



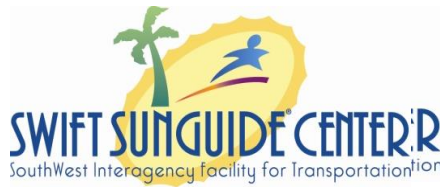
This is the FDOT District 1 SWIFT SunGuide Center Quarterly Operations Report, for Second Quarter, 2016.

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:	
	15123

2. Number of Lane Blocking Events:	
	1396

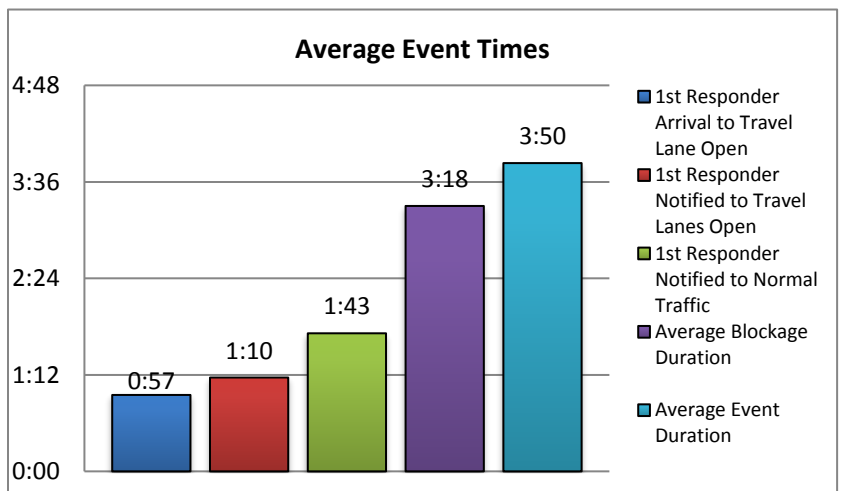
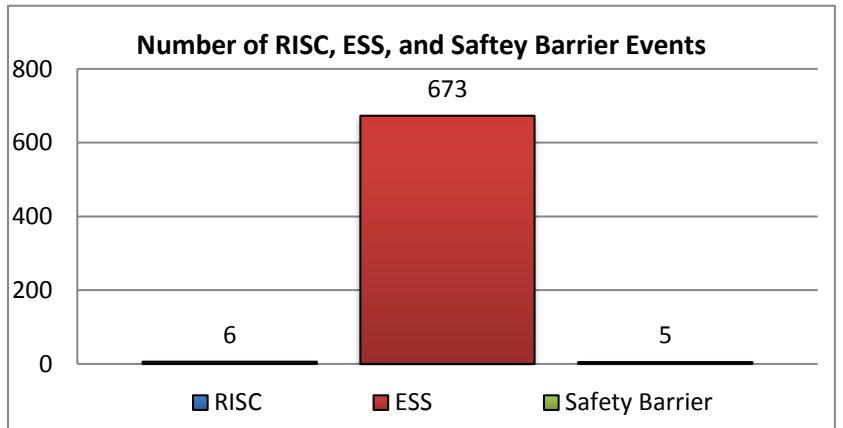
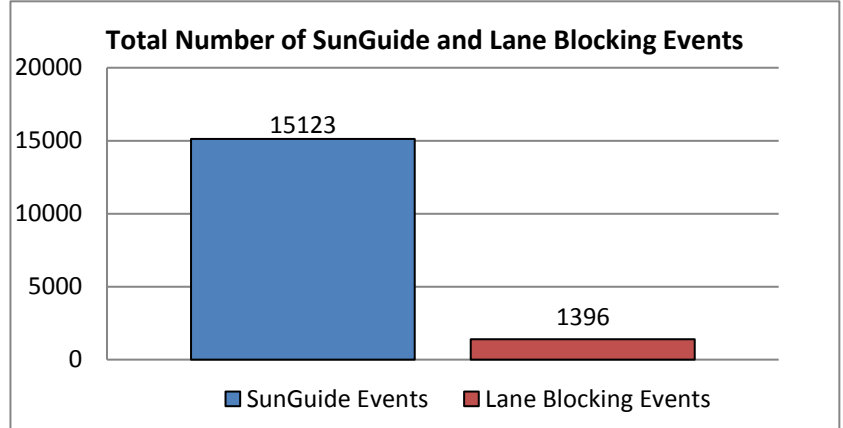
3. Number of RISC Events:	
	6

4. Number of ESS Events:	
	673

5. Events from a Safety Barrier Alert:	
	5

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	0:57
Average Incident Duration From First Responder Notified to Travel Lane Open	1:10
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	15123
Number of Lane Blocking Events	1396
Number of Secondary Incidents	236
Average Blockage Duration	3:18
Average Event Duration	3:50



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.



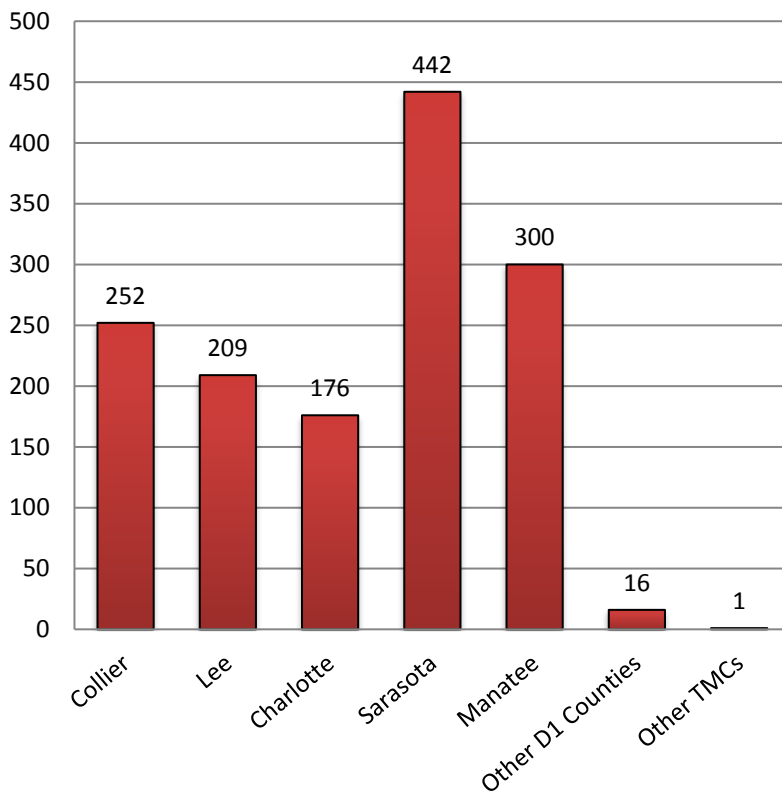
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	228	119	108	286	205	-
US-41	15	45	57	68	76	-
I-275	-	-	-	-	2	-
Arterials	9	45	11	88	17	16
Total Incidents	252	209	176	442	300	16

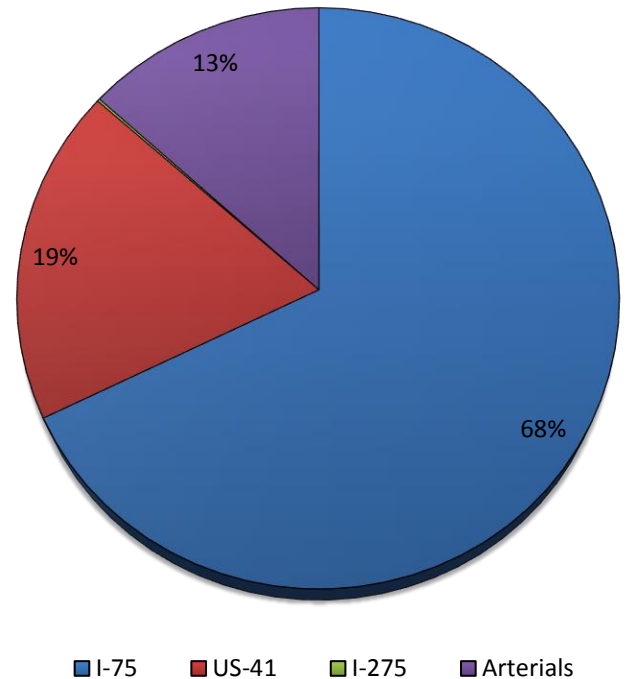
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	1	-	947
US-41	0	0	-	-	261
I-275	0	-	-	-	2
Arterials	0	0	0	0	186
Total Incidents	0	0	1	0	1396

*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



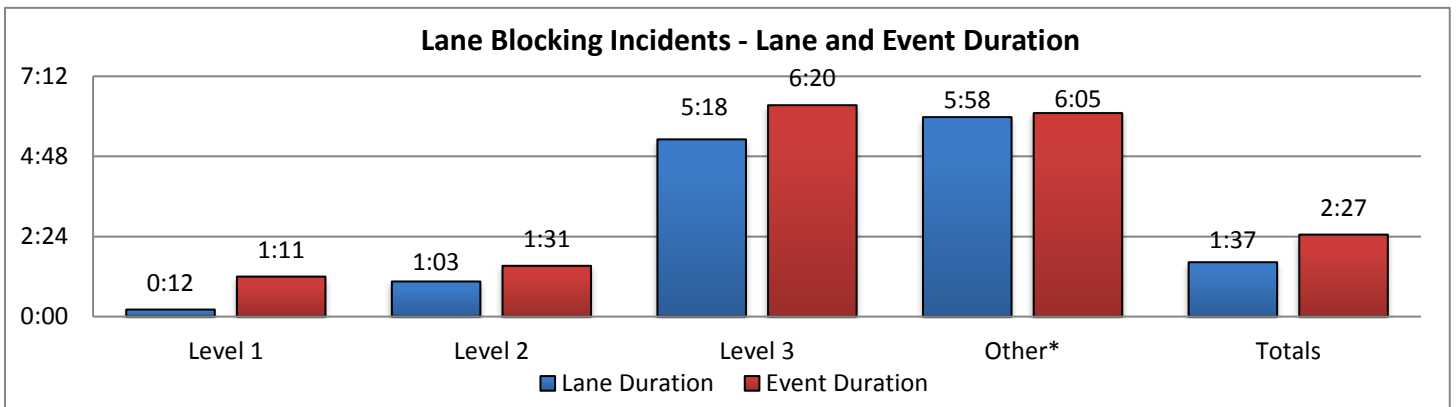
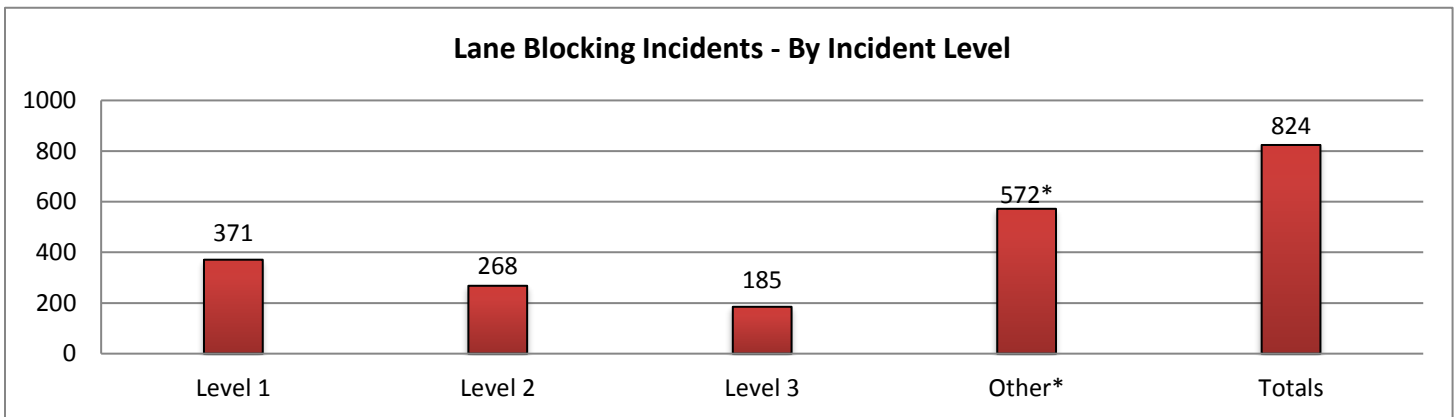


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	50	0:15	1:23	88	0:14	1:06	30	0:09	0:51	108	0:12	1:27
Level 2	23	0:57	1:21	62	0:59	1:20	31	1:06	1:20	91	1:04	1:37
Level 3	36	1:37	3:16	27	2:27	2:56	14	1:31	2:13	44	11:07	12:18
Other*	143*	8:13	8:22	32*	5:57	6:13	101*	5:28	5:35	199*	5:13	5:19
Totals	109	0:50	1:59	177	0:50	1:27	75	0:47	1:18	243	2:30	3:28

	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	95	0:12	1:01	0	0:00	0:00	0	0:00	0:00	371	0:12	1:11
Level 2	61	1:07	1:44	0	0:00	0:00	0	0:00	0:00	268	1:03	1:31
Level 3	51	2:50	3:45	12	16:56	17:37	1	0:03	0:09	185	5:18	6:20
Other*	93*	4:59	5:04	4*	0:00	0:00	0*	0:00	0:00	572*	5:58	6:05
Totals	207	1:07	1:54	12	16:56	17:37	1	0:03	0:09	824	1:37	2:27

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

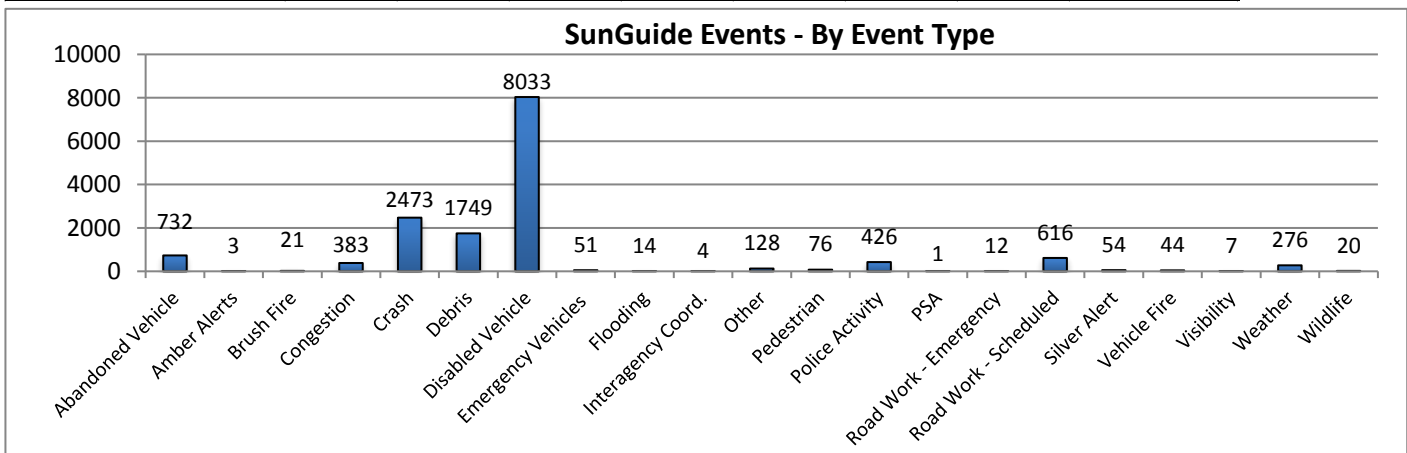




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	140	220	74	187	110	0	1	732
Amber Alerts	0	3	0	0	0	0	0	3
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	8	4	3	5	1	0	0	21
Congestion	29	61	10	94	189	0	0	383
Crash	193	538	164	796	759	20	3	2473
Debris	255	399	213	509	369	2	2	1749
Disabled Vehicle	2760	2124	644	1417	1070	0	18	8033
Emergency Vehicles	9	8	5	15	14	0	0	51
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	1	0	7	6	0	0	14
Interagency Coord.	0	0	0	0	3	0	1	4
LEO Alerts	0	0	0	0	0	0	0	0
Other	15	50	21	38	3	1	0	128
Pedestrian	13	16	6	21	20	0	0	76
Police Activity	152	164	34	42	34	0	0	426
PSA	1	0	0	0	0	0	0	1
Road Work - Emergency	4	2	0	5	1	0	0	12
Road Work - Scheduled	148	28	131	201	101	7	0	616
Silver Alert	0	54	0	0	0	0	0	54
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	13	9	3	12	7	0	0	44
Visibility	4	1	2	0	0	0	0	7
Weather	73	63	30	66	44	0	0	276
Wildlife	3	3	5	6	3	0	0	20
Total Incidents	3820	3748	1345	3421	2734	30	25	15123

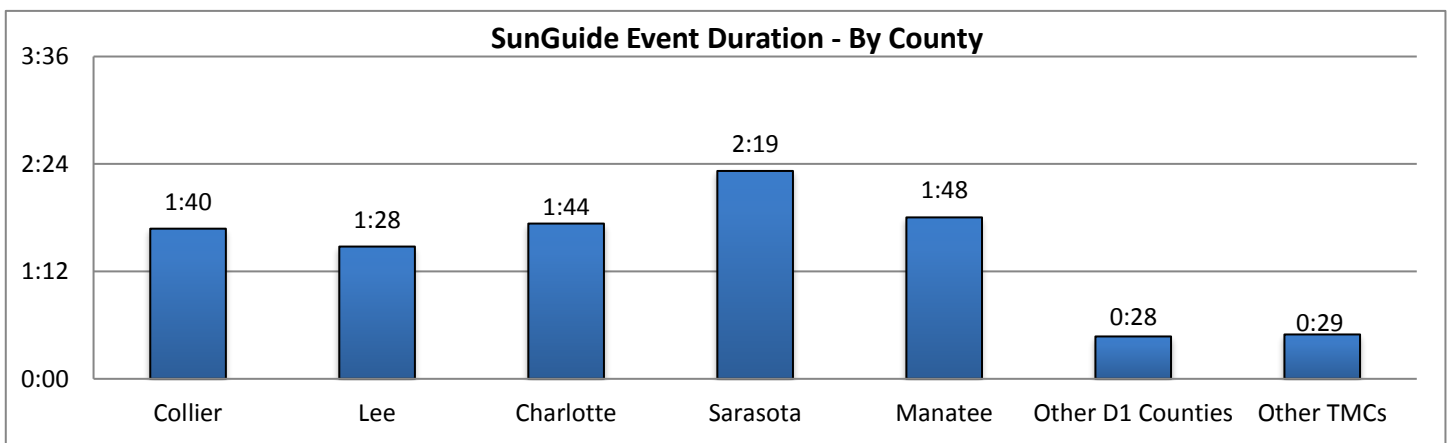
Note: Incident categories that are listed as zero are not included in the chart below.





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	11:46	8:24	7:38	11:49	7:37	0:00	10:56	9:43
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	2:05	0:14	0:26	0:33	0:20	0:00	0:00	1:02
Congestion	0:33	0:46	1:19	1:15	1:15	0:00	0:00	1:07
Crash	1:39	1:15	1:20	1:19	1:35	0:36	0:25	1:24
Debris	0:20	0:20	0:15	0:23	0:21	0:19	0:01	0:20
Disabled Vehicle	1:00	1:00	1:11	1:46	1:40	0:00	0:00	1:14
Emergency Vehicles	0:30	1:08	0:56	3:09	0:35	0:00	0:00	1:26
Evacuation	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Flooding	0:00	0:18	0:00	2:02	5:55	0:00	0:00	3:34
Interagency Coord.	0:00	0:00	0:00	0:00	9:56	0:00	0:09	7:29
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:29	0:20	0:41	0:16	2:32	0:04	0:00	0:26
Pedestrian	0:28	0:30	0:28	0:39	0:33	0:00	0:00	0:32
Police Activity	0:24	0:28	0:19	0:33	0:39	0:00	0:00	0:27
PSA	3:12	0:00	0:00	0:00	0:00	0:00	0:00	3:12
Road Work - Emergency	3:11	0:31	0:00	72:52	4:18	0:00	0:00	31:52
Road Work - Scheduled	8:20	7:08	4:32	5:17	5:03	0:12	0:00	5:50
Silver Alert	0:00	3:56	0:00	0:00	0:00	0:00	0:00	3:55
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	1:52	1:26	0:42	3:01	1:57	0:00	0:00	2:01
Visibility	2:40	4:11	2:45	0:00	0:00	0:00	0:00	2:54
Weather	2:43	2:37	2:45	4:23	2:11	0:00	0:00	3:00
Wildlife	0:46	0:17	0:35	1:04	0:58	0:00	0:00	0:46
Total Incidents	1:40	1:28	1:44	2:19	1:48	0:28	0:29	1:47





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
8110	843	10	2:41

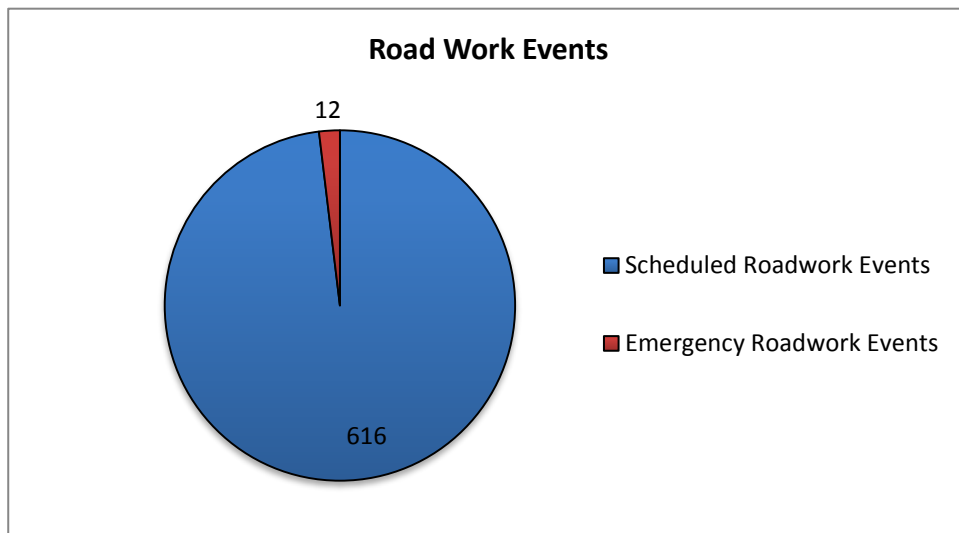
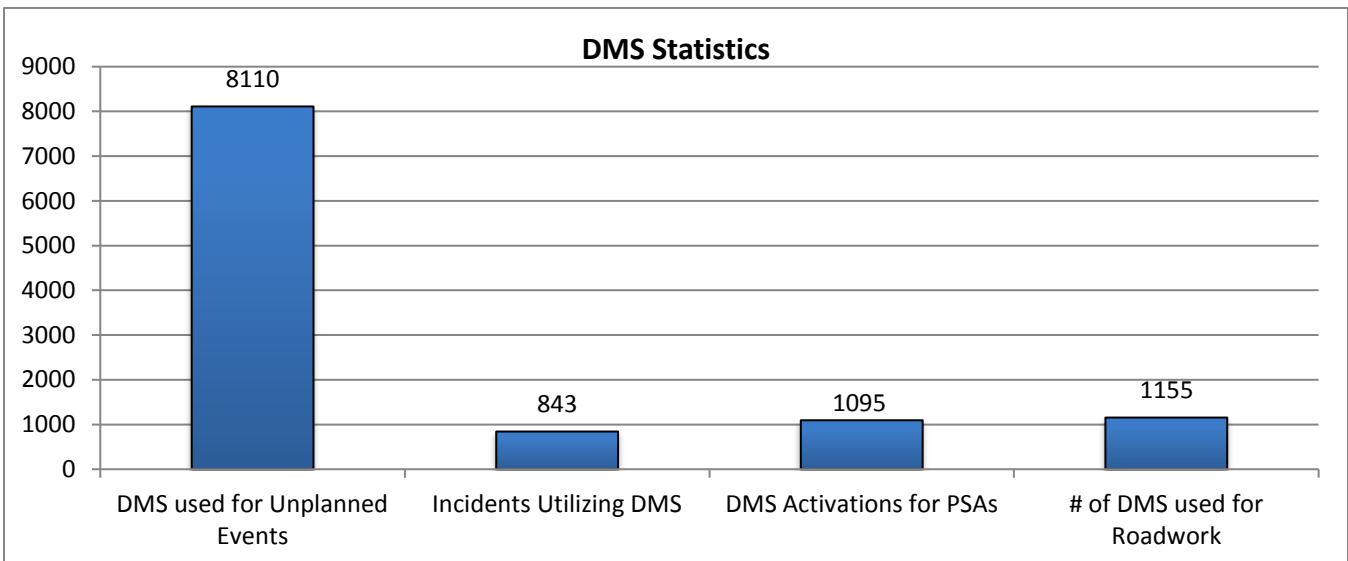
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
1095

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
616	12	628
# DMS Used for Road Work		Average # of DMS/Pattern
1155		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	11	Mile <49	0
Mile 49-79.9	619	Mile 49-79.9	762
Mile 80-100.9	782	Mile 80-100.9	601
Mile 101-104.9	91	Mile 101-104.9	68
Mile 105-106.9	86	Mile 105-106.9	115
Mile 107-110.9	196	Mile 107-110.9	175
Mile 111-115.9	171	Mile 111-115.9	128
Mile 116-122.9	393	Mile 116-122.9	387
Mile 123-127.9	327	Mile 123-127.9	212
Mile 128-130.9	169	Mile 128-130.9	146
Mile 131-135.9	300	Mile 131-135.9	213
Mile 136 -137.9	93	Mile 136 -137.9	67
Mile 138 -138.9	99	Mile 138 -138.9	53
Mile 139 - 140.9	145	Mile 139 - 140.9	65
Mile 141 - 142.9	121	Mile 141 - 142.9	98
Mile 143 - 157.9	552	Mile 143 - 157.9	421
Mile 158 - 160.9	85	Mile 158 - 160.9	71
Mile 161 - 163.9	101	Mile 161 - 163.9	72
Mile 164 - 166.9	78	Mile 164 - 166.9	92
Mile 167 -169.9	62	Mile 167 -169.9	75
Mile 170 - 178.9	175	Mile 170 - 178.9	173
Mile 179 - 181.9	91	Mile 179 - 181.9	69
Mile 182 - 190.9	261	Mile 182 - 190.9	230
Mile 191 - 192.9	100	Mile 191 - 192.9	116
Mile 193 - 194.9	84	Mile 193 - 194.9	91
Mile 195 -199.9	176	Mile 195 -199.9	145
Mile 200 - 204.9	217	Mile 200 - 204.9	247
Mile 205 - 206.9	138	Mile 205 - 206.9	77
Mile 207 - 209.9	122	Mile 207 - 209.9	127
Mile 210 -212.9	248	Mile 210 -212.9	150
Mile 213 - 216.9	363	Mile 213 - 216.9	310
Mile 217 - 219.9	224	Mile 217 - 219.9	215
Mile 220 - 223.9	243	Mile 220 - 223.9	214
Mile 224 -227.9	185	Mile 224 -227.9	182
Mile 228 - 228.9	50	Mile 228 - 228.9	58
Mile 229 -229.9	5	Mile 229 -229.9	6
Mile 230 - 239.9	3	Mile 230 - 239.9	2
> Mile 240	0	> Mile 240	0
North Total	7166	South Total	6233

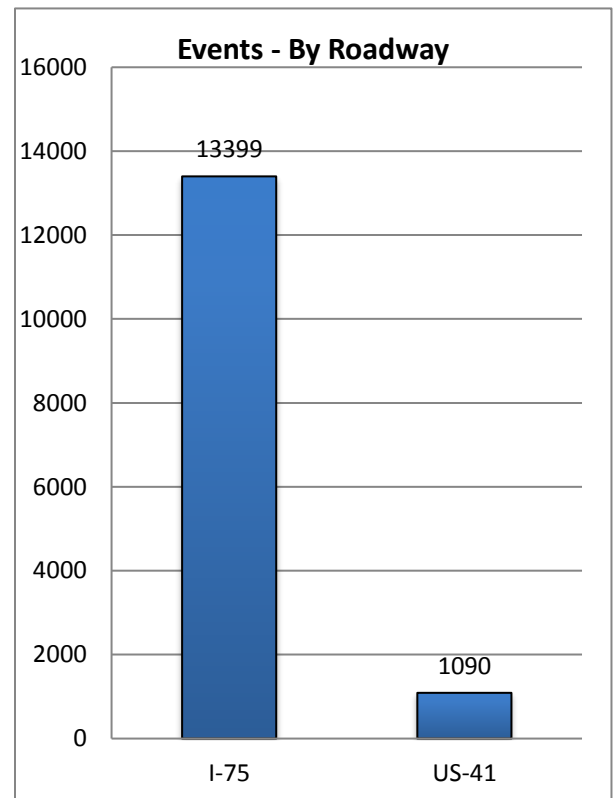
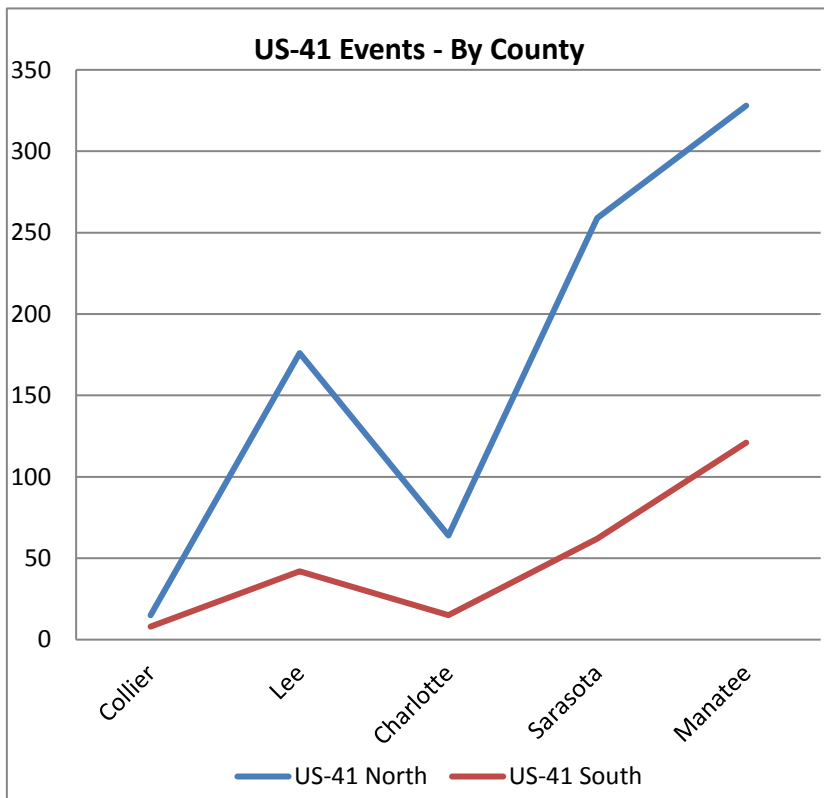
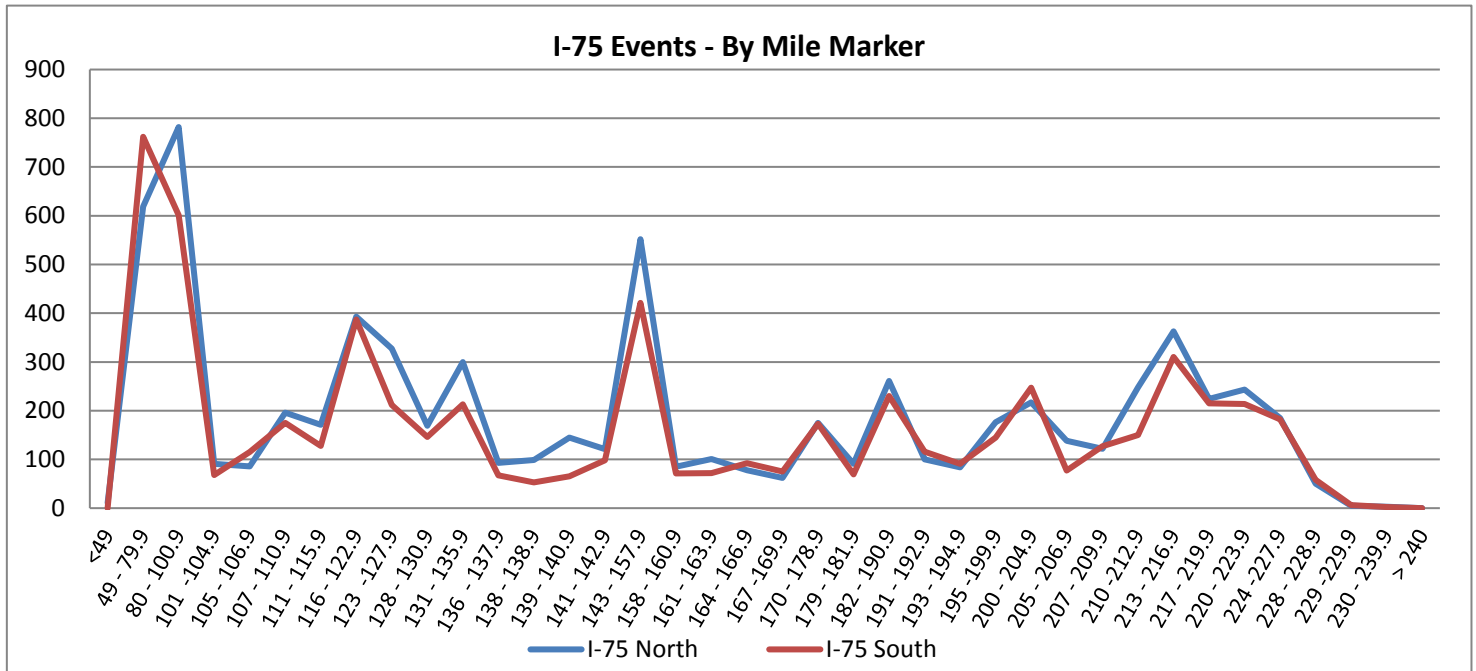
US-41 Northbound	
Collier	15
Lee	176
Charlotte	64
Sarasota	259
Manatee	328
North Total	842

US-41 Southbound	
Collier	8
Lee	42
Charlotte	15
Sarasota	62
Manatee	121
South Total	248

Total Events on US-41
1090

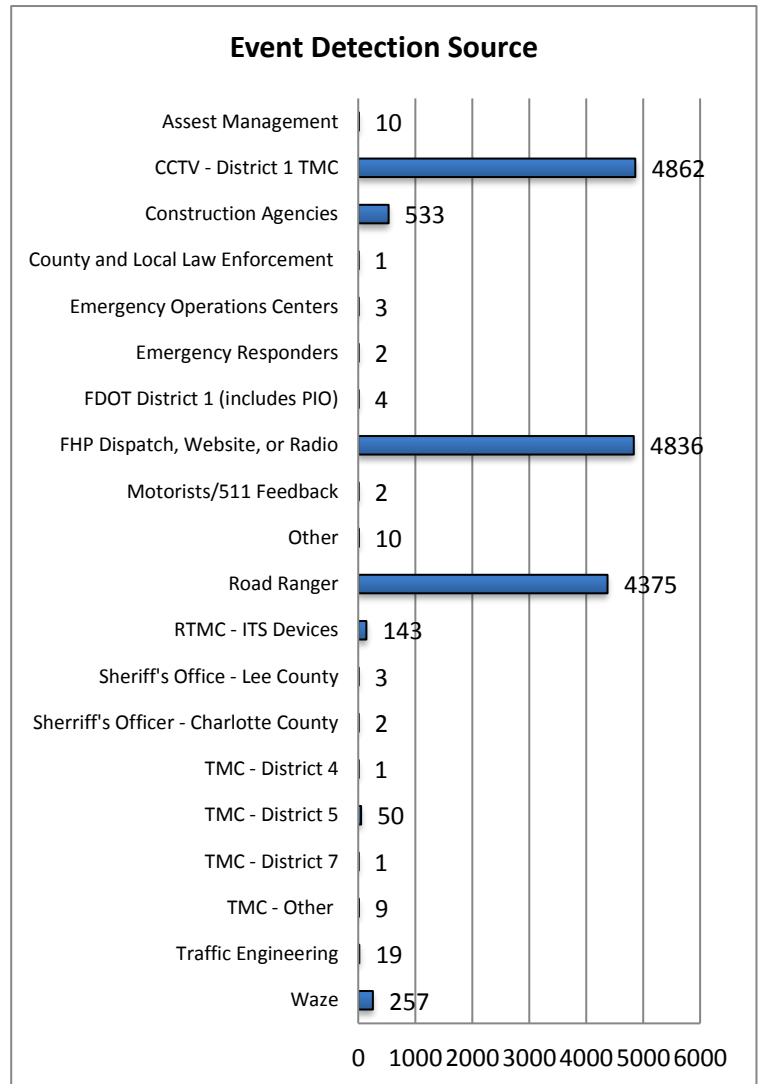
Total Events on I-75
13399

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





16. Event Detection Source:		
Assest Management (includes Dbi & ICA)	10	0.1%
CCTV - District 1 TMC	4862	32.1%
CCTV - Other	0	0.0%
Construction Agencies	533	3.5%
County and Local Law Enforcement	1	0.0%
Emergency Operations Centers	3	0.0%
Emergency Responders	2	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	4	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	4836	32.0%
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	2	0.0%
Other	10	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	4375	28.9%
RTMC - ITS Devices (TSS & Safety Barrier)	143	0.9%
RTMC Scanner	0	0.0%
RTMC Staff (On Scene)	0	0.0%
Sherriff's Officer - Charlotte County	2	0.0%
Sheriff's Office - Collier County	0	0.0%
Sheriff's Office - Lee County	3	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	50	0.3%
TMC - District 7	1	0.0%
TMC - Other	9	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	19	0.1%
Waze	257	1.7%
Total Number of Incidents	15123	100.0%

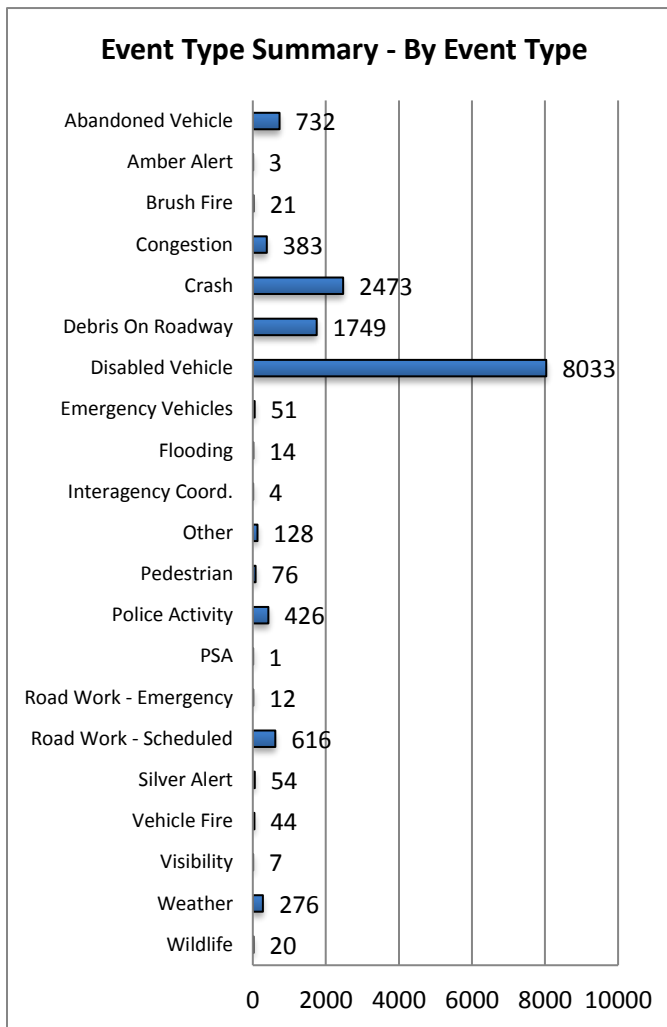


Note: Event Detection Source Categories listed as zero are not included in the above chart.



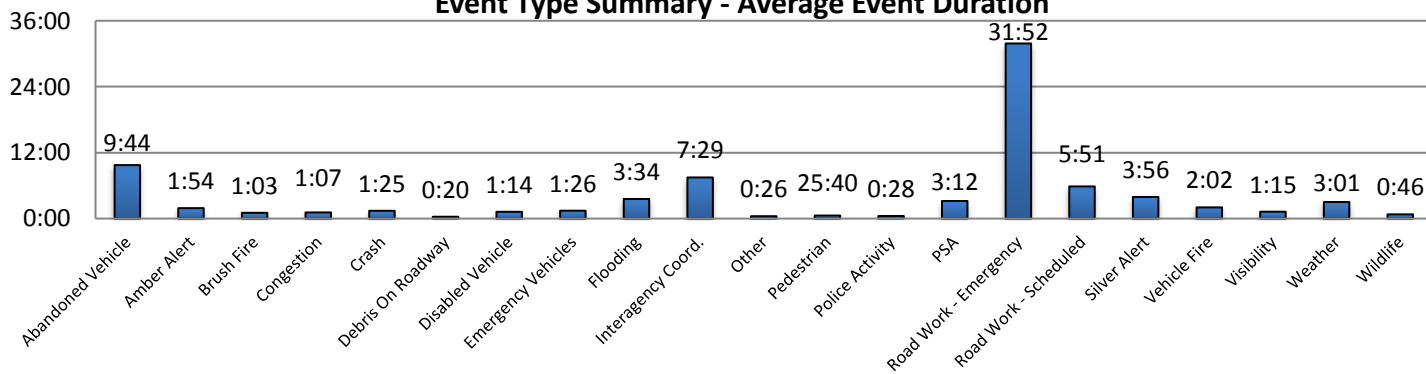
17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	732	2:38	9:44
Amber Alert	3	0:00	1:54
Bridge Work	0	0:00	0:00
Brush Fire	21	0:53	1:03
Congestion	383	0:01	1:07
Crash	2473	1:00	1:25
Debris On Roadway	1749	0:12	0:20
Disabled Vehicle	8033	0:23	1:14
Emergency Vehicles	51	1:08	1:26
Evacuation	0	0:00	0:00
Flooding	14	0:31	3:34
Interagency Coord.	4	0:00	7:29
LEO Alert	0	0:00	0:00
Other	128	0:05	0:26
Pedestrian	76	0:07	0:33
Police Activity	426	0:20	0:28
PSA	1	0:00	3:12
Road Work - Emergency	12	0:31	31:52
Road Work - Scheduled	616	0:08	5:51
Silver Alert	54	0:03	3:56
Special Event	0	0:00	0:00
Vehicle Fire	44	1:30	2:02
Visibility	7	0:00	1:15
Weather	276	0:01	3:01
Wildlife	20	0:26	0:46
Total Events	15123	0:35	3:56



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 &
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

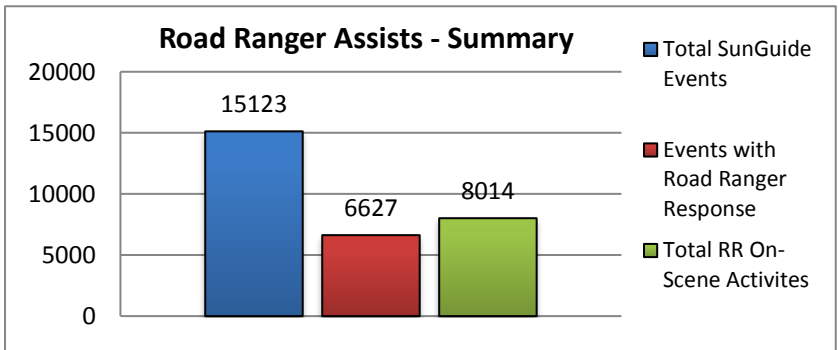
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

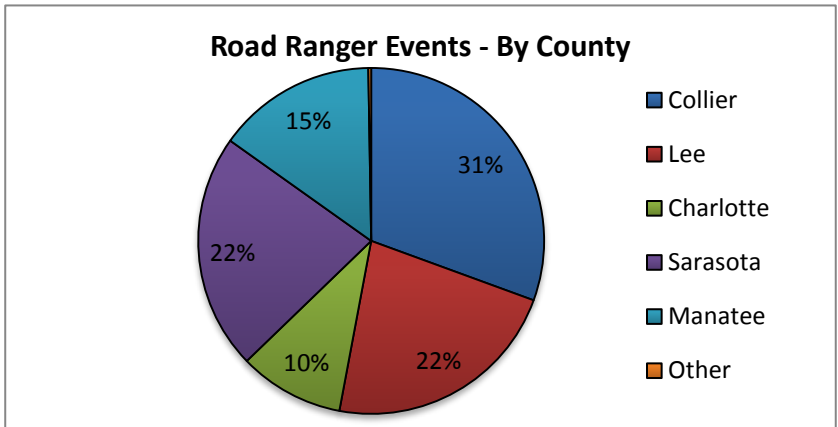
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	15123
Events with Road Ranger Response	6627
Total RR On-Scene Activities	8014
Average Activities/Assisted Event	1.21
% of Events Assisted	43.82%



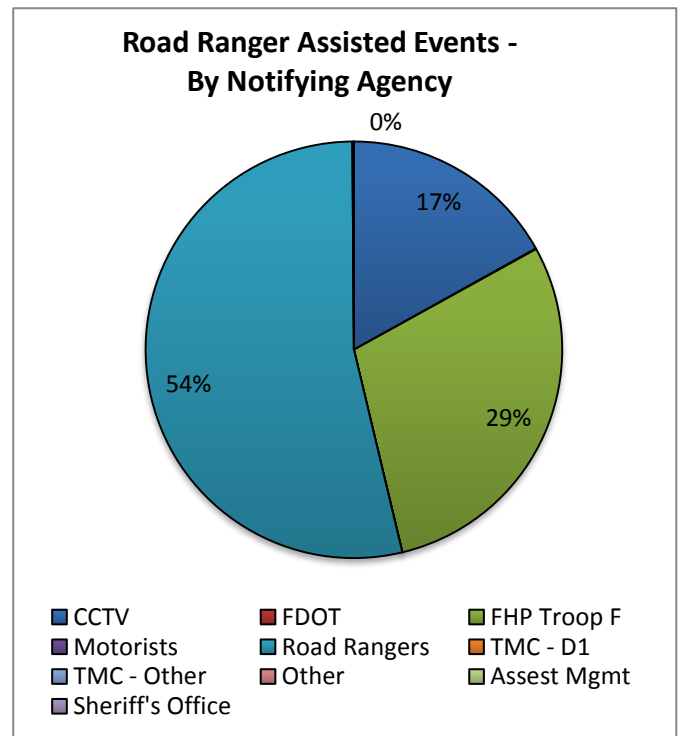
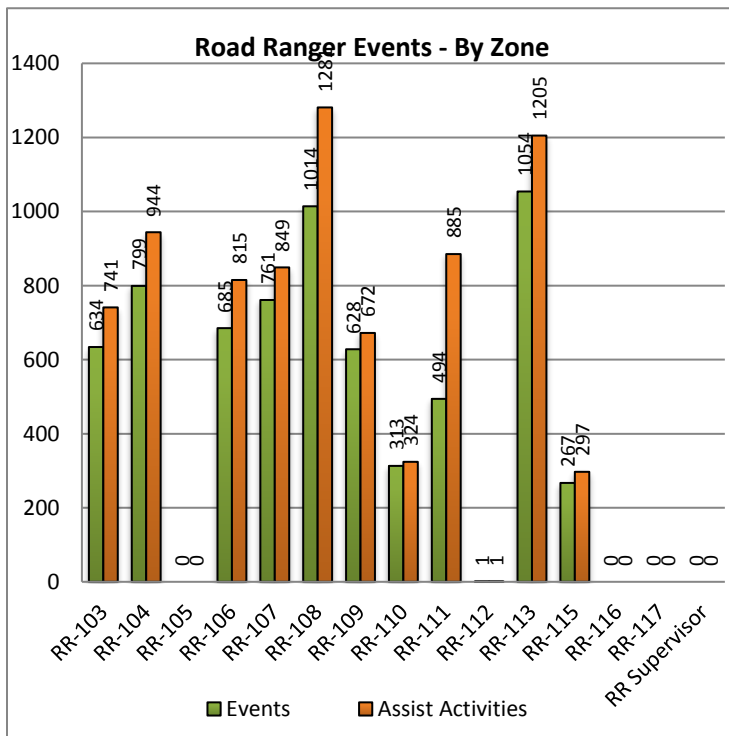
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	2525
Lee	1847
Charlotte	812
Sarasota	1821
Manatee	1230
Other	22
Totals	8257





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	634	741
RR-104	799	944
RR-105	0	0
RR-106	685	815
RR-107	761	849
RR-108	1014	1281
RR-109	628	672
RR-110	313	324
RR-111	494	885
RR-112	1	1
RR-113	1054	1205
RR-115	267	297
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	6650	8014

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	1378	16.7%
FDOT	4	0.0%
FHP Troop F	2386	28.9%
Motorists	1	0.0%
Road Rangers	4367	52.9%
TMC - D1	8	0.1%
TMC - Other	0	0.0%
Other	2	0.0%
Assesst Mgmt	0	0.0%
Sheriff's Office	0	0.0%
Waze	111	1.3%
Totals	8257	100.0%

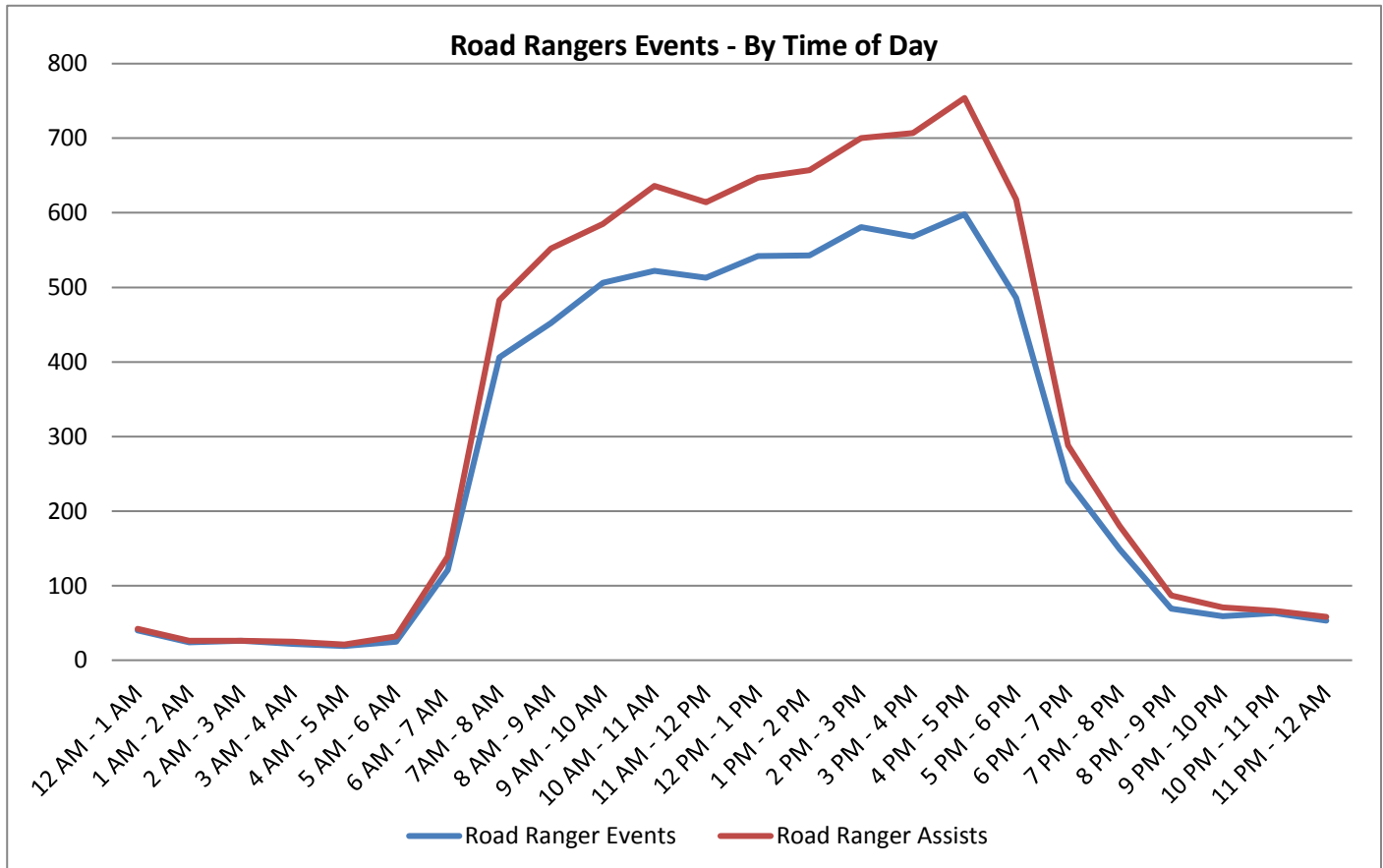




**22. Road Ranger Assisted Events -
By Time of Day:**

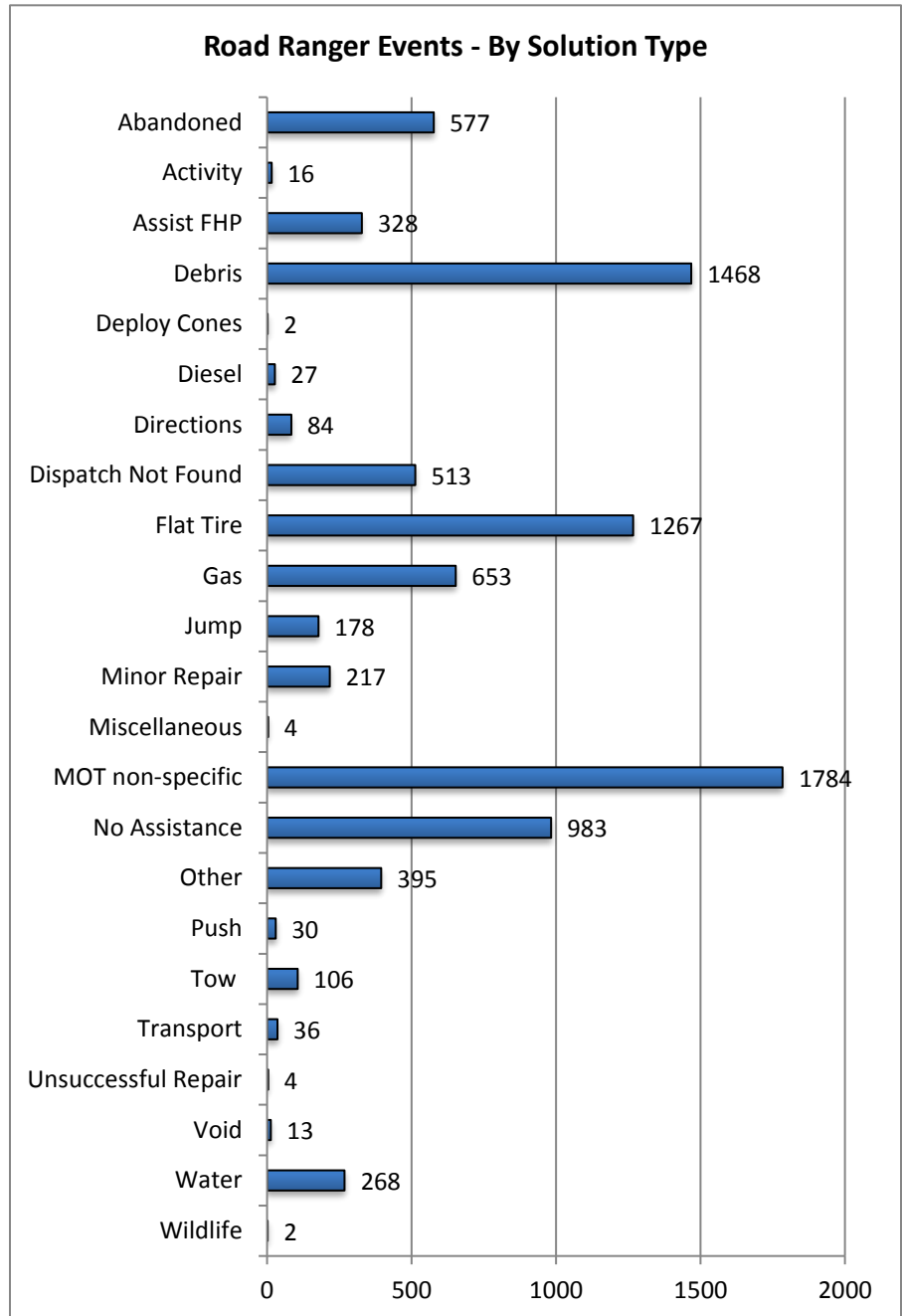
Time of Day	RR Events	RR Assists
12 AM - 1 AM	40	42
1 AM - 2 AM	24	26
2 AM - 3 AM	26	26
3 AM - 4 AM	22	25
4 AM - 5 AM	19	21
5 AM - 6 AM	25	32
6 AM - 7 AM	121	139
7 AM - 8 AM	406	483
8 AM - 9 AM	452	552
9 AM - 10 AM	506	585
10 AM - 11 AM	522	636
11 AM - 12 PM	513	614

Time of Day	RR Events	RR Assists
12 PM - 1 PM	542	647
1 PM - 2 PM	543	657
2 PM - 3 PM	581	700
3 PM - 4 PM	568	707
4 PM - 5 PM	598	754
5 PM - 6 PM	486	618
6 PM - 7 PM	240	288
7 PM - 8 PM	149	180
8 PM - 9 PM	69	87
9 PM - 10 PM	59	71
10 PM - 11 PM	63	66
11 PM - 12 AM	53	58
Totals	6627	8014





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	617
Absorbant	0
Activity	19
Assist FHP	313
Bleach	0
Cold Patch Asphalt	0
Debris	1186
Deploy Cones	0
Diesel	18
Directions	49
Dispatch Not Found	516
Flare	0
Flat Tire	1351
Flood Lamp	0
Gas	615
Jump	160
Livestock	0
Lockout	0
Minor Repair	169
Miscellaneous	5
MOT non-specific	1308
No Assistance	1015
Oil	0
Other	217
Phone	9
Portland Cement	0
Push	13
Radio	0
Tow	151
Translate	0
Transmission Fluid	0
Transport	41
Turbo Flare	0
Unsuccessful Repair	2
Void	25
Water	215
Wildlife	0
Total Assist Activities	8014



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