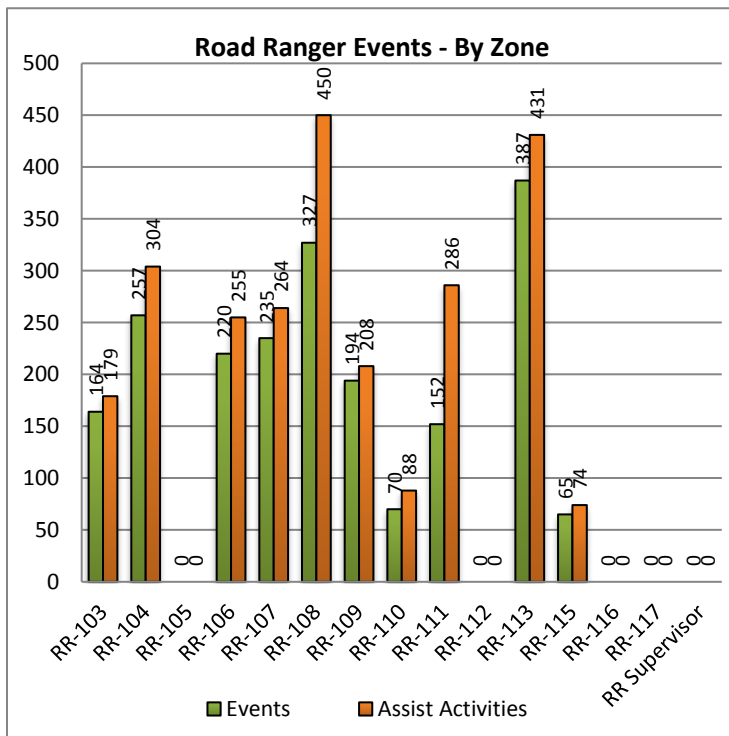
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	759
Lee	594
Charlotte	279
Sarasota	585
Manatee	463
Other	7
Totals	2687





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	164	179
RR-104	257	304
RR-105	0	0
RR-106	220	255
RR-107	235	264
RR-108	327	450
RR-109	194	208
RR-110	70	88
RR-111	152	286
RR-112	0	0
RR-113	387	431
RR-115	65	74
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2071	2539

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	423	15.7%
FDOT	1	0.0%
FHP Troop F	808	30.1%
Motorists	0	0.0%
Road Rangers	1440	53.6%
TMC - D1	4	0.1%
TMC - Other	1	0.0%
Other	0	0.0%
Assest Mgmt	2	0.1%
Sheriff's Office	0	0.0%
Waze	8	0.3%
Totals	2687	100.0%

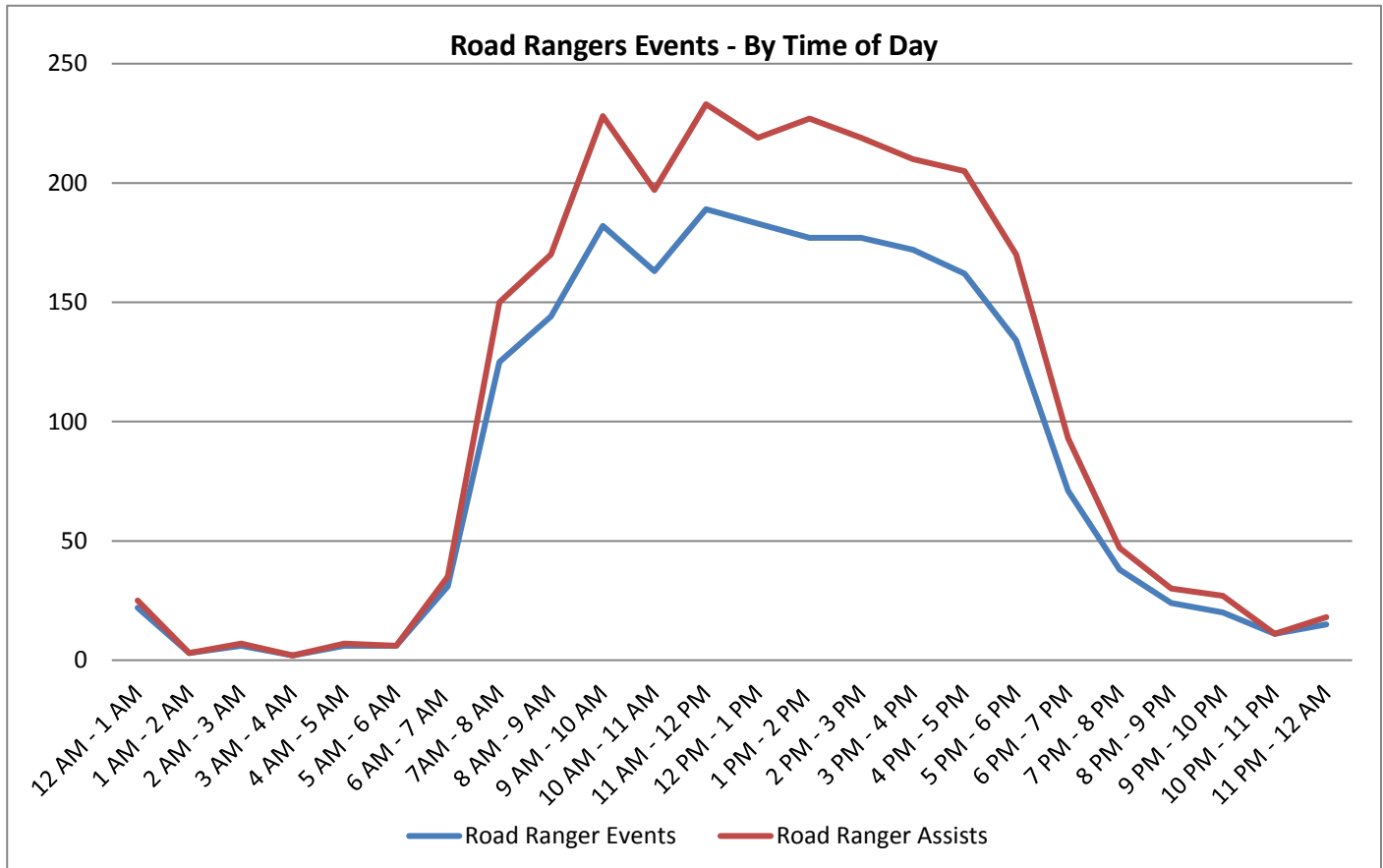




**22. Road Ranger Assisted Events -
By Time of Day:**

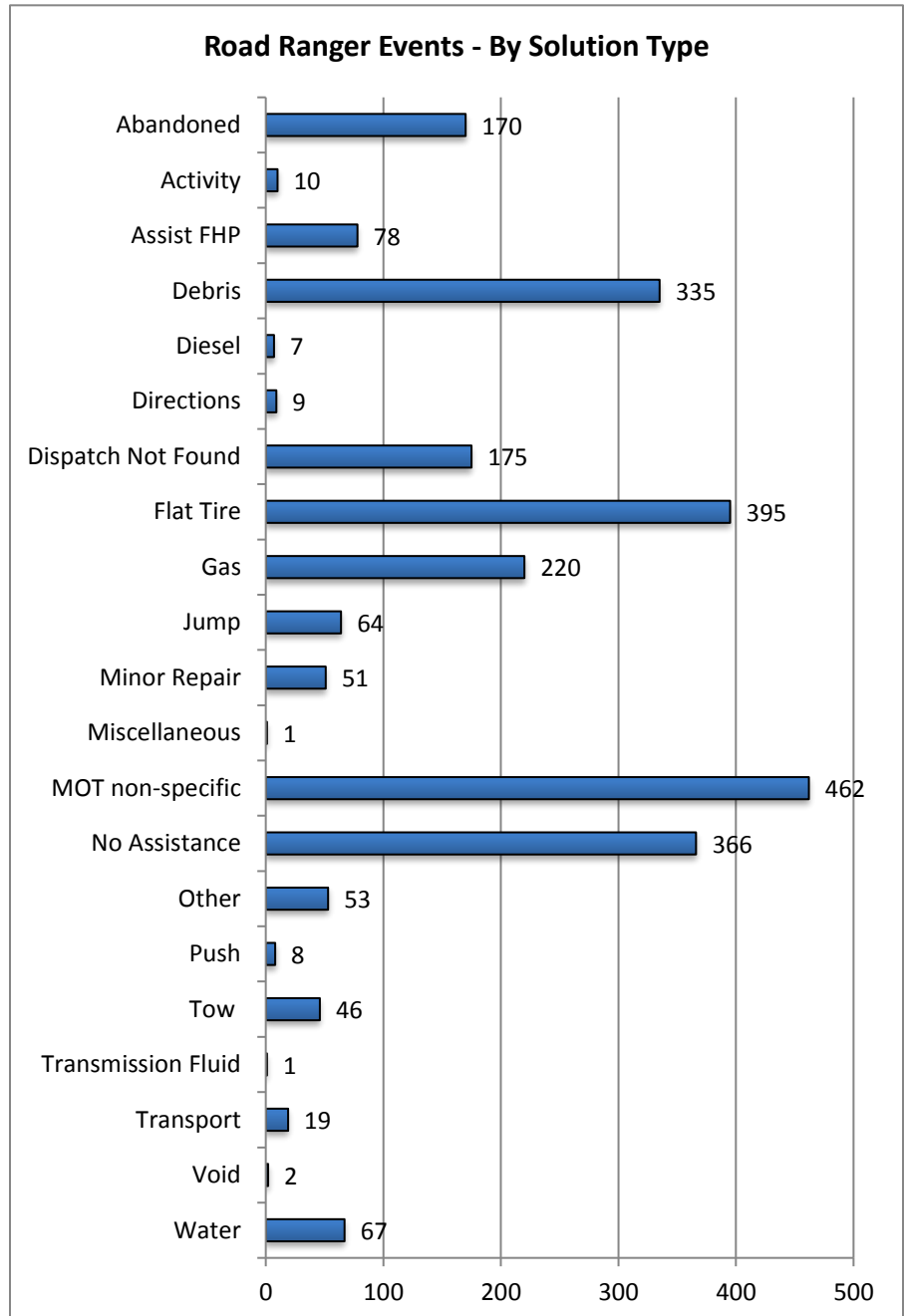
Time of Day	RR Events	RR Assists
12 AM - 1 AM	22	25
1 AM - 2 AM	3	3
2 AM - 3 AM	6	7
3 AM - 4 AM	2	2
4 AM - 5 AM	6	7
5 AM - 6 AM	6	6
6 AM - 7 AM	31	35
7 AM - 8 AM	125	150
8 AM - 9 AM	144	170
9 AM - 10 AM	182	228
10 AM - 11 AM	163	197
11 AM - 12 PM	189	233

Time of Day	RR Events	RR Assists
12 PM - 1 PM	183	219
1 PM - 2 PM	177	227
2 PM - 3 PM	177	219
3 PM - 4 PM	172	210
4 PM - 5 PM	162	205
5 PM - 6 PM	134	170
6 PM - 7 PM	71	93
7 PM - 8 PM	38	47
8 PM - 9 PM	24	30
9 PM - 10 PM	20	27
10 PM - 11 PM	11	11
11 PM - 12 AM	15	18
Totals	2063	2539





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	170
Absorbant	0
Activity	10
Assist FHP	78
Bleach	0
Cold Patch Asphalt	0
Debris	335
Deploy Cones	0
Diesel	7
Directions	9
Dispatch Not Found	175
Flare	0
Flat Tire	395
Flood Lamp	0
Gas	220
Jump	64
Livestock	0
Lockout	0
Minor Repair	51
Miscellaneous	1
MOT non-specific	462
No Assistance	366
Oil	0
Other	53
Phone	0
Portland Cement	0
Push	8
Radio	0
Tow	46
Translate	0
Transmission Fluid	1
Transport	19
Turbo Flare	0
Unsuccessful Repair	0
Void	2
Water	67
Wildlife	0
Total Assist Activities	2539



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