



This is the FDOT District 1 Swift SunGuide Center Monthly Operations Report, for May 2014. 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:	
	4130

2. Number of Lane Blocking Events:	
	242

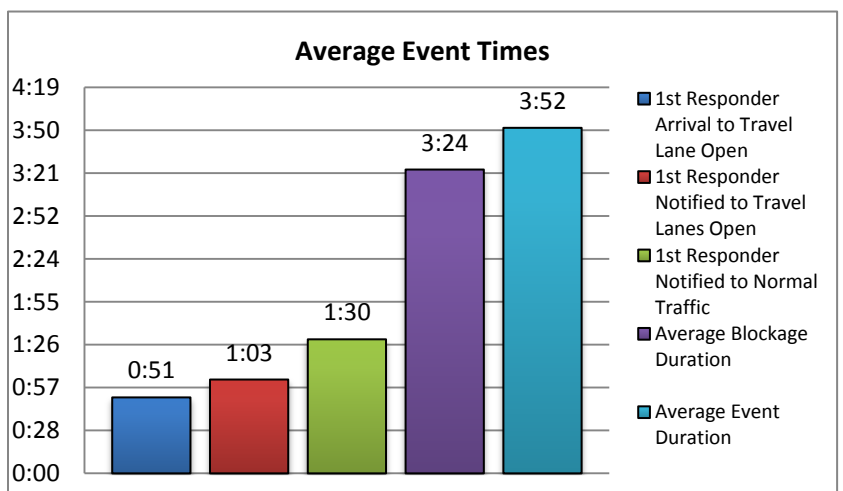
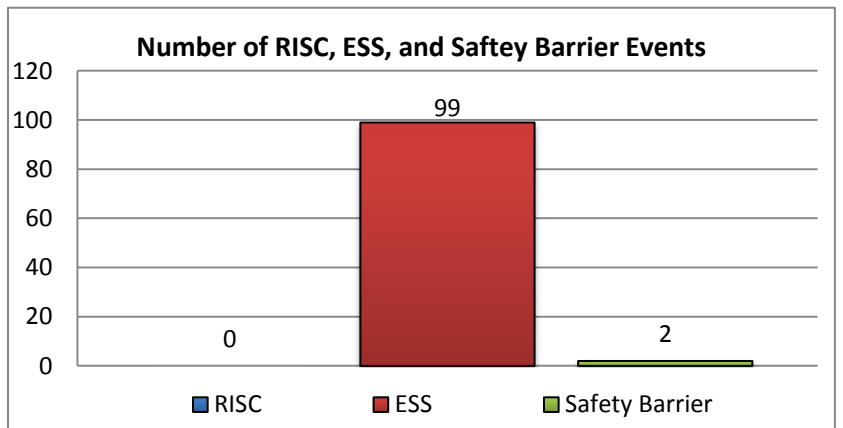
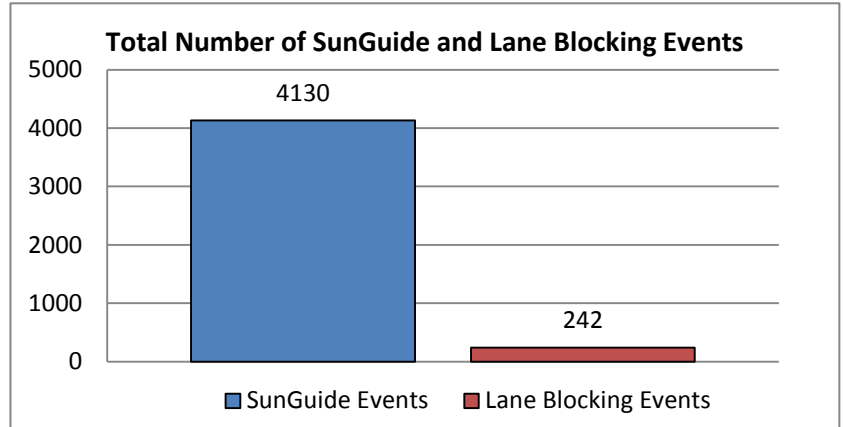
3. Number of RISC Events:	
	0

4. Number of ESS Events:	
	99

5. Events from a Safety Barrier Alert:	
	2

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	1:30

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4130
Number of Lane Blocking Events	242
Number of Secondary Incidents	26
Average Blockage Duration	3:24
Average Event Duration	3:52



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.



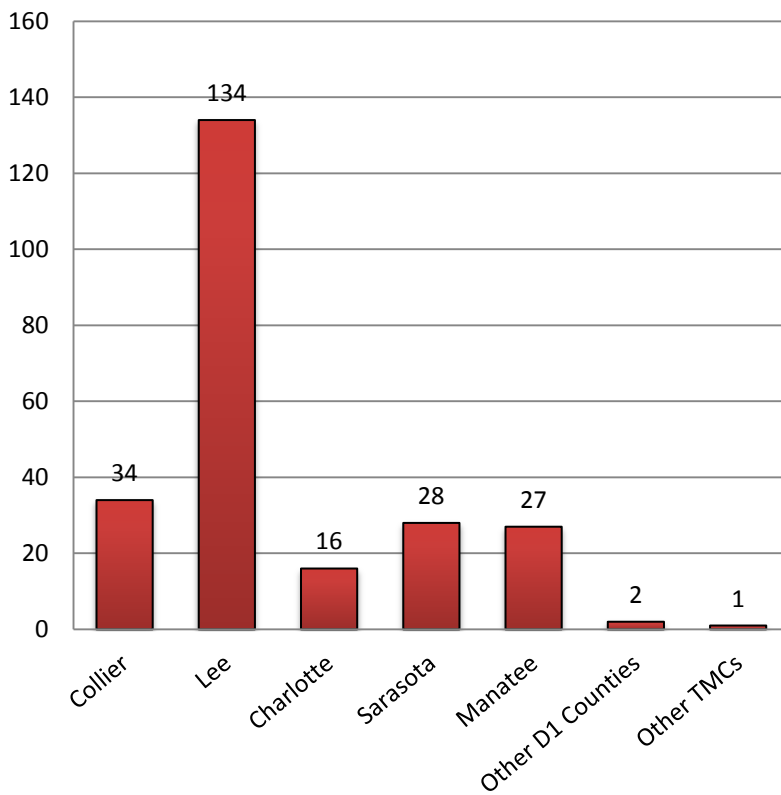
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	28	83	14	18	10	-
US-41	3	36	2	10	17	-
I-275	-	-	-	-	0	-
Arterials	3	15	0	0	0	2
Total Incidents	34	134	16	28	27	2

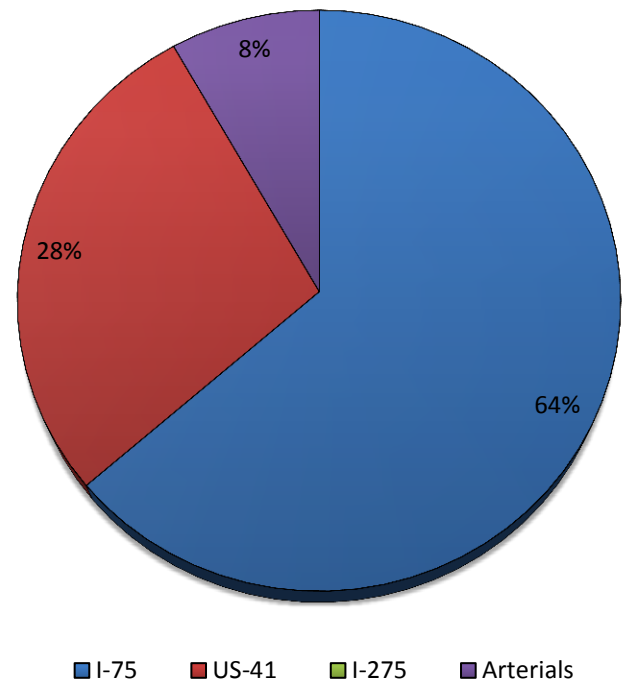
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	1	-	154
US-41	0	0	-	-	68
I-275	0	-	-	-	0
Arterials	0	0	0	0	20
Total Incidents	0	0	1	0	242

*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



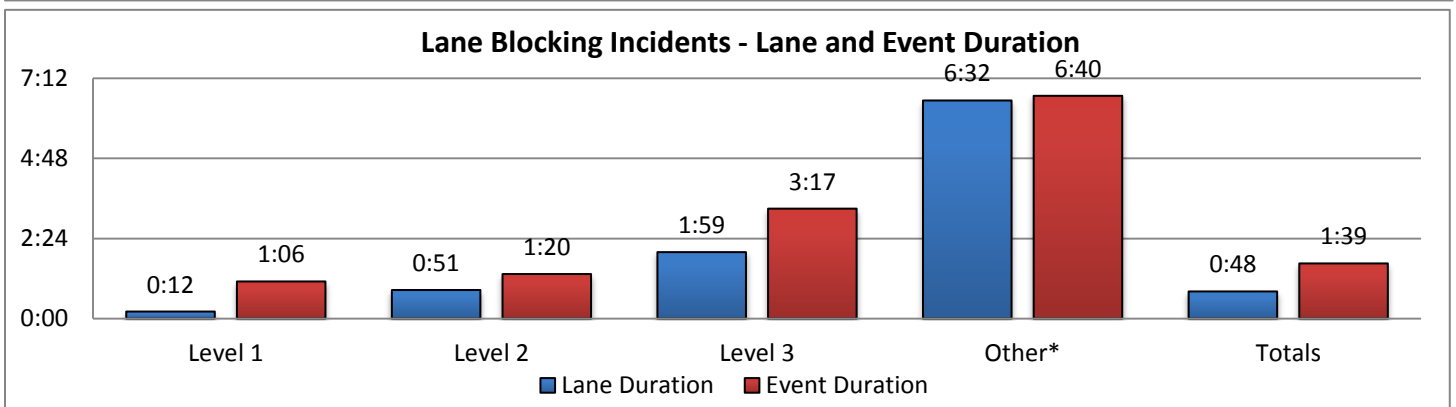
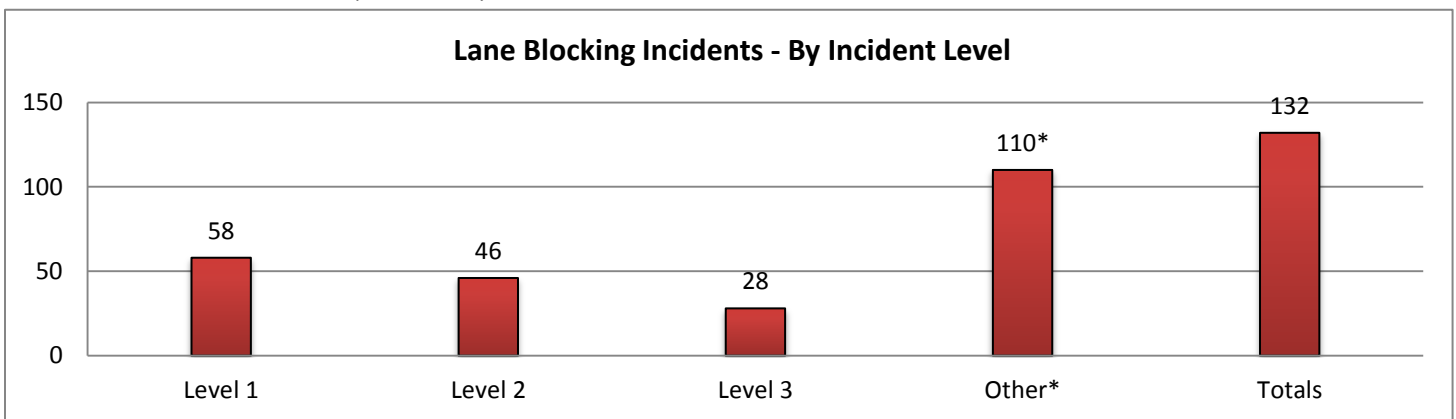


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	14	0:13	0:57	14	0:12	0:42	10	0:08	1:34	11	0:15	1:38
Level 2	4	0:54	1:23	16	0:53	1:23	4	0:50	0:58	11	0:46	1:17
Level 3	14	1:36	3:38	3	1:00	1:20	1	0:30	0:57	6	3:08	3:52
Other*	2*	0:53	3:01	101*	6:48	6:54	1*	3:58	4:09	0*	0:00	0:00
Totals	32	0:54	2:10	33	0:36	1:05	15	0:20	1:21	28	1:04	1:58

	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	8	0:17	0:57	0	0:00	0:00	1	0:05	0:13	58	0:12	1:06
Level 2	11	0:54	1:26	0	0:00	0:00	0	0:00	0:00	46	0:51	1:20
Level 3	2	0:25	1:22	2	5:07	5:15	0	0:00	0:00	28	1:59	3:17
Other*	6*	4:24	4:32	0*	0:00	0:00	0*	0:00	0:00	110*	6:32	6:40
Totals	21	0:37	1:14	2	5:07	5:15	1	0:05	0:13	132	0:48	1:39

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

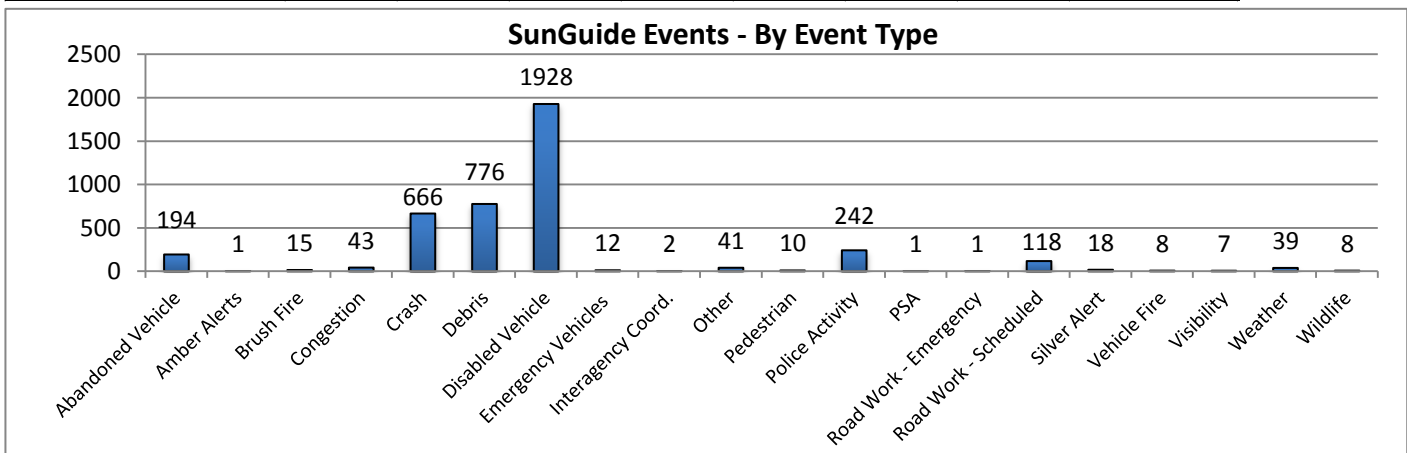




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	54	62	10	42	26	0	0	194
Amber Alerts	0	1	0	0	0	0	0	1
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	8	1	3	2	0	1	0	15
Congestion	10	10	3	16	4	0	0	43
Crash	66	149	30	212	205	4	0	666
Debris	162	157	151	188	117	1	0	776
Disabled Vehicle	680	560	226	254	204	0	4	1928
Emergency Vehicles	8	1	1	1	1	0	0	12
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	0	1	0	0	1	0	0	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	3	12	6	11	9	0	0	41
Pedestrian	2	0	0	1	7	0	0	10
Police Activity	74	135	32	1	0	0	0	242
PSA	0	1	0	0	0	0	0	1
Road Work - Emergency	0	0	0	1	0	0	0	1
Road Work - Scheduled	3	100	5	0	10	0	0	118
Silver Alert	0	18	0	0	0	0	0	18
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	1	2	0	4	1	0	0	8
Visibility	6	1	0	0	0	0	0	7
Weather	14	14	10	1	0	0	0	39
Wildlife	5	2	0	0	1	0	0	8
Total Incidents	1096	1227	477	734	586	6	4	4130

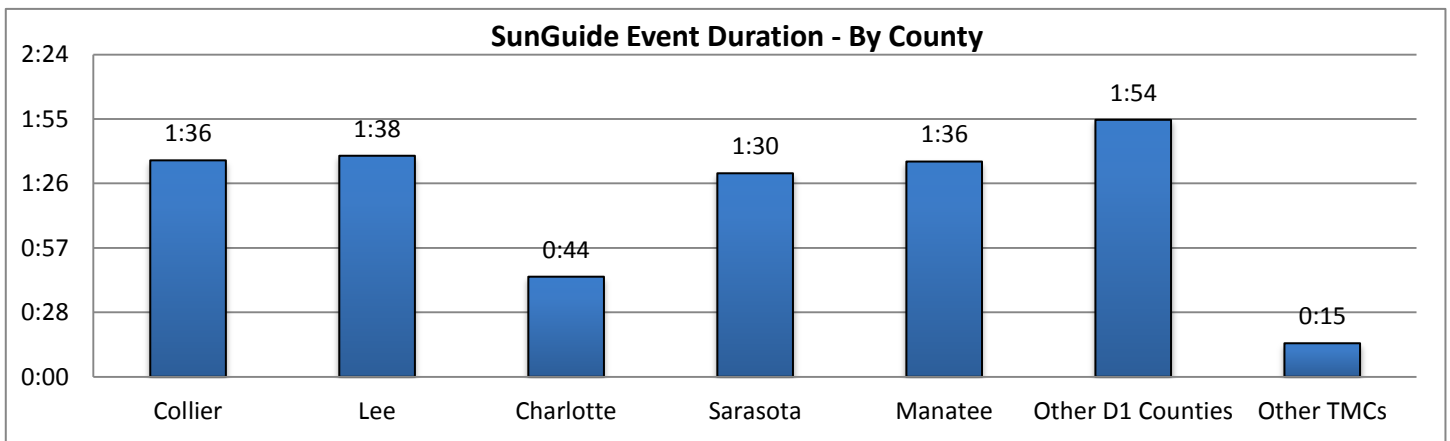
Note: Incident categories that are listed as zero are not included in the chart below.





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	15:15	7:38	4:15	10:10	10:39	0:00	0:00	10:31
Amber Alerts	0:00	3:33	0:00	0:00	0:00	0:00	0:00	3:33
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	12:30	0:27	1:08	2:10	0:00	0:15	0:00	7:13
Congestion	0:40	0:27	0:04	1:25	2:14	0:00	0:00	0:59
Crash	1:17	0:54	1:29	1:06	1:09	2:42	0:00	1:06
Debris	0:12	0:14	0:11	0:23	0:21	0:26	0:00	0:16
Disabled Vehicle	0:54	0:54	0:52	1:21	1:35	0:00	0:15	1:01
Emergency Vehicles	3:14	0:42	0:14	1:12	0:11	0:00	0:00	2:20
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	0:39	0:00	0:00	3:01	0:00	0:00	1:50
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:23	0:08	0:16	0:19	0:07	0:00	0:00	0:13
Pedestrian	0:04	0:00	0:00	0:08	0:19	0:00	0:00	0:14
Police Activity	0:20	0:25	0:18	0:15	0:00	0:00	0:00	0:22
PSA	0:00	15:13	0:00	0:00	0:00	0:00	0:00	15:13
Road Work - Emergency	0:00	0:00	0:00	1:36	0:00	0:00	0:00	1:36
Road Work - Scheduled	0:20	6:54	2:55	0:00	4:26	0:00	0:00	6:21
Silver Alert	0:00	3:56	0:00	0:00	0:00	0:00	0:00	3:56
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	0:05	0:59	0:00	0:30	1:09	0:00	0:00	0:39
Visibility	3:24	1:12	0:00	0:00	0:00	0:00	0:00	3:05
Weather	1:58	1:44	1:33	1:45	0:00	0:00	0:00	1:46
Wildlife	1:20	0:23	0:00	0:00	1:58	0:00	0:00	1:10
Total Incidents	1:36	1:38	0:44	1:30	1:36	1:54	0:15	1:30





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
1171	150	8	2:49

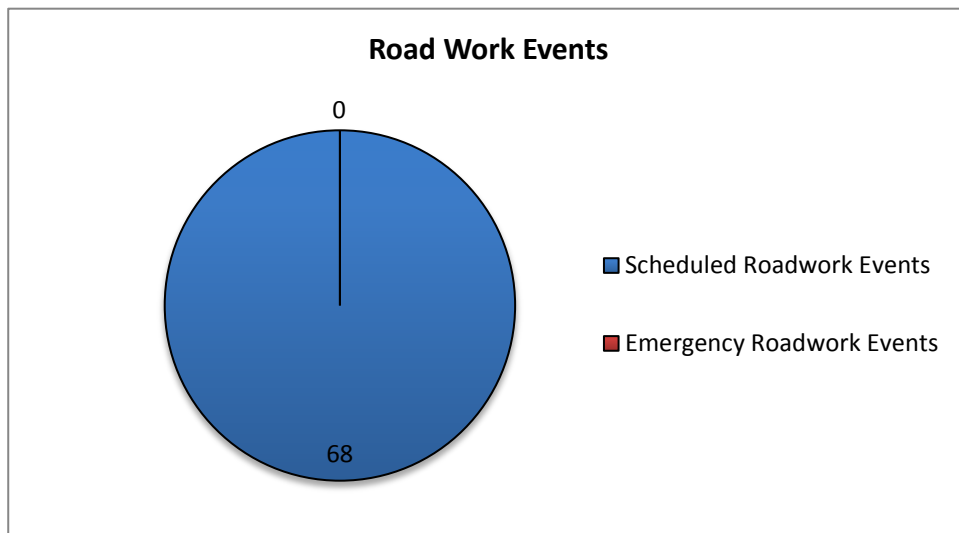
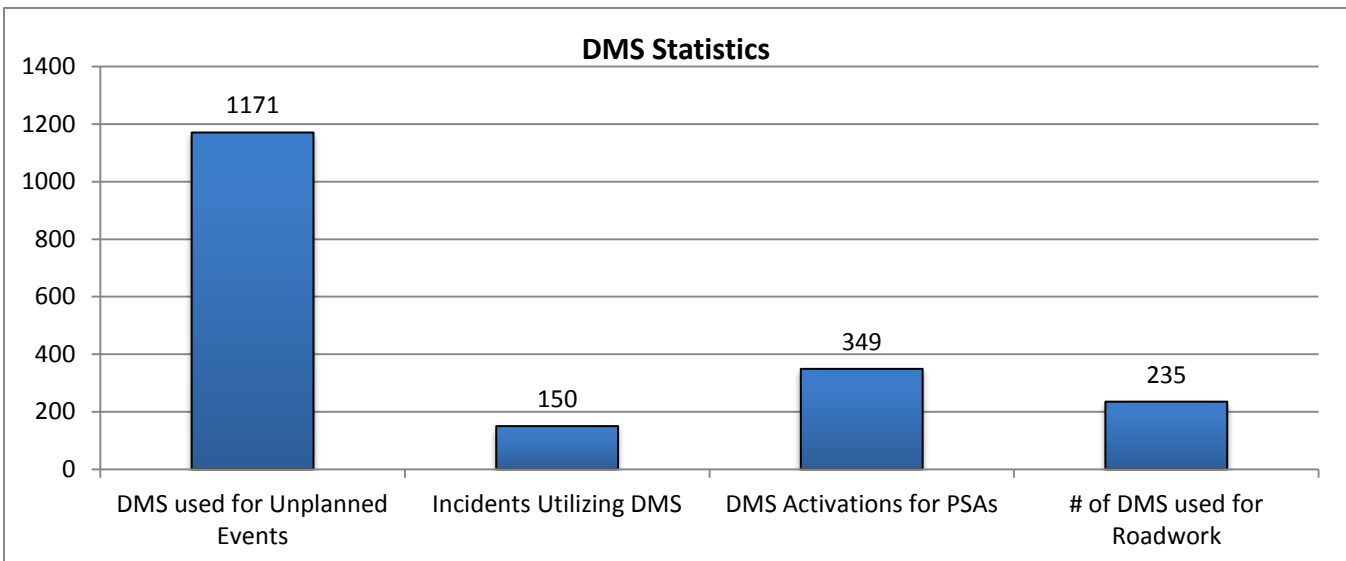
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
349

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
68	0	68
# DMS Used for Road Work		Average # of DMS/Pattern
235		3

* 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	0	Mile <49	0
Mile 49-79.9	171	Mile 49-79.9	232
Mile 80-100.9	164	Mile 80-100.9	105
Mile 101-104.9	31	Mile 101-104.9	26
Mile 105-106.9	22	Mile 105-106.9	57
Mile 107-110.9	83	Mile 107-110.9	65
Mile 111-115.9	72	Mile 111-115.9	43
Mile 116-122.9	143	Mile 116-122.9	127
Mile 123-127.9	86	Mile 123-127.9	72
Mile 128-130.9	58	Mile 128-130.9	54
Mile 131-135.9	106	Mile 131-135.9	59
Mile 136 -137.9	28	Mile 136 -137.9	32
Mile 138 -138.9	19	Mile 138 -138.9	20
Mile 139 - 140.9	31	Mile 139 - 140.9	31
Mile 141 - 142.9	32	Mile 141 - 142.9	20
Mile 143 - 157.9	152	Mile 143 - 157.9	155
Mile 158 - 160.9	32	Mile 158 - 160.9	26
Mile 161 - 163.9	36	Mile 161 - 163.9	28
Mile 164 - 166.9	27	Mile 164 - 166.9	34
Mile 167 -169.9	38	Mile 167 -169.9	28
Mile 170 - 178.9	61	Mile 170 - 178.9	57
Mile 179 - 181.9	12	Mile 179 - 181.9	22
Mile 182 - 190.9	65	Mile 182 - 190.9	56
Mile 191 - 192.9	21	Mile 191 - 192.9	23
Mile 193 - 194.9	14	Mile 193 - 194.9	11
Mile 195 -199.9	42	Mile 195 -199.9	19
Mile 200 - 204.9	40	Mile 200 - 204.9	43
Mile 205 - 206.9	18	Mile 205 - 206.9	18
Mile 207 - 209.9	20	Mile 207 - 209.9	28
Mile 210 -212.9	57	Mile 210 -212.9	34
Mile 213 - 216.9	48	Mile 213 - 216.9	43
Mile 217 - 219.9	44	Mile 217 - 219.9	52
Mile 220 - 223.9	61	Mile 220 - 223.9	42
Mile 224 -227.9	36	Mile 224 -227.9	51
Mile 228 - 228.9	16	Mile 228 - 228.9	10
Mile 229 -229.9	0	Mile 229 -229.9	4
Mile 230 - 239.9	4	Mile 230 - 239.9	3
> Mile 240	0	> Mile 240	0
North Total	1890	South Total	1730

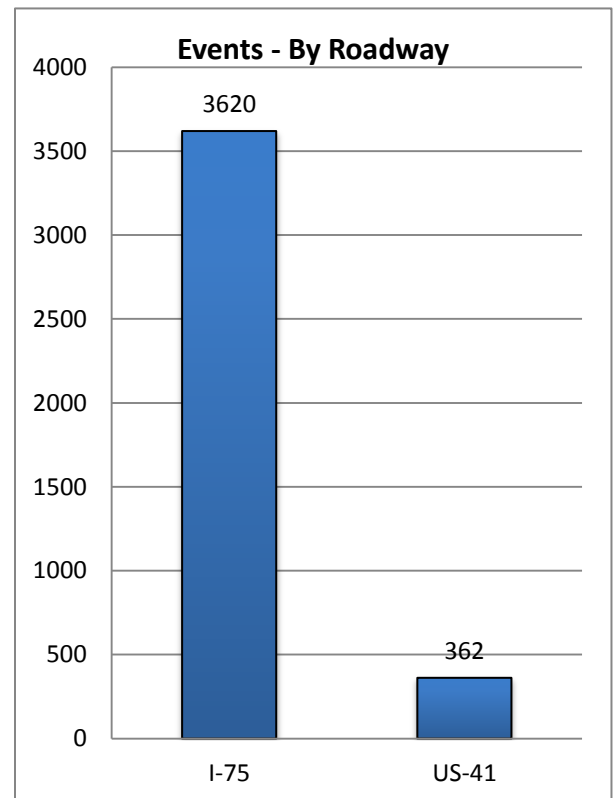
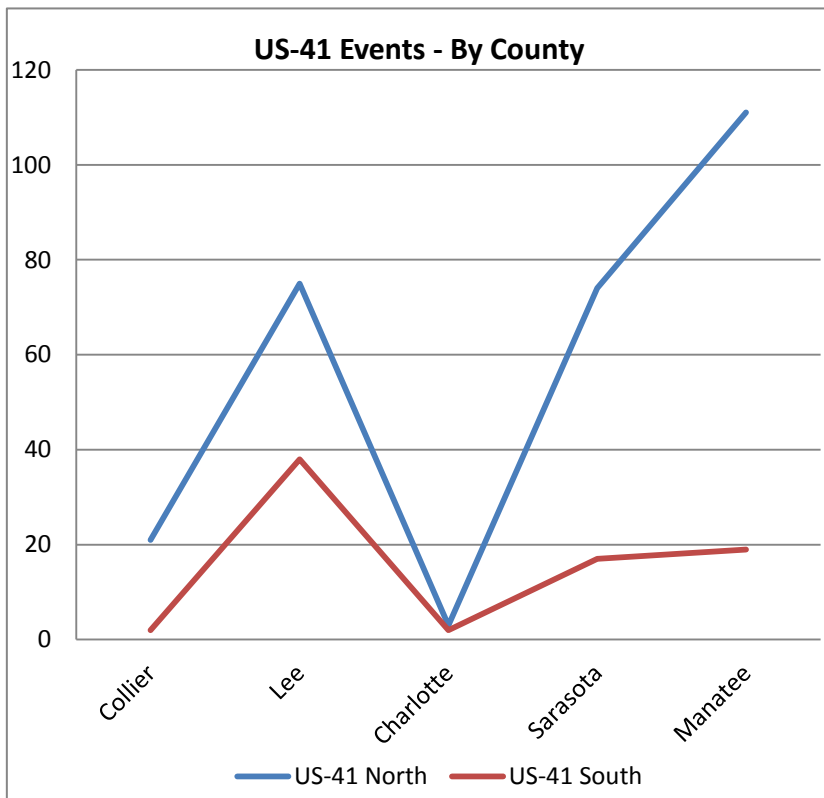
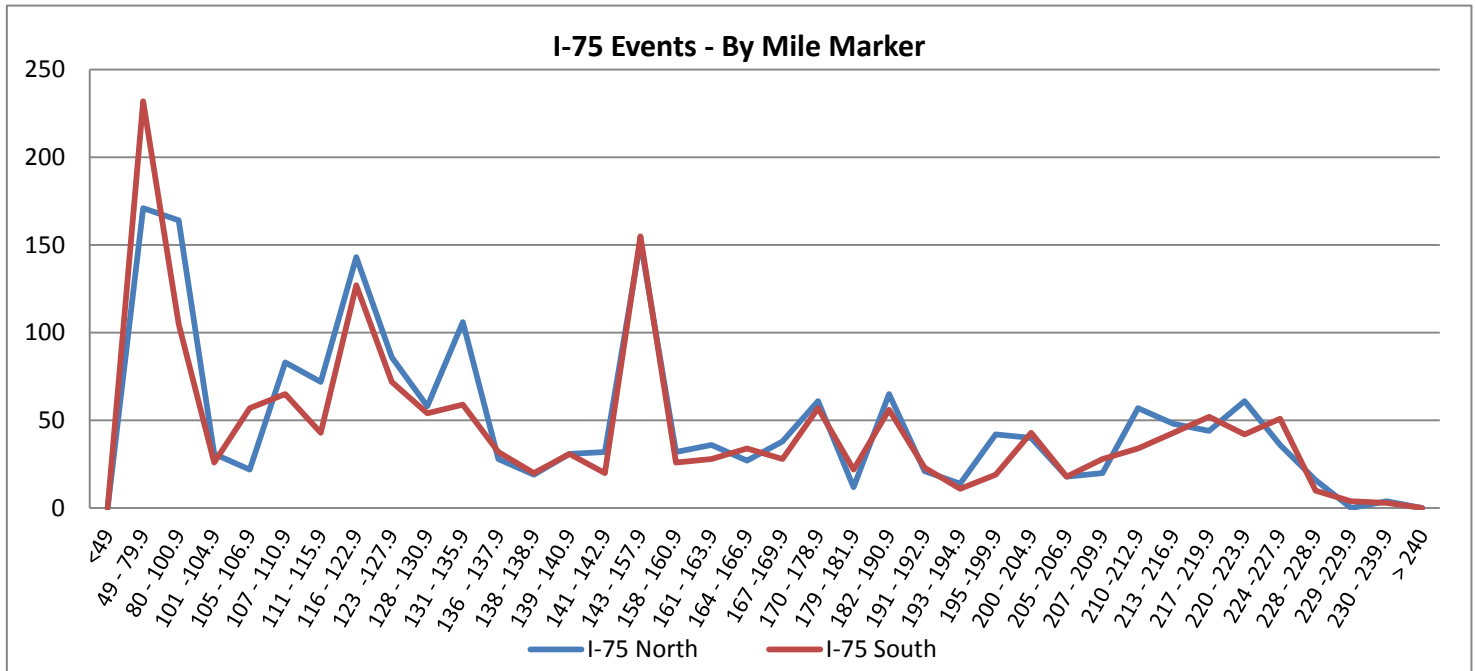
US-41 Northbound	
Collier	21
Lee	75
Charlotte	3
Sarasota	74
Manatee	111
North Total	284

US-41 Southbound	
Collier	2
Lee	38
Charlotte	2
Sarasota	17
Manatee	19
South Total	78

Total Events on US-41
362

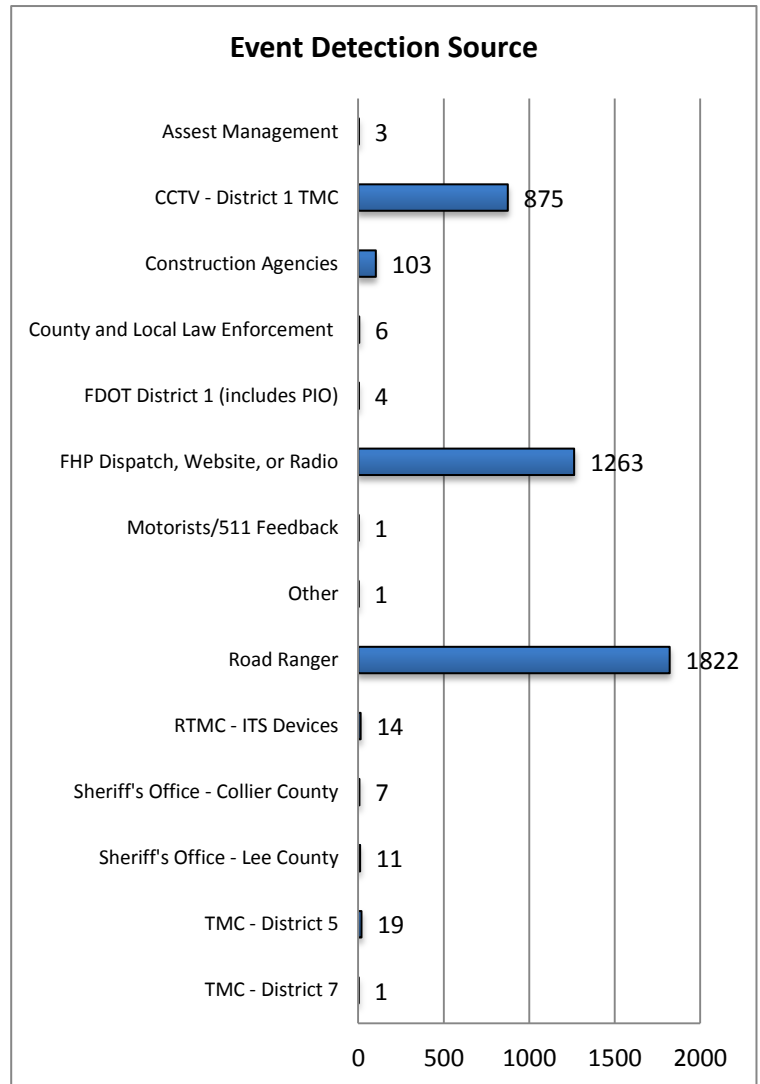
Total Events on I-75
3620

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





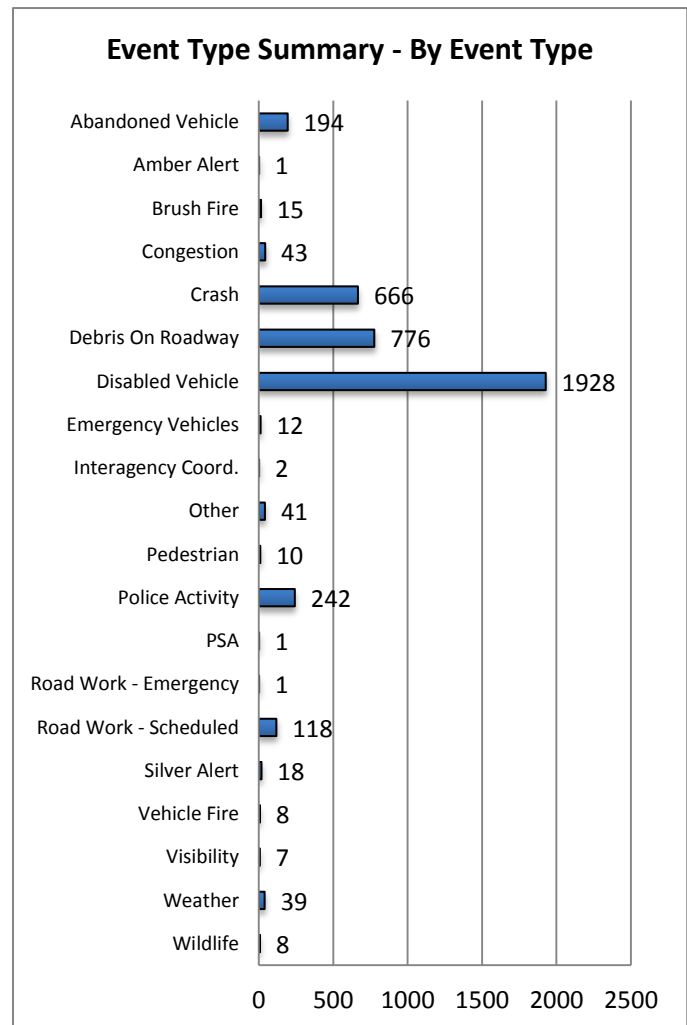
16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	3	0.1%
CCTV - District 1 TMC	875	21.2%
CCTV - Other	0	0.0%
Construction Agencies	103	2.5%
County and Local Law Enforcement	6	0.1%
Emergency Operations Center	0	0.0%
Emergency Operations Center-Lee	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	4	0.1%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1263	30.6%
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	1	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1822	44.1%
RTMC - ITS Devices (TSS & Safety Barrier)	14	0.3%
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	7	0.2%
Sheriff's Office - Lee County	11	0.3%
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	19	0.5%
TMC - District 7	1	0.0%
TMC - Other Districts	0	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	0	0.0%
Total Number of Incidents	4130	100.0%



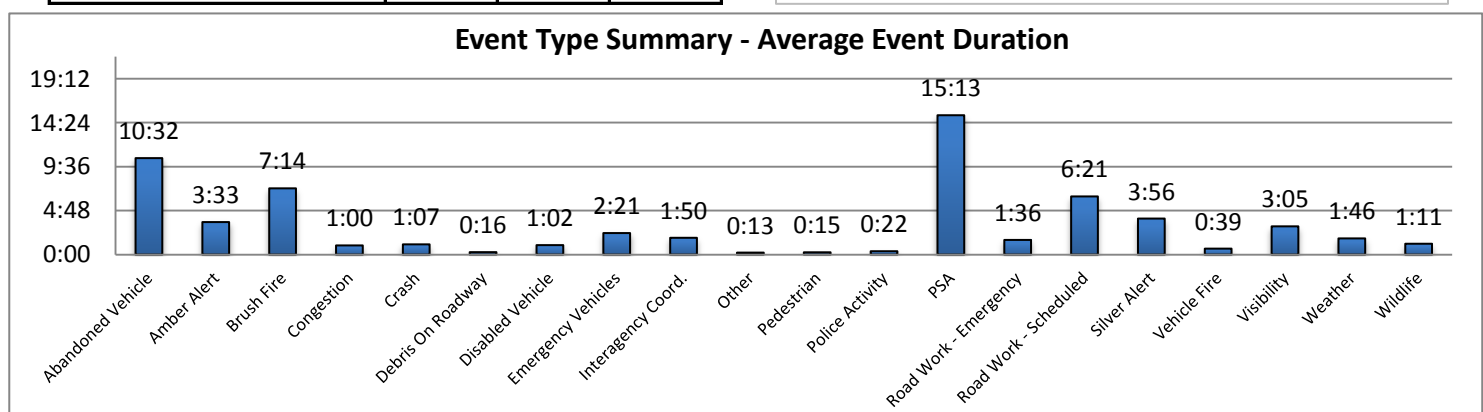
Note: Event Detection Source Categories listed as zero are not included in the above chart.



17. Event Type Summary			
Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	194	2:57	10:32
Amber Alert	1	0:00	3:33
Bridge Work	0	0:00	0:00
Brush Fire	15	4:23	7:14
Congestion	43	0:00	1:00
Crash	666	0:49	1:07
Debris On Roadway	776	0:11	0:16
Disabled Vehicle	1928	0:24	1:02
Emergency Vehicles	12	1:26	2:21
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	2	0:03	1:50
LEO Alert	0	0:00	0:00
Other	41	0:07	0:13
Pedestrian	10	0:02	0:15
Police Activity	242	0:17	0:22
PSA	1	0:00	15:13
Road Work - Emergency	1	0:00	1:36
Road Work - Scheduled	118	0:05	6:21
Silver Alert	18	0:00	3:56
Special Event	0	0:00	0:00
Vehicle Fire	8	0:20	0:39
Visibility	7	0:00	3:05
Weather	39	0:00	1:46
Wildlife	8	1:03	1:11
Total Events	4130	12:07	63:32



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

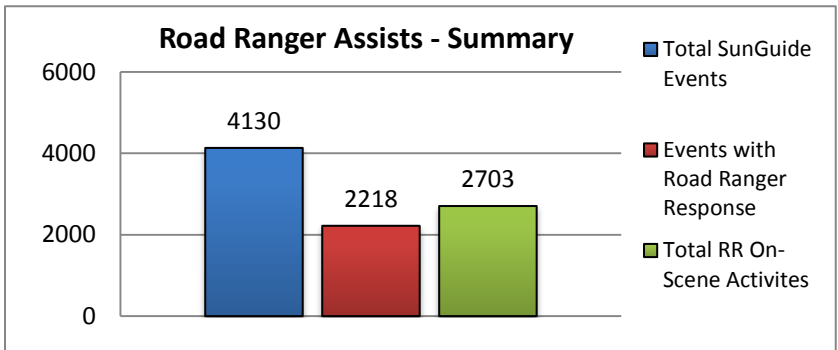
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

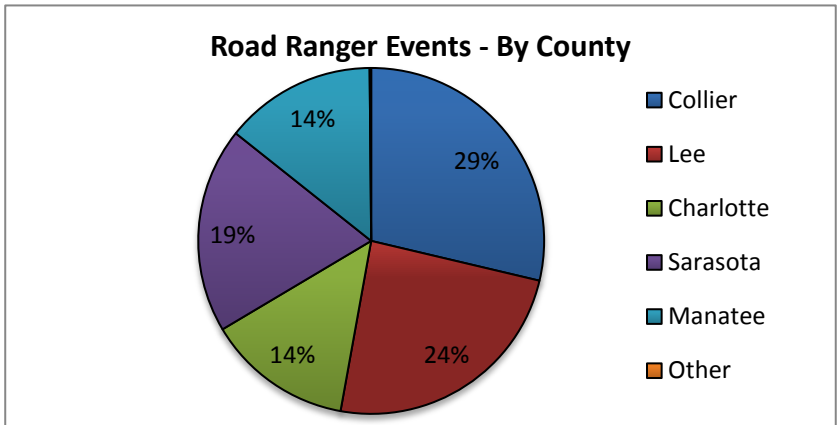
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230 I-275 MM 0-13
RR106	MM 105-123		
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4130
Events with Road Ranger Response	2218
Total RR On-Scene Activities	2703
Average Activities/Assisted Event	1.22
% of Events Assisted	53.70%



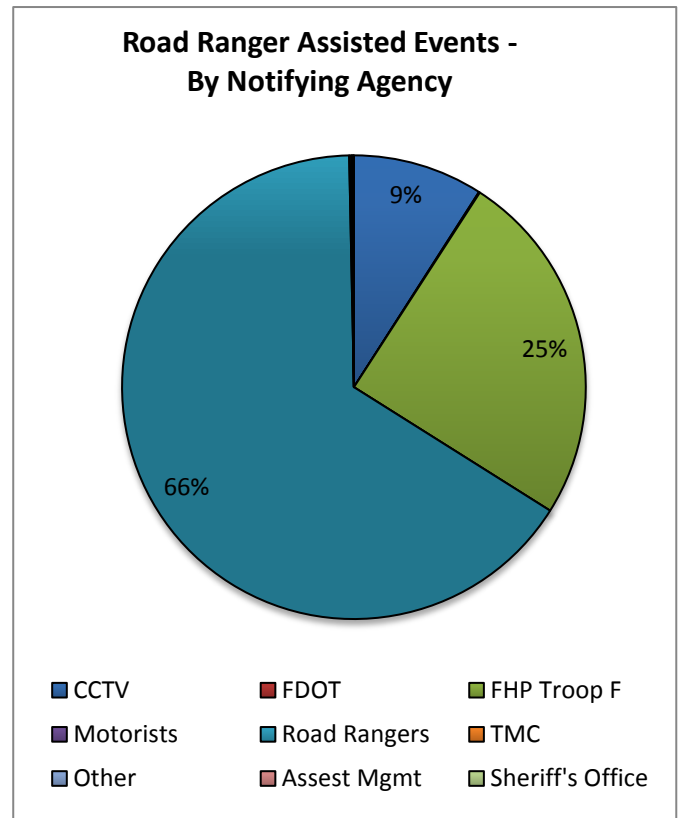
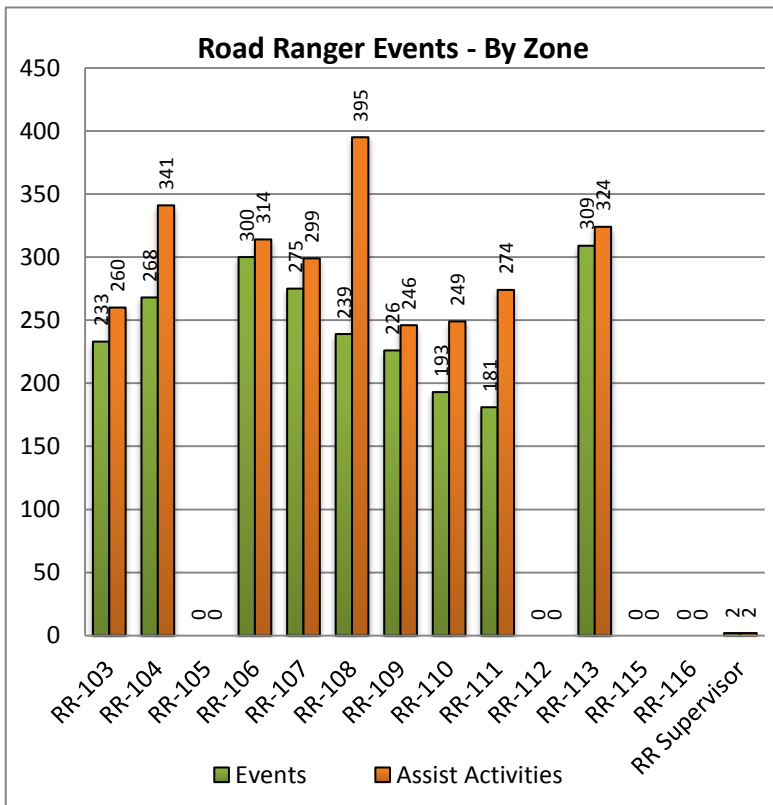
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	788
Lee	663
Charlotte	374
Sarasota	528
Manatee	389
Other	4
Totals	2746





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	233	260
RR-104	268	341
RR-105	0	0
RR-106	300	314
RR-107	275	299
RR-108	239	395
RR-109	226	246
RR-110	193	249
RR-111	181	274
RR-112	0	0
RR-113	309	324
RR-115	0	0
RR-116	0	0
RR Supervisor	2	2
Totals	2226	2704

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	249	9.1%
FDOT	2	0.1%
FHP Troop F	681	24.8%
Motorists	0	0.0%
Road Rangers	1805	65.7%
TMC	4	0.1%
Other	2	0.1%
Assest Mgmt	2	0.1%
Sheriff's Office	1	0.0%
Totals	2746	100.0%

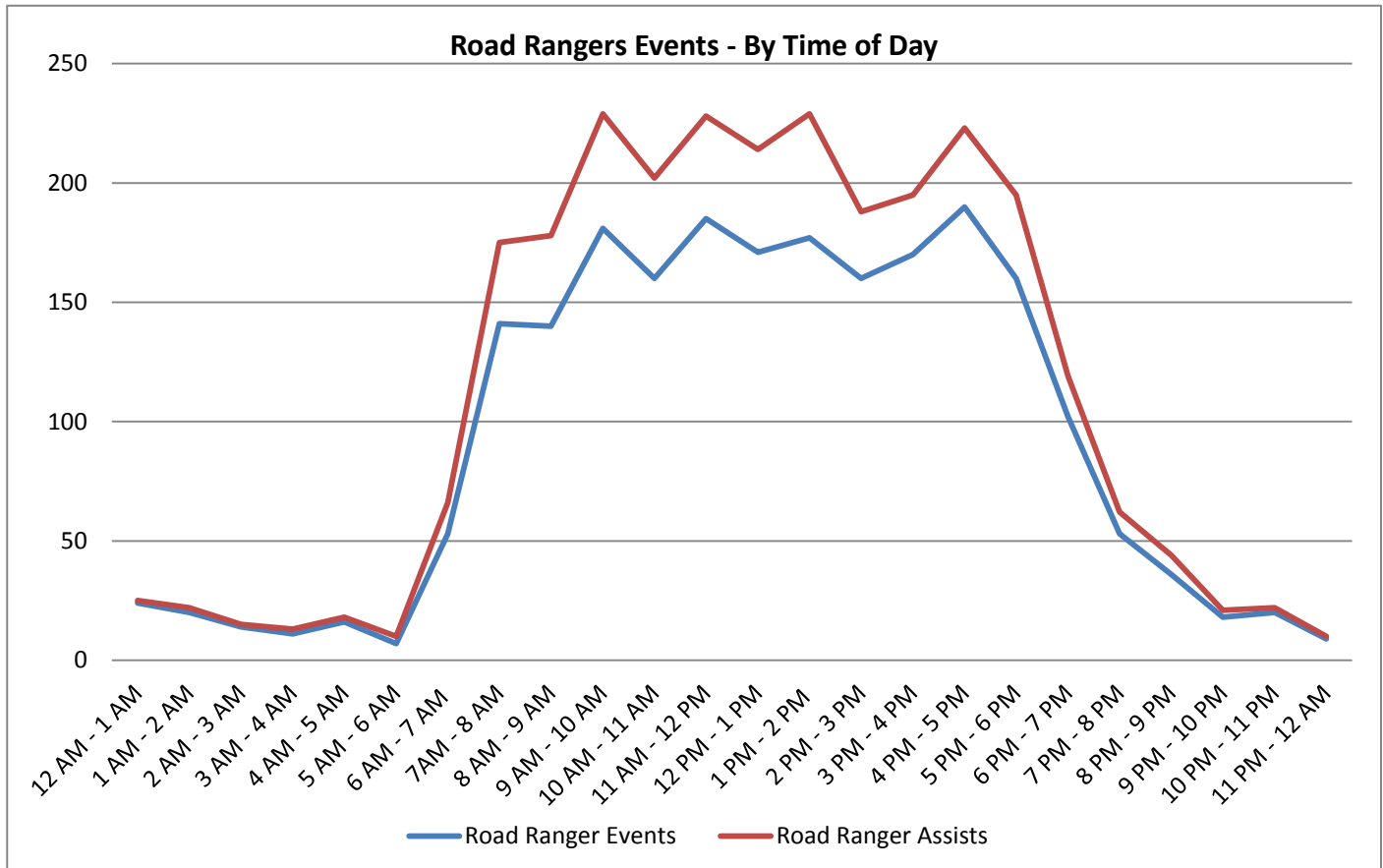




**22. Road Ranger Assisted Events -
By Time of Day:**

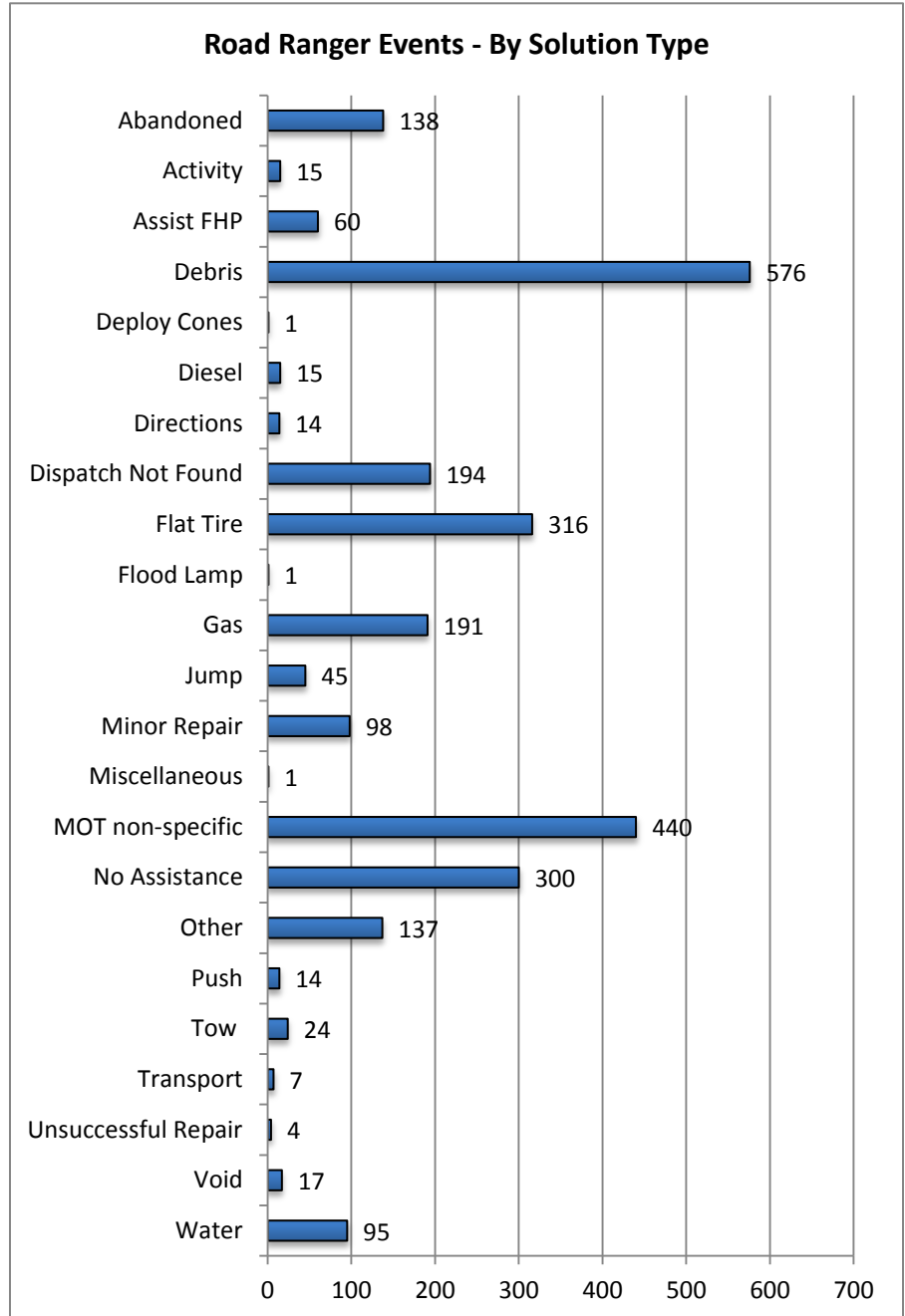
Time of Day	RR Events	RR Assists
12 AM - 1 AM	24	25
1 AM - 2 AM	20	22
2 AM - 3 AM	14	15
3 AM - 4 AM	11	13
4 AM - 5 AM	16	18
5 AM - 6 AM	7	10
6 AM - 7 AM	53	66
7 AM - 8 AM	141	175
8 AM - 9 AM	140	178
9 AM - 10 AM	181	229
10 AM - 11 AM	160	202
11 AM - 12 PM	185	228

Time of Day	RR Events	RR Assists
12 PM - 1 PM	171	214
1 PM - 2 PM	177	229
2 PM - 3 PM	160	188
3 PM - 4 PM	170	195
4 PM - 5 PM	190	223
5 PM - 6 PM	160	195
6 PM - 7 PM	102	119
7 PM - 8 PM	53	62
8 PM - 9 PM	36	44
9 PM - 10 PM	18	21
10 PM - 11 PM	20	22
11 PM - 12 AM	9	10
Totals	2218	2703





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	138
Absorbant	0
Activity	15
Assist FHP	60
Bleach	0
Cold Patch Asphalt	0
Debris	576
Deploy Cones	1
Diesel	15
Directions	14
Dispatch Not Found	194
Flare	0
Flat Tire	316
Flood Lamp	1
Gas	191
Jump	45
Livestock	0
Lockout	0
Minor Repair	98
Miscellaneous	1
MOT non-specific	440
No Assistance	300
Oil	0
Other	137
Phone	0
Portland Cement	0
Push	14
Radio	0
Tow	24
Translate	0
Transmission Fluid	0
Transport	7
Turbo Flare	0
Unsuccessful Repair	4
Void	17
Water	95
Wildlife	0
Total Assist Activities	2703



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