



This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for April 2015. 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:	
	4853

2. Number of Lane Blocking Events:	
	223

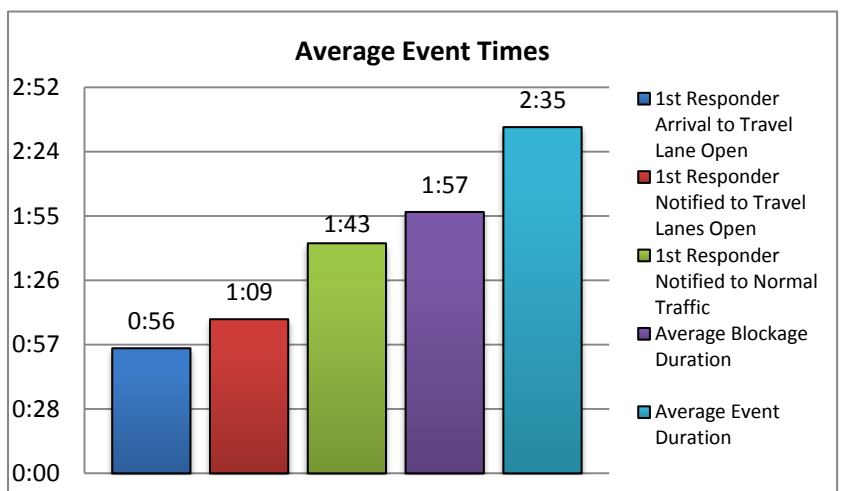
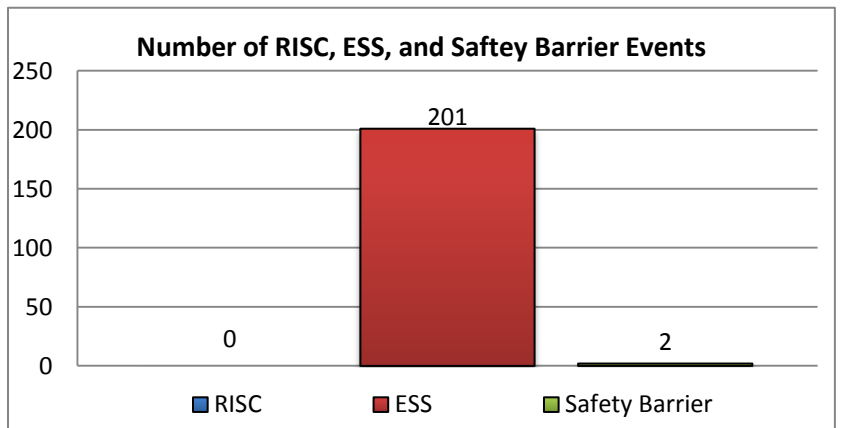
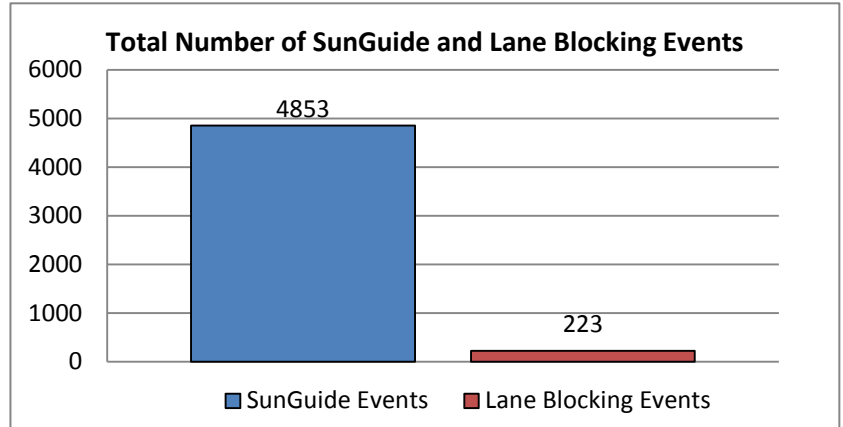
3. Number of RISC Events:	
	0

4. Number of ESS Events:	
	201

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	0:56
Average Incident Duration From First Responder Notified to Travel Lane Open	1:09
Average Incident Duration From First Responder Notified to Normal Traffic	1:43

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4853
Number of Lane Blocking Events	223
Number of Secondary Incidents	32
Average Blockage Duration	1:57
Average Event Duration	2:35



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.

Table 7 includes all lane blocking incidents & events for all 12 District 1 Counties.

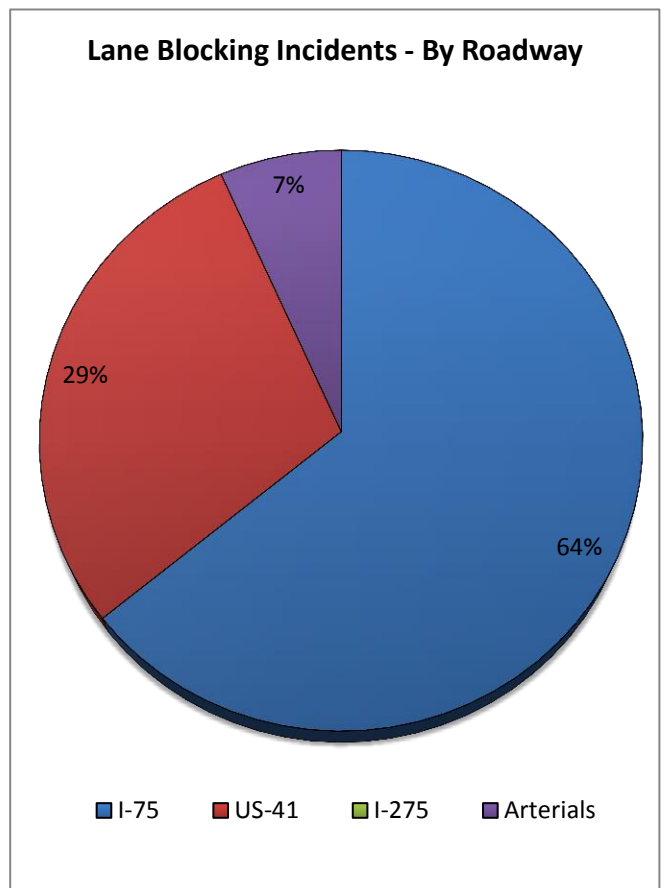
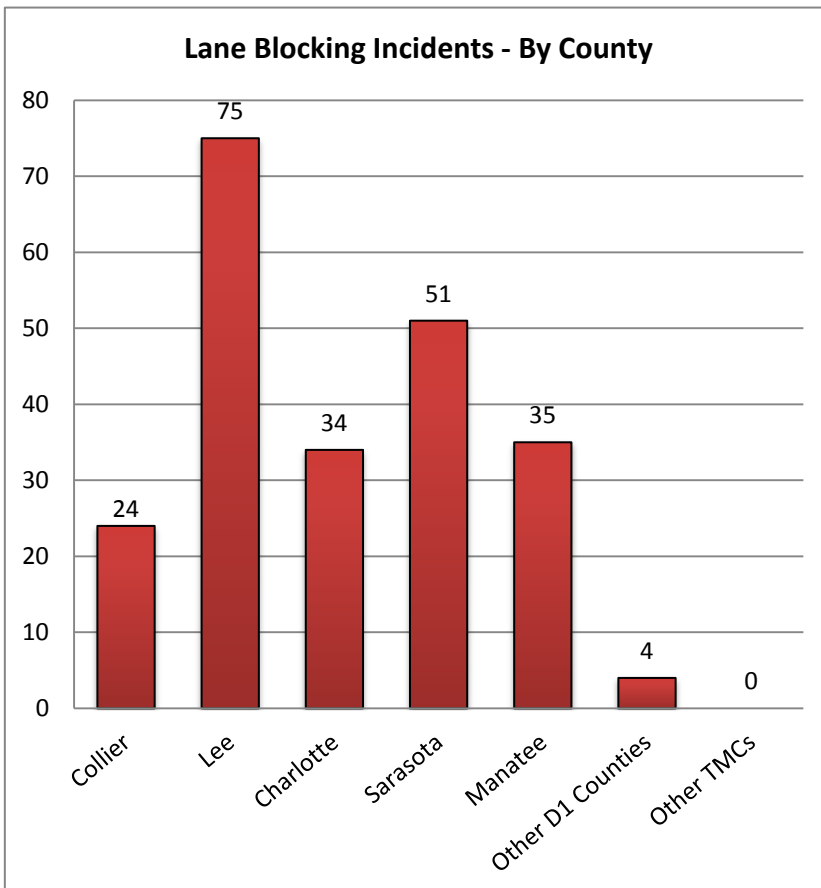


8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	19	52	29	30	13	-
US-41	5	20	5	17	18	-
I-275	-	-	-	-	0	-
Arterials	0	3	0	4	4	4
Total Incidents	24	75	34	51	35	4

Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	143
US-41	0	0	-	-	65
I-275	0	-	-	-	0
Arterials	0	0	0	0	15
Total Incidents	0	0	0	0	223

*These are incidents that occurred outside of the District 1 coverage area but requires SWIFT SunGuide assistance.



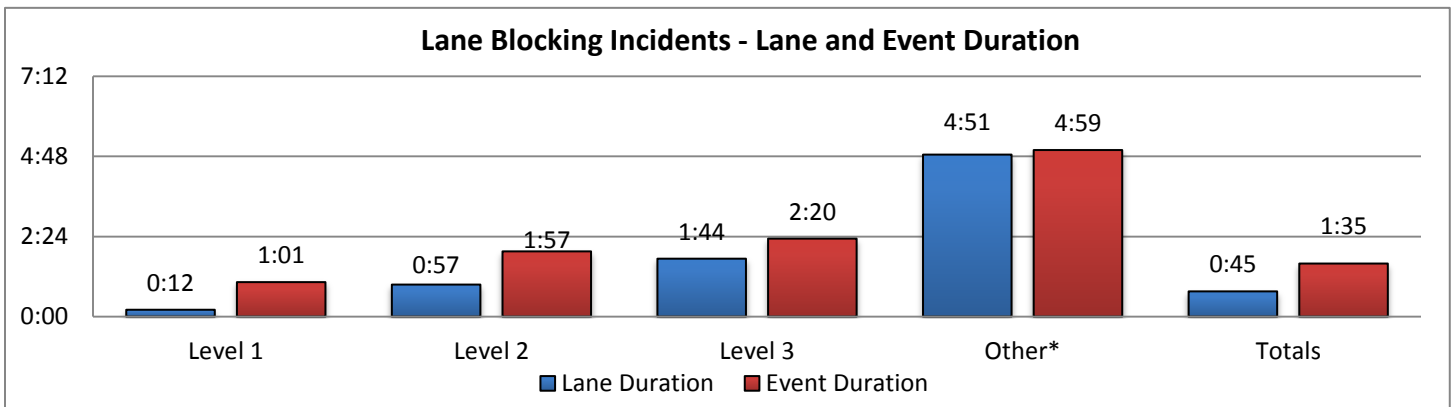
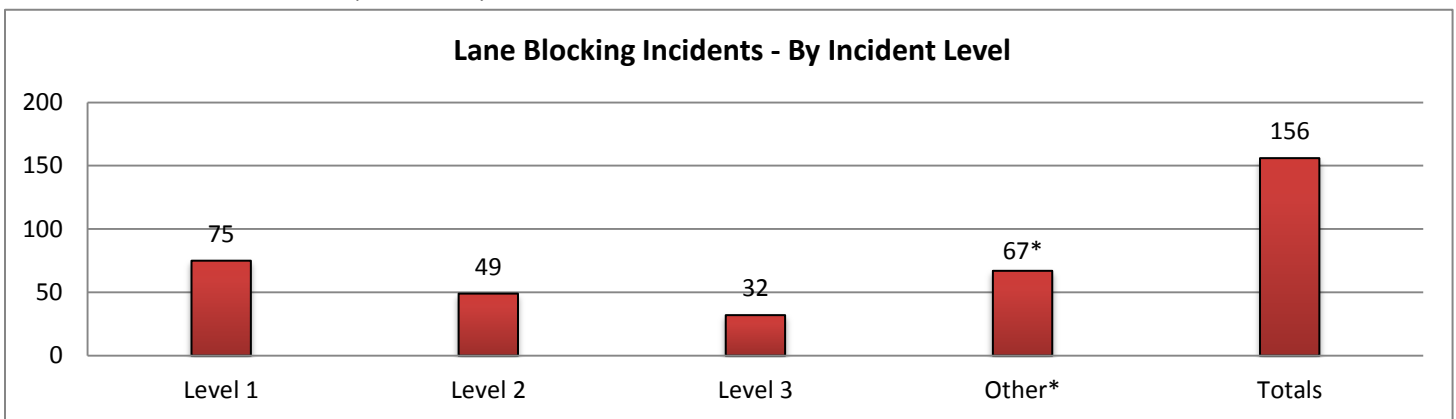


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	6	0:12	1:12	25	0:14	1:10	7	0:07	0:40	22	0:11	1:06
Level 2	10	0:58	1:55	8	1:00	2:45	9	0:56	1:53	13	1:00	1:48
Level 3	4	1:50	2:48	9	1:54	2:34	3	1:28	2:38	6	0:46	1:22
Other*	4*	2:33	2:52	33*	4:24	4:30	15*	5:25	5:37	10*	6:15	6:20
Totals	20	0:54	1:52	42	0:44	1:46	19	0:43	1:33	41	0:31	1:21

	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	15	0:14	0:49	0	0:00	0:00	0	0:00	0:00	75	0:12	1:01
Level 2	9	0:53	1:35	0	0:00	0:00	0	0:00	0:00	49	0:57	1:57
Level 3	6	1:31	1:47	4	3:15	3:25	0	0:00	0:00	32	1:44	2:20
Other*	5*	5:13	5:22	0*	0:00	0:00	0*	0:00	0:00	67*	4:51	4:59
Totals	30	0:41	1:14	4	3:15	3:25	0	0:00	0:00	156	0:45	1:35

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

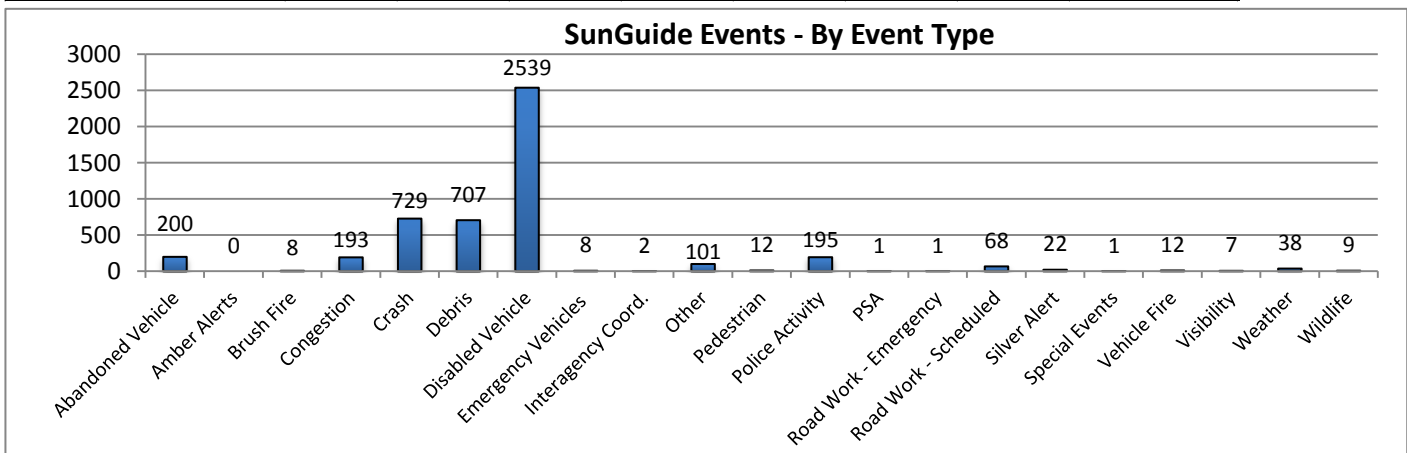




10. SunGuide Events - by Event Type:

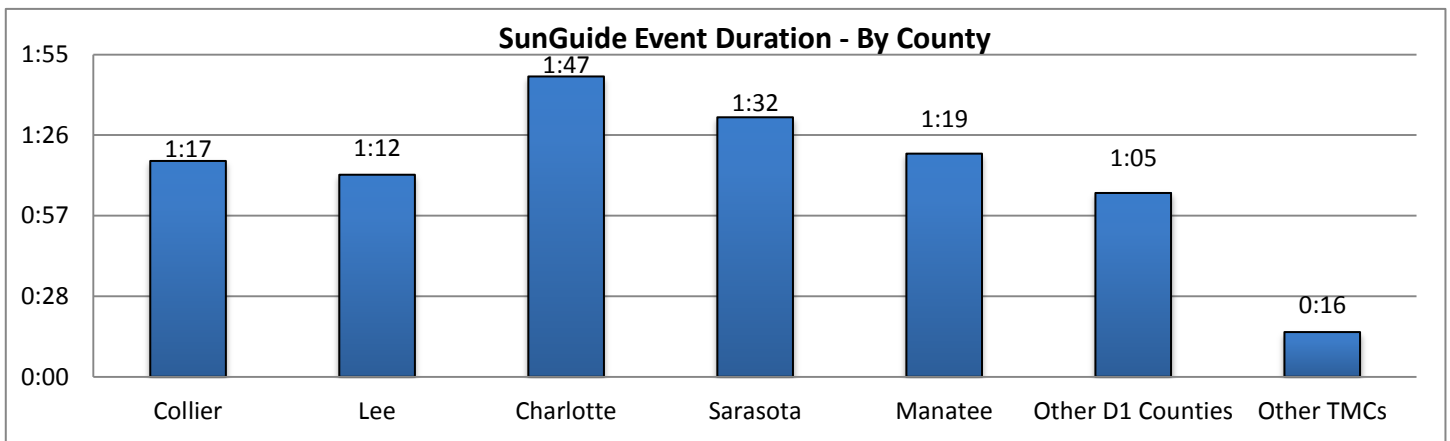
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	39	51	19	61	30	0	0	200
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	1	2	1	2	1	1	0	8
Congestion	7	35	3	76	72	0	0	193
Crash	48	176	39	226	234	6	0	729
Debris	90	175	104	208	130	0	0	707
Disabled Vehicle	749	659	177	520	432	0	2	2539
Emergency Vehicles	3	1	0	2	2	0	0	8
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	0	0	0	0	2	0	0	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	26	33	7	23	12	0	0	101
Pedestrian	2	1	2	5	2	0	0	12
Police Activity	51	71	9	39	25	0	0	195
PSA	0	0	1	0	0	0	0	1
Road Work - Emergency	1	0	0	0	0	0	0	1
Road Work - Scheduled	3	35	14	11	5	0	0	68
Silver Alert	0	22	0	0	0	0	0	22
Special Events	0	1	0	0	0	0	0	1
Vehicle Fire	1	5	1	3	2	0	0	12
Visibility	4	1	0	1	1	0	0	7
Weather	10	6	5	10	7	0	0	38
Wildlife	5	1	0	1	2	0	0	9
Total Incidents	1040	1275	382	1188	959	7	2	4853

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	9:33	5:57	8:04	9:27	9:19	0:00	0:00	8:25
Amber Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	0:32	0:15	1:14	0:33	0:05	2:24	0:00	0:43
Congestion	0:42	0:43	0:55	0:51	1:00	0:00	0:00	0:52
Crash	1:11	1:07	1:01	1:10	1:15	0:52	0:00	1:10
Debris	0:13	0:17	0:13	0:24	0:19	0:00	0:00	0:18
Disabled Vehicle	1:05	0:57	1:08	1:25	1:14	0:00	0:16	1:08
Emergency Vehicles	0:43	0:08	0:00	0:31	0:11	0:00	0:00	0:27
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	0:41	0:00	0:00	0:41
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:35	0:17	0:11	0:36	0:09	0:00	0:00	0:24
Pedestrian	0:12	0:01	0:05	0:21	0:33	0:00	0:00	0:17
Police Activity	0:22	0:19	0:22	0:16	0:12	0:00	0:00	0:18
PSA	0:00	0:00	167:50	0:00	0:00	0:00	0:00	167:50
Road Work - Emergency	1:52	0:00	0:00	0:00	0:00	0:00	0:00	1:52
Road Work - Scheduled	3:11	4:41	5:57	5:54	5:22	0:00	0:00	5:07
Silver Alert	0:00	4:53	0:00	0:00	0:00	0:00	0:00	4:53
Special Events	0:00	2:57	0:00	0:00	0:00	0:00	0:00	2:57
Vehicle Fire	3:01	3:13	0:14	0:40	1:28	0:00	0:00	2:01
Visibility	1:27	1:54	0:00	5:17	1:44	0:00	0:00	2:06
Weather	1:17	1:35	1:29	1:11	1:54	0:00	0:00	1:26
Wildlife	0:28	0:02	0:00	0:08	1:18	0:00	0:00	0:34
Total Incidents	1:17	1:12	1:47	1:32	1:19	1:05	0:16	9:41





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
2376	286	8	2:57

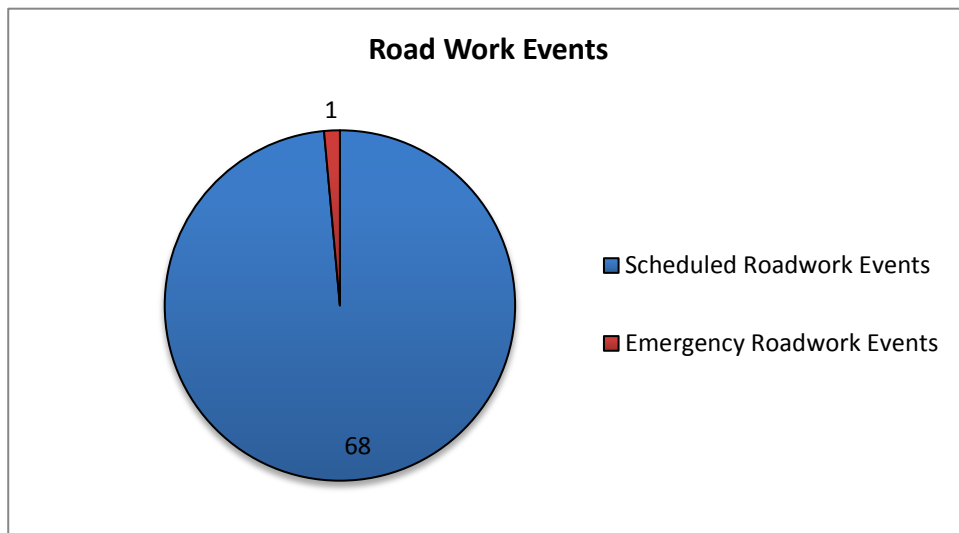
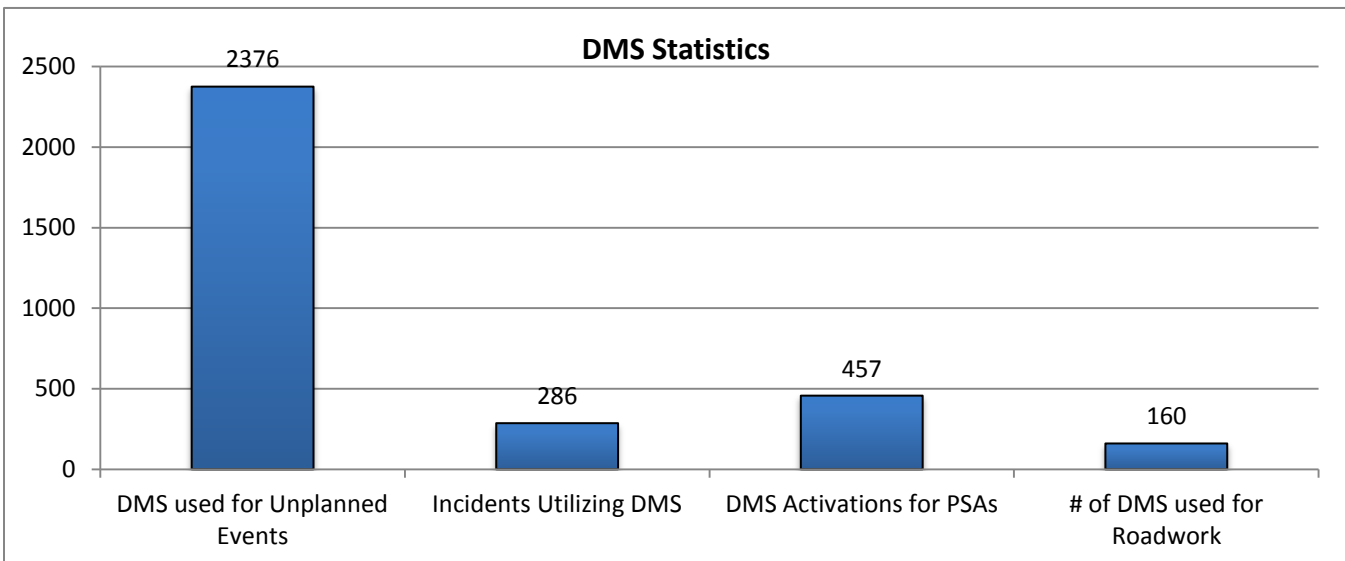
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
457

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
68	1	69
# DMS Used for Road Work		Average # of DMS/Pattern
160		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	0	Mile <49	0
Mile 49-79.9	151	Mile 49-79.9	203
Mile 80-100.9	188	Mile 80-100.9	160
Mile 101-104.9	22	Mile 101-104.9	26
Mile 105-106.9	54	Mile 105-106.9	31
Mile 107-110.9	49	Mile 107-110.9	39
Mile 111-115.9	67	Mile 111-115.9	40
Mile 116-122.9	143	Mile 116-122.9	112
Mile 123-127.9	88	Mile 123-127.9	58
Mile 128-130.9	67	Mile 128-130.9	56
Mile 131-135.9	121	Mile 131-135.9	92
Mile 136 -137.9	23	Mile 136 -137.9	18
Mile 138 -138.9	33	Mile 138 -138.9	23
Mile 139 - 140.9	60	Mile 139 - 140.9	20
Mile 141 - 142.9	38	Mile 141 - 142.9	22
Mile 143 - 157.9	151	Mile 143 - 157.9	117
Mile 158 - 160.9	30	Mile 158 - 160.9	18
Mile 161 - 163.9	34	Mile 161 - 163.9	22
Mile 164 - 166.9	20	Mile 164 - 166.9	44
Mile 167 -169.9	30	Mile 167 -169.9	31
Mile 170 - 178.9	80	Mile 170 - 178.9	66
Mile 179 - 181.9	42	Mile 179 - 181.9	16
Mile 182 - 190.9	112	Mile 182 - 190.9	103
Mile 191 - 192.9	38	Mile 191 - 192.9	36
Mile 193 - 194.9	23	Mile 193 - 194.9	20
Mile 195 -199.9	31	Mile 195 -199.9	38
Mile 200 - 204.9	76	Mile 200 - 204.9	81
Mile 205 - 206.9	69	Mile 205 - 206.9	25
Mile 207 - 209.9	57	Mile 207 - 209.9	44
Mile 210 -212.9	74	Mile 210 -212.9	59
Mile 213 - 216.9	94	Mile 213 - 216.9	80
Mile 217 - 219.9	72	Mile 217 - 219.9	72
Mile 220 - 223.9	97	Mile 220 - 223.9	71
Mile 224 -227.9	94	Mile 224 -227.9	77
Mile 228 - 228.9	25	Mile 228 - 228.9	22
Mile 229 -229.9	2	Mile 229 -229.9	3
Mile 230 - 239.9	7	Mile 230 - 239.9	3
> Mile 240	0	> Mile 240	0
North Total	2362	South Total	1948

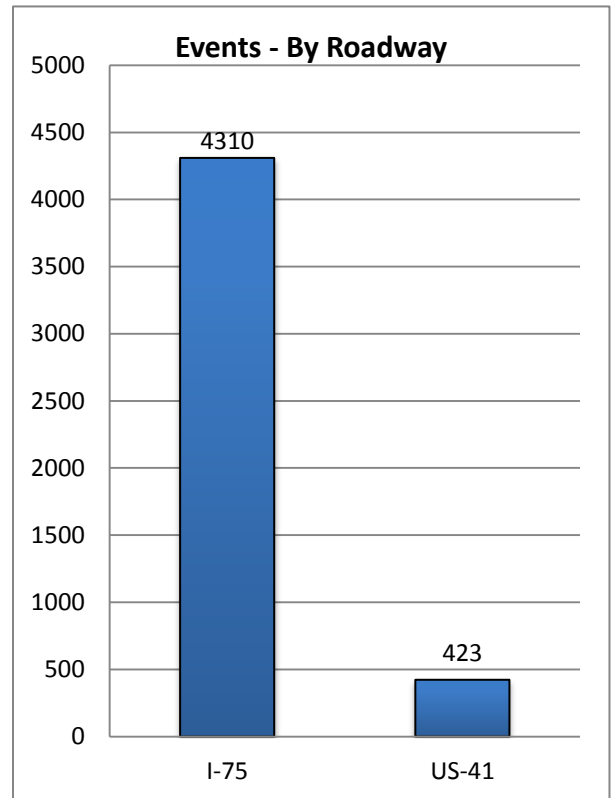
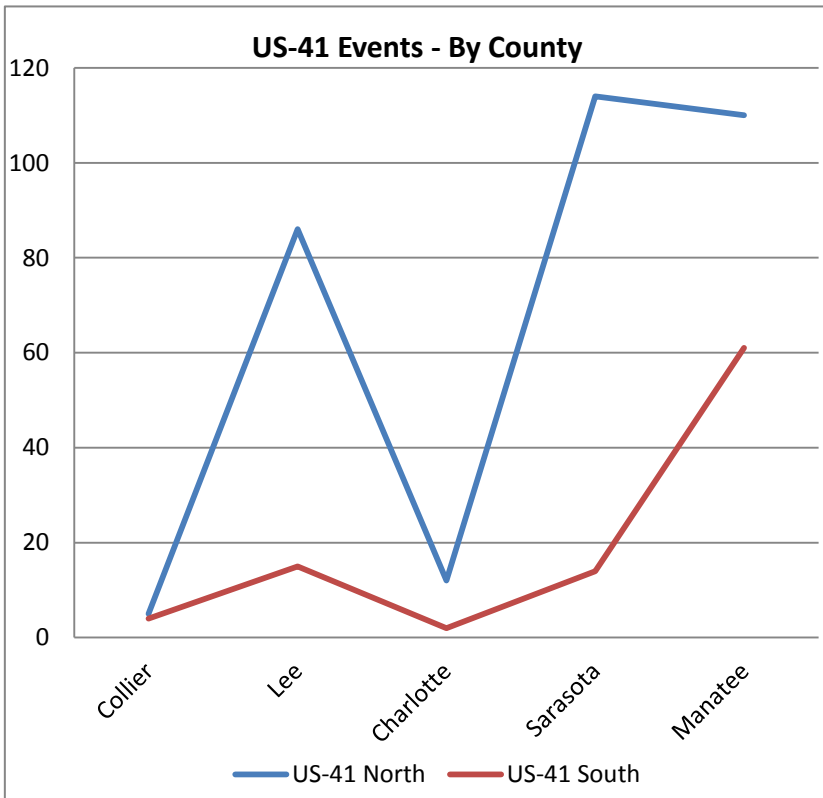
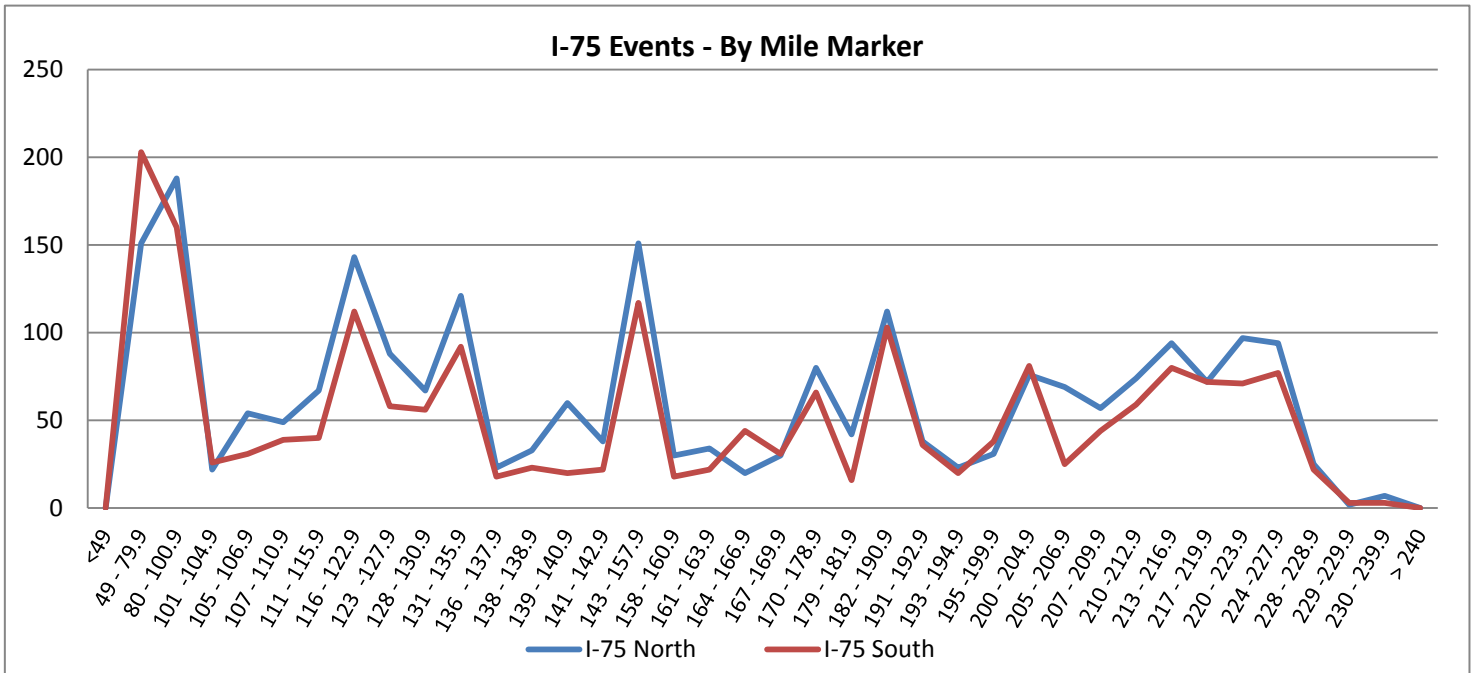
US-41 Northbound	
Collier	5
Lee	86
Charlotte	12
Sarasota	114
Manatee	110
North Total	327

US-41 Southbound	
Collier	4
Lee	15
Charlotte	2
Sarasota	14
Manatee	61
South Total	96

Total Events on US-41
423

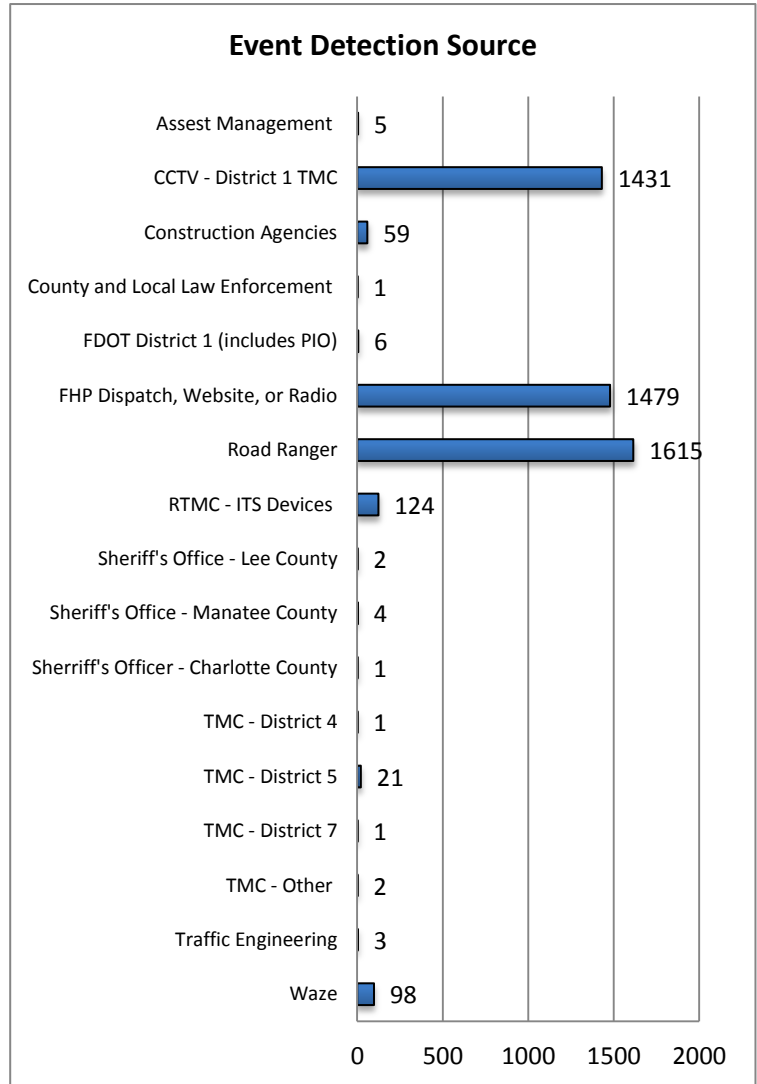
Total Events on I-75
4310

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





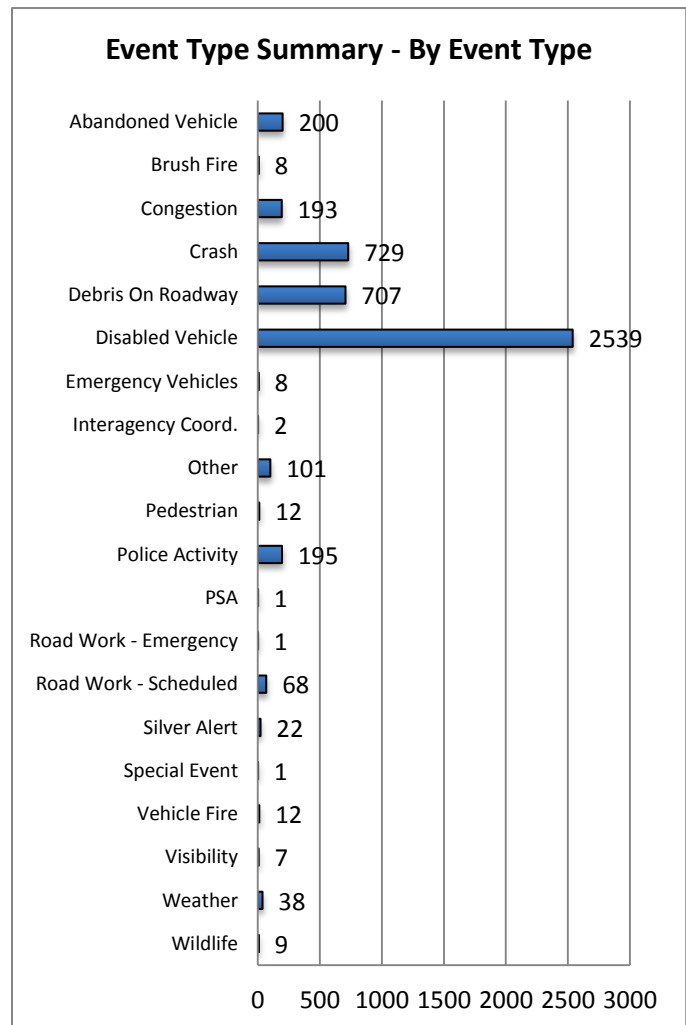
16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	5	0.1%
CCTV - District 1 TMC	1431	29.5%
CCTV - Other	0	0.0%
Construction Agencies	59	1.2%
County and Local Law Enforcement	1	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	6	0.1%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1479	30.5%
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	0	0.0%
Other	0	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1615	33.3%
RTMC - ITS Devices (TSS & Safety Barrier)	124	2.6%
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	2	0.0%
Sheriff's Office - Manatee County	4	0.1%
Sheriff's Office - Sarasota County	0	0.0%
SW Florida Internantion Airport	0	0.0%
TMC - District 4	1	0.0%
TMC - District 5	21	0.4%
TMC - District 7	1	0.0%
TMC - Other	2	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	3	0.1%
Waze	98	2.0%
Total Number of Incidents	4853	100.0%



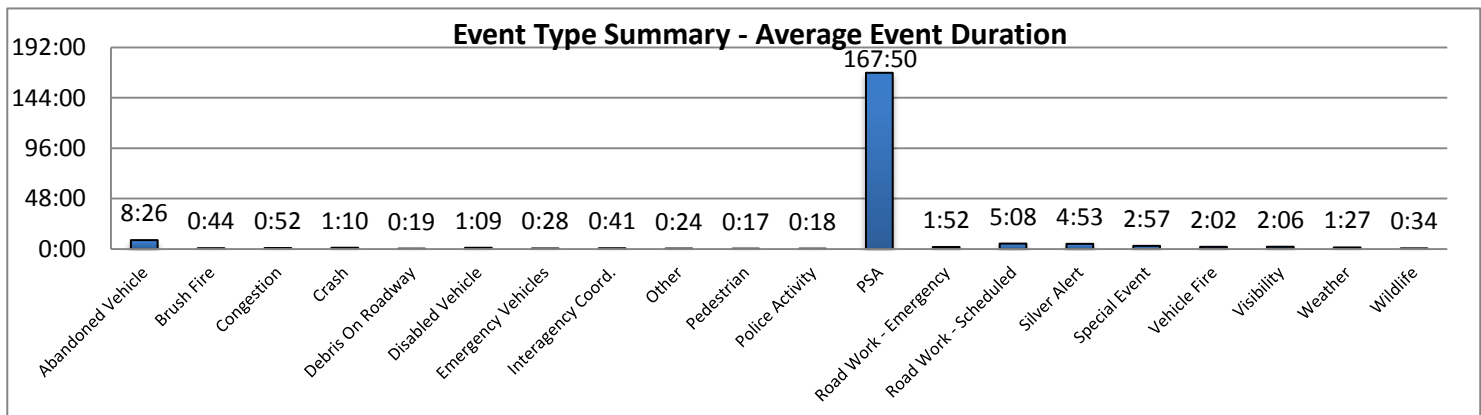
Note: Event Detection Source Categories listed as zero are not included in the above chart.



17. Event Type Summary			
Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	200	1:56	8:26
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	8	0:05	0:44
Congestion	193	24:00	0:52
Crash	729	0:47	1:10
Debris On Roadway	707	0:12	0:19
Disabled Vehicle	2539	0:24	1:09
Emergency Vehicles	8	0:19	0:28
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	2	0:07	0:41
LEO Alert	0	0:00	0:00
Other	101	0:04	0:24
Pedestrian	12	0:05	0:17
Police Activity	195	0:14	0:18
PSA	1	0:00	167:50
Road Work - Emergency	1	1:51	1:52
Road Work - Scheduled	68	0:01	5:08
Silver Alert	22	0:00	4:53
Special Event	1	0:00	2:57
Vehicle Fire	12	1:01	2:02
Visibility	7	0:00	2:06
Weather	38	0:00	1:27
Wildlife	9	0:31	0:34
Total Events	4853	2:06	10:10



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

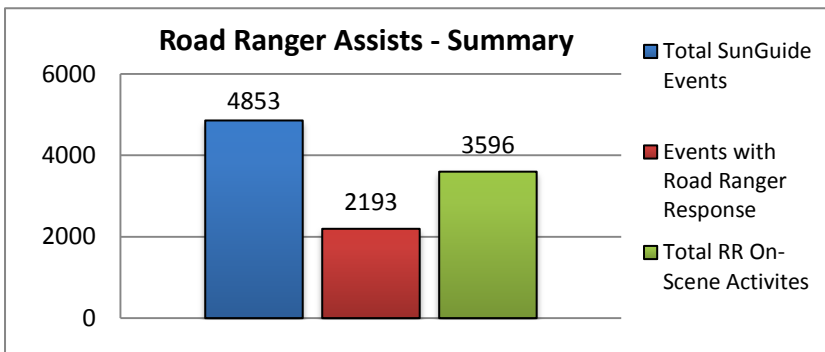
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

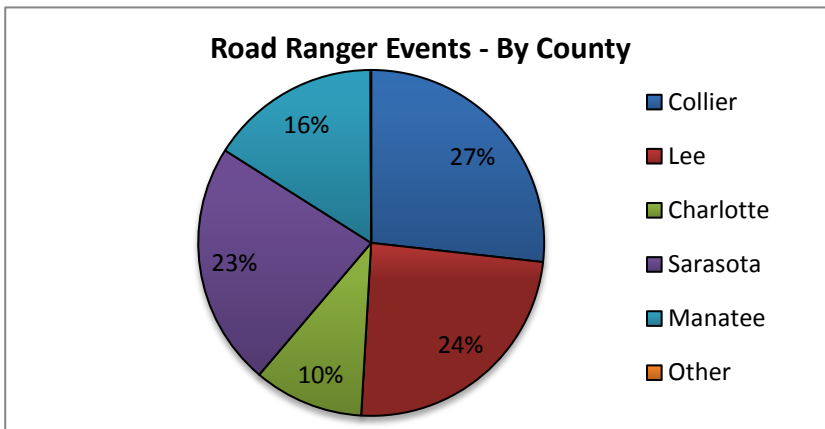
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4853
Events with Road Ranger Response	2193
Total RR On-Scene Activities	3596
Average Activities/Assisted Event	1.64
% of Events Assisted	45.19%



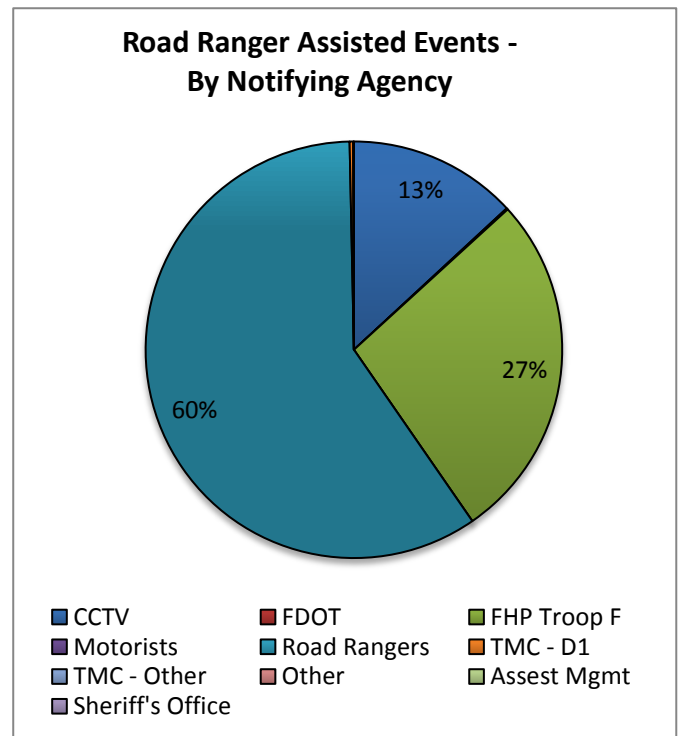
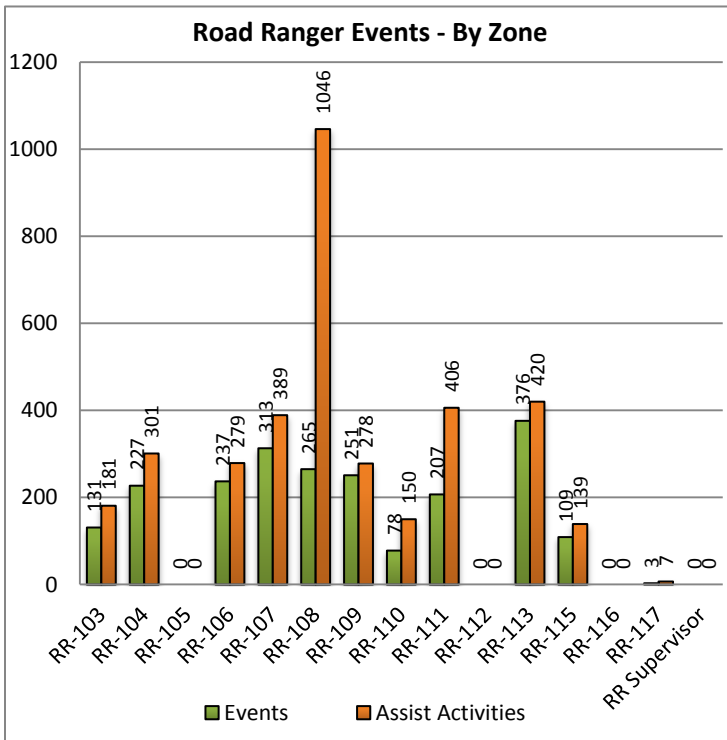
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	737
Lee	665
Charlotte	283
Sarasota	627
Manatee	439
Other	2
Totals	2753





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	131	181
RR-104	227	301
RR-105	0	0
RR-106	237	279
RR-107	313	389
RR-108	265	1046
RR-109	251	278
RR-110	78	150
RR-111	207	406
RR-112	0	0
RR-113	376	420
RR-115	109	139
RR-116	0	0
RR-117	3	7
RR Supervisor	0	0
Totals	2197	3596

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	357	13.0%
FDOT	3	0.1%
FHP Troop F	739	26.8%
Motorists	0	0.0%
Road Rangers	1614	58.6%
TMC - D1	8	0.3%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	1	0.0%
Sheriff's Office	0	0.0%
Waze	31	1.1%
Totals	2753	100.0%

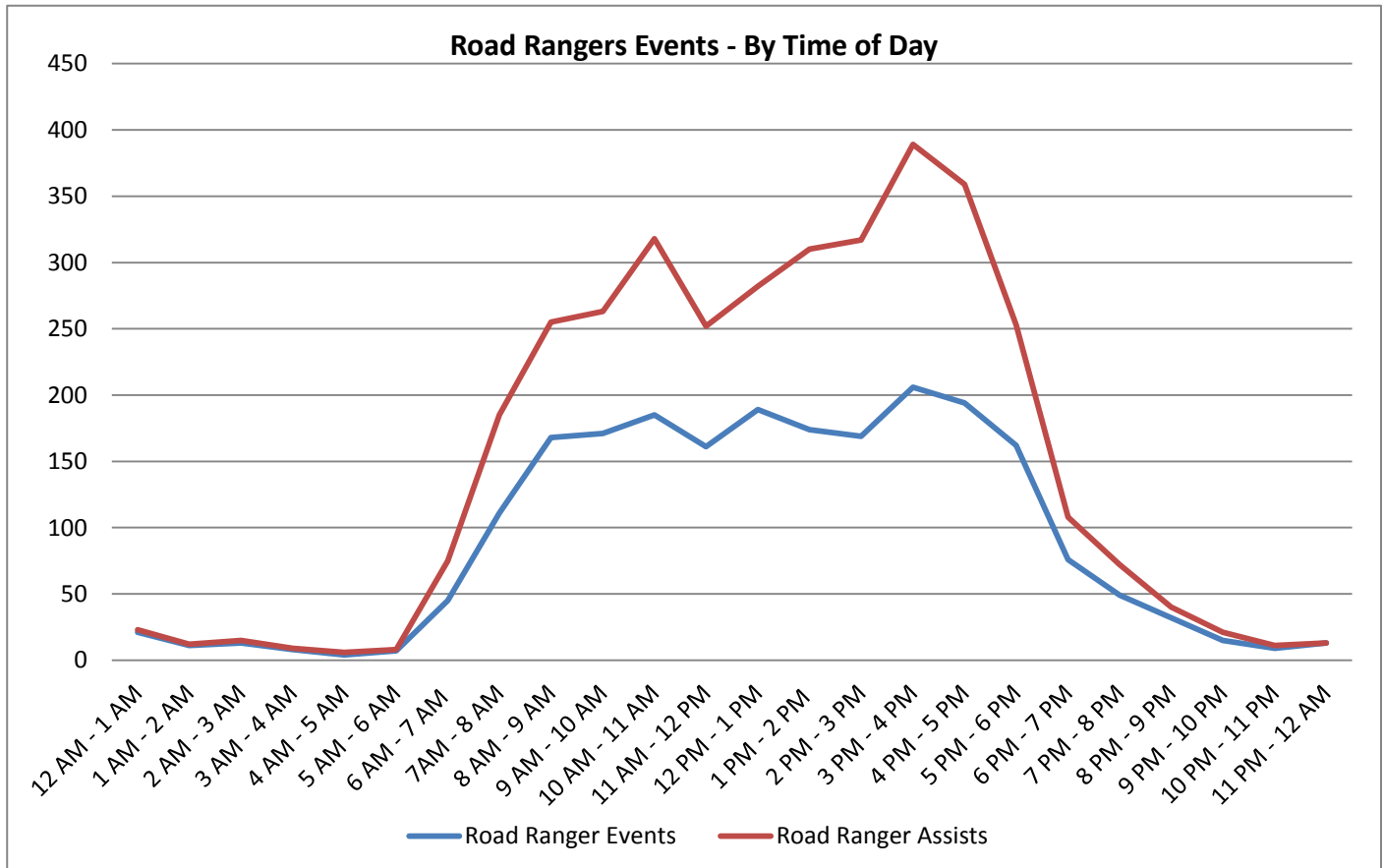




**22. Road Ranger Assisted Events -
By Time of Day:**

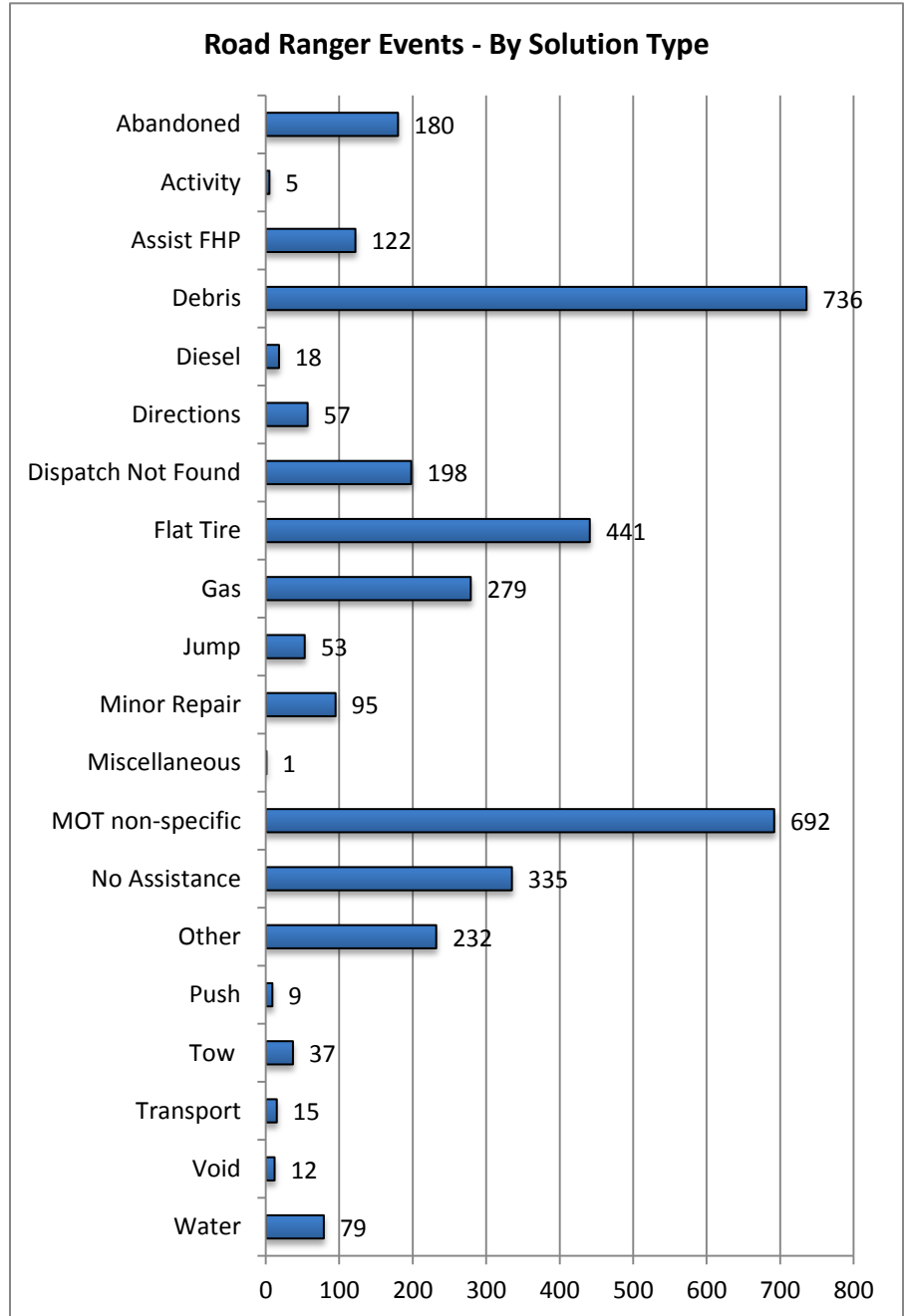
Time of Day	RR Events	RR Assists
12 AM - 1 AM	21	23
1 AM - 2 AM	11	12
2 AM - 3 AM	13	15
3 AM - 4 AM	8	9
4 AM - 5 AM	4	6
5 AM - 6 AM	7	8
6 AM - 7 AM	45	75
7 AM - 8 AM	111	185
8 AM - 9 AM	168	255
9 AM - 10 AM	171	263
10 AM - 11 AM	185	318
11 AM - 12 PM	161	252

Time of Day	RR Events	RR Assists
12 PM - 1 PM	189	282
1 PM - 2 PM	174	310
2 PM - 3 PM	169	317
3 PM - 4 PM	206	389
4 PM - 5 PM	194	359
5 PM - 6 PM	162	253
6 PM - 7 PM	76	108
7 PM - 8 PM	49	72
8 PM - 9 PM	32	40
9 PM - 10 PM	15	21
10 PM - 11 PM	9	11
11 PM - 12 AM	13	13
Totals	2193	3596





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	180
Absorbant	0
Activity	5
Assist FHP	122
Bleach	0
Cold Patch Asphalt	0
Debris	736
Deploy Cones	0
Diesel	18
Directions	57
Dispatch Not Found	198
Flare	0
Flat Tire	441
Flood Lamp	0
Gas	279
Jump	53
Livestock	0
Lockout	0
Minor Repair	95
Miscellaneous	1
MOT non-specific	692
No Assistance	335
Oil	0
Other	232
Phone	0
Portland Cement	0
Push	9
Radio	0
Tow	37
Translate	0
Transmission Fluid	0
Transport	15
Turbo Flare	0
Unsuccessful Repair	0
Void	12
Water	79
Wildlife	0
Total Assist Activities	3596



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