This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report for September, 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:
4747

Total Number of SunGuide and Lane Blocking Events

2. Number of Lane Blocking Events:
353

3. Number of RISC Events:
2

Number of RISC, ESS, and Saftey Barrier Events

4. Number of ESS Events:
177

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	0:47
Average Incident Duration From First Responder Notified to Travel Lane Open	1:00
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	4747
Number of Lane Blocking Events	353
Number of Secondary Incidents	33
Average Blockage Duration	2:38
Average Event Duration	3:13
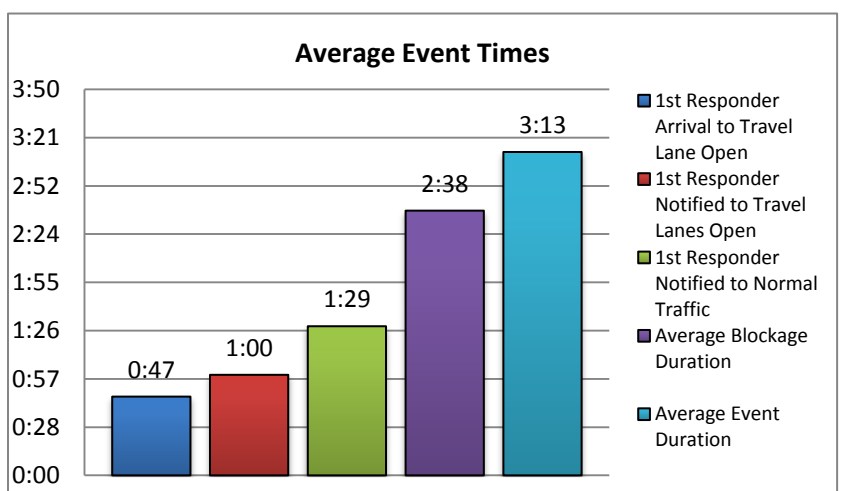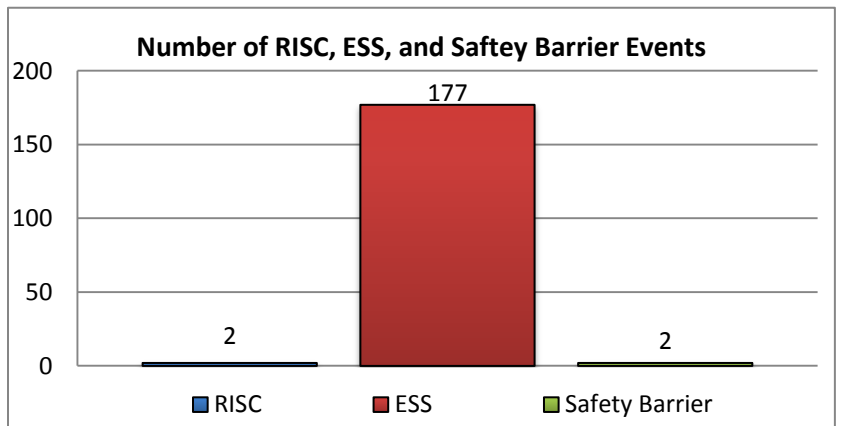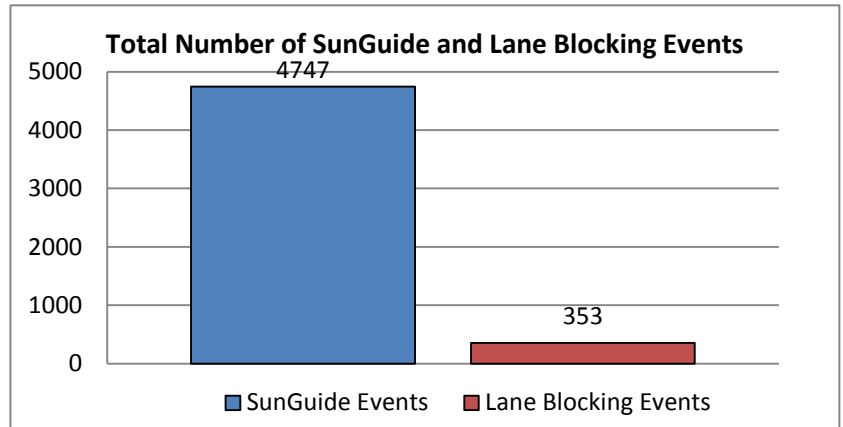
Note: Table 6 includes lane blocking incidents for I-75 and only includes Crash, Debris on Roadway, Disabled Vehicles, Emergency Vehicles, Flooding, Other, Pedestrian, Police Activity, and Vehicle Fire Events.

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	47	71	19	66	60	-
US-41	6	14	6	14	13	-
I-275	-	-	-	-	0	-
Arterials	1	5	2	18	9	1
Total Incidents	54	90	27	98	82	1

Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	1	-	264
US-41	0	0	-	-	53
I-275	0	-	-	-	0
Arterials	0	0	0	0	36
Total Incidents	0	0	1	0	353

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

Lane Blocking Incidents - By County
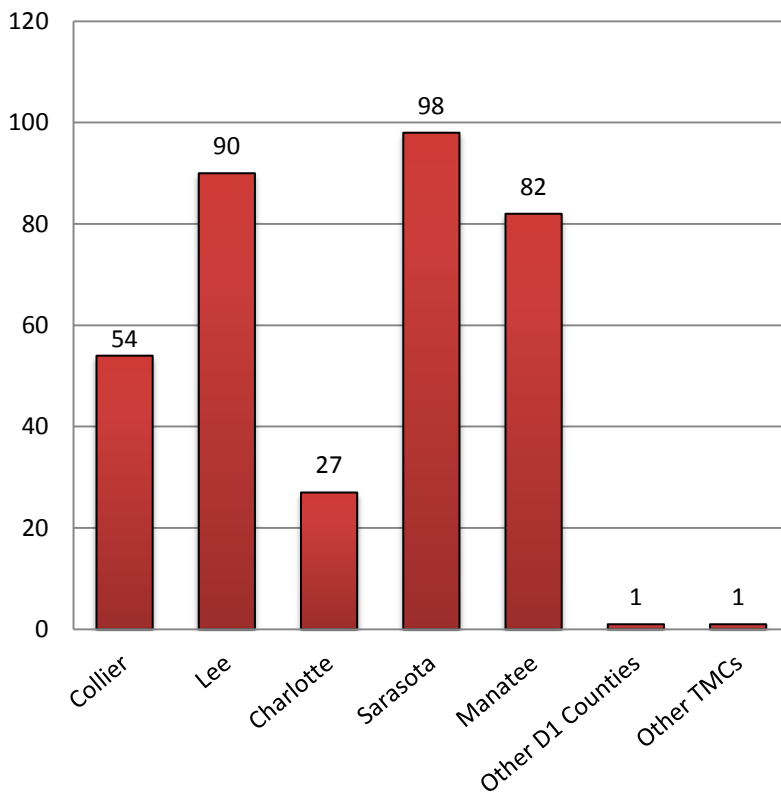
Lane Blocking Incidents - By Roadway
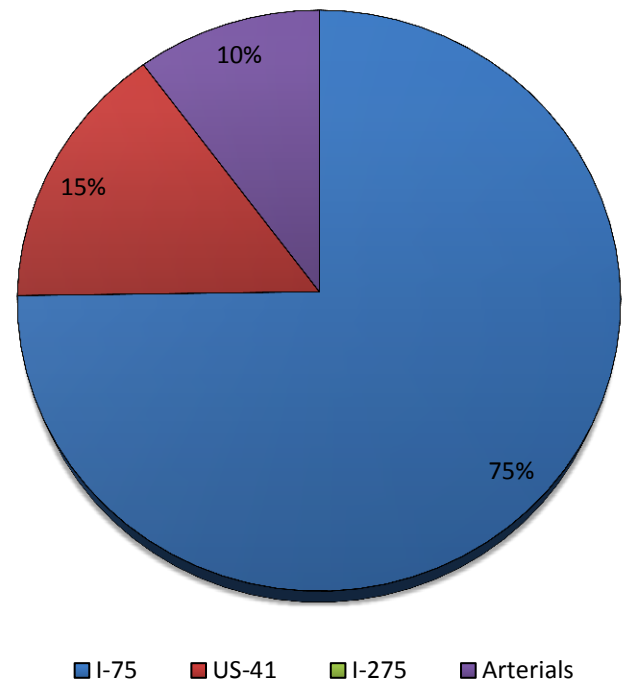
9. LANE BLOCKING INCIDENTS - By Incident Level:

	Collier County			Lee County			Charlotte County			Sarasota County		
	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Evevnts	Lane Duration	Event Duration
Level 1	19	0:15	1:46	19	0:13	1:10	17	0:08	0:51	37	0:10	1:24
Level 2	14	1:05	1:34	16	1:00	1:26	4	1:08	1:15	30	1:00	1:30
Level 3	13	2:16	2:44	9	2:12	2:41	1	4:52	4:58	4	1:41	2:38
Other*	8*	2:18	2:26	46*	4:47	4:55	5*	7:10	7:25	27*	6:54	7:06
Totals	46	1:04	1:58	44	0:54	1:34	22	0:31	1:06	71	0:36	1:30

	Manatee County			Other Dist 1 Counties			Other Distrcit TMCs			Total		
	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Evevnts	Lane Duration	Event Duration
Level 1	20	0:13	1:10	0	0:00	0:00	0	0:00	0:00	112	0:11	1:17
Level 2	16	0:53	1:34	0	0:00	0:00	0	0:00	0:00	80	0:59	1:29
Level 3	6	1:12	1:56	0	0:00	0:00	1	0:17	0:29	34	2:00	2:34
Other*	40*	7:22	7:27	1*	6:01	9:40	0*	0:00	0:00	127*	5:59	6:09
Totals	42	0:36	1:25	0	0:00	0:00	1	0:17	0:29	226	0:45	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
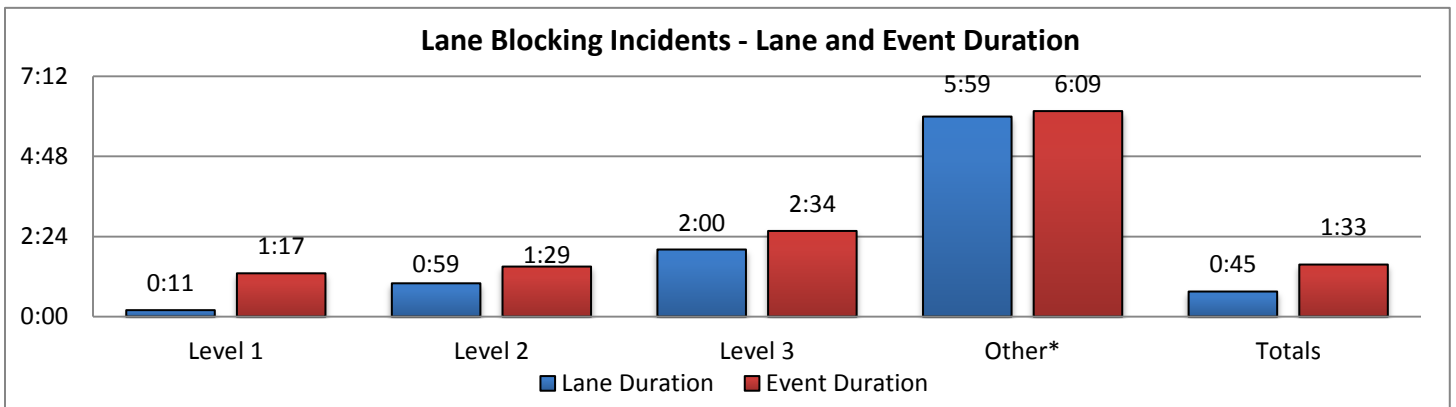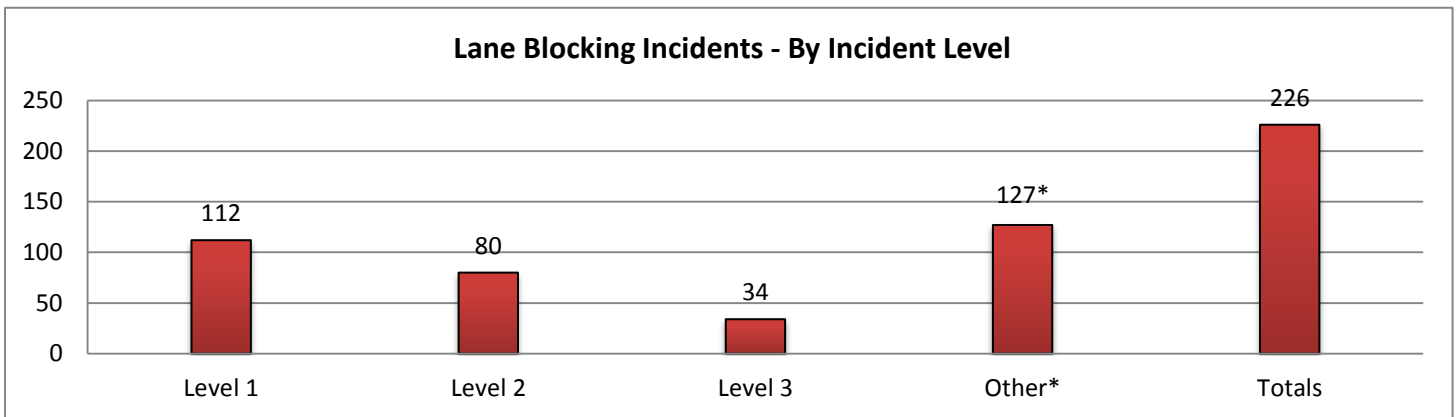
10. SunGuide Events - by Event Type:

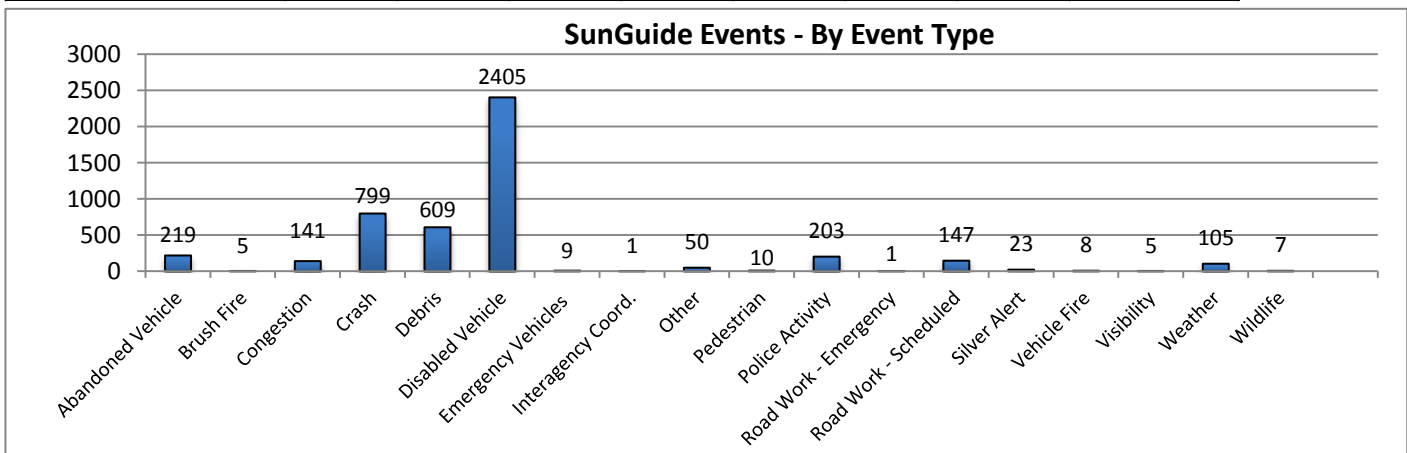| Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	35	65	18	69	32	0	0	219
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	0	0	0	2	3	0	0	5
Congestion	8	21	0	57	55	0	0	141
Crash	82	179	43	262	233	0	0	799
Debris	93	112	87	185	131	1	0	609
Disabled Vehicle	740	583	154	514	410	0	4	2405
Emergency Vehicles	3	3	0	2	1	0	0	9
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	6	21	5	7	9	2	0	50
Pedestrian	2	0	1	5	2	0	0	10
Police Activity	52	47	9	41	54	0	0	203
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	1	0	0	0	0	0	0	1
Road Work - Scheduled	8	48	6	36	48	1	0	147
Silver Alert	0	23	0	0	0	0	0	23
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	1	5	1	1	0	0	0	8
Visibility	3	1	1	0	0	0	0	5
Weather	23	19	12	29	22	0	0	105
Wildlife	4	0	2	0	1	0	0	7
Total Incidents	1061	1127	339	1210	1001	4	5	4747

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	10:42	9:30	5:41	7:21	7:53	0:00	0:00	8:27
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	0:00	0:00	0:00	0:42	0:33	0:00	0:00	0:36
Congestion	0:47	0:42	0:00	0:59	0:54	0:00	0:00	0:53
Crash	1:23	1:08	1:17	1:12	1:22	0:00	0:00	1:15
Debris	0:16	0:15	0:12	0:32	0:15	0:08	0:00	0:19
Disabled Vehicle	1:09	1:00	0:47	1:35	1:13	0:00	0:03	1:11
Emergency Vehicles	1:09	2:07	0:00	1:03	1:08	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	0:00	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	0:29	0:29
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:54	0:32	0:05	1:07	0:23	0:05	0:00	0:34
Pedestrian	0:16	0:00	0:12	0:18	0:27	0:00	0:00	0:18
Police Activity	0:21	0:24	0:13	0:20	0:12	0:00	0:00	0:18
PSA	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Emergency	0:59	0:00	0:00	0:00	0:00	0:00	0:00	0:59
Road Work - Scheduled	2:58	4:51	6:22	6:01	6:57	9:40	0:00	5:48
Silver Alert	0:00	4:13	0:00	0:00	0:00	0:00	0:00	4:13
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	4:24	1:20	0:50	0:31	0:00	0:00	0:00	1:33
Visibility	2:06	2:44	2:25	0:00	0:00	0:00	0:00	2:17
Weather	2:48	2:32	2:31	1:54	2:01	0:00	0:00	2:18
Wildlife	0:18	0:00	1:19	0:00	0:07	0:00	0:00	0:33
Total Incidents	1:24	1:39	1:05	1:43	1:32	2:29	0:08	1:33

SunGuide Event Duration - By County
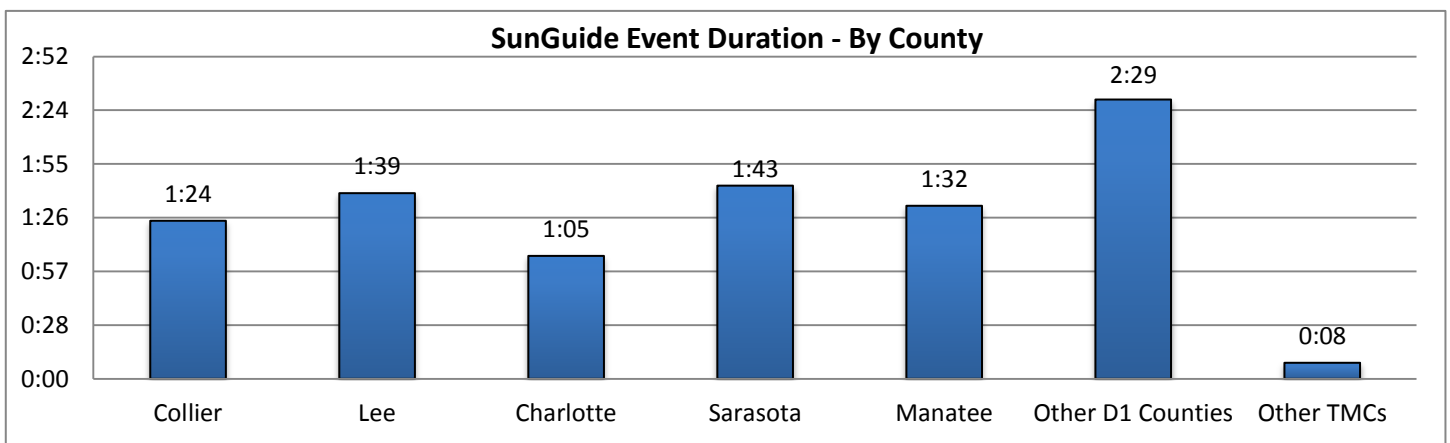
12. Event DMS Statistics:			
Number of DMS Used for Unplanned Events*:	Number of Incidents Utilizing DMS	Average Number of DMS per Incident	Average DMS Message Duration
3016	340	9	2:43

13. PSA - DMS Activations:
Number of Public Service Announcement DMS Activations
836

* 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
147	1	148
# DMS Used for Road Work		Average # of DMS/Pattern
327		2

DMS Statistics

Road Work Events
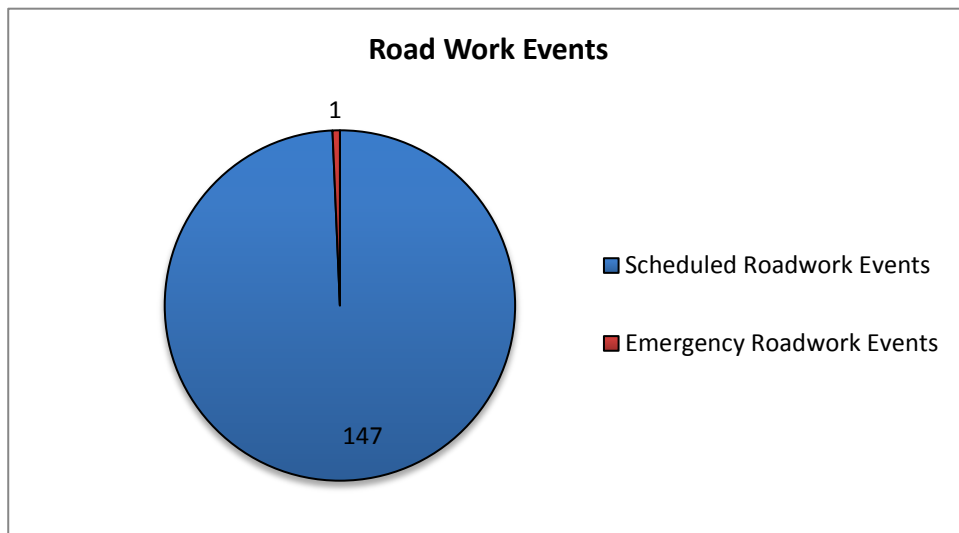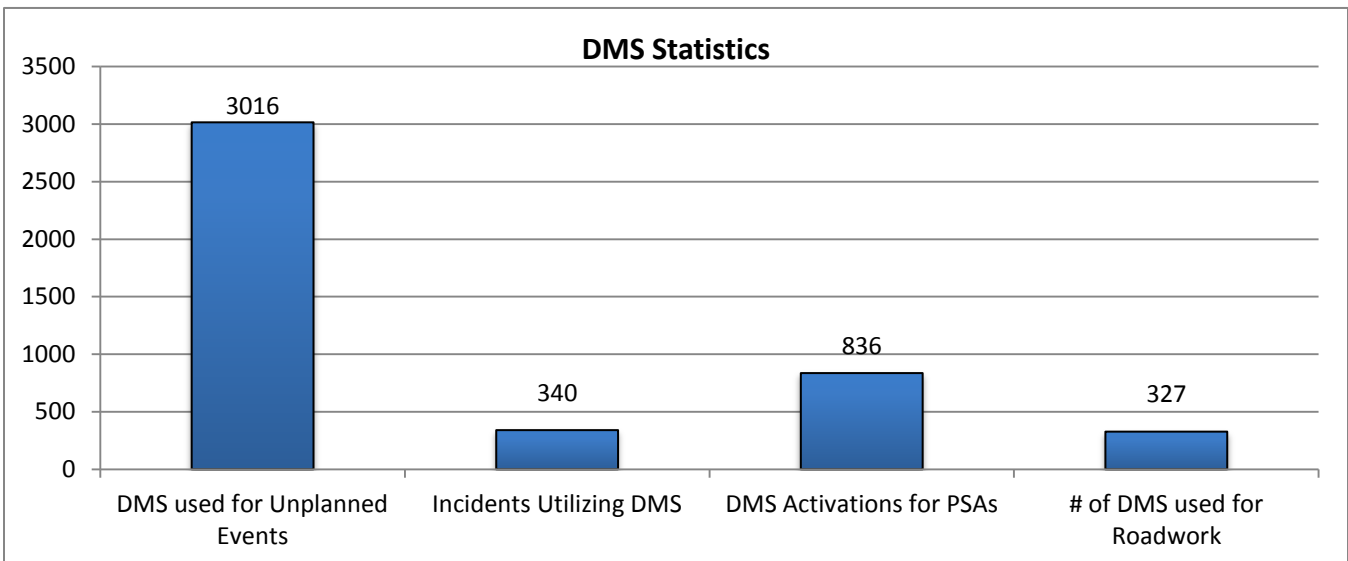
15. Event Location - Summary By Exit Reference:			
I-75 Northbound		**I-75 Southbound**	
Mile <49	1	Mile <49	1
Mile 49-79.9	151	Mile 49-79.9	177
Mile 80-100.9	193	Mile 80-100.9	180
Mile 101-104.9	31	Mile 101-104.9	41
Mile 105-106.9	35	Mile 105-106.9	21
Mile 107-110.9	57	Mile 107-110.9	37
Mile 111-115.9	74	Mile 111-115.9	56
Mile 116-122.9	115	Mile 116-122.9	122
Mile 123-127.9	71	Mile 123-127.9	54
Mile 128-130.9	39	Mile 128-130.9	49
Mile 131-135.9	99	Mile 131-135.9	63
Mile 136 -137.9	32	Mile 136 -137.9	15
Mile 138 -138.9	30	Mile 138 -138.9	26
Mile 139 - 140.9	46	Mile 139 - 140.9	25
Mile 141 - 142.9	29	Mile 141 - 142.9	25
Mile 143 - 157.9	132	Mile 143 - 157.9	99
Mile 158 - 160.9	28	Mile 158 - 160.9	22
Mile 161 - 163.9	20	Mile 161 - 163.9	22
Mile 164 - 166.9	33	Mile 164 - 166.9	32
Mile 167 -169.9	23	Mile 167 -169.9	30
Mile 170 - 178.9	79	Mile 170 - 178.9	69
Mile 179 - 181.9	32	Mile 179 - 181.9	27
Mile 182 - 190.9	95	Mile 182 - 190.9	85
Mile 191 - 192.9	32	Mile 191 - 192.9	23
Mile 193 - 194.9	28	Mile 193 - 194.9	25
Mile 195 -199.9	66	Mile 195 -199.9	46
Mile 200 - 204.9	94	Mile 200 - 204.9	81
Mile 205 - 206.9	39	Mile 205 - 206.9	22
Mile 207 - 209.9	56	Mile 207 - 209.9	51
Mile 210 -212.9	103	Mile 210 -212.9	80
Mile 213 - 216.9	124	Mile 213 - 216.9	94
Mile 217 - 219.9	98	Mile 217 - 219.9	80
Mile 220 - 223.9	85	Mile 220 - 223.9	67
Mile 224 -227.9	92	Mile 224 -227.9	64
Mile 228 - 228.9	31	Mile 228 - 228.9	14
Mile 229 -229.9	34	Mile 229 -229.9	1
Mile 230 - 239.9	12	Mile 230 - 239.9	1
> Mile 240	0	> Mile 240	0
North Total	**2339**	**South Total**	**1927**

US-41 Northbound	
Collier	9
Lee	68
Charlotte	3
Sarasota	83
Manatee	110
North Total	273

US-41 Southbound	
Collier	4
Lee	14
Charlotte	4
Sarasota	10
Manatee	44
South Total	76

Total Events on US-41
349

Total Events on I-75
4266

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: 4266
US-41: 349
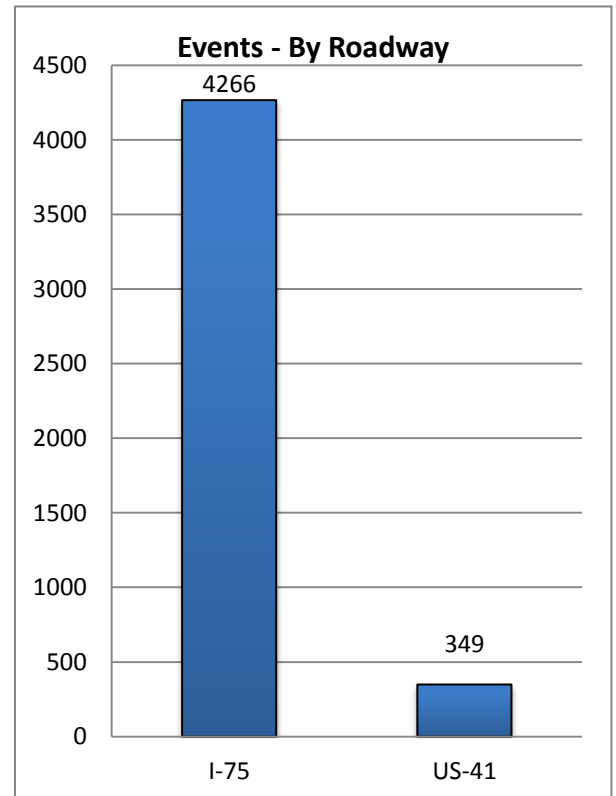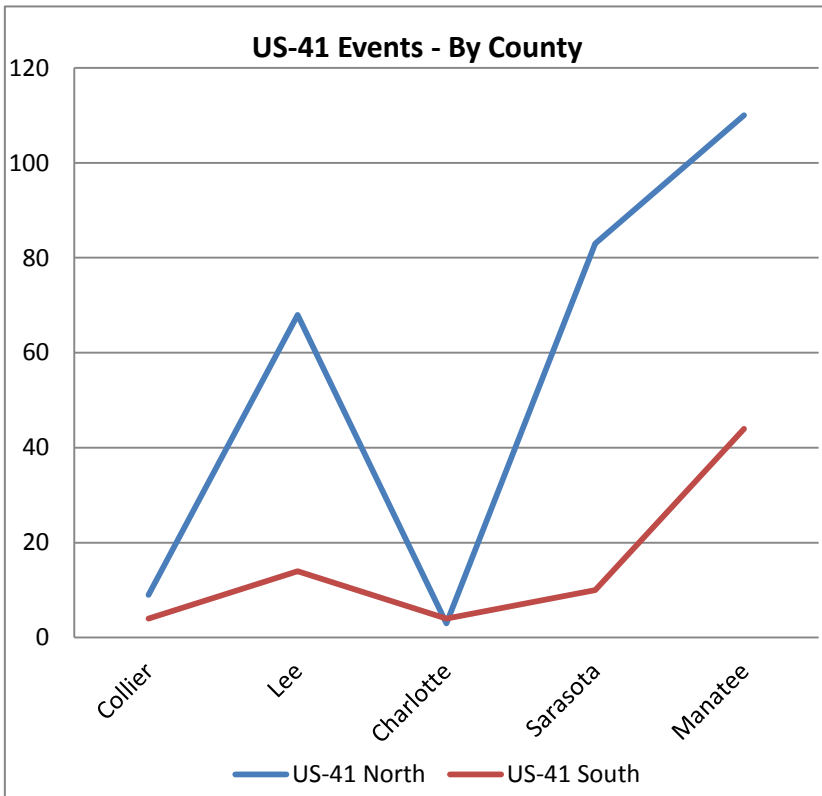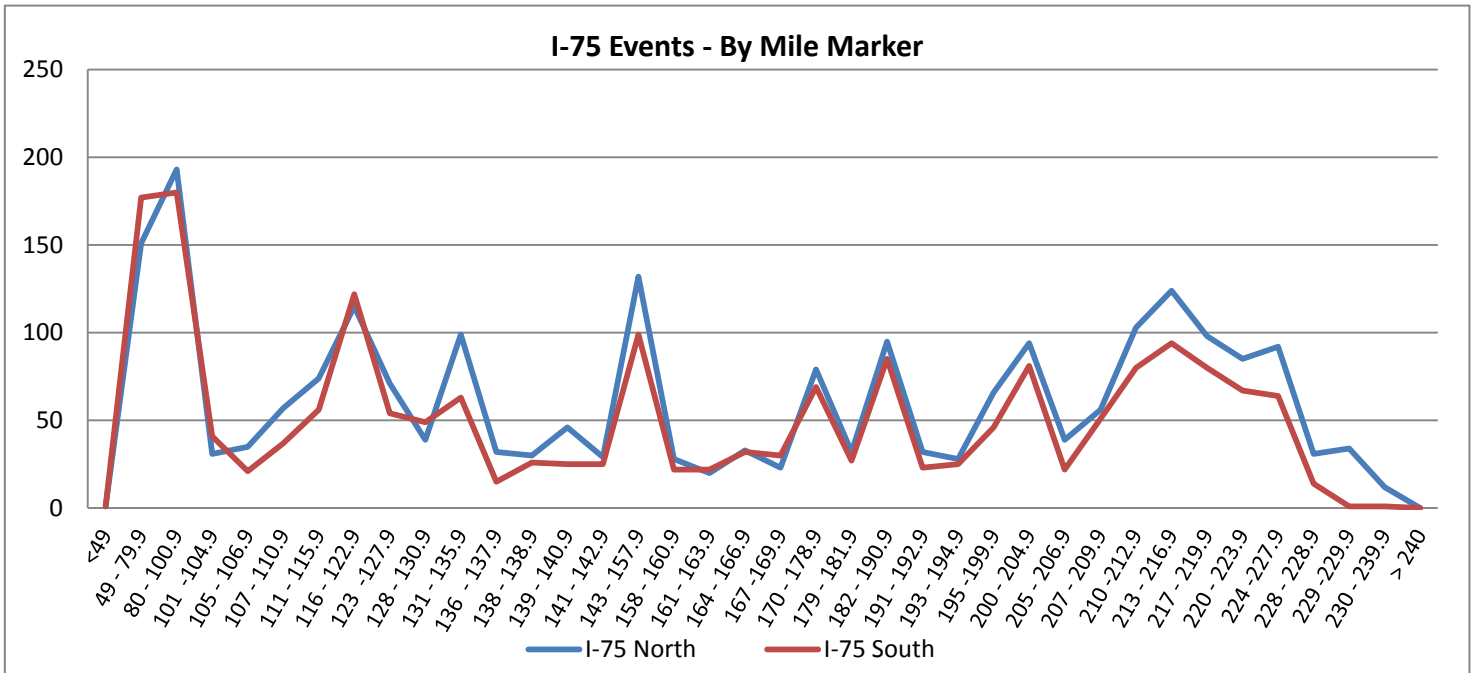
16. Event Detection Source:

Assest Management (includes Dbi & ICA)	6	0.1%
CCTV - District 1 TMC	1456	30.7%
CCTV - Other	0	0.0%
Construction Agencies	107	2.3%
County and Local Law Enforcement	0	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	1	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	1412	29.7%
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	0	0.0%
Other	0	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1412	29.7%
RTMC - ITS Devices (TSS & Safety Barrier)	67	1.4%
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	2	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	23	0.5%
TMC - District 7	0	0.0%
TMC - Other	1	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	2	0.0%
Waze	254	5.4%
Total Number of Incidents	4747	100.0%

Event Detection Source

| Source	Value
Assest Management (includes Dbi & ICA)	6
CCTV - District 1 TMC	1456
Construction Agencies	107
Emergency Responders	1
FDOT District 1 (includes PIO)	1
FHP Dispatch, Website, or Radio	1412
Fire Department	1
Road Ranger	1412
RTMC - ITS Devices (TSS & Safety Barrier)	67
Sheriff's Office - Lee County	1
Sheriff's Office - Manatee County	2
TMC - District 4	1
TMC - District 5	23
TMC - Other	1
Traffic Engineering	2
Waze	254

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	219	2:25	8:28
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	5	0:24	0:37
Congestion	141	0:00	0:54
Crash	799	0:56	1:16
Debris On Roadway	609	0:13	0:20
Disabled Vehicle	2405	0:22	1:12
Emergency Vehicles	9	0:40	1:27
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	1	0:00	0:29
LEO Alert	0	0:00	0:00
Other	50	0:04	0:34
Pedestrian	10	0:09	0:19
Police Activity	203	0:16	0:19
PSA	0	0:00	0:00
Road Work - Emergency	1	0:00	0:59
Road Work - Scheduled	147	0:09	5:49
Silver Alert	23	0:00	4:23
Special Event	0	0:00	0:00
Vehicle Fire	8	1:04	1:33
Visibility	5	0:00	2:17
Weather	105	0:00	2:18
Wildlife	7	0:23	0:34
Total Events	4747	0:35	1:52

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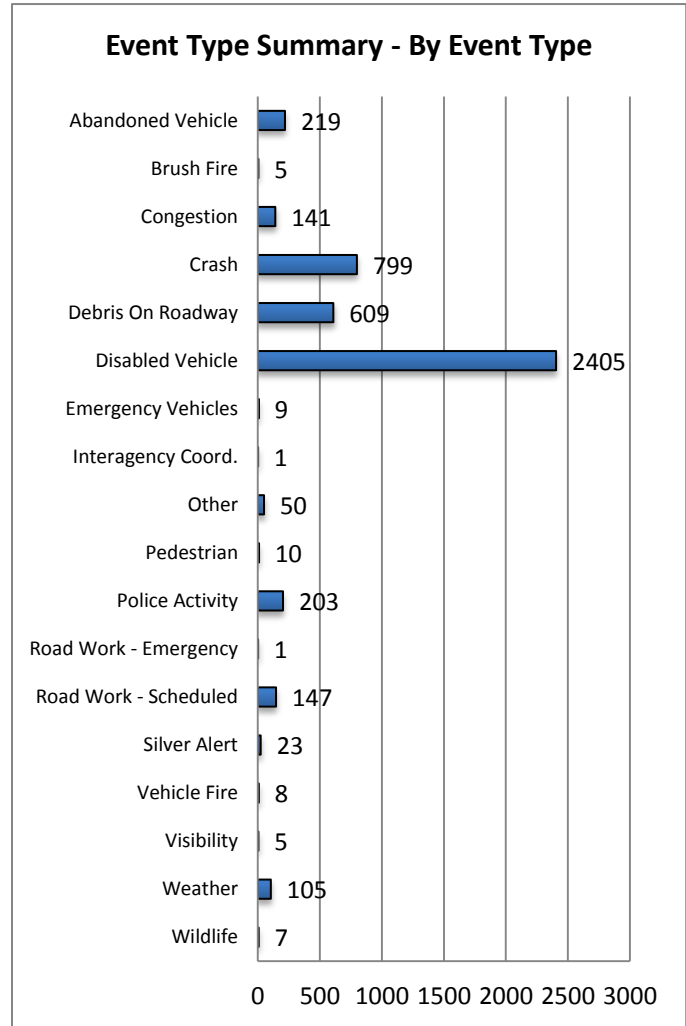
Note: Event Type Categories listed as zero are not included in these charts.

Event Type Summary - Average Event Duration
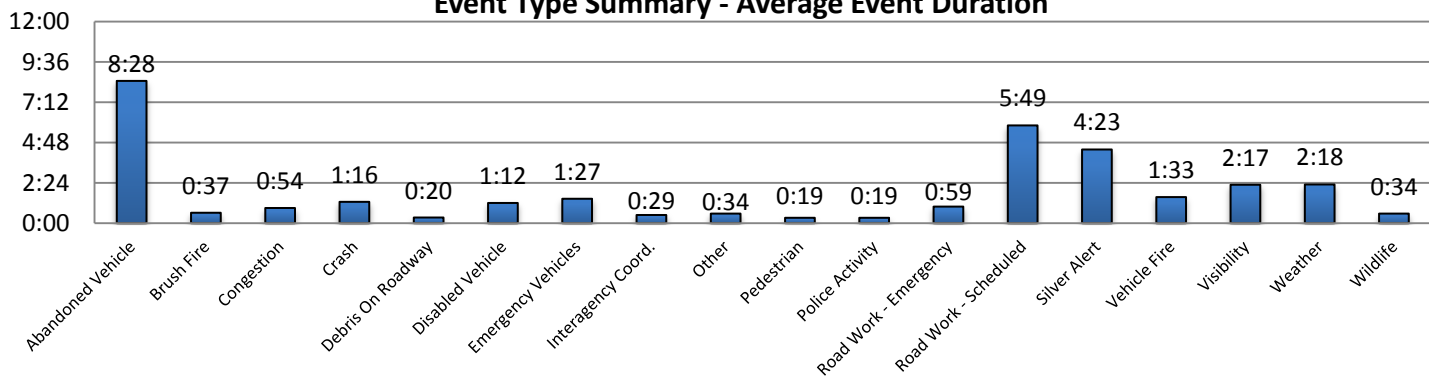
Road Ranger Information

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	4747
Events with Road Ranger Response	2052
Total RR On-Scene Activites	3615
Average Activities/Assisted Event	1.76
% of Events Assisted	43.23%

Road Ranger Assists - Summary
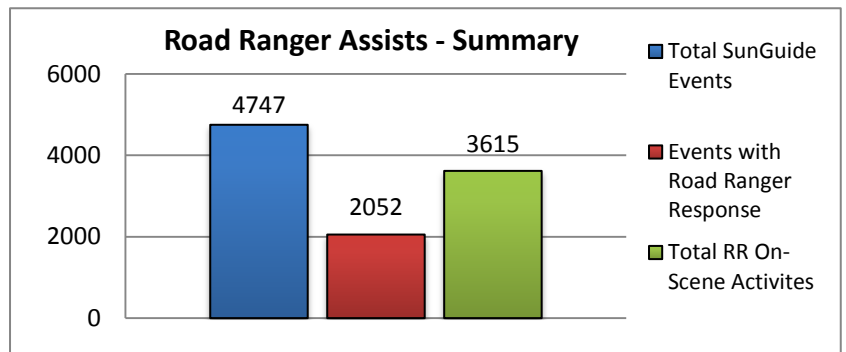
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	703
Lee	566
Charlotte	257
Sarasota	583
Manatee	430
Other	4
Totals	2543

Road Ranger Events - By County
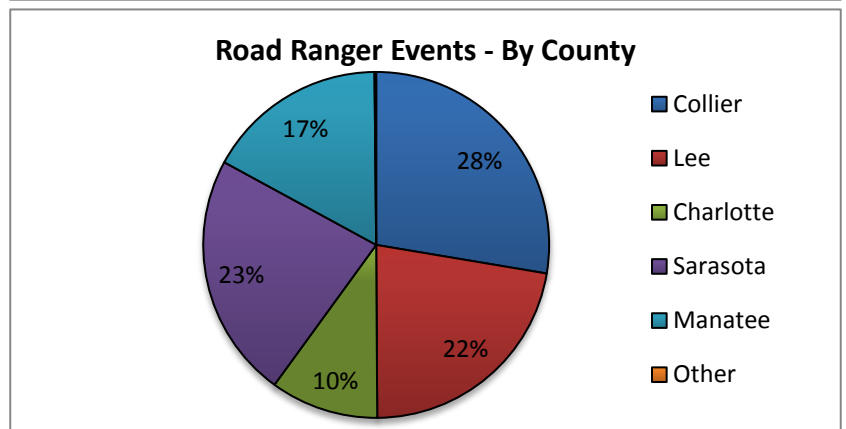
20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	141	220
RR-104	207	292
RR-105	0	0
RR-106	232	272
RR-107	247	258
RR-108	244	955
RR-109	199	296
RR-110	118	262
RR-111	184	460
RR-112	1	1
RR-113	372	445
RR-115	119	154
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2064	3615

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	365	14.4%
FDOT	0	0.0%
FHP Troop F	652	25.6%
Motorists	0	0.0%
Road Rangers	1412	55.5%
TMC - D1	7	0.3%
TMC - Other	0	0.0%
Other	1	0.0%
Assest Mgmt	1	0.0%
Sheriff's Office	1	0.0%
Waze	104	4.1%
Totals	2543	100.0%

Road Ranger Events - By Zone

Road Ranger Assisted Events - By Notifying Agency
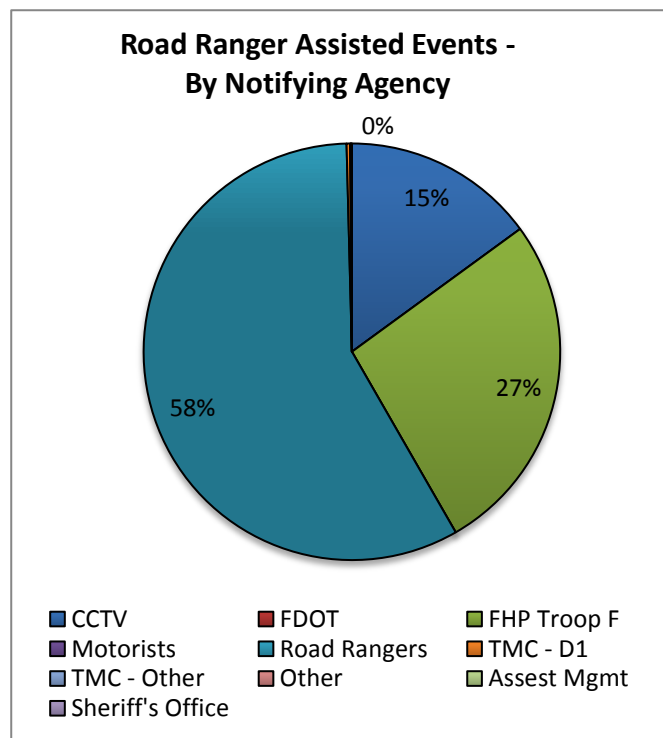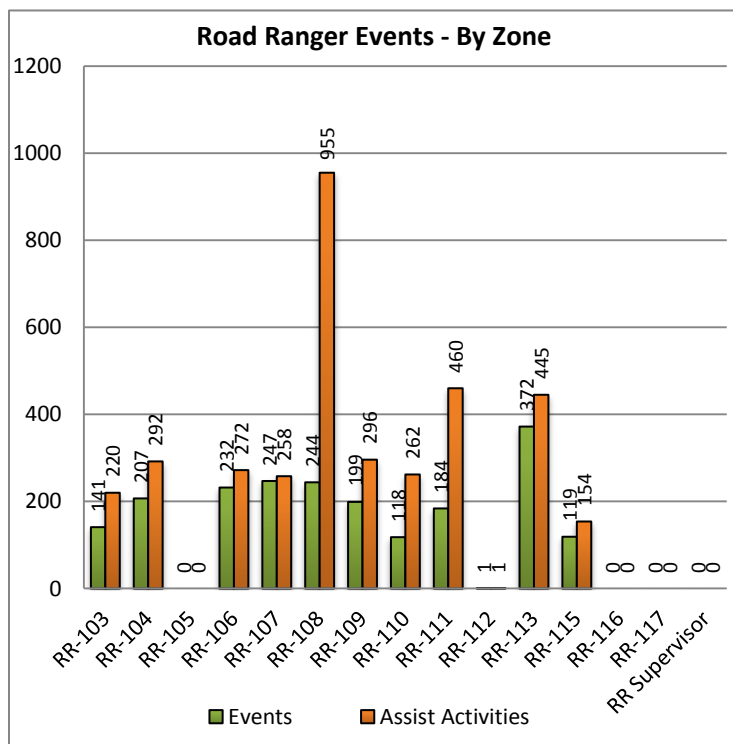
22. Road Ranger Assisted Events - By Time of Day:		
Time of Day	RR Events	RR Assists
12 AM - 1 AM	11	14
1 AM - 2 AM	6	10
2 AM - 3 AM	4	4
3 AM - 4 AM	11	11
4 AM - 5 AM	5	5
5 AM - 6 AM	7	15
6 AM - 7 AM	47	69
7AM - 8 AM	134	239
8 AM - 9 AM	150	255
9 AM - 10 AM	167	293
10 AM - 11 AM	151	247
11 AM - 12 PM	161	266

Time of Day	RR Events	RR Assists
12 PM - 1 PM	148	271
1 PM - 2 PM	170	303
2 PM - 3 PM	167	350
3 PM - 4 PM	198	392
4 PM - 5 PM	165	335
5 PM - 6 PM	153	259
6 PM - 7 PM	83	125
7 PM - 8 PM	39	53
8 PM - 9 PM	22	37
9 PM - 10 PM	25	28
10 PM - 11 PM	11	14
11 PM - 12 AM	17	20
Totals	2052	3615

Road Rangers Events - By Time of Day

Legend: Road Ranger Events, Road Ranger Assists
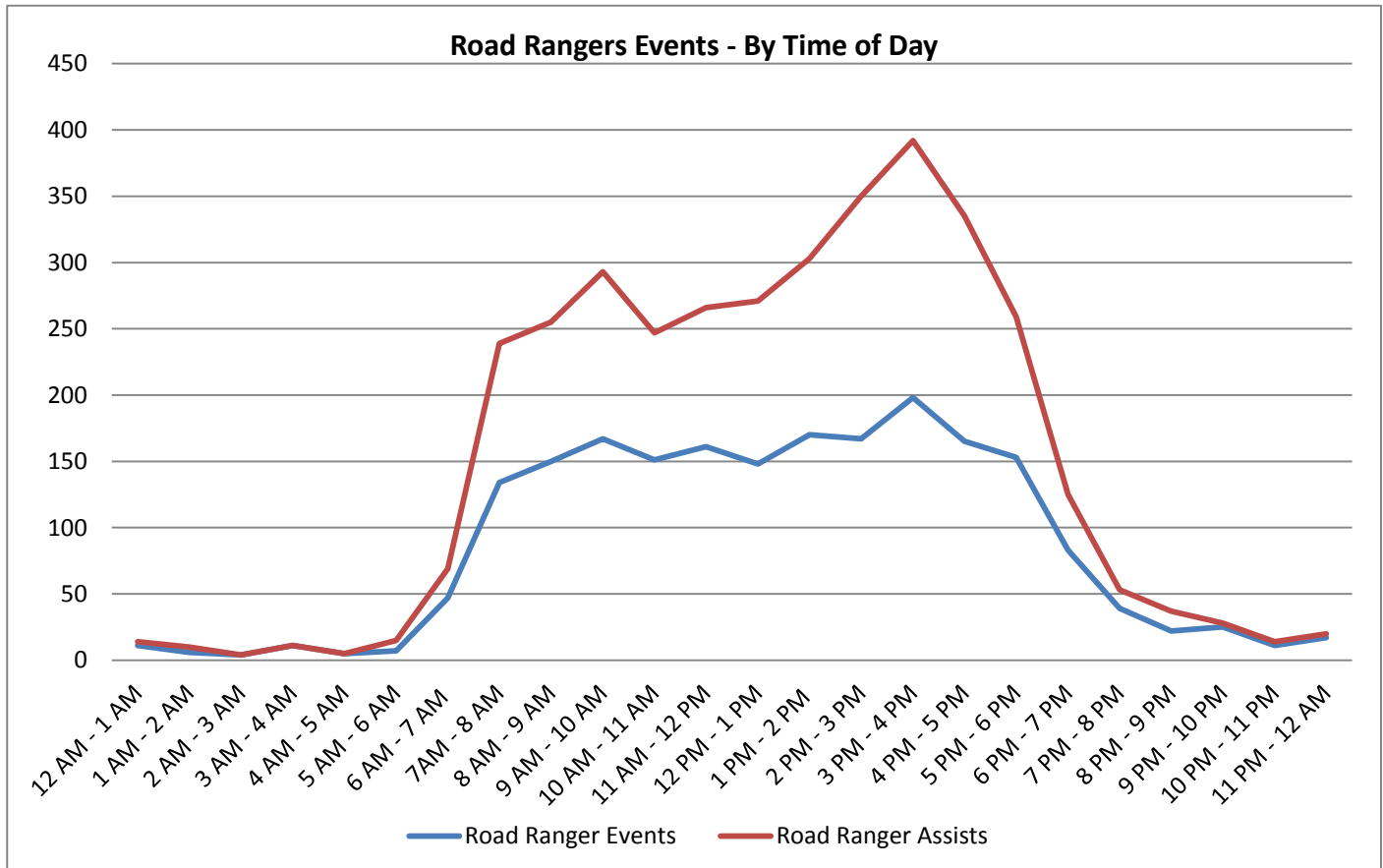
23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	188
Absorbant	0
Activity	5
Assist FHP	202
Bleach	0
Cold Patch Asphalt	0
Debris	638
Deploy Cones	0
Diesel	2
Directions	73
Dispatch Not Found	162
Flare	0
Flat Tire	465
Flood Lamp	0
Gas	217
Jump	72
Livestock	0
Lockout	0
Minor Repair	116
Miscellaneous	6
MOT non-specific	769
No Assistance	279
Oil	0
Other	229
Phone	1
Portland Cement	0
Push	15
Radio	0
Tow	52
Translate	0
Transmission Fluid	0
Transport	8
Turbo Flare	0
Unsuccessful Repair	0
Void	9
Water	105
Wildlife	2
Total Assist Activities	3615

Road Ranger Events - By Solution Type

Solution Type	Value
Abandoned	188
Activity	5
Assist FHP	202
Debris	638
Diesel	2
Directions	73
Dispatch Not Found	162
Flat Tire	465
Gas	217
Jump	72
Minor Repair	116
Miscellaneous	6
MOT non-specific	769
No Assistance	279
Other	229
Phone	1
Push	15
Tow	52
Transport	8
Void	9
Water	105
Wildlife	2
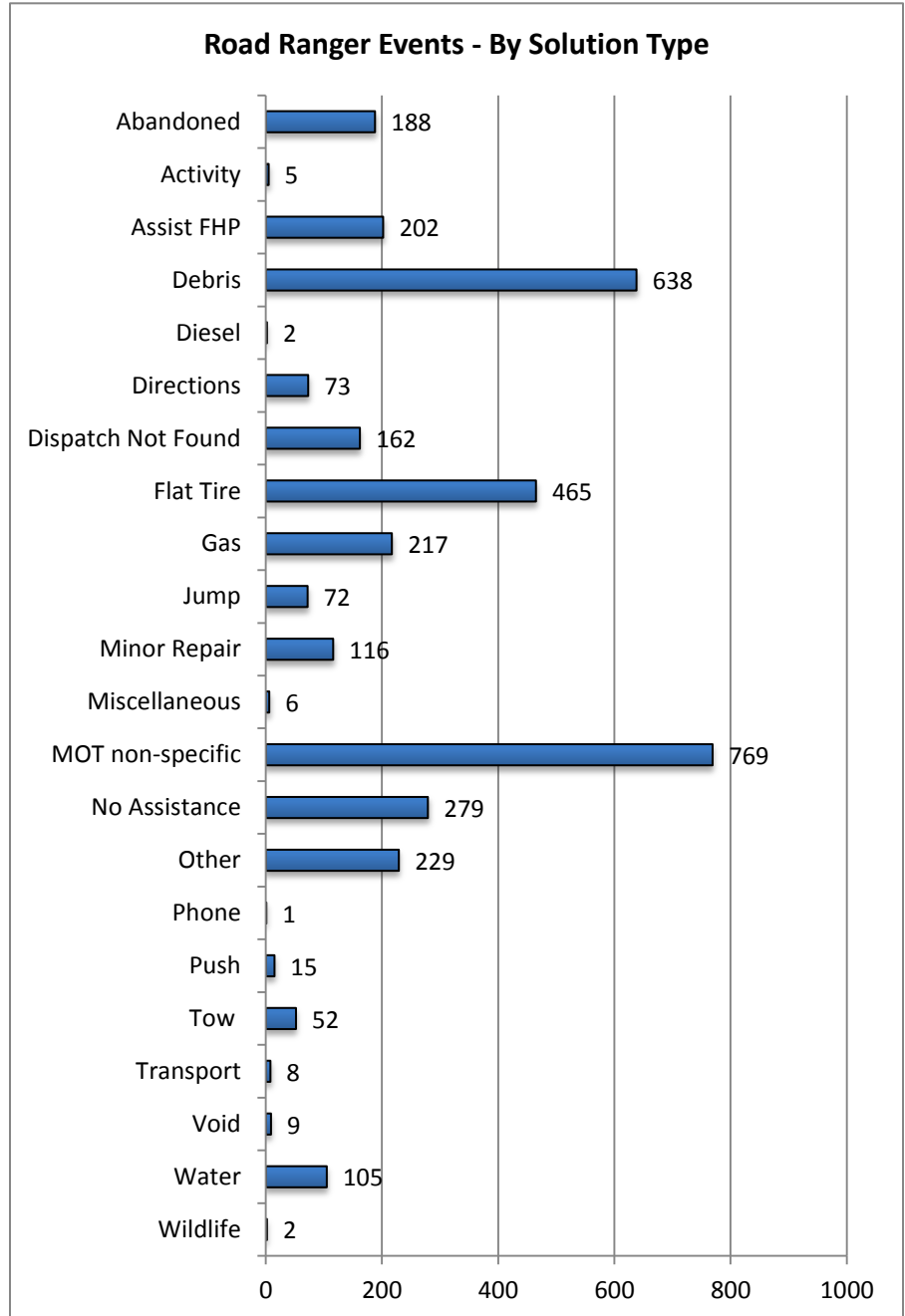
Note: Problem Type categories listed as zero are not included in the above chart.