This is the FDOT District 1 Swift SunGuide Center Monthly Operations Report, for March, 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:
4063

Total Number of SunGuide and Lane Blocking Events

2. Number of Lane Blocking Events:
213

3. Number of RISC Events:
2

Number of RISC, ESS, and Saftey Barrier Events

4. Number of ESS Events:
49

5. Events from a Safety Barrier Alert:
0

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	1:16
Average Incident Duration From First Responder Notified to Travel Lane Open	1:32
Average Incident Duration From First Responder Notified to Normal Traffic	1:38

Average Event Times

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4063
Number of Lane Blocking Events	213
Number of Secondary Incidents	23
Average Blockage Duration	6:12
Average Event Duration	6:53
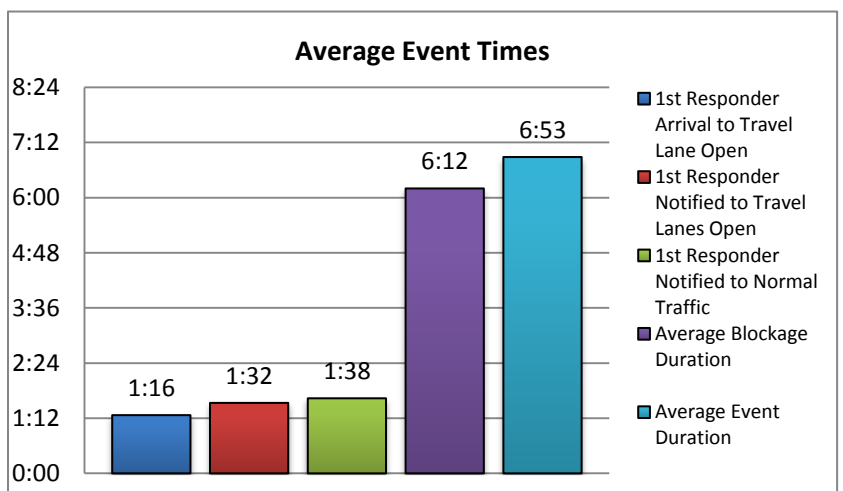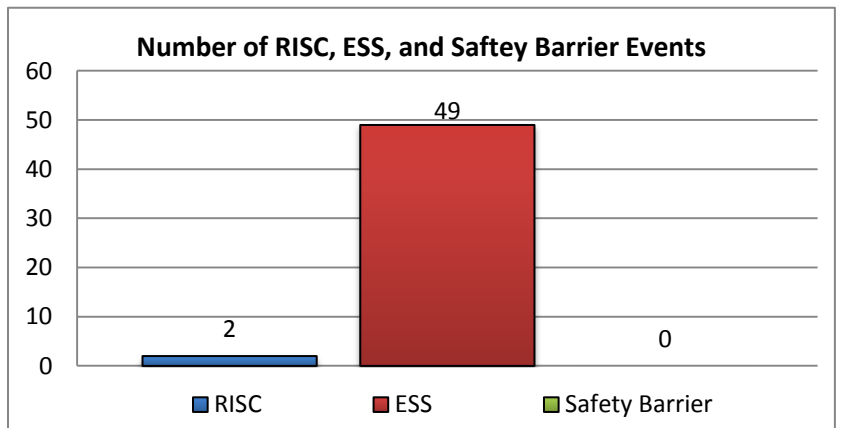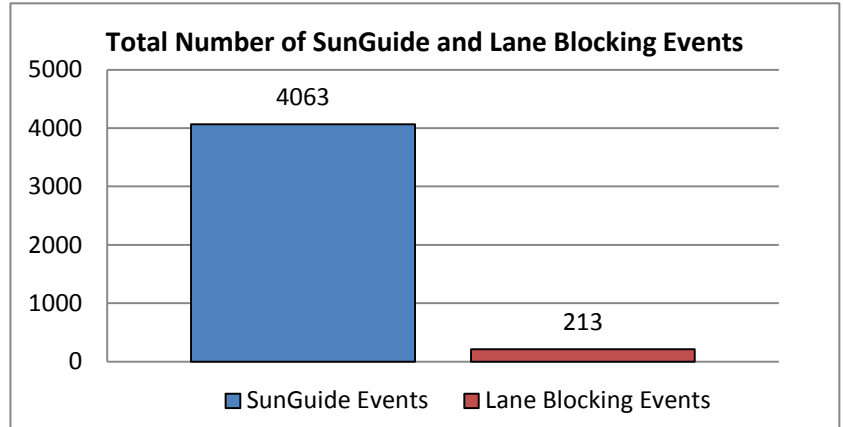
Note: Table 6 includes lane blocking incidents for I-75 and only includes Crash, Debris on Roadway, Disabled Vehicles, Emergency Vehicles, Flooding, Other, Pedestrian, Police Activity, and Vehicle Fire Events.

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	16	89	17	34	17	-
US-41	6	9	2	10	10	-
I-275	-	-	-	-	0	-
Arterials	0	2	0	0	1	0
Total Incidents	22	100	19	44	28	0

Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	173
US-41	0	0	-	-	37
I-275	0	-	-	-	0
Arterials	0	0	0	0	3
Total Incidents	0	0	0	0	213

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

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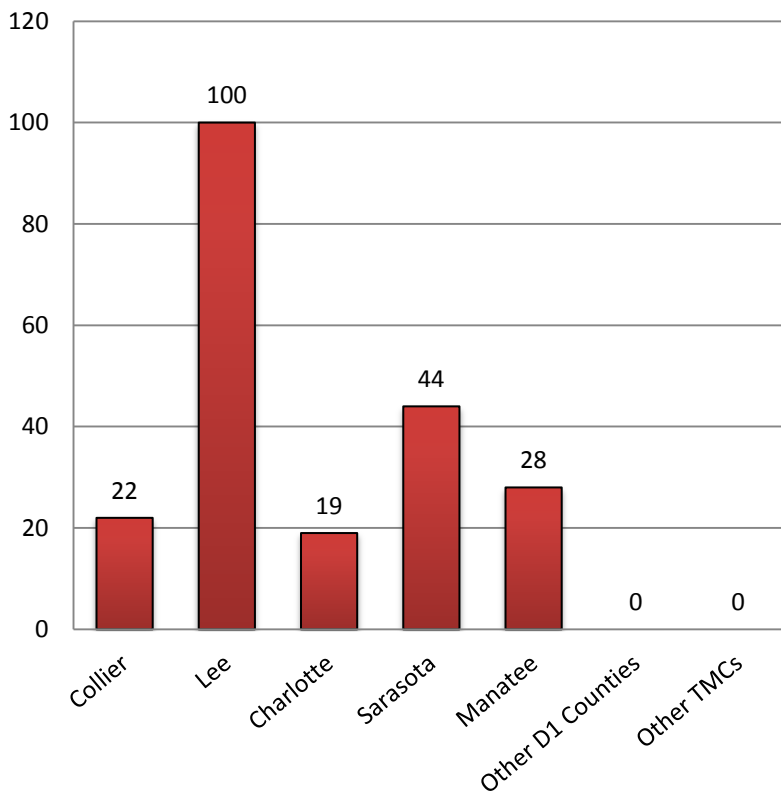
Lane Blocking Incidents - By Roadway
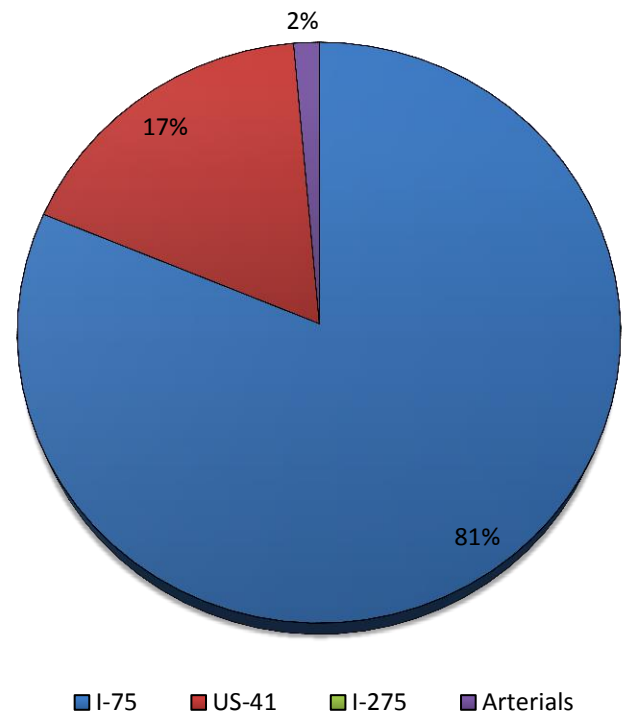
9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	8	0:03	1:24	20	0:04	0:47	6	0:00	1:04	15	0:09	0:55
Level 2	5	0:42	1:03	7	0:06	1:25	4	0:57	1:37	6	0:44	1:46
Level 3	3	0:00	2:13	11	1:59	2:48	5	0:50	1:47	9	1:19	1:58
Other*	6*	2:05	2:31	62*	17:10	17:28	4*	2:50	5:19	14*	6:30	6:36
Totals	16	0:14	1:26	38	0:37	1:29	15	0:31	1:27	30	0:37	1:24

	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	3	0:07	1:19	0	0:00	0:00	0	0:00	0:00	52	0:05	0:58
Level 2	3	0:50	1:36	0	0:00	0:00	0	0:00	0:00	25	0:35	1:28
Level 3	4	1:20	3:21	0	0:00	0:00	0	0:00	0:00	32	1:20	2:25
Other*	18*	4:22	5:02	0*	0:00	0:00	0*	0:00	0:00	104*	12:05	12:31
Totals	10	0:49	2:12	0	0:00	0:00	0	0:00	0:00	109	0:34	1:31

*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
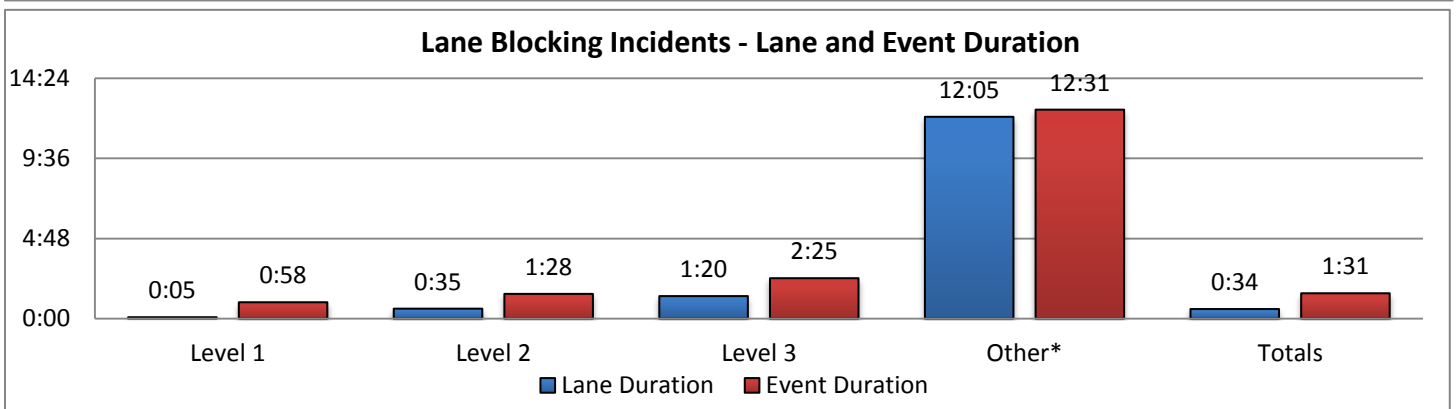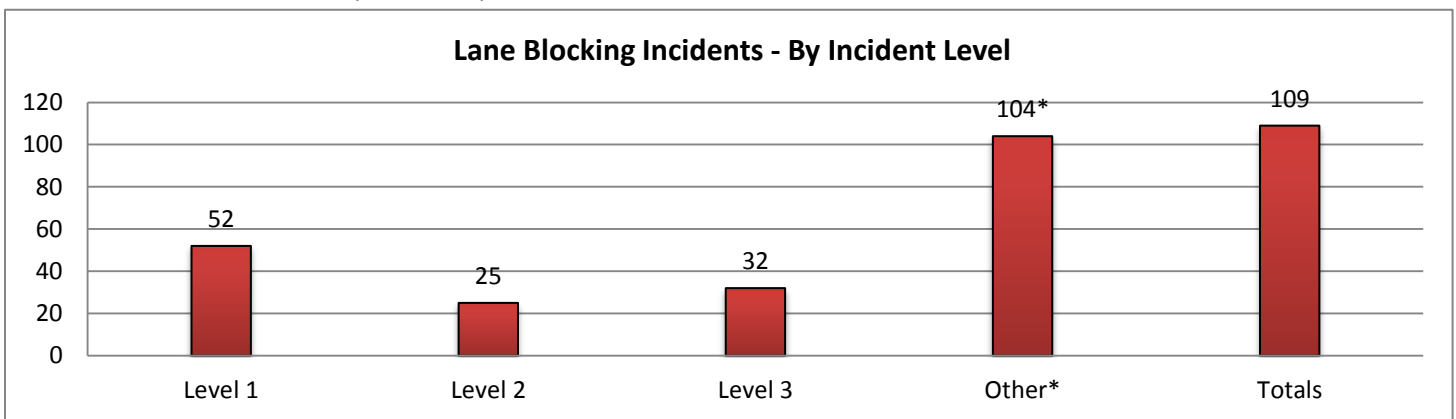
10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	48	44	18	50	28	0	2	190
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	4	0	1	6	2	0	0	13
Congestion	7	72	6	18	19	0	0	122
Crash	81	229	40	257	162	3	0	772
Debris	126	111	114	159	98	0	1	609
Disabled Vehicle	719	513	210	271	187	1	3	1904
Emergency Vehicles	5	3	0	2	0	0	0	10
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	0	0
LEO Alerts	0	0	0	0	0	0	0	0
Other	10	23	9	26	13	1	1	83
Pedestrian	4	2	0	6	5	0	0	17
Police Activity	87	63	18	1	2	0	0	171
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	2	0	0	0	2	0	0	4
Road Work - Scheduled	9	61	4	14	16	0	0	104
Silver Alert	0	15	0	0	0	0	0	15
Special Events	0	0	0	0	0	0	0	0
Vehicle Fire	3	2	2	3	2	0	0	12
Visibility	4	7	3	0	1	0	0	15
Weather	2	6	5	2	3	0	0	18
Wildlife	2	0	0	2	0	0	0	4
Total Incidents	1113	1151	430	817	540	5	7	4063

Note: Incident categories that are listed as zero are not included in the chart below.
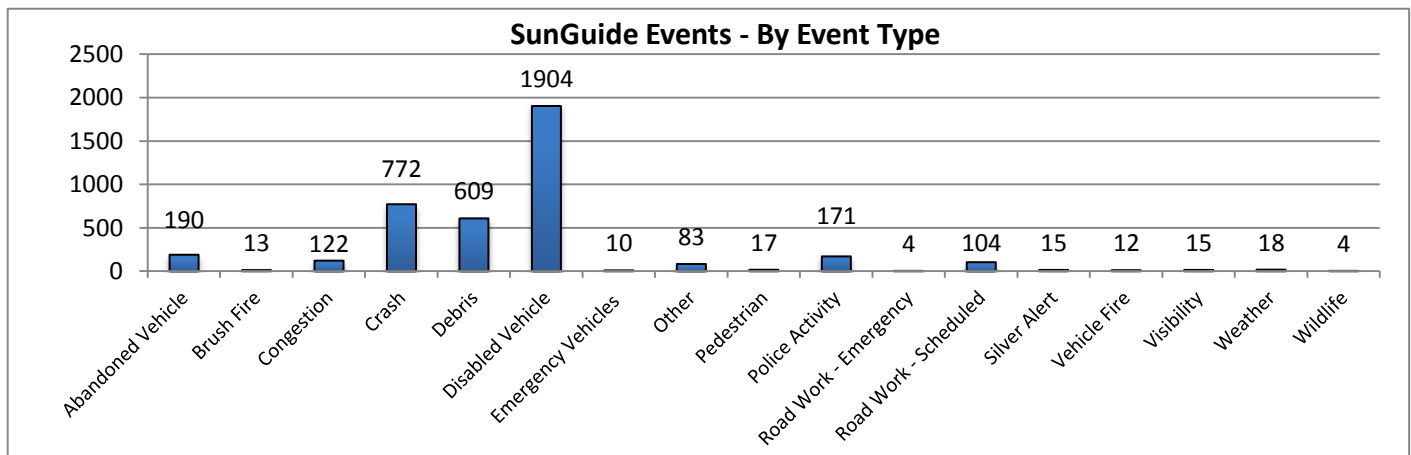
| 11. SunGuide Event Duration (Average) - by Event Type:							
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	All Counties
Abandoned Vehicle	8:53	5:32	6:57	13:10	11:02	0:00	4:30	9:19
Amber Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	0:24	0:00	0:24	1:23	0:20	0:00	0:00	0:50
Congestion	0:36	1:04	0:27	1:26	1:21	0:00	0:00	1:06
Crash	1:02	1:10	1:12	1:10	1:17	0:53	0:00	1:10
Debris	0:14	0:19	0:10	0:21	0:20	0:00	0:02	0:16
Disabled Vehicle	1:04	0:49	0:48	1:23	1:47	1:14	0:05	1:05
Emergency Vehicles	0:37	1:01	0:00	2:15	0:00	0:00	0:00	1:03
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	0:00	0:00
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:42	0:15	0:13	0:21	0:33	0:11	0:16	0:22
Pedestrian	0:05	0:04	0:00	0:25	0:06	0:00	0:00	0:12
Police Activity	0:23	0:23	0:19	0:02	4:28	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	1:06	0:00	0:00	0:00	2:31	0:00	0:00	1:48
Road Work - Scheduled	2:21	17:44	5:19	6:36	5:06	0:00	0:00	12:28
Silver Alert	0:00	4:59	0:00	0:00	0:00	0:00	0:00	4:59
Special Events	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Vehicle Fire	1:49	1:42	1:48	1:12	0:26	0:00	0:00	1:24
Visibility	3:15	4:19	3:48	0:00	2:16	0:00	0:00	3:47
Weather	2:48	4:01	2:32	0:32	1:11	0:00	0:00	2:36
Wildlife	1:39	0:00	0:00	0:34	0:00	0:00	0:00	1:06
Total Incidents	1:15	1:59	0:58	1:52	1:53	0:48	1:22	1:38

SunGuide Event Duration - By County
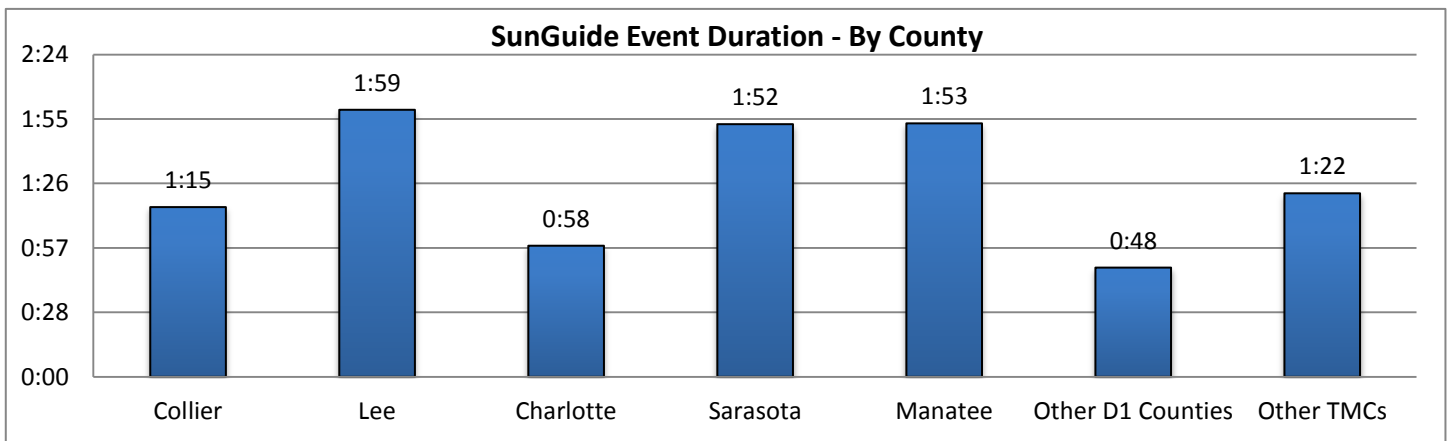
12. Event DMS Statistics:			
Number of DMS Used for Unplanned Events*:	Number of Incidents Utilizing DMS	Average Number of DMS per Incident	Average DMS Message Duration
1411	196	7	2:59

13. PSA - DMS Activations:
Number of Public Service Announcement DMS Activations
935

* 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
58	1	59
# DMS Used for Road Work	Average # of DMS/Pattern	
158	3	

DMS Statistics

Road Work Events
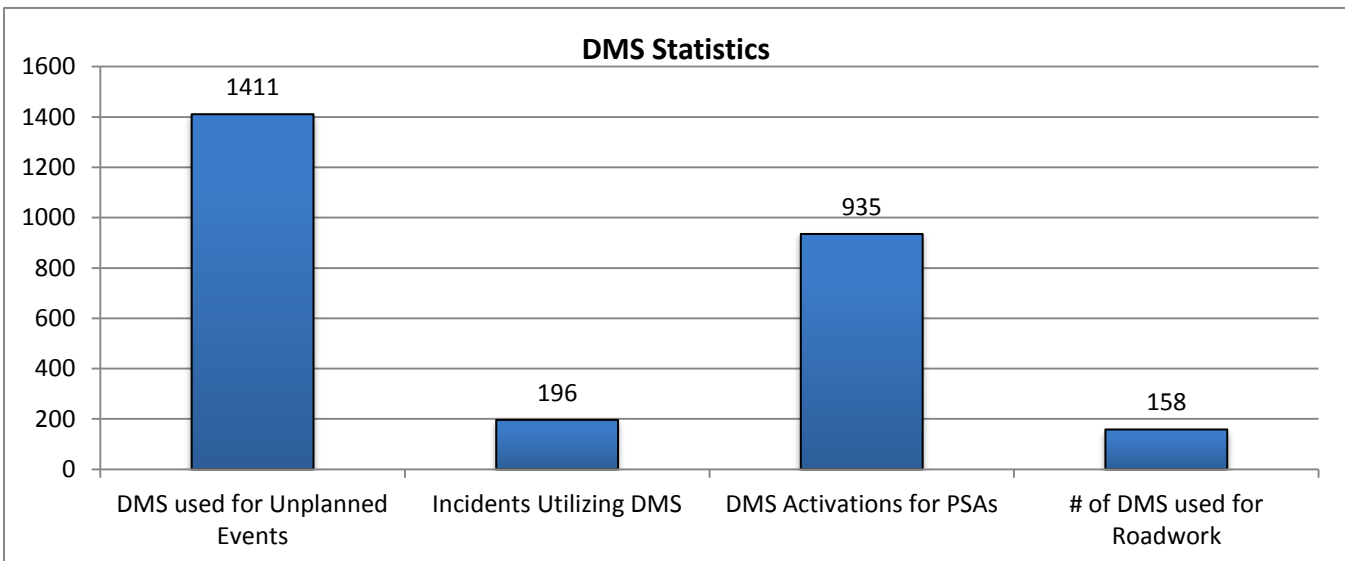
15. Event Location - Summary By Exit Reference:			

I-75 Northbound		I-75 Southbound	
Mile <49	2	Mile <49	0
Mile 49-79.9	187	Mile 49-79.9	233
Mile 80-100.9	210	Mile 80-100.9	100
Mile 101-104.9	28	Mile 101-104.9	19
Mile 105-106.9	34	Mile 105-106.9	33
Mile 107-110.9	65	Mile 107-110.9	61
Mile 111-115.9	56	Mile 111-115.9	52
Mile 116-122.9	122	Mile 116-122.9	88
Mile 123-127.9	74	Mile 123-127.9	55
Mile 128-130.9	57	Mile 128-130.9	41
Mile 131-135.9	97	Mile 131-135.9	77
Mile 136 -137.9	33	Mile 136 -137.9	18
Mile 138 -138.9	59	Mile 138 -138.9	20
Mile 139 - 140.9	27	Mile 139 - 140.9	30
Mile 141 - 142.9	40	Mile 141 - 142.9	23
Mile 143 - 157.9	116	Mile 143 - 157.9	139
Mile 158 - 160.9	34	Mile 158 - 160.9	21
Mile 161 - 163.9	44	Mile 161 - 163.9	20
Mile 164 - 166.9	23	Mile 164 - 166.9	29
Mile 167 -169.9	29	Mile 167 -169.9	27
Mile 170 - 178.9	46	Mile 170 - 178.9	52
Mile 179 - 181.9	29	Mile 179 - 181.9	17
Mile 182 - 190.9	67	Mile 182 - 190.9	68
Mile 191 - 192.9	21	Mile 191 - 192.9	19
Mile 193 - 194.9	21	Mile 193 - 194.9	14
Mile 195 -199.9	34	Mile 195 -199.9	24
Mile 200 - 204.9	35	Mile 200 - 204.9	43
Mile 205 - 206.9	24	Mile 205 - 206.9	24
Mile 207 - 209.9	32	Mile 207 - 209.9	28
Mile 210 -212.9	69	Mile 210 -212.9	34
Mile 213 - 216.9	60	Mile 213 - 216.9	66
Mile 217 - 219.9	38	Mile 217 - 219.9	43
Mile 220 - 223.9	44	Mile 220 - 223.9	40
Mile 224 -227.9	40	Mile 224 -227.9	36
Mile 228 - 228.9	10	Mile 228 - 228.9	13
Mile 229 -229.9	1	Mile 229 -229.9	4
Mile 230 - 239.9	1	Mile 230 - 239.9	0
> Mile 240	0	> Mile 240	0
North Total	1909	South Total	1611

US-41 Northbound	
Collier	38
Lee	114
Charlotte	7
Sarasota	111
Manatee	90
North Total	360

US-41 Southbound	
Collier	6
Lee	16
Charlotte	3
Sarasota	23
Manatee	15
South Total	63

Total Events on US-41
423

Total Events on I-75
3520

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: 3520
US-41: 423

16. Event Detection Source:
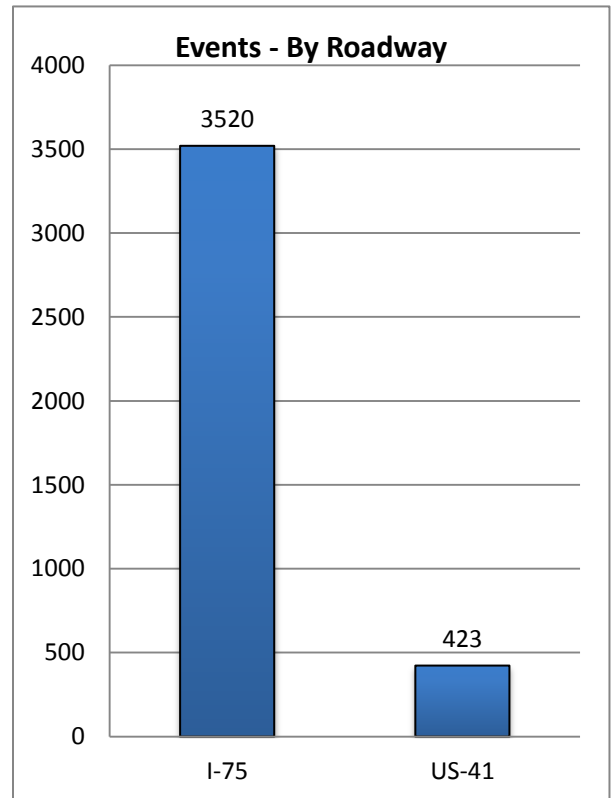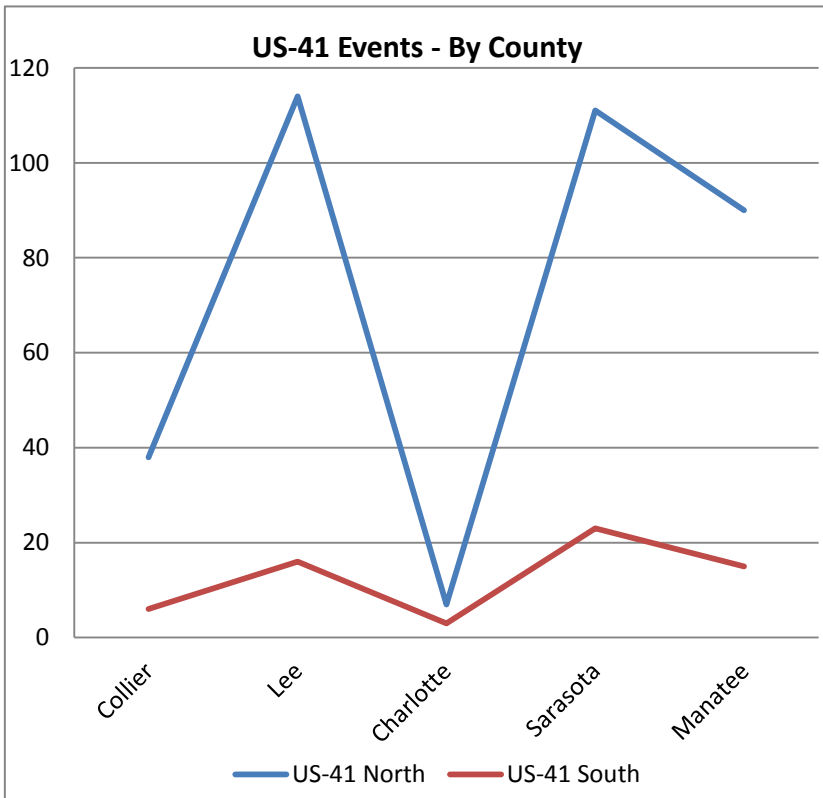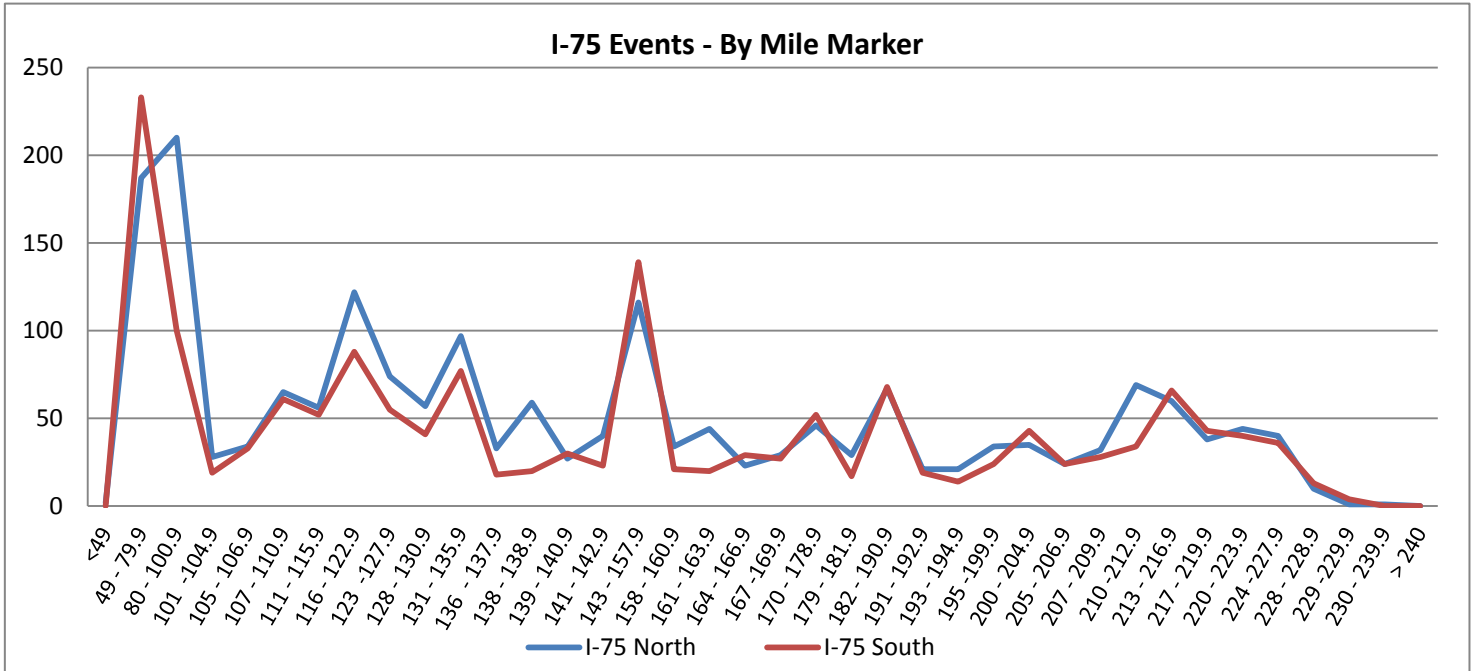
Event Detection Source	Count	Percent
Assest Management (includes Dbi & ICA)	8	0.2%
CCTV - District 1 TMC	777	19.1%
CCTV - Other	0	0.0%
Construction Agencies	87	2.1%
County and Local Law Enforcement	2	0.0%
Emergency Operations Center	0	0.0%
Emergency Operations Center-Lee	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	1	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1429	35.2%
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	4	0.1%
Other	6	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1619	39.8%
RTMC - ITS Devices (TSS & Safety Barrier)	42	1.0%
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	27	0.7%
Sheriff's Office - Lee County	42	1.0%
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	0	0.0%
TMC - District 5	16	0.4%
TMC - District 7	0	0.0%
TMC - Other Districts	0	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	0	0.0%
Total Number of Incidents	4063	100.0%

Event Detection Source

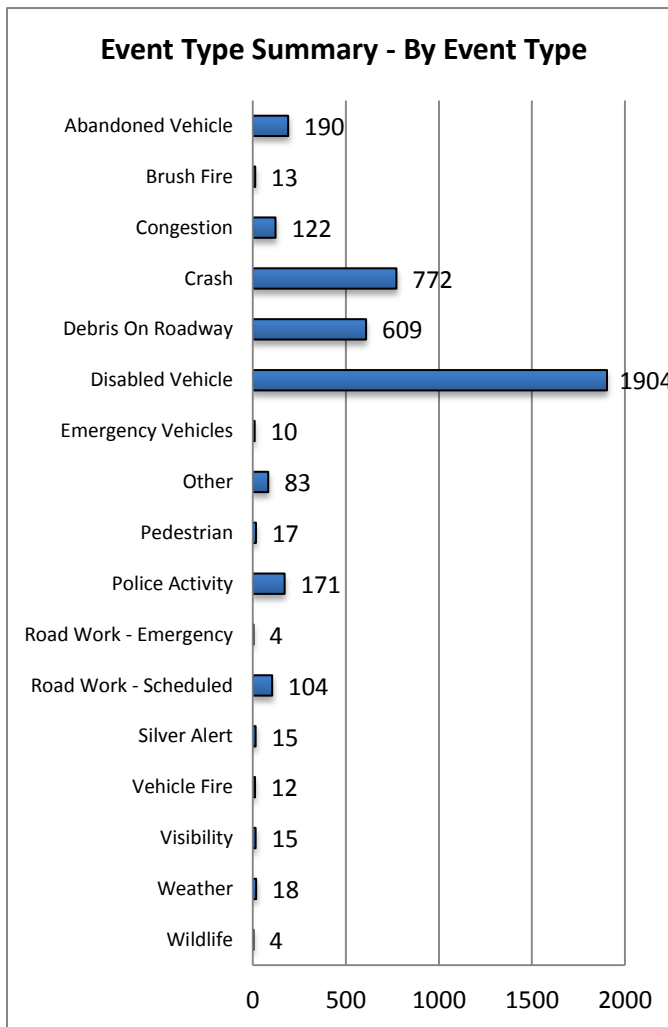| Source	Value
Assest Management	8
CCTV - District 1 TMC	777
Construction Agencies	87
County and Local Law Enforcement	2
FDOT District 1 (includes PIO)	1
FHP Dispatch, Website, or Radio	1429
Motorists/511 Feedback	4
Other	6
Road Ranger	1619
RTMC - ITS Devices	42
Sheriff's Office - Collier County	27
Sheriff's Office - Lee County	42
Sheriff's Office - Manatee County	2
Sherriff's Officer - Charlotte County	1
TMC - District 5	16

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	190	0:48	9:22
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	13	0:35	0:50
Congestion	122	0:00	1:06
Crash	772	0:48	1:11
Debris On Roadway	609	0:10	0:17
Disabled Vehicle	1904	0:26	1:05
Emergency Vehicles	10	0:51	1:04
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	0	0:00	0:00
LEO Alert	0	0:00	0:00
Other	83	0:10	0:23
Pedestrian	17	0:01	0:12
Police Activity	171	0:19	0:29
PSA	0	0:00	0:00
Road Work - Emergency	4	0:00	1:49
Road Work - Scheduled	104	5:15	12:29
Silver Alert	15	0:00	4:59
Special Event	0	0:00	0:00
Vehicle Fire	12	0:48	1:25
Visibility	15	0:00	3:48
Weather	18	0:00	2:37
Wildlife	4	0:57	1:06
Total Events	4063	11:08	44:12

Event Type Summary - By Event Type

Event Type	Value
Abandoned Vehicle	190
Brush Fire	13
Congestion	122
Crash	772
Debris On Roadway	609
Disabled Vehicle	1904
Emergency Vehicles	10
Other	83
Pedestrian	17
Police Activity	171
Road Work - Emergency	4
Road Work - Scheduled	104
Silver Alert	15
Vehicle Fire	12
Visibility	15
Weather	18
Wildlife	4

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

Event Type Summary - Average Event Duration

Event Type	Value
Abandoned Vehicle	9:22
Brush Fire	0:50
Congestion	1:06
Crash	1:11
Debris On Roadway	0:17
Disabled Vehicle	1:05
Emergency Vehicles	1:04
Other	0:23
Pedestrian	0:12
Police Activity	0:29
Road Work - Emergency	1:49
Road Work - Scheduled	12:29
Silver Alert	4:59
Vehicle Fire	1:25
Visibility	3:48
Weather	2:37
Wildlife	1:06
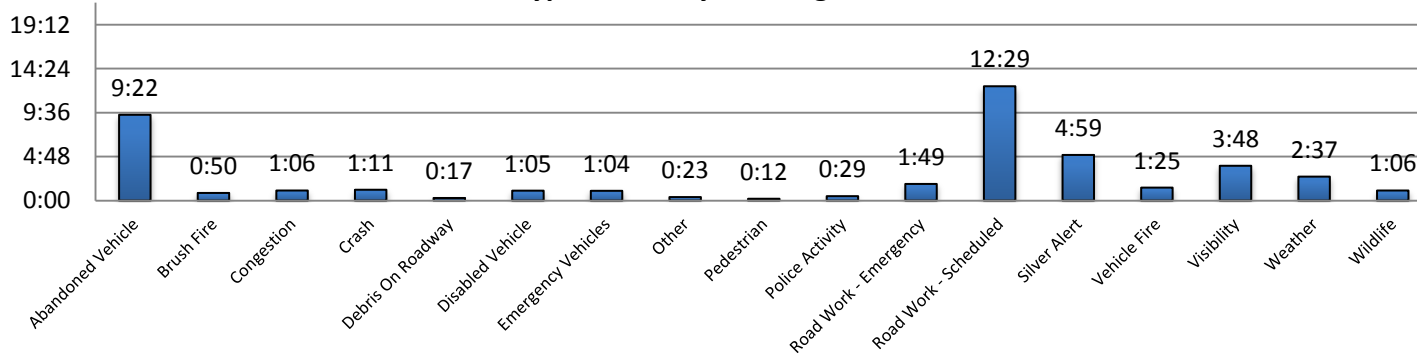
Road Ranger Information

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	4063
Events with Road Ranger Response	2153
Total RR On-Scene Activites	2549
Average Activities/Assisted Event	1.18
% of Events Assisted	52.99%

Road Ranger Assists - Summary
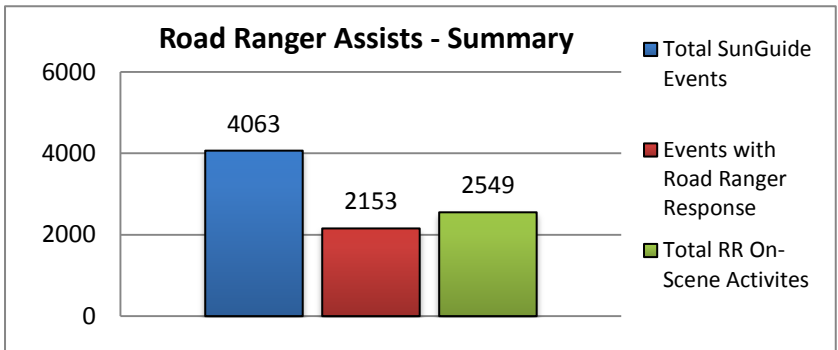
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	786
Lee	599
Charlotte	321
Sarasota	540
Manatee	341
Other	7
Totals	2594

Road Ranger Events - By County
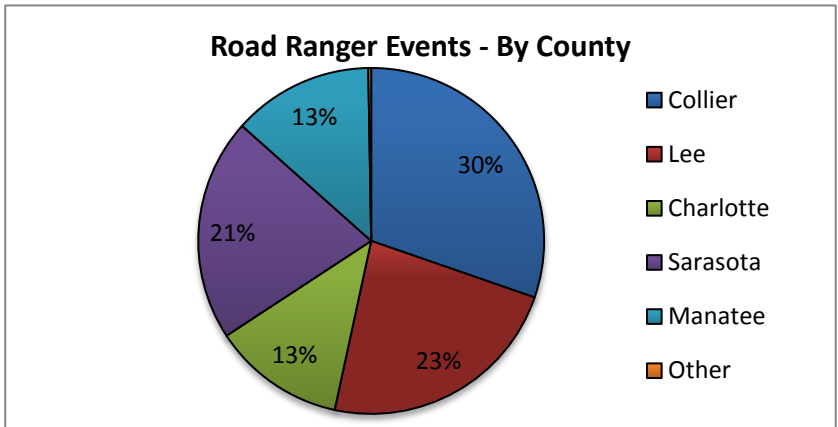
20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	156	173
RR-104	262	322
RR-105	3	3
RR-106	290	319
RR-107	239	256
RR-108	211	315
RR-109	228	246
RR-110	135	156
RR-111	201	289
RR-112	0	0
RR-113	328	349
RR-115	0	0
RR-116	108	121
RR Supervisor	0	0
Totals	2161	2549

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	216	8.3%
FDOT	0	0.0%
FHP Troop F	763	29.4%
Motorists	1	0.0%
Road Rangers	1606	61.9%
TMC	6	0.2%
Other	0	0.0%
Assest Mgmt	2	0.1%
Sheriff's Office	0	0.0%
Totals	2594	100.0%

Road Ranger Events - By Zone

Road Ranger Assisted Events - By Notifying Agency
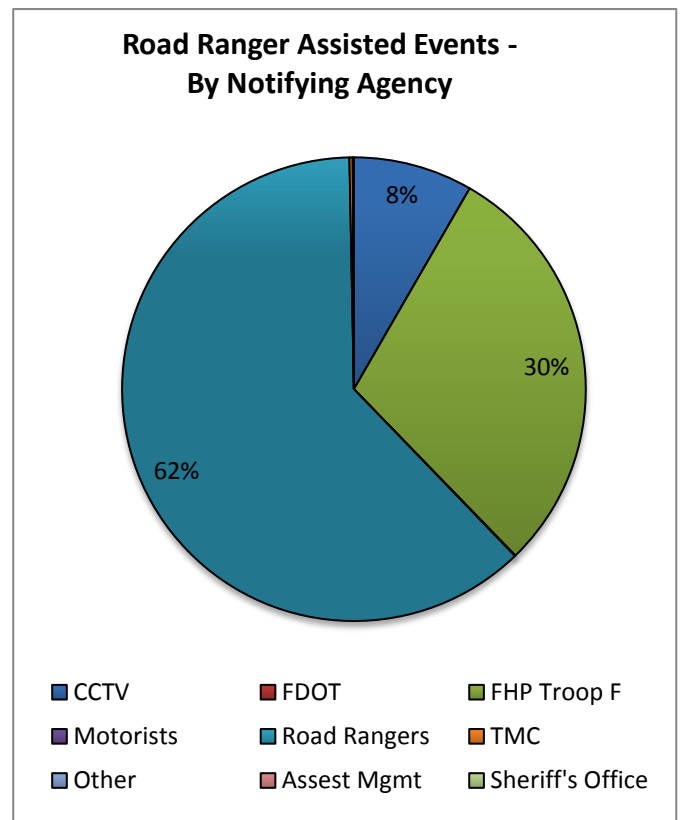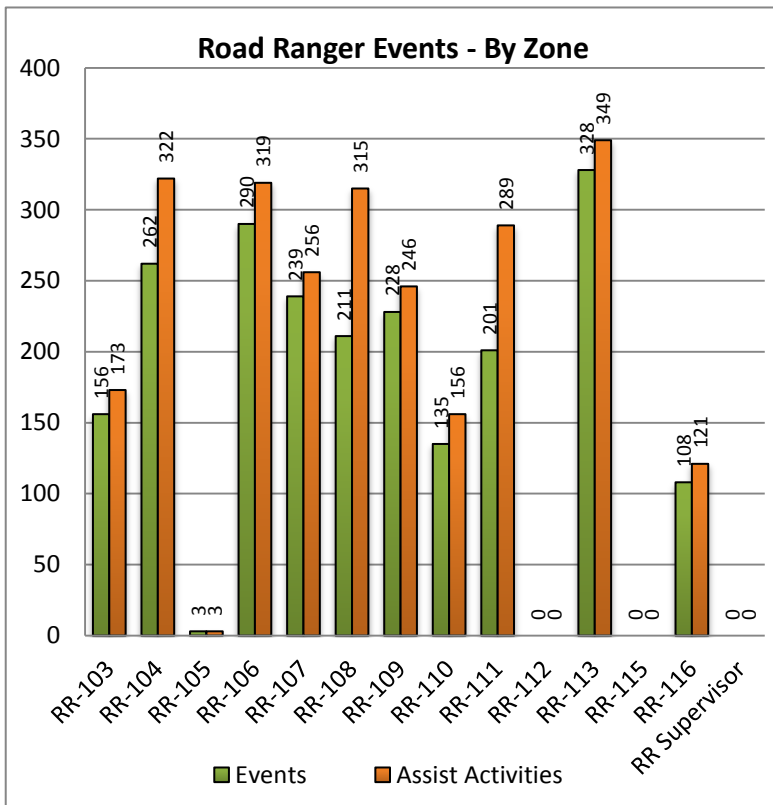
22. Road Ranger Assisted Events - By Time of Day:		
Time of Day	RR Events	RR Assists
12 AM - 1 AM	21	22
1 AM - 2 AM	14	15
2 AM - 3 AM	21	22
3 AM - 4 AM	15	15
4 AM - 5 AM	14	16
5 AM - 6 AM	6	8
6 AM - 7 AM	24	26
7AM - 8 AM	96	119
8 AM - 9 AM	146	194
9 AM - 10 AM	170	208
10 AM - 11 AM	171	202
11 AM - 12 PM	151	189

Time of Day	RR Events	RR Assists
12 PM - 1 PM	158	194
1 PM - 2 PM	189	222
2 PM - 3 PM	183	217
3 PM - 4 PM	171	197
4 PM - 5 PM	196	223
5 PM - 6 PM	157	178
6 PM - 7 PM	96	108
7 PM - 8 PM	48	57
8 PM - 9 PM	28	31
9 PM - 10 PM	33	38
10 PM - 11 PM	23	24
11 PM - 12 AM	22	24
Totals	2153	2549

Road Rangers Events - By Time of Day

Road Ranger Events — Road Ranger Assists
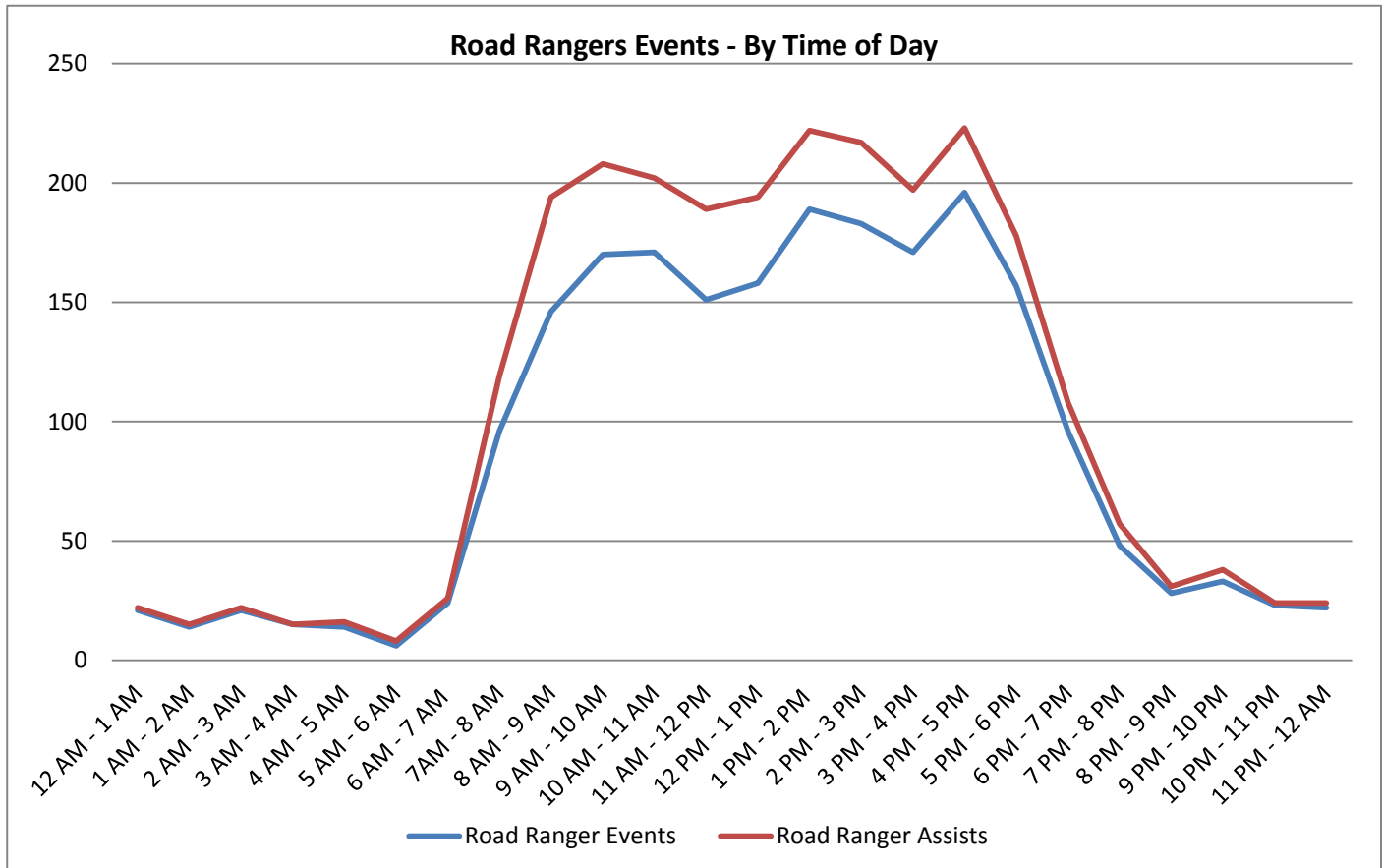
23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	126
Absorbant	0
Activity	7
Assist FHP	63
Bleach	0
Cold Patch Asphalt	0
Debris	471
Deploy Cones	0
Diesel	7
Directions	27
Dispatch Not Found	239
Flare	0
Flat Tire	335
Flood Lamp	0
Gas	214
Jump	49
Livestock	0
Lockout	0
Minor Repair	69
Miscellaneous	1
MOT non-specific	397
No Assistance	251
Oil	0
Other	145
Phone	0
Portland Cement	0
Push	10
Radio	0
Tow	40
Translate	0
Transmission Fluid	0
Transport	8
Turbo Flare	0
Unsuccessful Repair	0
Void	8
Water	82
Wildlife	0
Total Assist Activities	2549

Road Ranger Events - By Solution Type

Solution Type	Value
Activity	7
Assist FHP	63
Debris	471
Diesel	7
Directions	27
Dispatch Not Found	239
Flat Tire	335
Gas	214
Jump	49
Minor Repair	69
Miscellaneous	1
MOT non-specific	397
No Assistance	251
Other	145
Push	10
Tow	40
Transport	8
Void	8
Water	82
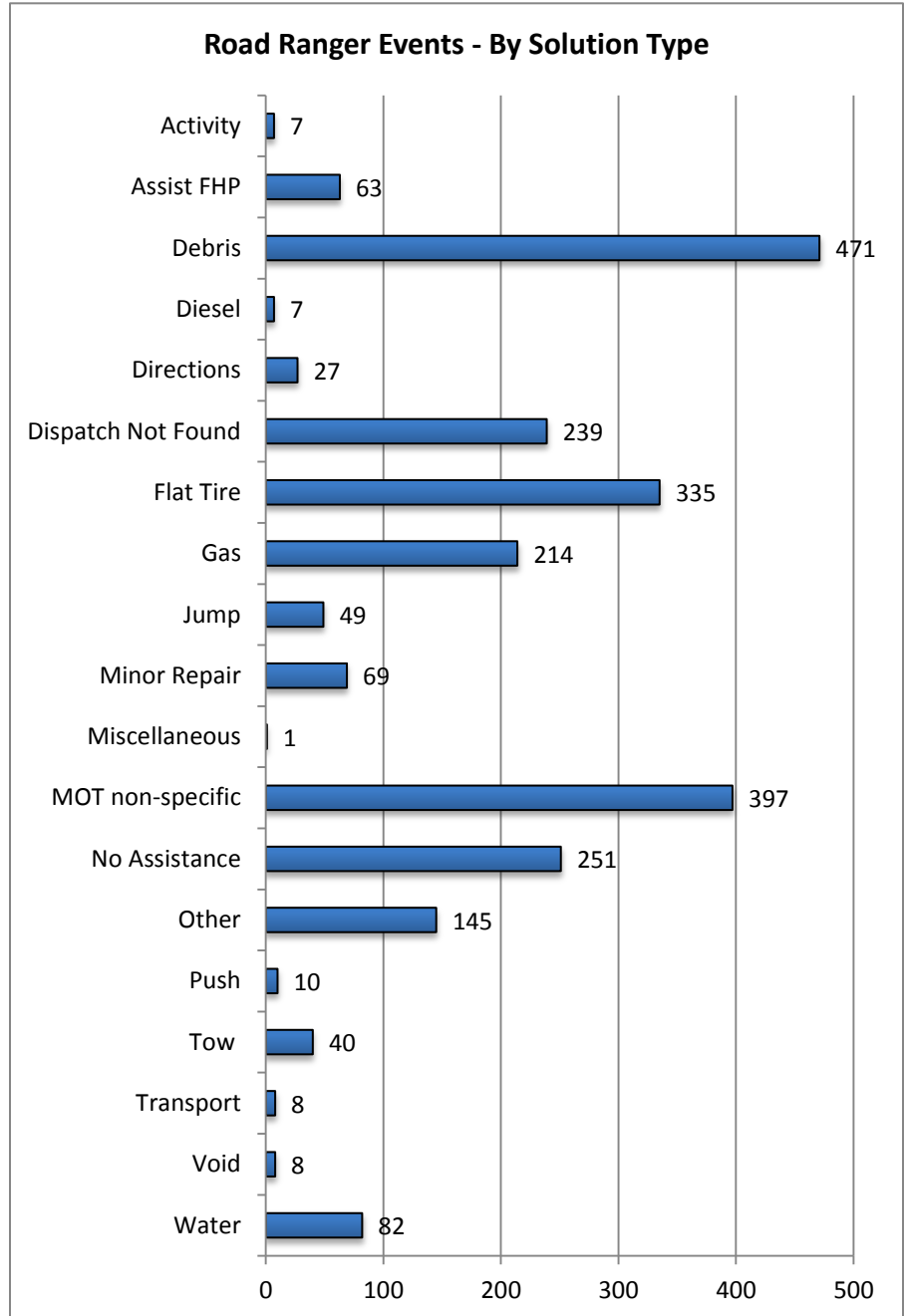
Note: Problem Type categories listed as zero are not included in the above chart.