



This is the FDOT District 1 Swift SunGuide Center Monthly Operations Report, for December 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:	
	4183

2. Number of Lane Blocking Events:	
	258

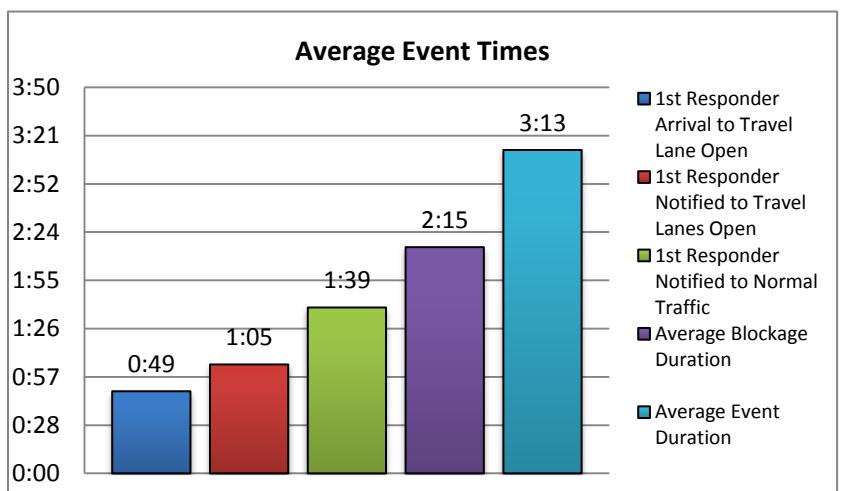
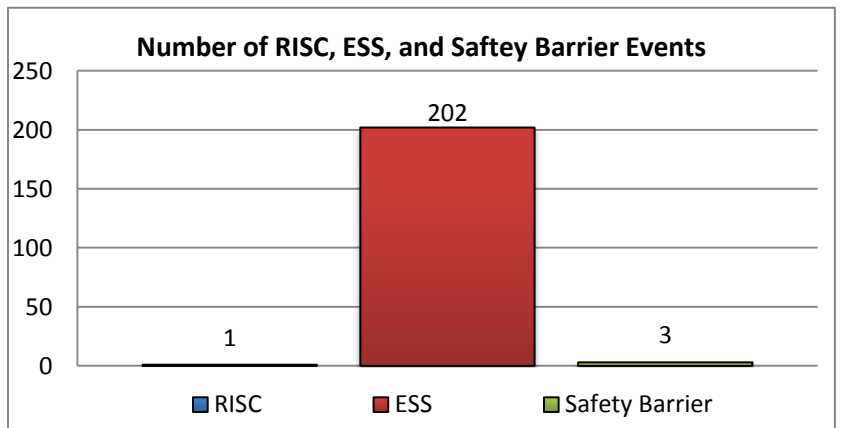
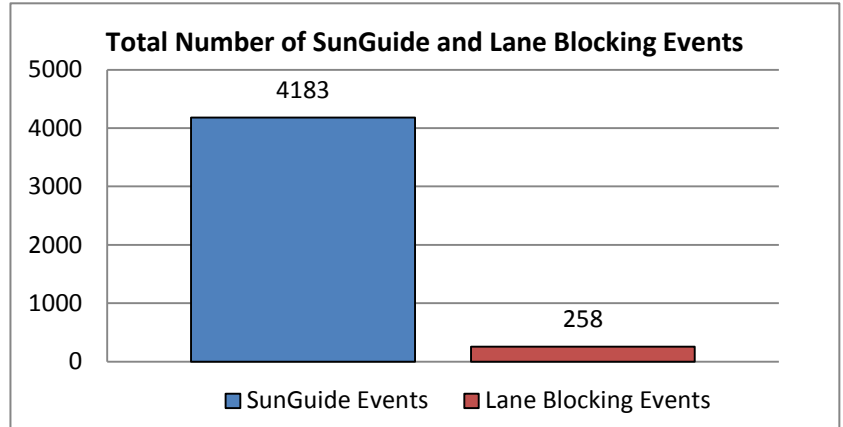
3. Number of RISC Events:	
	1

4. Number of ESS Events:	
	202

5. Events from a Safety Barrier Alert:	
	3

6. Average Open Roads Policy & Normal Traffic Times for I-75 Incidents	
Average Incident Duration From First Responder Arrival to Travel Lane Open	0:49
Average Incident Duration From First Responder Notified to Travel Lane Open	1:05
Average Incident Duration From First Responder Notified to Normal Traffic	1:39

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4183
Number of Lane Blocking Events	258
Number of Secondary Incidents	20
Average Blockage Duration	2:15
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.

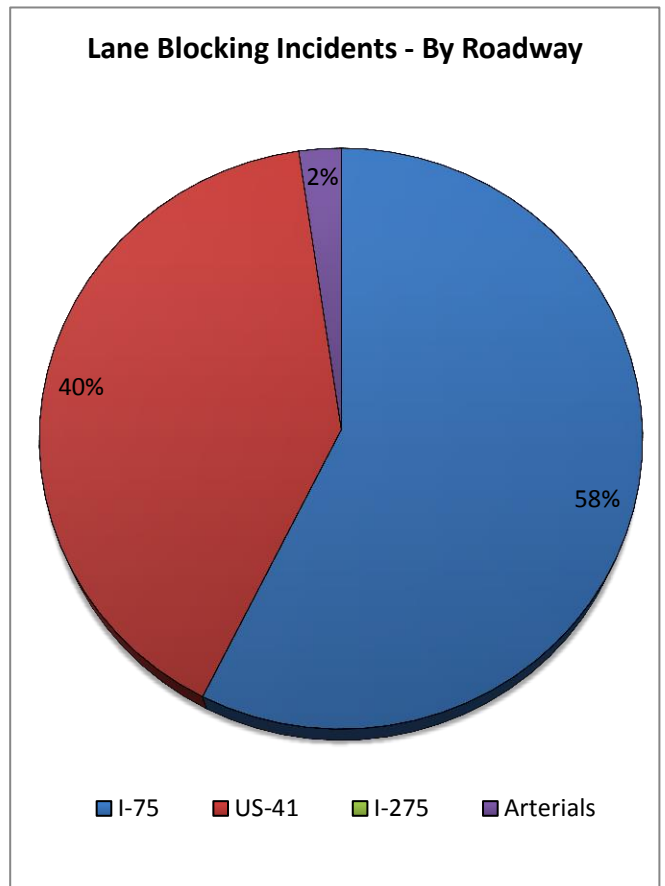
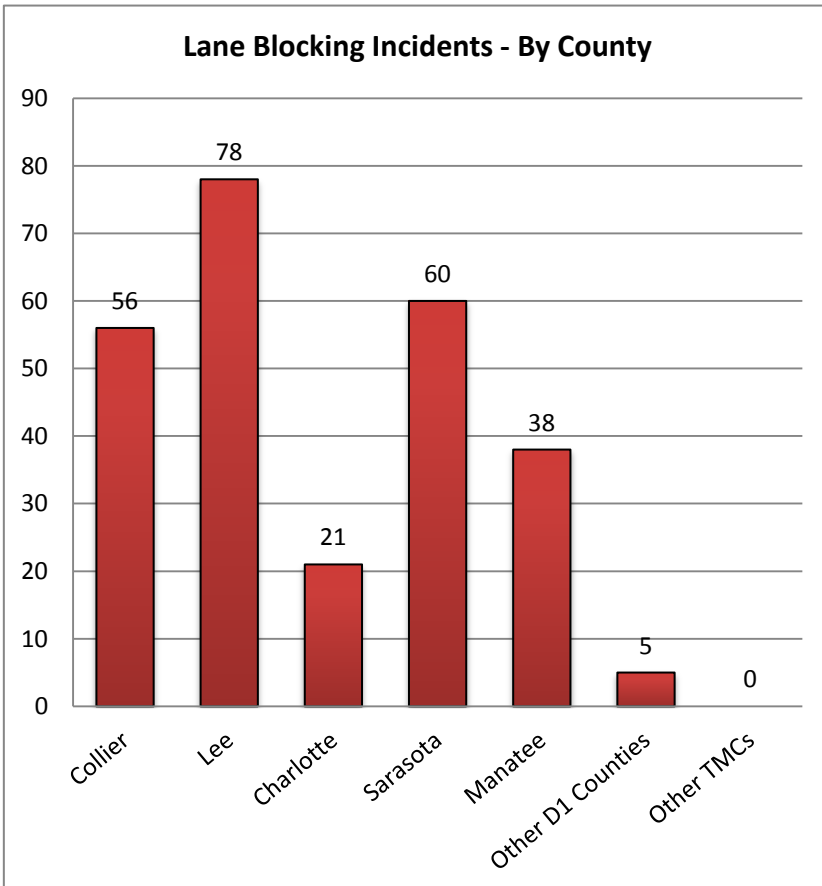


8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	35	41	13	33	26	-
US-41	21	36	8	27	12	-
I-275	-	-	-	-	0	-
Arterials	0	1	0	0	0	5
Total Incidents	56	78	21	60	38	5

Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	148
US-41	0	0	-	-	104
I-275	0	-	-	-	0
Arterials	0	0	0	0	6
Total Incidents	0	0	0	0	258

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



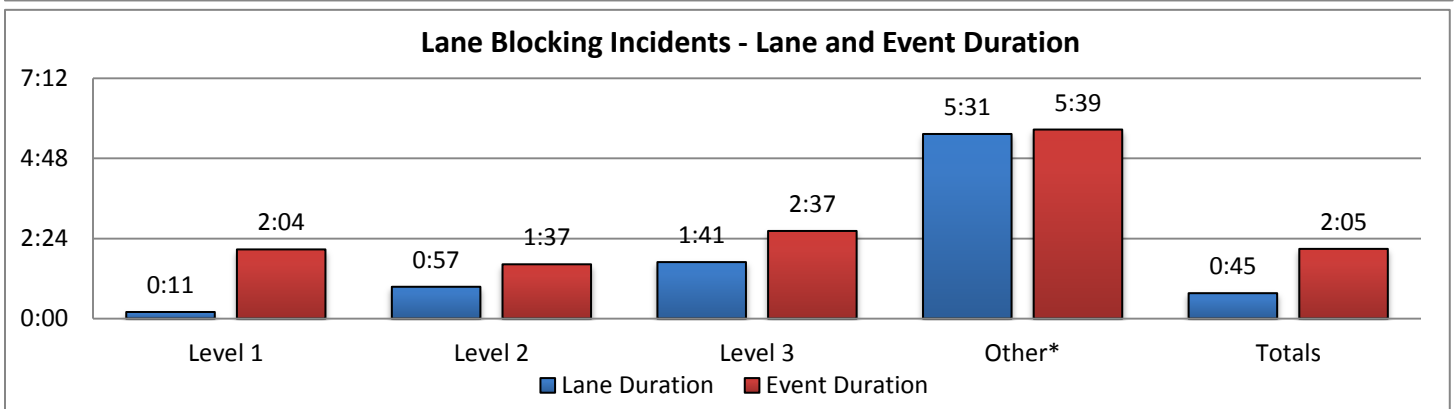
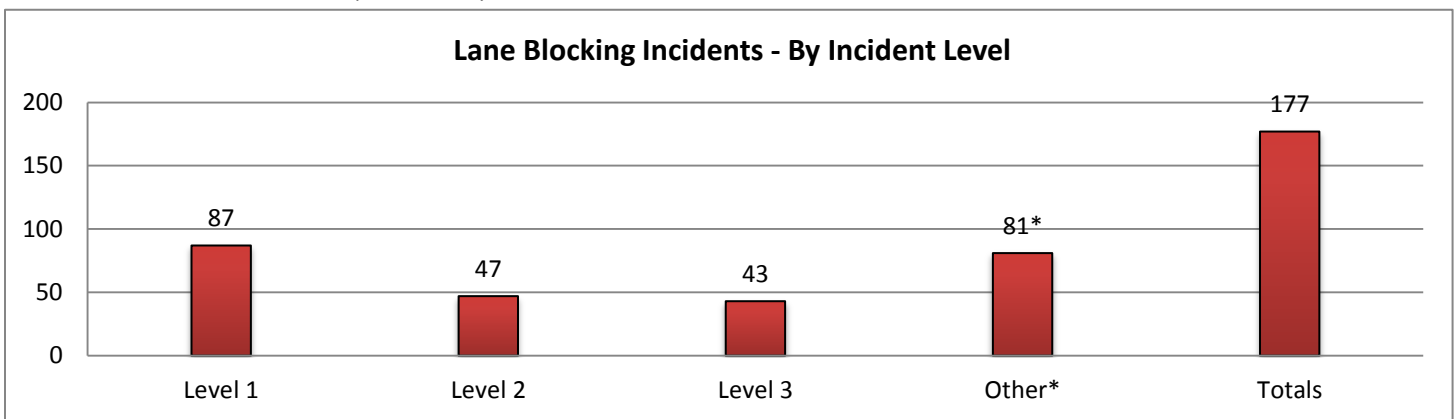


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	21	0:13	5:12	24	0:12	1:27	9	0:11	0:31	15	0:08	0:50
Level 2	8	0:46	1:43	5	1:07	1:40	7	0:58	1:23	14	0:59	1:37
Level 3	10	2:10	3:04	11	2:11	2:46	4	0:31	1:12	9	1:15	2:52
Other*	17*	4:48	4:56	38*	6:00	6:07	1*	1:18	1:25	22*	5:41	5:51
Totals	39	0:49	3:56	40	0:51	1:50	20	0:31	0:57	38	0:42	1:36

	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	18	0:14	1:04	0	0:00	0:00	0	0:00	0:00	87	0:11	2:04
Level 2	13	0:58	1:42	0	0:00	0:00	0	0:00	0:00	47	0:57	1:37
Level 3	5	1:17	2:42	4	1:51	1:56	0	0:00	0:00	43	1:41	2:37
Other*	2*	3:01	3:07	1*	6:08	6:14	0*	0:00	0:00	81*	5:31	5:39
Totals	36	0:38	1:31	4	1:51	1:56	0	0:00	0:00	177	0:45	2:05

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

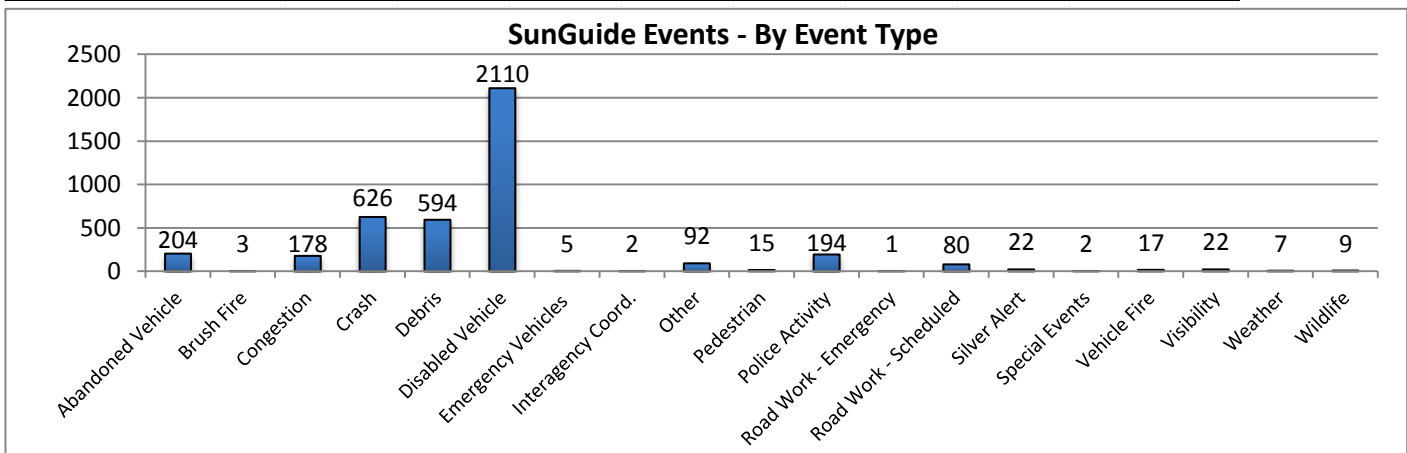




10. SunGuide Events - by Event Type:

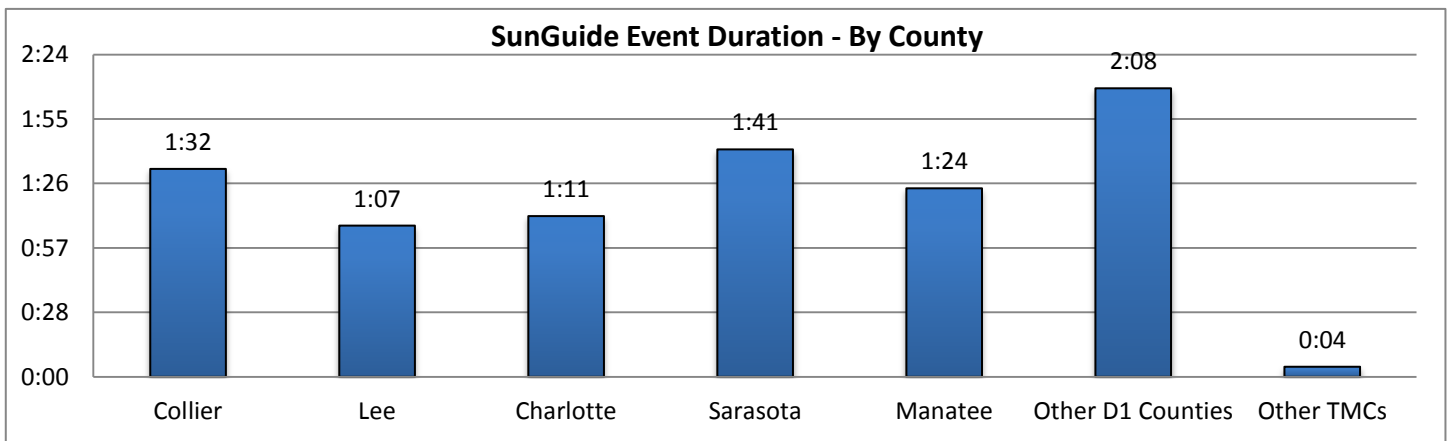
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	41	59	13	55	36	0	0	204
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	2	0	1	0	0	0	0	3
Congestion	9	22	2	42	103	0	0	178
Crash	56	170	29	186	177	8	0	626
Debris	93	135	104	148	114	0	0	594
Disabled Vehicle	664	571	187	364	320	0	4	2110
Emergency Vehicles	1	3	0	0	1	0	0	5
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	2	0	0	0	0	0	0	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	14	17	12	36	13	0	0	92
Pedestrian	4	2	0	4	5	0	0	15
Police Activity	53	67	35	26	13	0	0	194
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	0	1	0	0	0	0	0	1
Road Work - Scheduled	18	38	2	20	1	1	0	80
Silver Alert	0	22	0	0	0	0	0	22
Special Events	0	0	0	0	0	2	0	2
Vehicle Fire	5	4	2	2	4	0	0	17
Visibility	7	4	4	5	2	0	0	22
Weather	3	2	1	0	1	0	0	7
Wildlife	3	1	1	3	1	0	0	9
Total Incidents	975	1118	393	891	791	11	4	4183

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	12:59	7:50	10:47	11:33	11:11	0:00	0:00	10:38
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	0:20	0:00	0:12	0:00	0:00	0:00	0:00	0:17
Congestion	0:29	0:58	0:15	1:02	0:58	0:00	0:00	0:57
Crash	1:31	1:11	1:10	1:06	1:12	1:09	0:00	1:11
Debris	0:14	0:19	0:09	0:25	0:18	0:00	0:00	0:17
Disabled Vehicle	1:02	0:15	1:13	1:03	1:00	0:00	0:04	0:50
Emergency Vehicles	0:24	0:18	0:00	0:00	0:09	0:00	0:00	0:17
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.	5:50	0:00	0:00	0:00	0:00	0:00	0:00	5:50
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:24	0:34	0:04	0:09	0:49	0:00	0:00	0:20
Pedestrian	0:14	0:15	0:00	0:08	0:18	0:00	0:00	0:13
Police Activity	0:19	0:15	0:17	0:15	0:43	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	0:00	2:06	0:00	0:00	0:00	0:00	0:00	2:06
Road Work - Scheduled	4:52	6:08	1:38	6:23	1:46	6:14	0:00	5:44
Silver Alert	0:00	4:12	0:00	0:00	0:00	0:00	0:00	4:12
Special Events	0:00	0:00	0:00	0:00	0:00	4:05	0:00	4:05
Vehicle Fire	1:44	0:55	1:19	1:37	1:40	0:00	0:00	1:27
Visibility	6:05	6:11	8:11	6:49	4:59	0:00	0:00	6:33
Weather	1:15	2:23	2:43	0:00	1:23	0:00	0:00	1:48
Wildlife	0:30	0:18	0:30	1:28	0:15	0:00	0:00	0:46
Total Incidents	1:32	1:07	1:11	1:41	1:24	2:08	0:04	1:24





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
2532	308	8	2:54

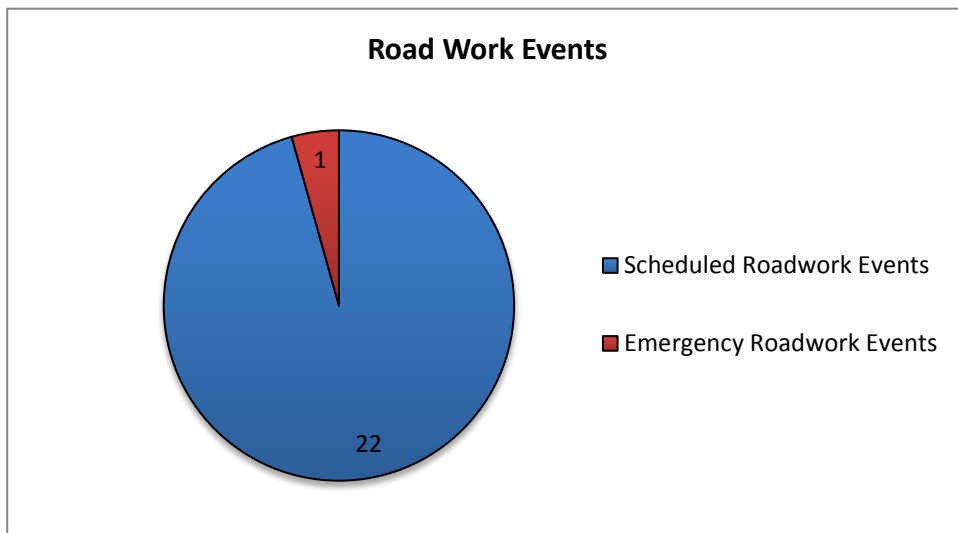
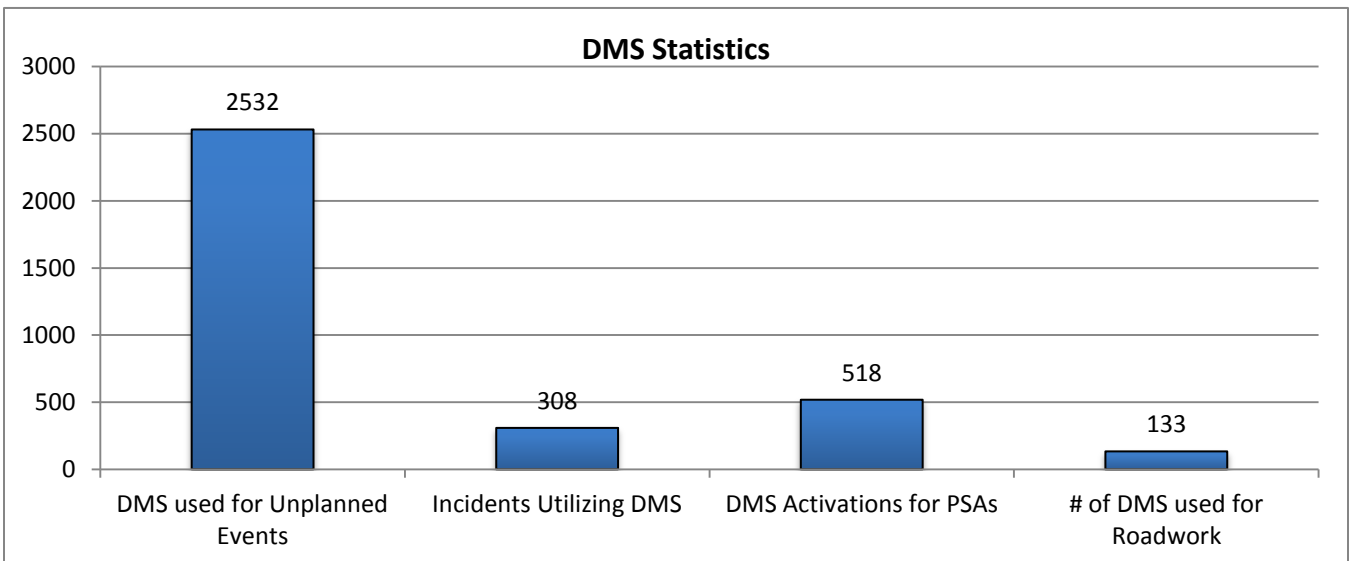
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
518

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
22	1	23
# DMS Used for Road Work		Average # of DMS/Pattern
133		6

* 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	180	Mile 49-79.9	203
Mile 80-100.9	170	Mile 80-100.9	119
Mile 101-104.9	17	Mile 101-104.9	22
Mile 105-106.9	28	Mile 105-106.9	31
Mile 107-110.9	48	Mile 107-110.9	48
Mile 111-115.9	50	Mile 111-115.9	35
Mile 116-122.9	115	Mile 116-122.9	108
Mile 123-127.9	90	Mile 123-127.9	54
Mile 128-130.9	47	Mile 128-130.9	28
Mile 131-135.9	94	Mile 131-135.9	59
Mile 136 -137.9	30	Mile 136 -137.9	31
Mile 138 -138.9	25	Mile 138 -138.9	21
Mile 139 - 140.9	65	Mile 139 - 140.9	23
Mile 141 - 142.9	25	Mile 141 - 142.9	21
Mile 143 - 157.9	126	Mile 143 - 157.9	105
Mile 158 - 160.9	24	Mile 158 - 160.9	16
Mile 161 - 163.9	18	Mile 161 - 163.9	24
Mile 164 - 166.9	19	Mile 164 - 166.9	23
Mile 167 -169.9	52	Mile 167 -169.9	33
Mile 170 - 178.9	57	Mile 170 - 178.9	49
Mile 179 - 181.9	16	Mile 179 - 181.9	18
Mile 182 - 190.9	44	Mile 182 - 190.9	64
Mile 191 - 192.9	13	Mile 191 - 192.9	39
Mile 193 - 194.9	20	Mile 193 - 194.9	26
Mile 195 -199.9	39	Mile 195 -199.9	31
Mile 200 - 204.9	58	Mile 200 - 204.9	39
Mile 205 - 206.9	34	Mile 205 - 206.9	28
Mile 207 - 209.9	44	Mile 207 - 209.9	29
Mile 210 -212.9	84	Mile 210 -212.9	73
Mile 213 - 216.9	94	Mile 213 - 216.9	100
Mile 217 - 219.9	50	Mile 217 - 219.9	58
Mile 220 - 223.9	77	Mile 220 - 223.9	70
Mile 224 -227.9	64	Mile 224 -227.9	55
Mile 228 - 228.9	9	Mile 228 - 228.9	22
Mile 229 -229.9	11	Mile 229 -229.9	2
Mile 230 - 239.9	10	Mile 230 - 239.9	1
> Mile 240	0	> Mile 240	0
North Total	1947	South Total	1708

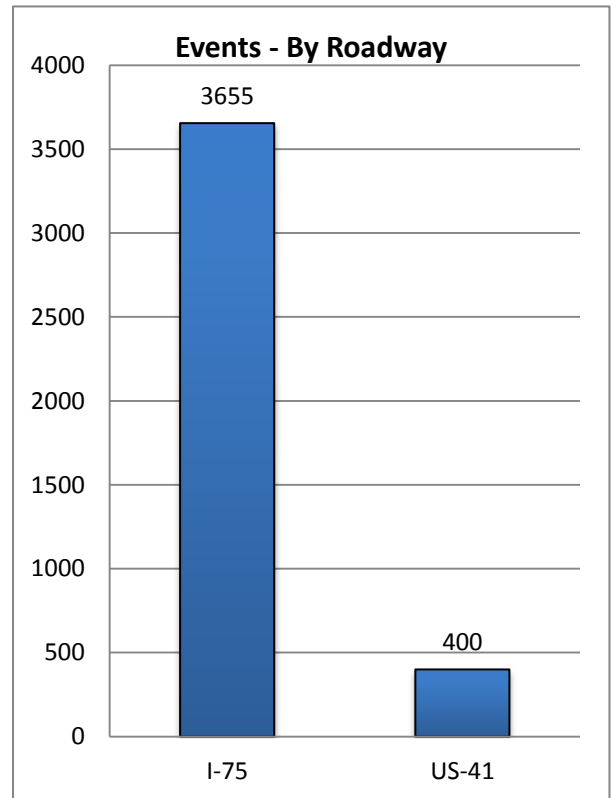
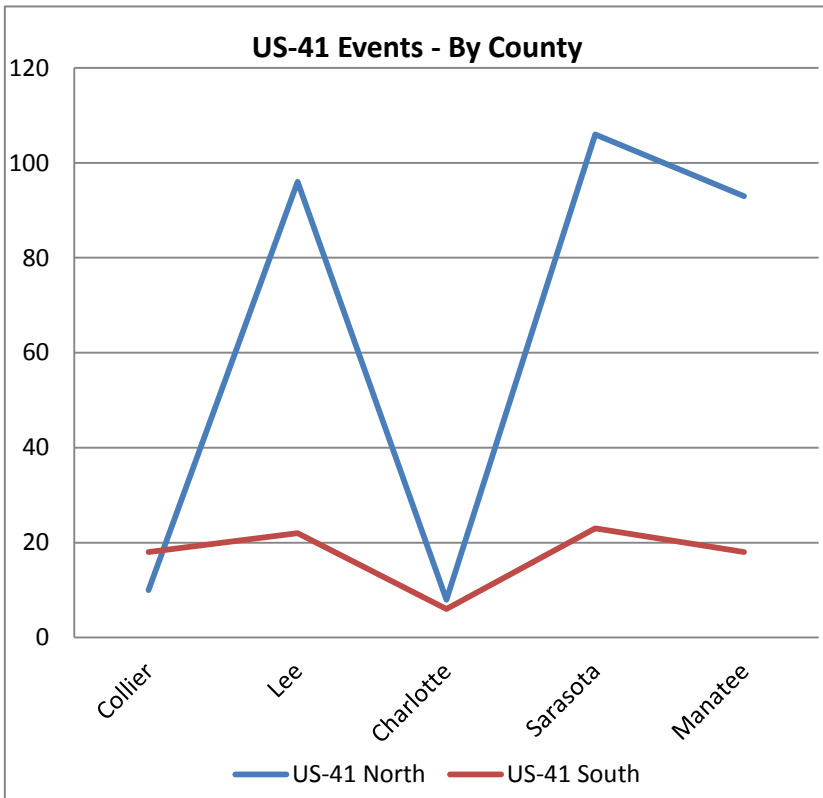
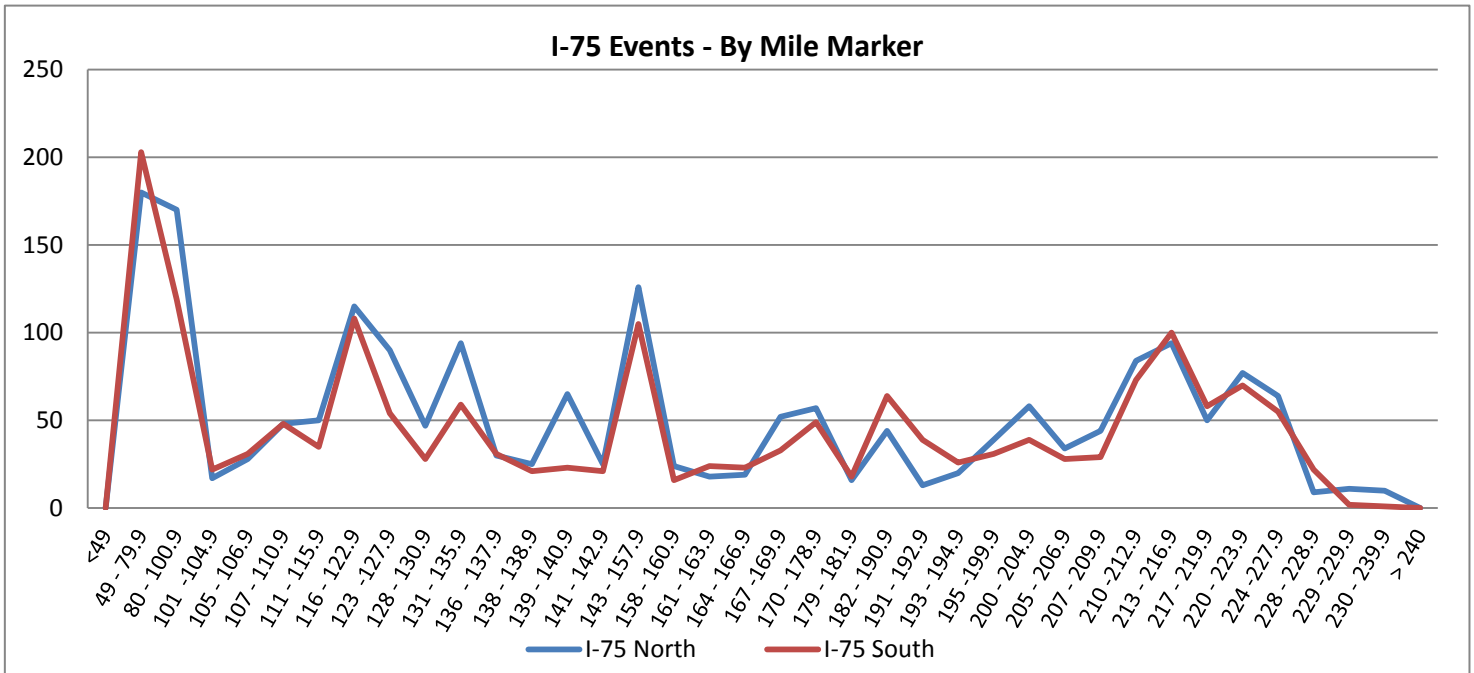
US-41 Northbound	
Collier	10
Lee	96
Charlotte	8
Sarasota	106
Manatee	93
North Total	313

US-41 Southbound	
Collier	18
Lee	22
Charlotte	6
Sarasota	23
Manatee	18
South Total	87

Total Events on US-41
400

Total Events on I-75
3655

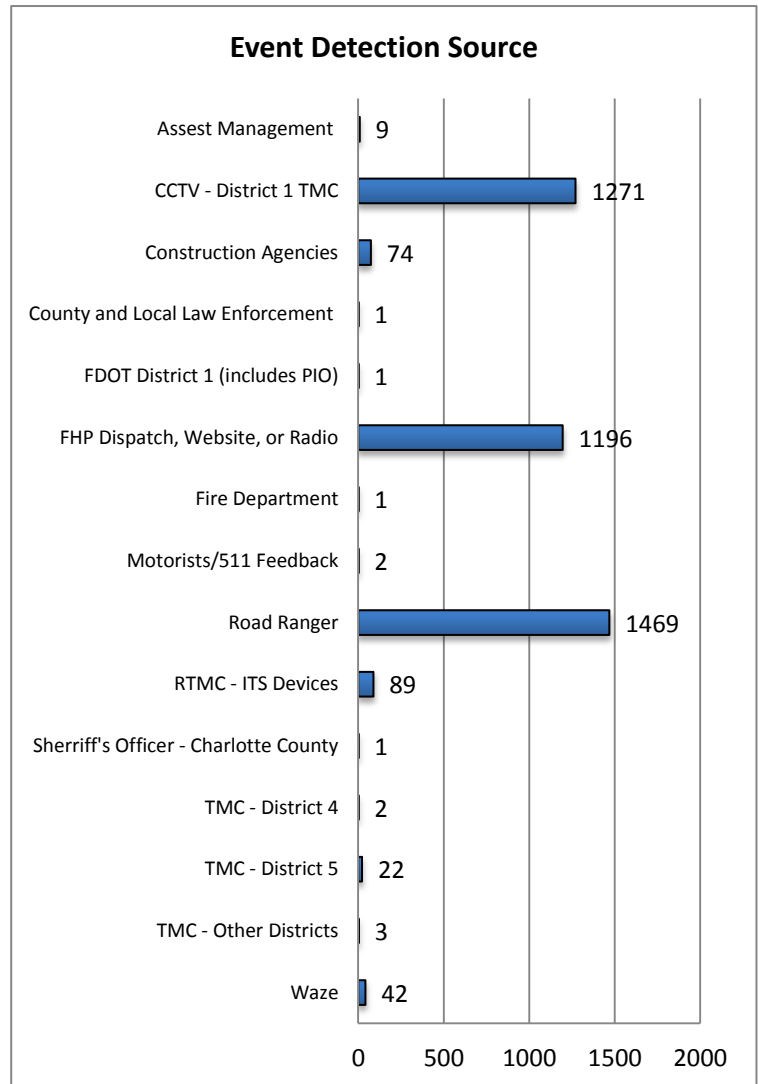
Note: The charts for these tables appear on the following page.





16. Event Detection Source:

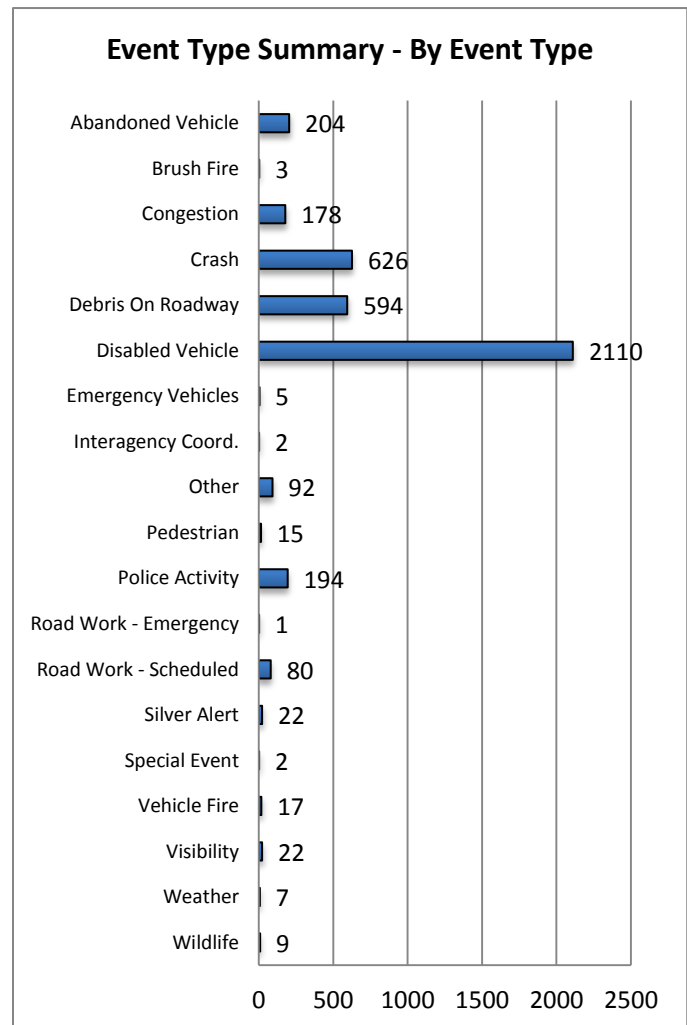
Assest Management (includes Dbi & ICA)	9	0.2%
CCTV - District 1 TMC	1271	30.4%
CCTV - Other	0	0.0%
Construction Agencies	74	1.8%
County and Local Law Enforcement	1	0.0%
Emergency Operations Center	0	0.0%
Emergency Operations Center-Lee	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	1	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1196	28.6%
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	2	0.0%
Other	0	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1469	35.1%
RTMC - ITS Devices (TSS & Safety Barrier)	89	2.1%
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	0	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	2	0.0%
TMC - District 5	22	0.5%
TMC - District 7	0	0.0%
TMC - Other Districts	3	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	0	0.0%
Waze	42	1.0%
Total Number of Incidents	4183	100.0%



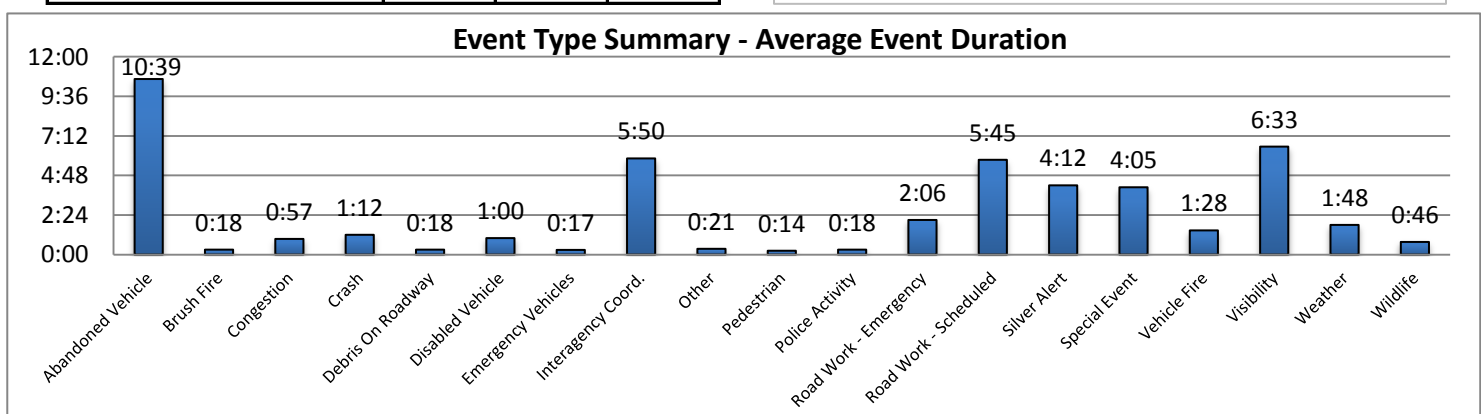
Note: Event Detection Source Categories listed as zero are not included in the above chart.



17. Event Type Summary			
Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	204	2:06	10:39
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	3	0:11	0:18
Congestion	178	0:00	0:57
Crash	626	0:51	1:12
Debris On Roadway	594	0:10	0:18
Disabled Vehicle	2110	0:21	1:00
Emergency Vehicles	5	0:07	0:17
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	2	0:00	5:50
LEO Alert	0	0:00	0:00
Other	92	0:04	0:21
Pedestrian	15	0:06	0:14
Police Activity	194	0:13	0:18
PSA	0	0:00	0:00
Road Work - Emergency	1	0:00	2:06
Road Work - Scheduled	80	0:10	5:45
Silver Alert	22	0:34	4:12
Special Event	2	0:00	4:05
Vehicle Fire	17	0:54	1:28
Visibility	22	0:12	6:33
Weather	7	0:00	1:48
Wildlife	9	0:38	0:46
Total Events	4183	0:20	2:31



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 & I-275 MM 0-13
RR107	MM 116-138		
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

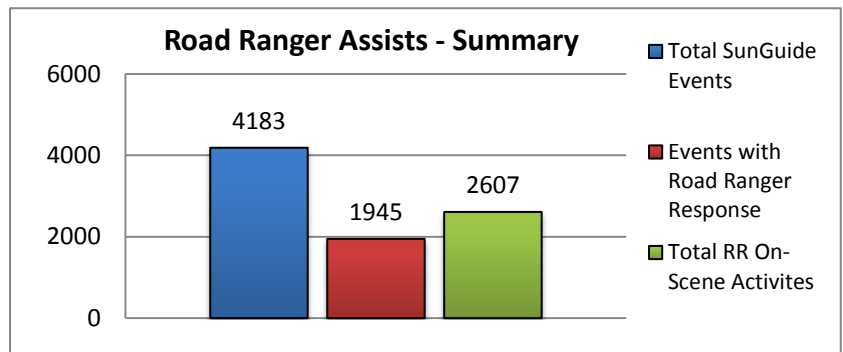
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

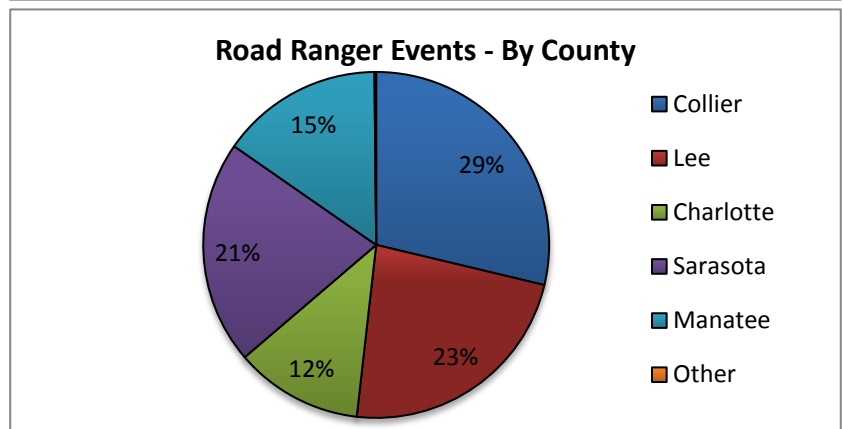
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4183
Events with Road Ranger Response	1945
Total RR On-Scene Activities	2607
Average Activities/Assisted Event	1.34
% of Events Assisted	46.50%



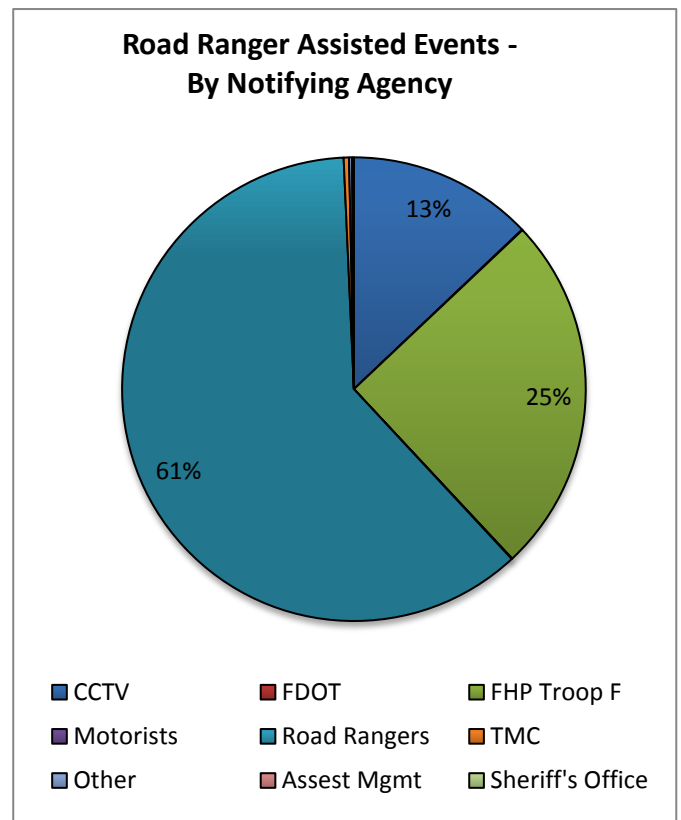
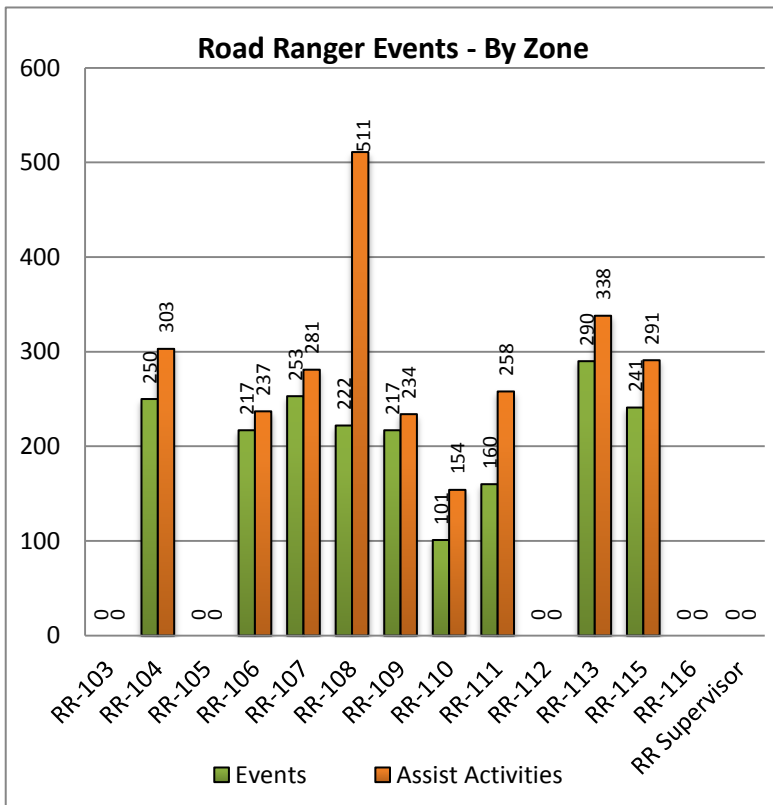
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	695
Lee	558
Charlotte	289
Sarasota	506
Manatee	367
Other	4
Totals	2419





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	0	0
RR-104	250	303
RR-105	0	0
RR-106	217	237
RR-107	253	281
RR-108	222	511
RR-109	217	234
RR-110	101	154
RR-111	160	258
RR-112	0	0
RR-113	290	338
RR-115	241	291
RR-116	0	0
RR Supervisor	0	0
Totals	1951	2607

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	310	12.8%
FDOT	1	0.0%
FHP Troop F	602	24.9%
Motorists	1	0.0%
Road Rangers	1469	60.7%
TMC	9	0.4%
Other	5	0.2%
Assest Mgmt	3	0.1%
Sheriff's Office	0	0.0%
Waze	19	0.8%
Totals	2419	100.0%

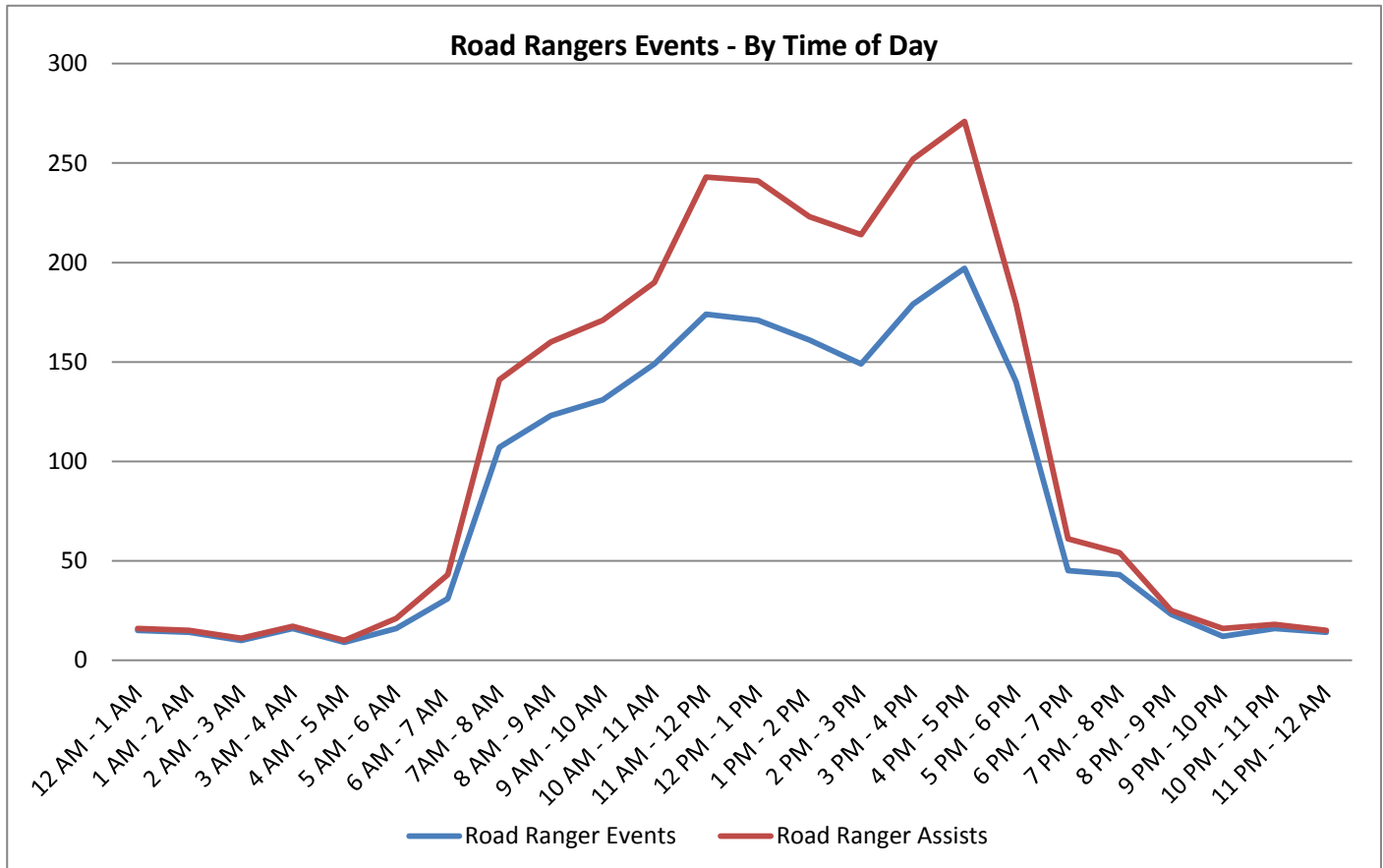




**22. Road Ranger Assisted Events -
By Time of Day:**

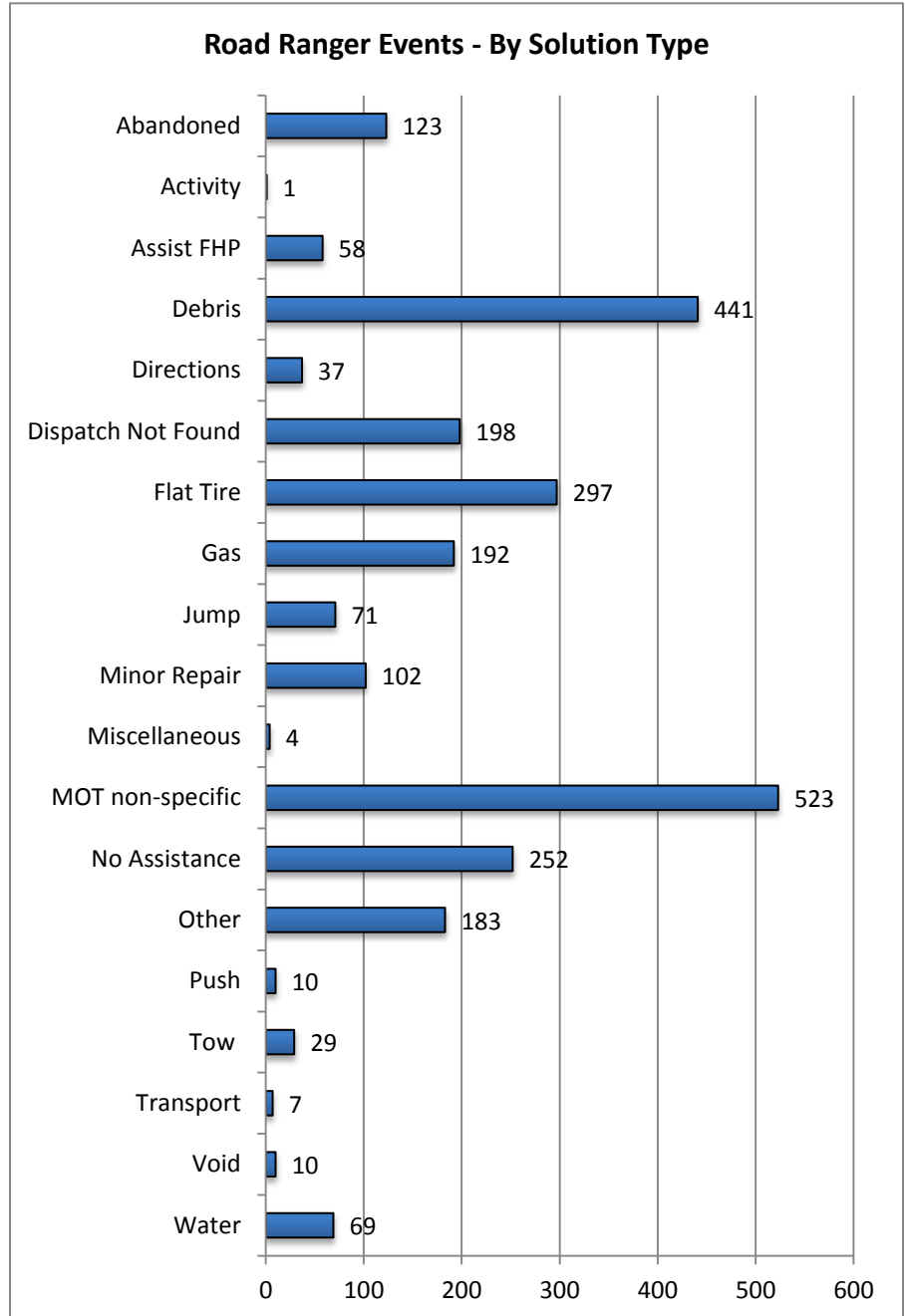
Time of Day	RR Events	RR Assists
12 AM - 1 AM	15	16
1 AM - 2 AM	14	15
2 AM - 3 AM	10	11
3 AM - 4 AM	16	17
4 AM - 5 AM	9	10
5 AM - 6 AM	16	21
6 AM - 7 AM	31	43
7 AM - 8 AM	107	141
8 AM - 9 AM	123	160
9 AM - 10 AM	131	171
10 AM - 11 AM	149	190
11 AM - 12 PM	174	243

Time of Day	RR Events	RR Assists
12 PM - 1 PM	171	241
1 PM - 2 PM	161	223
2 PM - 3 PM	149	214
3 PM - 4 PM	179	252
4 PM - 5 PM	197	271
5 PM - 6 PM	140	179
6 PM - 7 PM	45	61
7 PM - 8 PM	43	54
8 PM - 9 PM	23	25
9 PM - 10 PM	12	16
10 PM - 11 PM	16	18
11 PM - 12 AM	14	15
Totals	1945	2607





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	123
Absorbant	0
Activity	1
Assist FHP	58
Bleach	0
Cold Patch Asphalt	0
Debris	441
Deploy Cones	0
Diesel	0
Directions	37
Dispatch Not Found	198
Flare	0
Flat Tire	297
Flood Lamp	0
Gas	192
Jump	71
Livestock	0
Lockout	0
Minor Repair	102
Miscellaneous	4
MOT non-specific	523
No Assistance	252
Oil	0
Other	183
Phone	0
Portland Cement	0
Push	10
Radio	0
Tow	29
Translate	0
Transmission Fluid	0
Transport	7
Turbo Flare	0
Unsuccessful Repair	0
Void	10
Water	69
Wildlife	0
Total Assist Activities	2607



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