This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report for July, 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:
5109

Total Number of SunGuide and Lane Blocking Events

2. Number of Lane Blocking Events:
313

3. Number of RISC Events:
1

Number of RISC, ESS, and Saftey Barrier Events

4. Number of ESS Events:
240

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	0:50
Average Incident Duration From First Responder Notified to Travel Lane Open	1:02
Average Incident Duration From First Responder Notified to Normal Traffic	1:29

Average Event Times

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	5109
Number of Lane Blocking Events	313
Number of Secondary Incidents	47
Average Blockage Duration	1:43
Average Event Duration	2:18
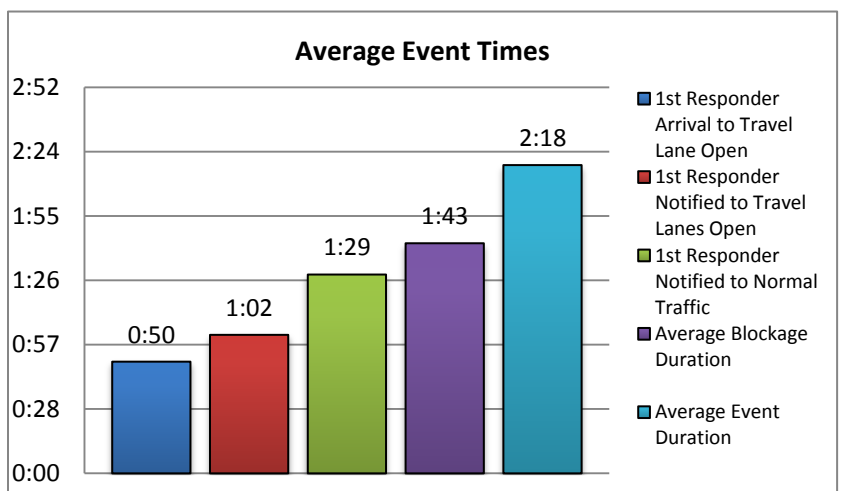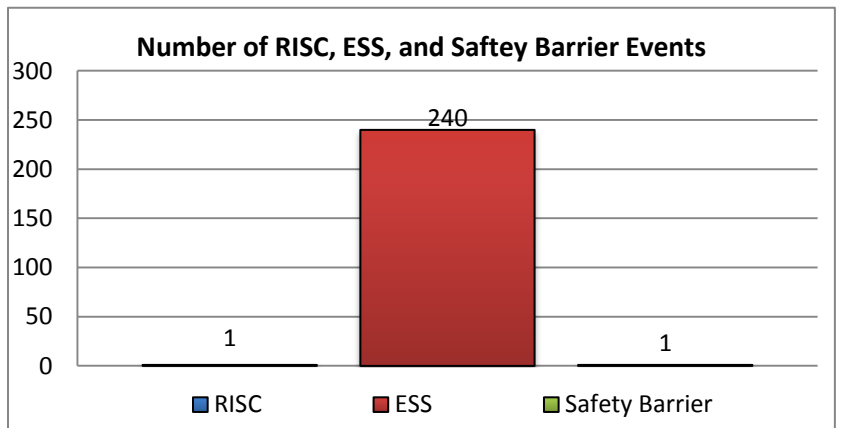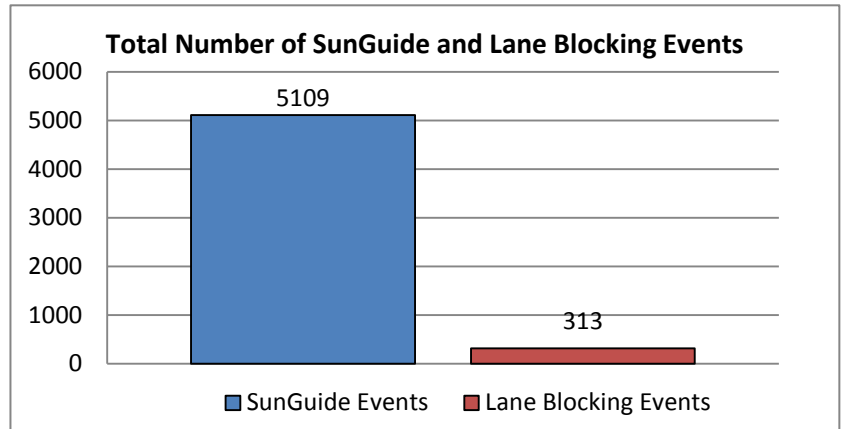
Note: Table 6 includes lane blocking incidents for I-75 and only includes Crash, Debris on Roadway, Disabled Vehicles, Emergency Vehicles, Flooding, Other, Pedestrian, Police Activity, and Vehicle Fire Events.

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	37	46	34	75	27	-
US-41	1	26	10	7	28	-
I-275	-	-	-	-	0	-
Arterials	3	5	4	2	0	5
Total Incidents	41	77	48	84	55	5

Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	3	-	222
US-41	0	0	-	-	72
I-275	0	-	-	-	0
Arterials	0	0	0	0	19
Total Incidents	0	0	3	0	313

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

Lane Blocking Incidents - By County
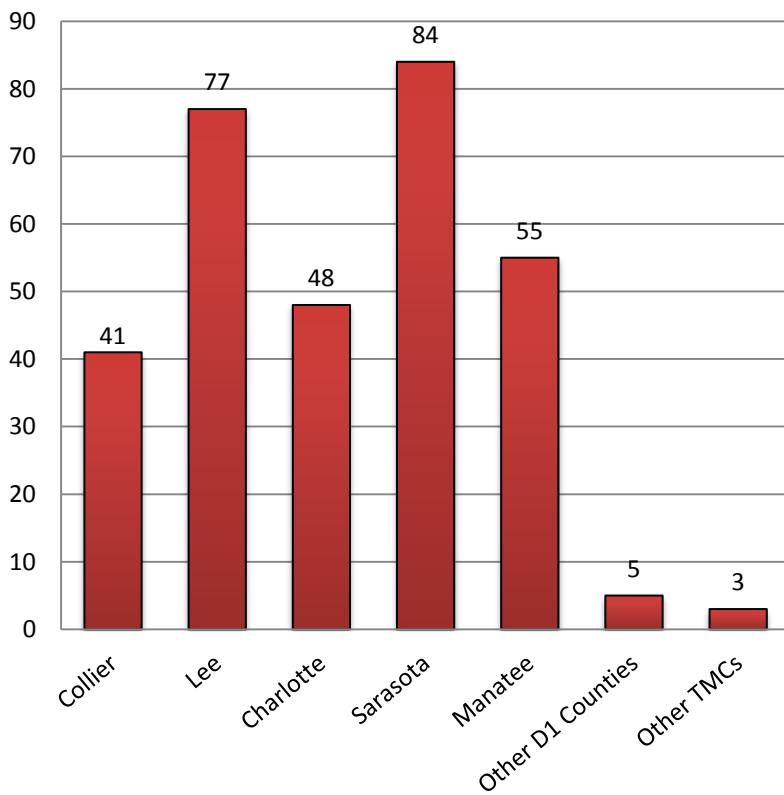
Lane Blocking Incidents - By Roadway
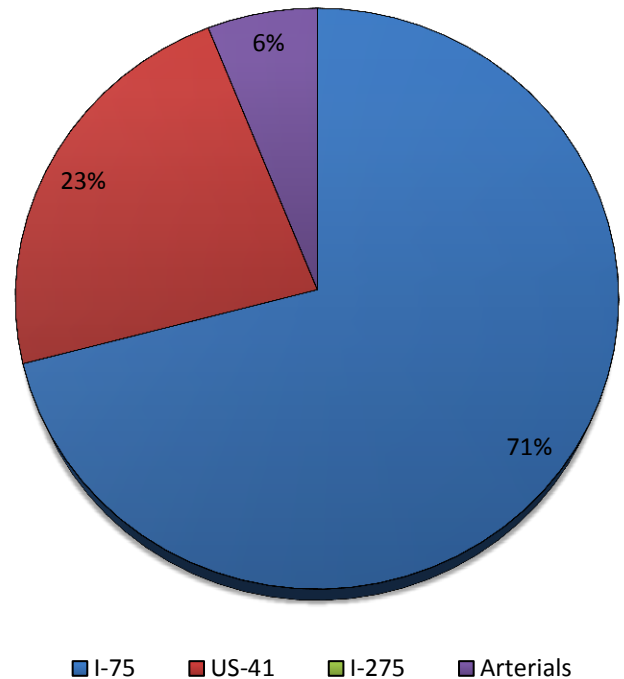
9. LANE BLOCKING INCIDENTS - By Incident Level:											
	Collier County			Lee County			Charlotte County			Sarasota County		
		Lane	Event		Lane	Event		Lane	Event		Lane	Event
	Events	Duration	Duration	Events	Duration	Duration	Events	Duration	Duration	Evevnts	Duration	Duration
Level 1	17	0:15	0:50	18	0:19	0:56	15	0:11	1:12	40	0:11	1:17
Level 2	5	0:49	1:18	29	1:02	1:18	10	0:55	1:20	30	0:55	1:17
Level 3	7	4:06	4:43	13	1:52	2:12	4	1:06	2:03	7	1:59	2:26
Other*	12*	7:15	7:20	17*	4:55	5:00	19*	5:55	6:39	7*	4:14	4:22
Totals	29	1:16	1:51	60	0:59	1:23	29	0:33	1:21	77	0:37	1:23

	Manatee County			Other Dist 1 Counties			Other Distrcit TMCs			Total		
		Lane	Event		Lane	Event		Lane	Event		Lane	Event
	Events	Duration	Duration	Events	Duration	Duration	Events	Duration	Duration	Evevnts	Duration	Duration
Level 1	28	0:13	1:12	0	0:00	0:00	2	0:23	0:28	120	0:13	1:07
Level 2	12	1:02	1:47	0	0:00	0:00	0	0:00	0:00	86	0:57	1:21
Level 3	11	1:17	2:00	3	10:01	10:40	1	0:12	0:16	46	2:30	3:04
Other*	4*	0:49	0:50	2*	8:26	8:36	0*	0:00	0:00	61*	5:27	5:44
Totals	51	0:38	1:30	3	10:01	10:40	3	0:19	0:24	252	0:53	1:33

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

Lane Blocking Incidents - By Incident Level

Lane Blocking Incidents - Lane and Event Duration
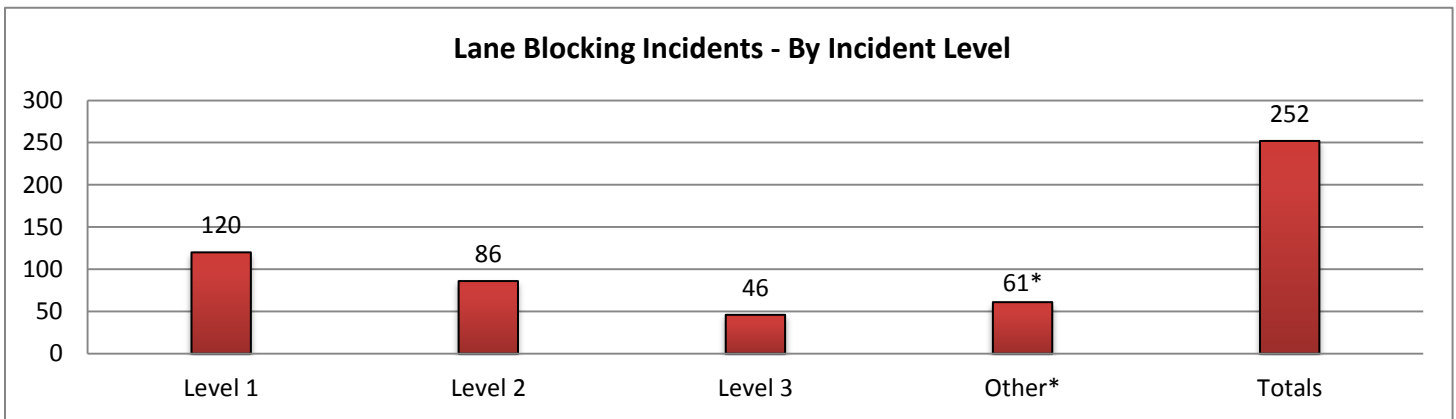
10. SunGuide Events - by Event Type:
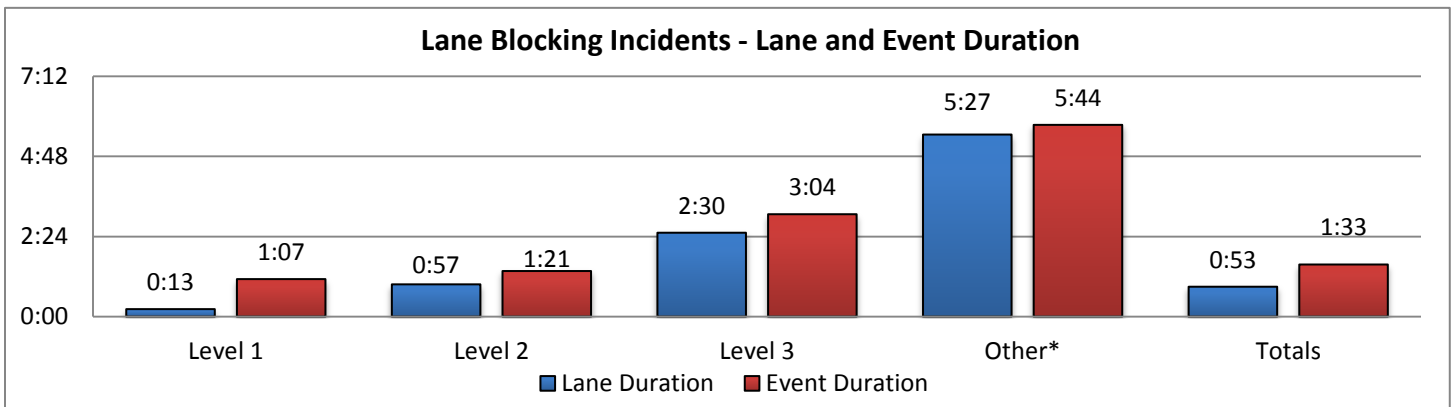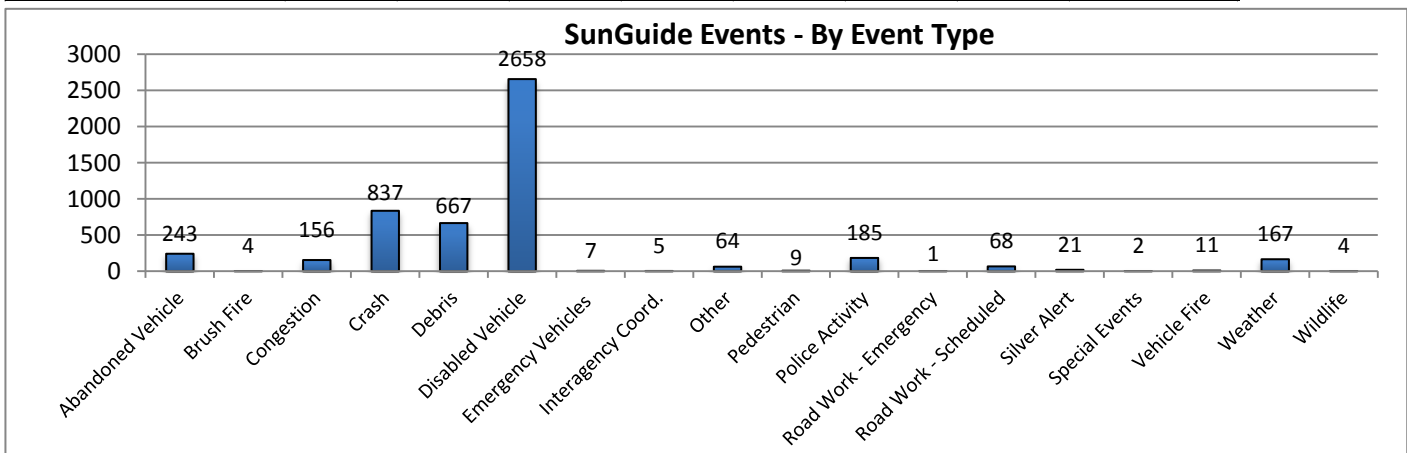
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	50	78	22	64	27	0	2	243
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	2	0	0	1	1	0	0	4
Congestion	3	14	3	51	85	0	0	156
Crash	66	182	59	301	220	9	0	837
Debris	100	141	87	184	153	0	2	667
Disabled Vehicle	940	626	150	523	413	0	6	2658
Emergency Vehicles	1	2	1	1	2	0	0	7
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	3	5
LEO Alerts	0	0	0	0	0	0	0	0
Other	6	25	4	16	10	2	1	64
Pedestrian	0	3	1	3	2	0	0	9
Police Activity	47	84	11	26	17	0	0	185
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	0	0	0	1	0	0	0	1
Road Work - Scheduled	10	15	18	12	9	4	0	68
Silver Alert	0	19	0	0	2	0	0	21
Special Events	0	1	0	0	0	1	0	2
Vehicle Fire	3	4	2	2	0	0	0	11
Visibility	0	0	0	0	0	0	0	0
Weather	31	32	20	49	35	0	0	167
Wildlife	2	0	0	2	0	0	0	4
Total Incidents	1261	1226	378	1236	978	16	14	5109

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

SunGuide Events - By Event Type

| 11. SunGuide Event Duration (Average) - by Event Type:							
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	All Counties
Abandoned Vehicle	9:49	7:44	7:34	11:29	9:19	0:00	4:39	9:17
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	0:19	0:00	0:00	4:10	0:53	0:00	0:00	1:25
Congestion	0:48	0:46	0:46	1:19	0:58	0:00	0:00	1:03
Crash	1:30	1:07	1:05	1:12	1:16	1:00	0:00	1:12
Debris	0:15	0:14	0:16	0:30	0:16	0:00	0:02	0:19
Disabled Vehicle	0:56	0:54	1:05	1:23	1:33	0:00	0:17	1:07
Emergency Vehicles	1:03	1:10	2:04	0:47	0:23	0:00	0:00	1:00
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	0:20	0:00	0:08	0:12
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:31	0:33	0:16	0:17	0:17	0:08	0:05	0:24
Pedestrian	0:00	0:06	0:07	0:31	0:10	0:00	0:00	0:15
Police Activity	0:33	0:20	0:25	0:30	0:24	0:00	0:00	0:25
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	0:35	0:00	0:00	0:00	0:35
Road Work - Scheduled	8:11	5:38	7:04	4:02	1:38	3:19	0:00	5:26
Silver Alert	0:00	3:58	0:00	0:00	0:04	0:00	0:00	3:35
Special Events	0:00	5:18	0:00	0:00	0:00	3:33	0:00	4:25
Vehicle Fire	0:40	1:09	1:29	0:37	0:00	0:00	0:00	0:58
Visibility	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Weather	2:34	3:05	2:49	2:12	2:29	0:00	0:00	2:34
Wildlife	0:13	0:00	0:00	1:07	0:00	0:00	0:00	0:40
Total Incidents	1:20	1:24	1:37	1:45	1:26	1:38	0:49	1:29

SunGuide Event Duration - By County
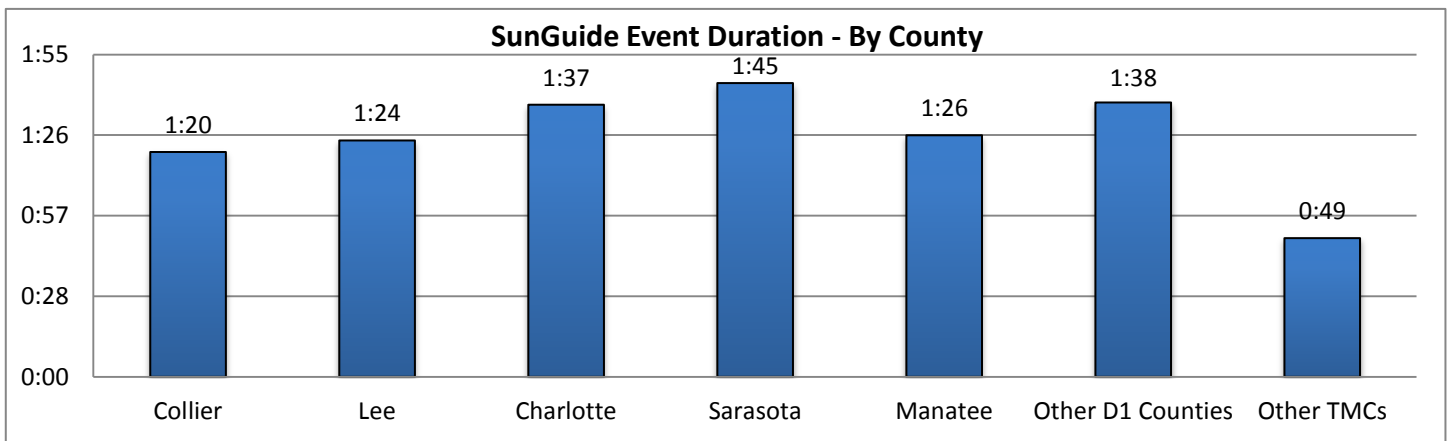
12. Event DMS Statistics:			
Number of DMS Used for Unplanned Events*:	Number of Incidents Utilizing DMS	Average Number of DMS per Incident	Average DMS Message Duration
2886	458	6	2:27

13. PSA - DMS Activations:
Number of Public Service Announcement DMS Activations
774

* The DMS used for "Unplanned Events" includes crashes, congestion, visibility, silver alerts, etc.

14. Road Work - DMS Statistics:		
Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
39	0	39
# DMS Used for Road Work	Average # of DMS/Pattern	
128	3	

DMS Statistics

Category	Value
DMS used for Unplanned Events	2886
Incidents Utilizing DMS	458
DMS Activations for PSAs	774
# of DMS used for Roadwork	128

Road Work Events

- Scheduled Roadwork Events: 39
- Emergency Roadwork Events: 0

15. Event Location - Summary By Exit Reference:

I-75 Northbound		I-75 Southbound	
Mile <49	4	Mile <49	0
Mile 49-79.9	172	Mile 49-79.9	222
Mile 80-100.9	245	Mile 80-100.9	230
Mile 101-104.9	35	Mile 101-104.9	17
Mile 105-106.9	43	Mile 105-106.9	37
Mile 107-110.9	69	Mile 107-110.9	61
Mile 111-115.9	60	Mile 111-115.9	58
Mile 116-122.9	131	Mile 116-122.9	143
Mile 123-127.9	99	Mile 123-127.9	63
Mile 128-130.9	46	Mile 128-130.9	43
Mile 131-135.9	93	Mile 131-135.9	52
Mile 136 -137.9	30	Mile 136 -137.9	18
Mile 138 -138.9	36	Mile 138 -138.9	27
Mile 139 - 140.9	66	Mile 139 - 140.9	27
Mile 141 - 142.9	38	Mile 141 - 142.9	25
Mile 143 - 157.9	132	Mile 143 - 157.9	127
Mile 158 - 160.9	31	Mile 158 - 160.9	26
Mile 161 - 163.9	29	Mile 161 - 163.9	20
Mile 164 - 166.9	22	Mile 164 - 166.9	24
Mile 167 -169.9	37	Mile 167 -169.9	29
Mile 170 - 178.9	79	Mile 170 - 178.9	57
Mile 179 - 181.9	37	Mile 179 - 181.9	34
Mile 182 - 190.9	102	Mile 182 - 190.9	102
Mile 191 - 192.9	26	Mile 191 - 192.9	49
Mile 193 - 194.9	25	Mile 193 - 194.9	27
Mile 195 -199.9	56	Mile 195 -199.9	47
Mile 200 - 204.9	90	Mile 200 - 204.9	82
Mile 205 - 206.9	58	Mile 205 - 206.9	23
Mile 207 - 209.9	49	Mile 207 - 209.9	44
Mile 210 -212.9	102	Mile 210 -212.9	76
Mile 213 - 216.9	108	Mile 213 - 216.9	105
Mile 217 - 219.9	95	Mile 217 - 219.9	64
Mile 220 - 223.9	78	Mile 220 - 223.9	88
Mile 224 -227.9	86	Mile 224 -227.9	78
Mile 228 - 228.9	24	Mile 228 - 228.9	19
Mile 229 -229.9	25	Mile 229 -229.9	3
Mile 230 - 239.9	13	Mile 230 - 239.9	1
> Mile 240	0	> Mile 240	0
North Total	2471	South Total	2148

US-41 Northbound	
Collier	10
Lee	69
Charlotte	18
Sarasota	97
Manatee	87
North Total	281

US-41 Southbound	
Collier	0
Lee	19
Charlotte	2
Sarasota	7
Manatee	48
South Total	76

Total Events on US-41
357

Total Events on I-75
4619

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

I-75 Events - By Mile Marker

Legend: ── I-75 North ── I-75 South

US-41 Events - By County

Legend: ── US-41 North ── US-41 South

Events - By Roadway

I-75: 4619
US-41: 357
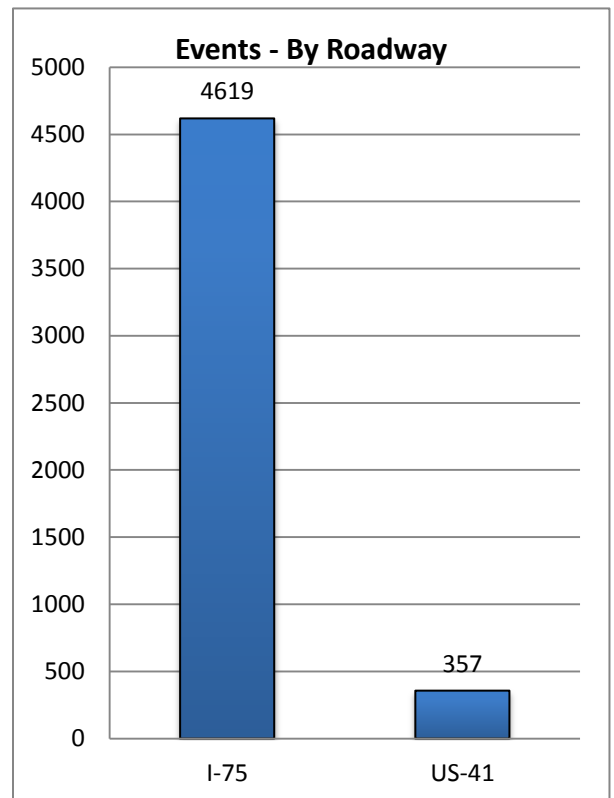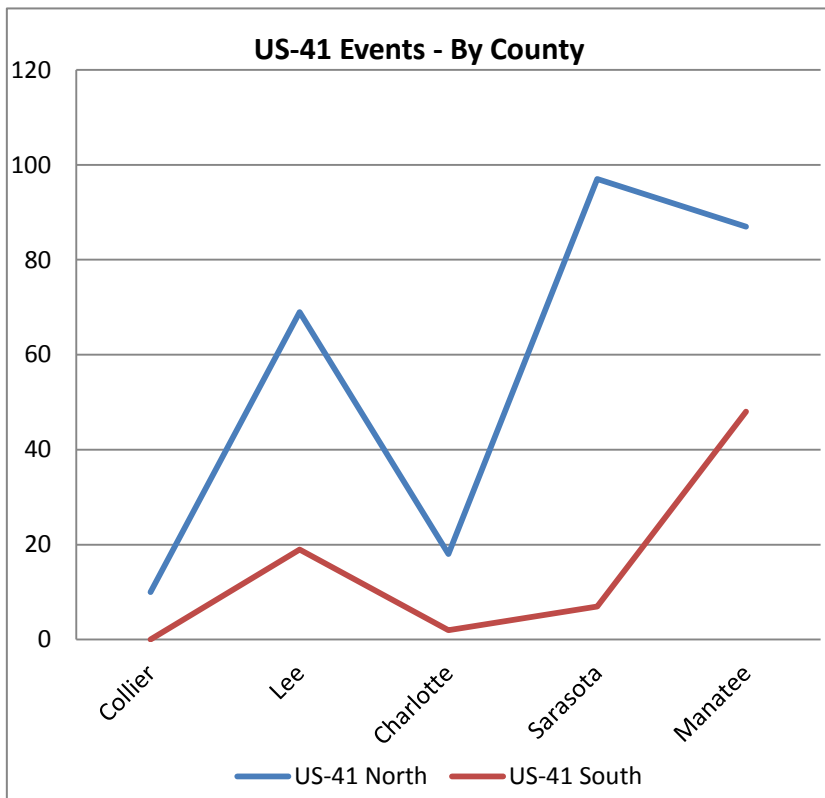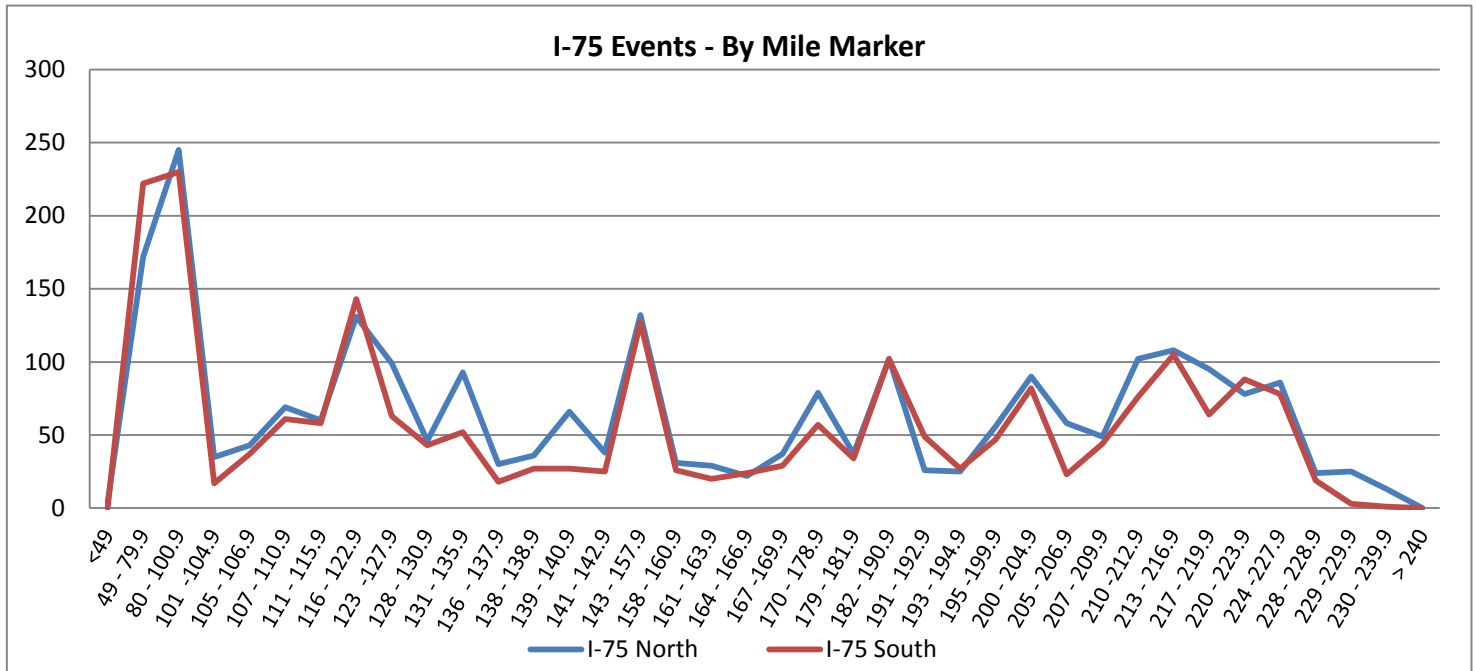
16. Event Detection Source:

| Source	Count	Percent
Assest Management (includes Dbi & ICA)	5	0.1%
CCTV - District 1 TMC	1612	31.6%
CCTV - Other	0	0.0%
Construction Agencies	45	0.9%
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)	1	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1466	28.7%
FHP Incident Alerts	0	0.0%
Fire Department	1	0.0%
HazMat/DEP	0	0.0%
MCCO	0	0.0%
Media	0	0.0%
Motorists/511 Feedback	1	0.0%
Other	4	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1595	31.2%
RTMC - ITS Devices (TSS & Safety Barrier)	87	1.7%
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	1	0.0%
Sheriff's Office - Sarasota County	0	0.0%
SW Florida Internantion Airport	0	0.0%
TMC - District 4	3	0.1%
TMC - District 5	21	0.4%
TMC - District 7	2	0.0%
TMC - Other	3	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	10	0.2%
Waze	251	4.9%
Total Number of Incidents	5109	100.0%

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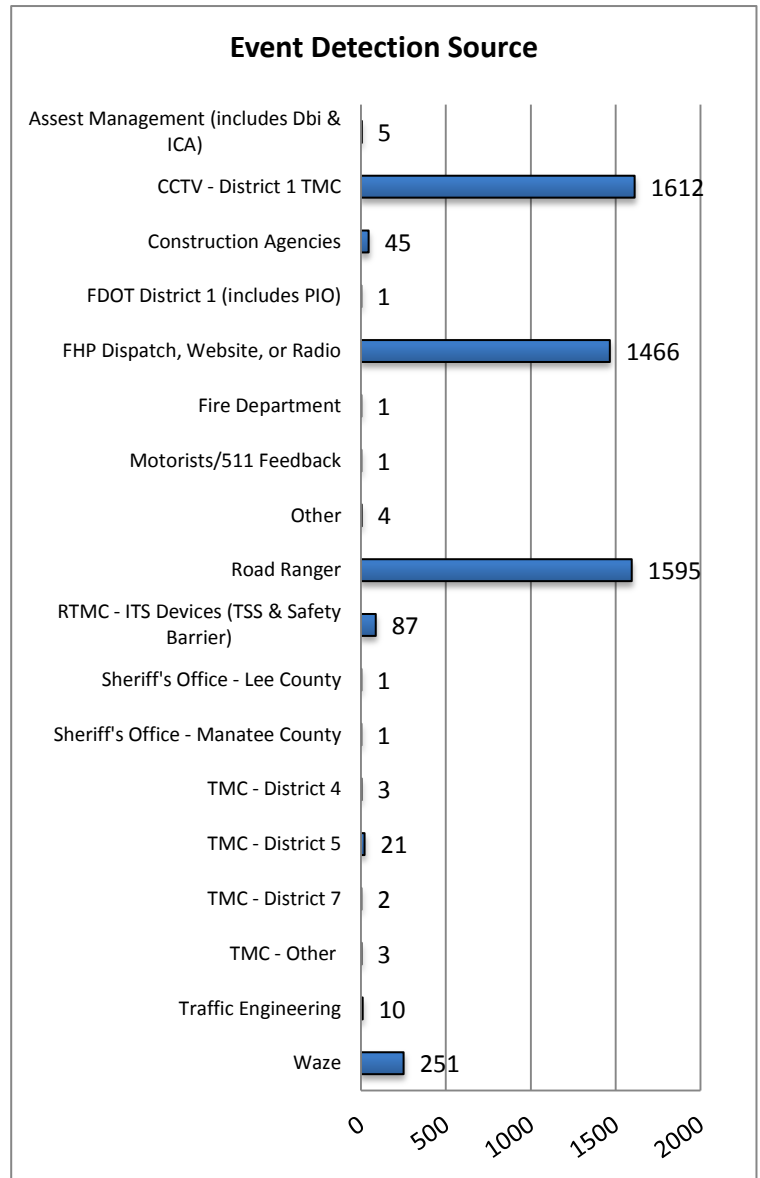
Note: Event Detection Source Categories listed as zero are not included in the above chart.

17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	243	1:51	9:19
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	4	0:09	1:25
Congestion	156	0:00	1:03
Crash	837	0:50	1:13
Debris On Roadway	667	0:11	0:19
Disabled Vehicle	2658	0:21	1:07
Emergency Vehicles	7	0:30	1:00
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	5	0:00	0:22
LEO Alert	0	0:00	0:00
Other	64	0:01	0:16
Pedestrian	9	0:01	0:16
Police Activity	185	0:17	0:26
PSA	0	0:00	0:00
Road Work - Emergency	1	0:00	0:35
Road Work - Scheduled	68	0:19	5:38
Silver Alert	21	0:00	3:36
Special Event	2	0:00	4:25
Vehicle Fire	11	0:50	0:59
Visibility	0	0:00	0:00
Weather	167	0:02	2:34
Wildlife	4	0:16	0:40
Total Events	5109	0:26	1:57

Event Type Summary - By Event Type
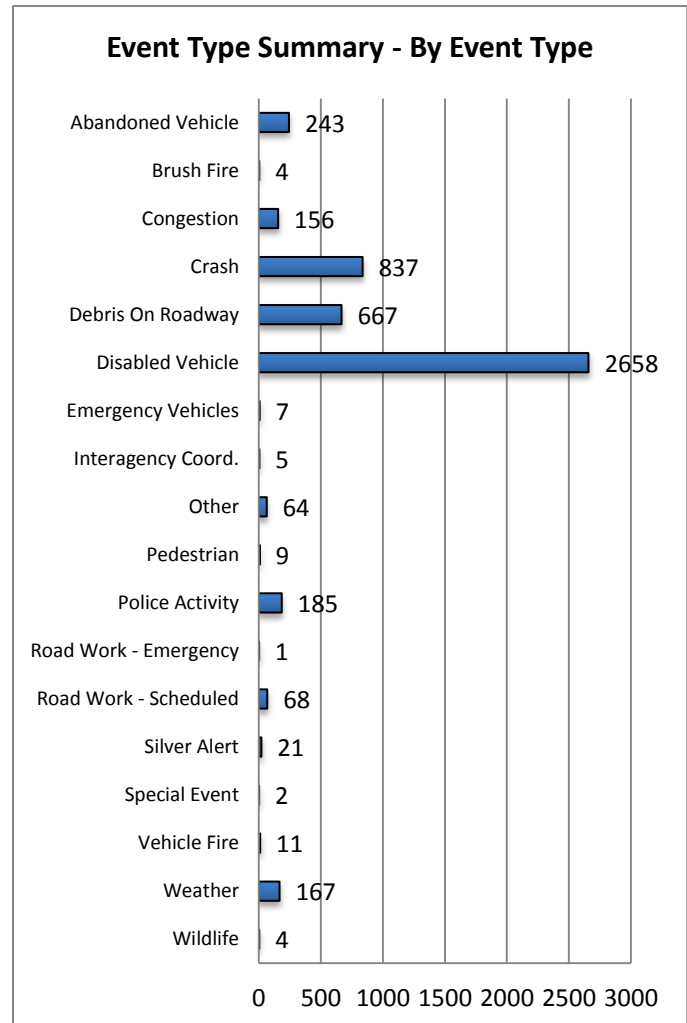
Note: Event Type Categories listed as zero are not included in these charts.

Event Type Summary - Average Event Duration
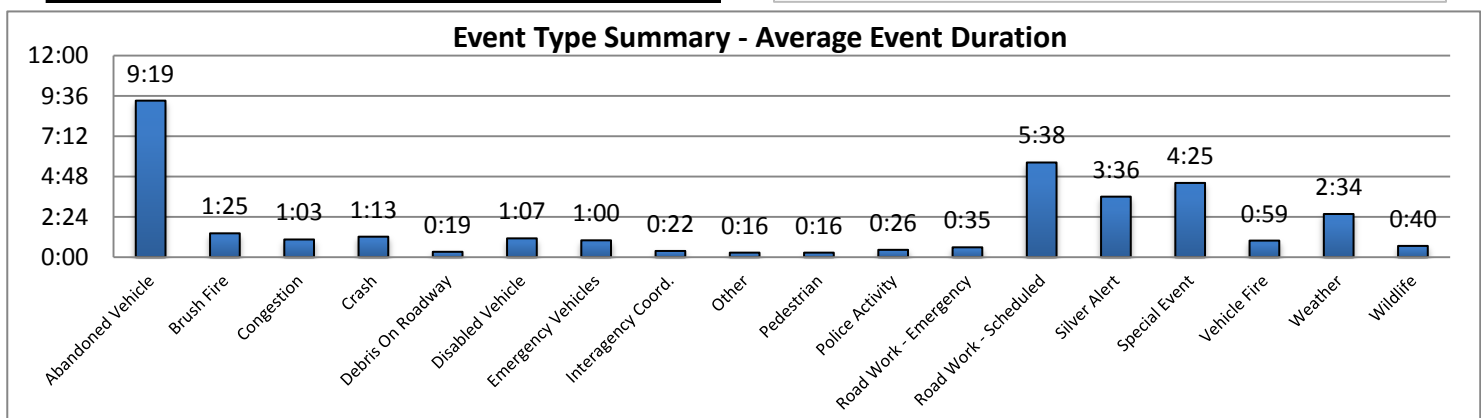
Road Ranger Information

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	5109
Events with Road Ranger Response	2251
Total RR On-Scene Activites	3678
Average Activities/Assisted Event	1.63
% of Events Assisted	44.06%

Road Ranger Assists - Summary
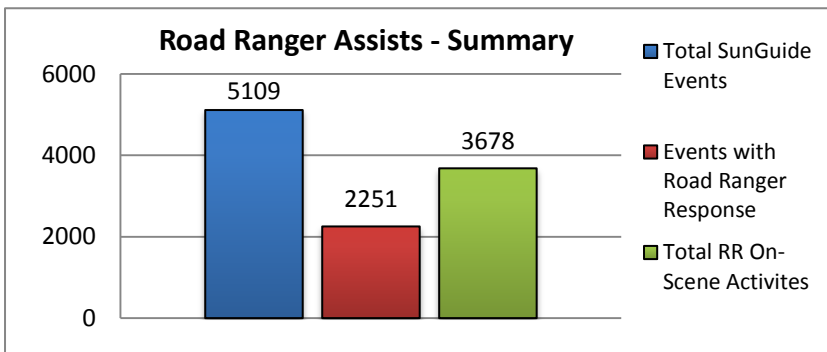
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	865
Lee	608
Charlotte	249
Sarasota	637
Manatee	477
Other	10
Totals	2846

Road Ranger Events - By County
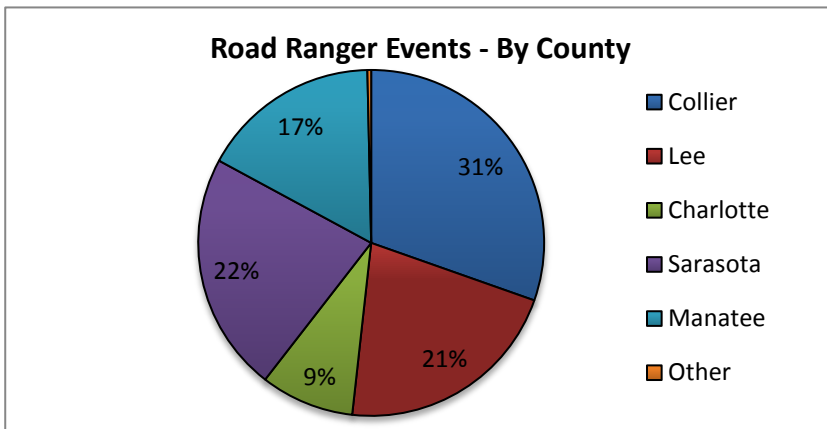
20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	202	277
RR-104	316	499
RR-105	0	0
RR-106	276	342
RR-107	242	284
RR-108	229	825
RR-109	236	261
RR-110	103	203
RR-111	218	481
RR-112	0	0
RR-113	381	447
RR-115	56	59
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2259	3678

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	376	13.2%
FDOT	1	0.0%
FHP Troop F	753	26.5%
Motorists	0	0.0%
Road Rangers	1594	56.0%
TMC - D1	6	0.2%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	2	0.1%
Sheriff's Office	0	0.0%
Waze	114	4.0%
Totals	2846	100.0%

Road Ranger Events - By Zone

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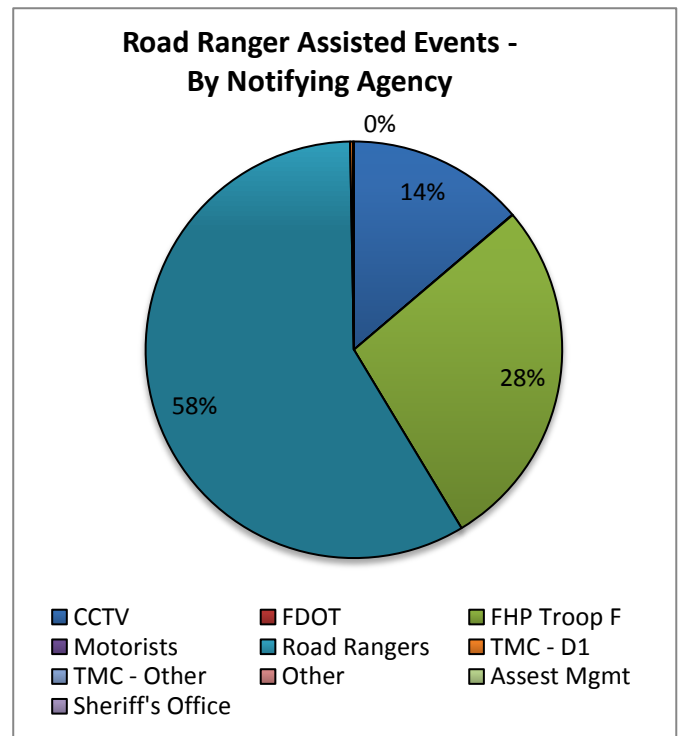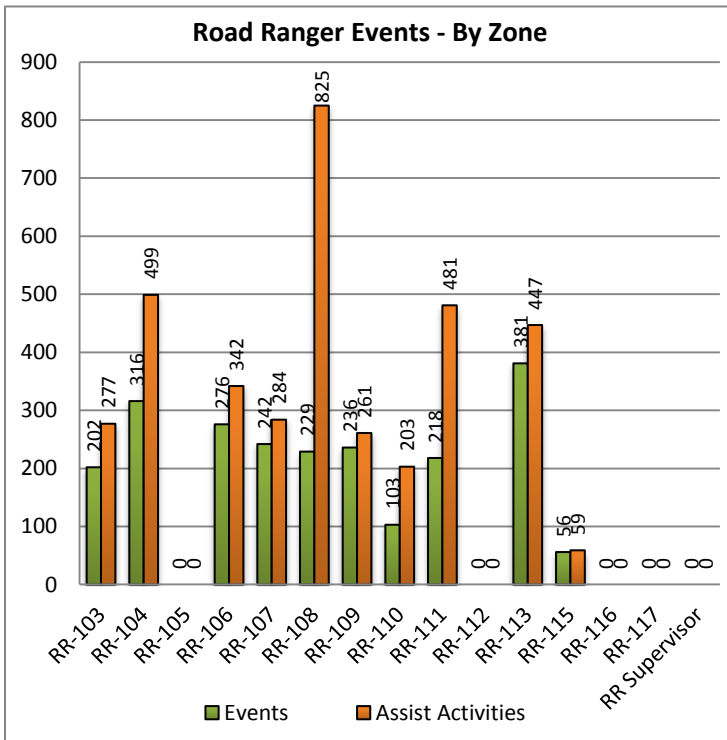
22. Road Ranger Assisted Events - By Time of Day:

Time of Day	RR Events	RR Assists	Time of Day	RR Events	RR Assists
12 AM - 1 AM	10	10	12 PM - 1 PM	170	262
1 AM - 2 AM	4	4	1 PM - 2 PM	202	345
2 AM - 3 AM	8	9	2 PM - 3 PM	187	338
3 AM - 4 AM	6	8	3 PM - 4 PM	206	386
4 AM - 5 AM	15	15	4 PM - 5 PM	183	314
5 AM - 6 AM	6	11	5 PM - 6 PM	166	252
6 AM - 7 AM	43	71	6 PM - 7 PM	102	160
7AM - 8 AM	135	204	7 PM - 8 PM	59	81
8 AM - 9 AM	147	260	8 PM - 9 PM	34	50
9 AM - 10 AM	158	243	9 PM - 10 PM	23	30
10 AM - 11 AM	188	307	10 PM - 11 PM	19	32
11 AM - 12 PM	175	281	11 PM - 12 AM	5	5
			Totals	2251	3678

Road Rangers Events - By Time of Day
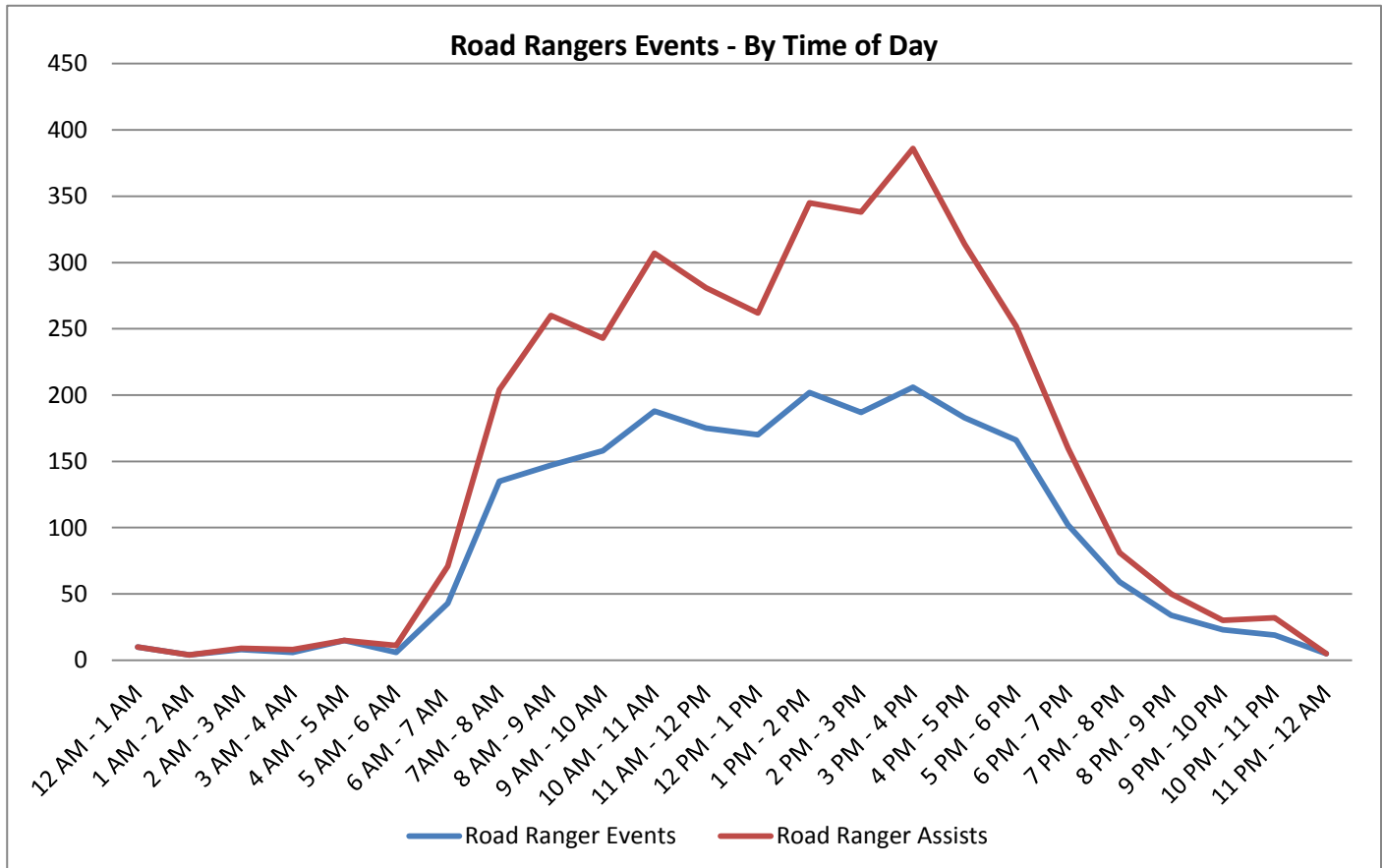
23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	178
Absorbant	0
Activity	6
Assist FHP	179
Bleach	0
Cold Patch Asphalt	0
Debris	652
Deploy Cones	0
Diesel	4
Directions	55
Dispatch Not Found	194
Flare	0
Flat Tire	489
Flood Lamp	0
Gas	287
Jump	73
Livestock	0
Lockout	0
Minor Repair	114
Miscellaneous	3
MOT non-specific	666
No Assistance	359
Oil	0
Other	220
Phone	0
Portland Cement	0
Push	5
Radio	0
Tow	47
Translate	0
Transmission Fluid	0
Transport	19
Turbo Flare	0
Unsuccessful Repair	0
Void	13
Water	115
Wildlife	0
Total Assist Activities	3678

Road Ranger Events - By Solution Type

Solution Type	Value
Abandoned	178
Activity	6
Assist FHP	179
Debris	652
Diesel	4
Directions	55
Dispatch Not Found	194
Flat Tire	489
Gas	287
Jump	73
Minor Repair	114
Miscellaneous	3
MOT non-specific	666
No Assistance	359
Other	220
Push	5
Tow	47
Transport	19
Void	13
Water	115
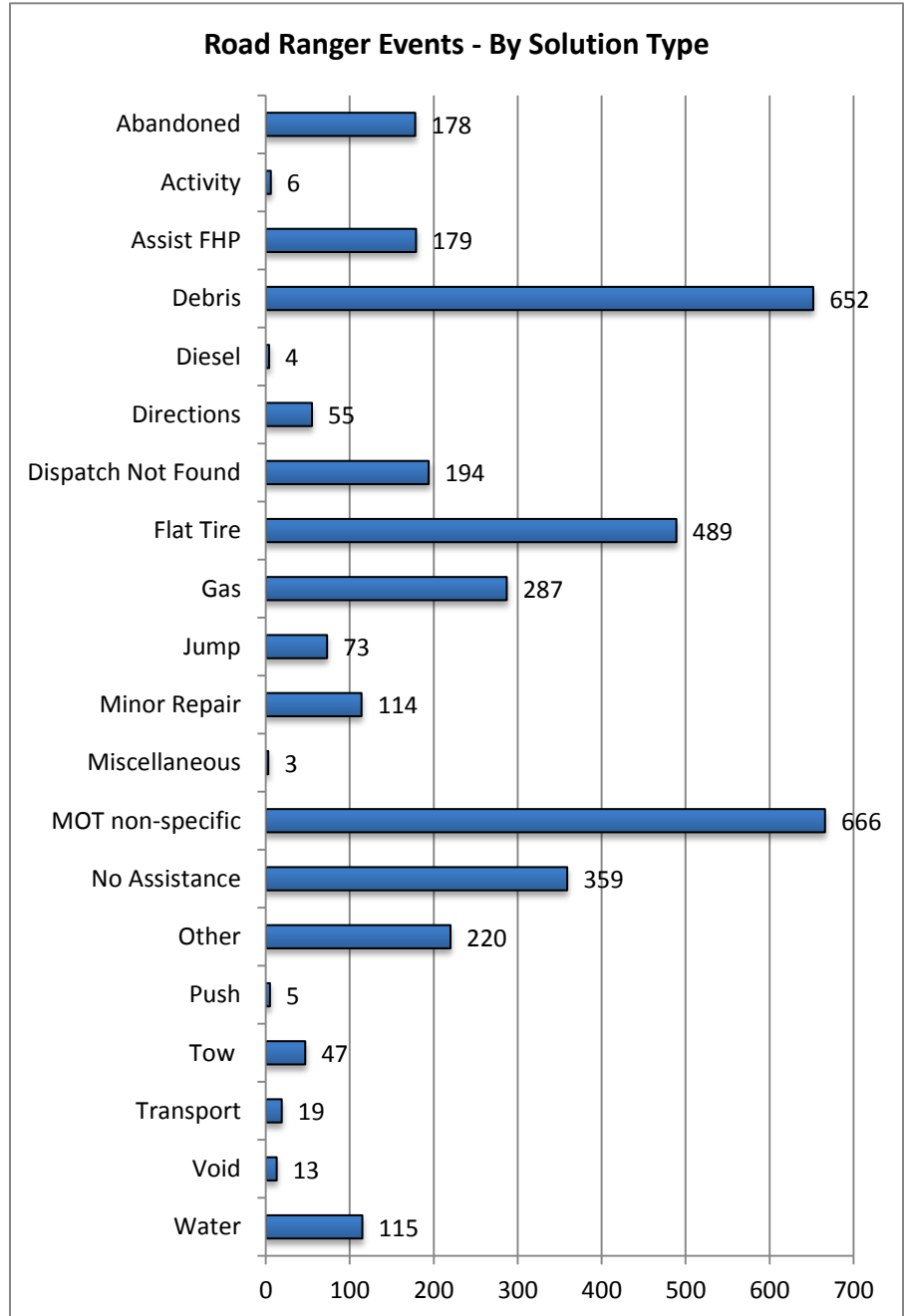
Note: Problem Type categories listed as zero are not included in the above chart.