



This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for April 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:	
	4977

2. Number of Lane Blocking Events:	
	518

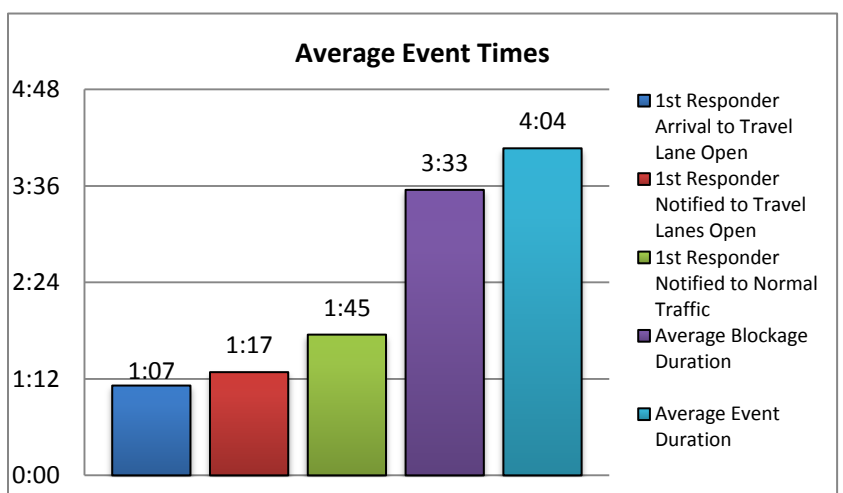
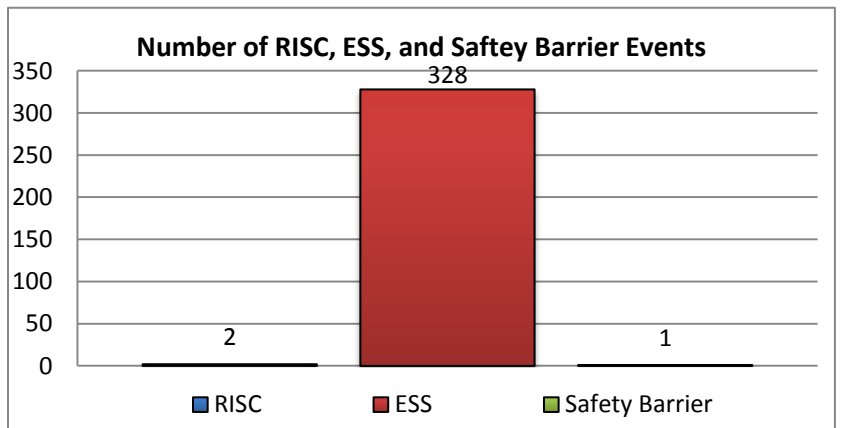
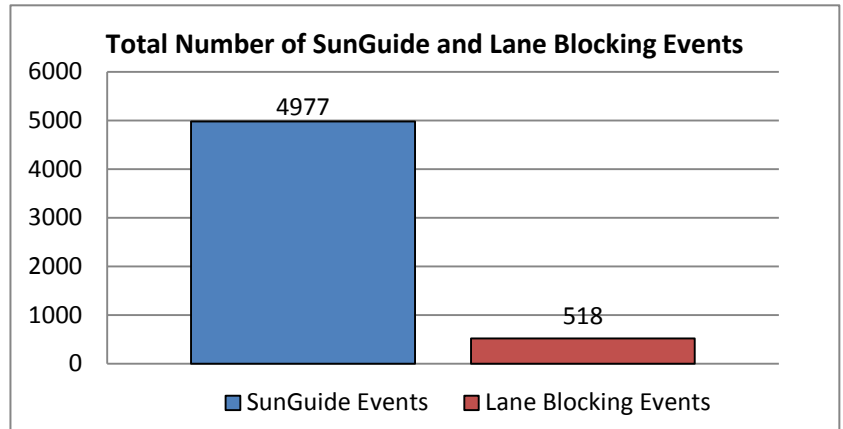
3. Number of RISC Events:	
	2

4. Number of ESS Events:	
	328

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	1:07
Average Incident Duration From First Responder Notified to Travel Lane Open	1:17
Average Incident Duration From First Responder Notified to Normal Traffic	1:45

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	4977
Number of Lane Blocking Events	518
Number of Secondary Incidents	53
Average Blockage Duration	3:33
Average Event Duration	4:04



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.



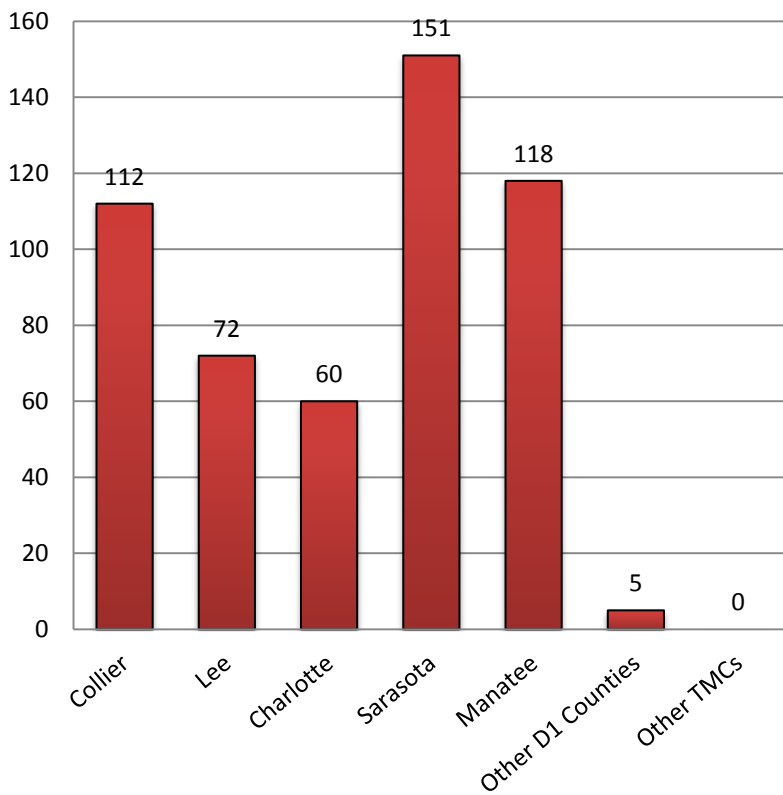
8. Lane Blocking Incidents - By County and Roadway:

Roadways	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other Dist 1 Counties
I-75	98	53	35	91	94	-
US-41	6	9	25	13	16	-
I-275	-	-	-	-	0	-
Arterials	8	10	0	47	8	5
Total Incidents	112	72	60	151	118	5

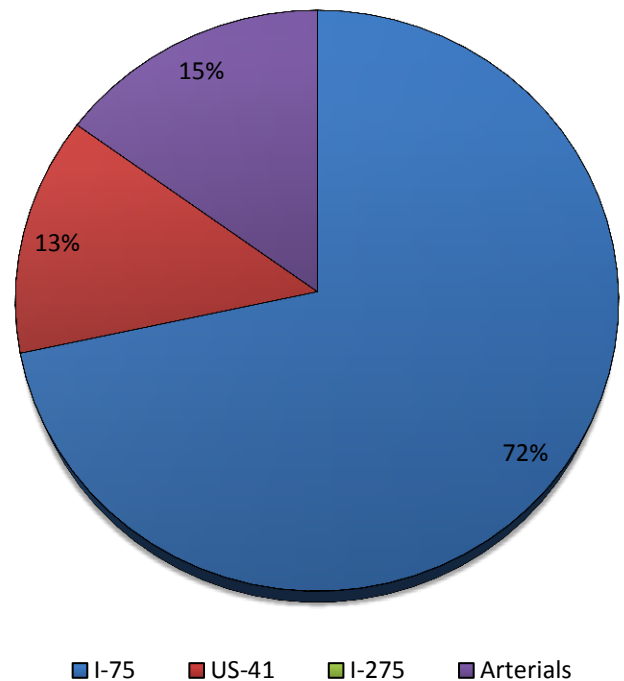
Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	371
US-41	0	0	-	-	69
I-275	0	-	-	-	0
Arterials	0	0	0	0	78
Total Incidents	0	0	0	0	518

*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



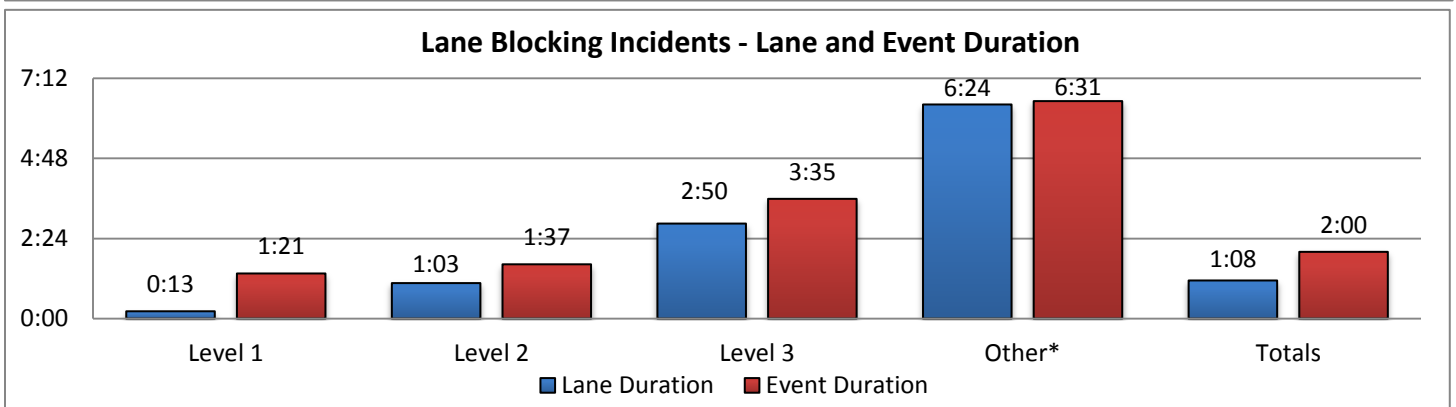
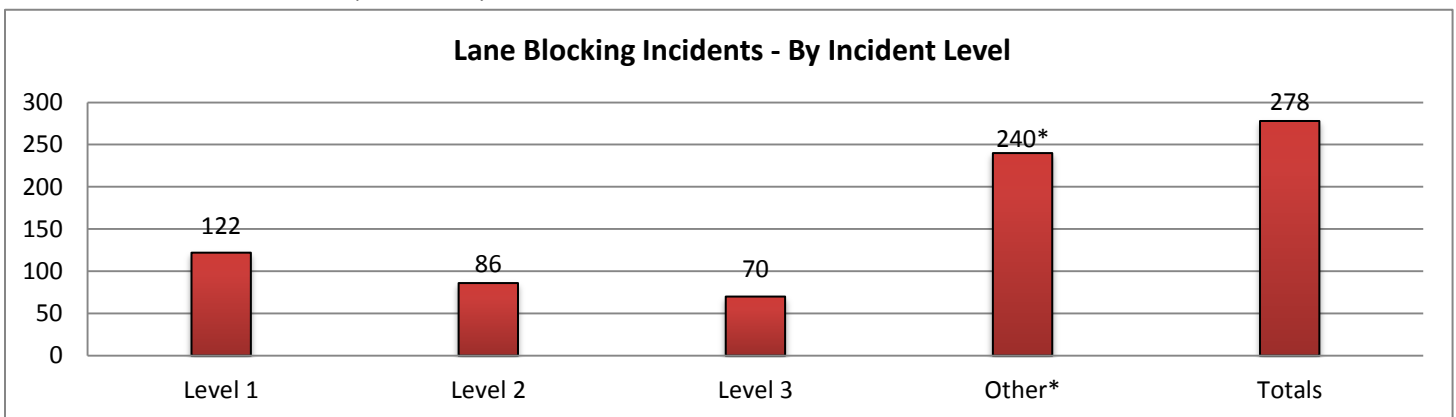


9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	15	0:11	1:46	30	0:14	1:50	11	0:14	0:53	37	0:14	1:22
Level 2	11	1:04	1:37	22	0:59	1:34	15	1:01	1:30	26	1:09	1:41
Level 3	13	3:18	4:07	9	3:12	4:02	7	3:01	3:44	17	2:23	3:26
Other*	73*	7:56	8:03	11*	6:10	6:13	27*	5:52	6:02	71*	5:55	6:00
Totals	39	1:28	2:30	61	0:56	2:03	33	1:10	1:46	80	0:59	1:54

	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	29	0:12	0:48	0	0:00	0:00	0	0:00	0:00	122	0:13	1:21
Level 2	12	1:05	1:47	0	0:00	0:00	0	0:00	0:00	86	1:03	1:37
Level 3	20	1:56	2:22	4	6:50	7:23	0	0:00	0:00	70	2:50	3:35
Other*	57*	5:31	5:36	1*	0:00	0:00	0*	0:00	0:00	240*	6:24	6:31
Totals	61	0:56	1:30	4	6:50	7:23	0	0:00	0:00	278	1:08	2:00

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

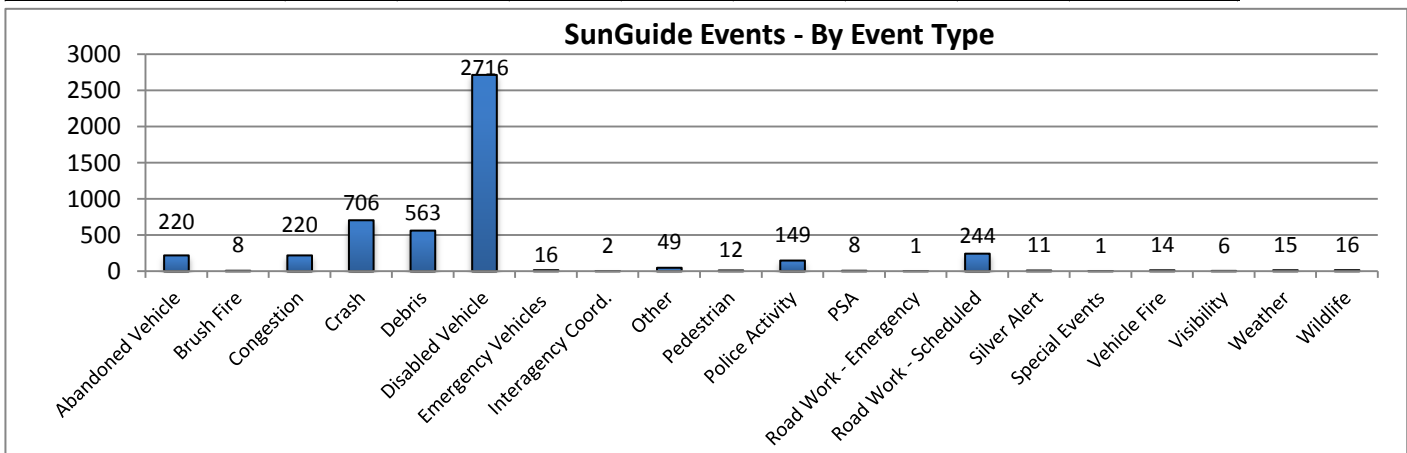




10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	44	81	18	48	29	0	0	220
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	4	1	1	1	1	0	0	8
Congestion	14	38	5	59	104	0	0	220
Crash	63	179	56	208	190	10	0	706
Debris	75	149	65	134	140	0	0	563
Disabled Vehicle	838	818	177	508	367	0	8	2716
Emergency Vehicles	0	3	4	4	5	0	0	16
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	0	0	0	0	1	0	1	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	3	13	6	18	9	0	0	49
Pedestrian	2	6	0	1	3	0	0	12
Police Activity	55	41	14	25	14	0	0	149
PSA	0	0	0	2	6	0	0	8
Road Work - Emergency	0	0	0	0	1	0	0	1
Road Work - Scheduled	75	14	24	72	58	1	0	244
Silver Alert	0	11	0	0	0	0	0	11
Special Events	1	0	0	0	0	0	0	1
Vehicle Fire	1	6	0	5	2	0	0	14
Visibility	1	1	1	2	1	0	0	6
Weather	3	3	2	4	3	0	0	15
Wildlife	5	2	1	4	4	0	0	16
Total Incidents	1184	1366	374	1095	938	11	9	4977

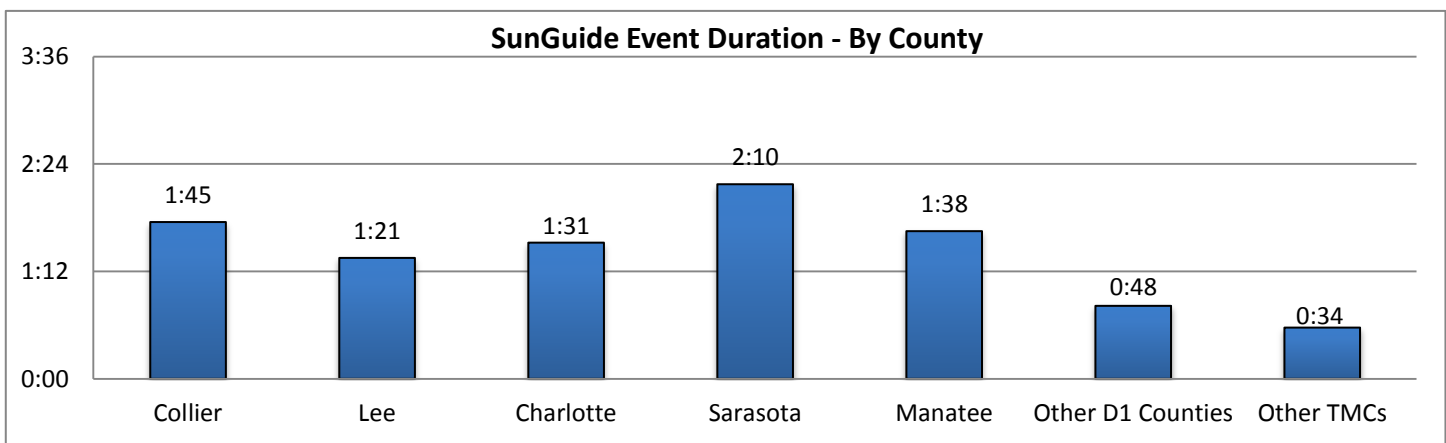
Note: Incident categories that are listed as zero are not included in the chart below.





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	10:53	7:01	6:22	9:00	4:21	0:00	0:00	7:49
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	0:17	1:02	0:38	0:16	0:11	0:00	0:00	0:24
Congestion	0:39	1:00	1:31	1:34	1:13	0:00	0:00	1:14
Crash	1:56	1:19	1:11	1:27	1:27	0:47	0:00	1:25
Debris	0:16	0:19	0:16	0:26	0:20	0:00	0:00	0:20
Disabled Vehicle	0:58	0:56	0:59	2:00	1:29	0:00	0:04	1:13
Emergency Vehicles	0:00	2:12	4:06	0:51	0:31	0:00	0:00	1:48
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	1:00	0:00	4:34	2:47
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:51	0:05	0:12	0:09	0:17	0:00	0:00	0:12
Pedestrian	0:13	0:37	0:00	0:37	0:33	0:00	0:00	0:32
Police Activity	0:15	0:27	0:29	0:25	0:29	0:00	0:00	0:22
PSA	0:00	0:00	0:00	8:02	10:30	0:00	0:00	9:53
Road Work - Emergency	0:00	0:00	0:00	0:00	4:21	0:00	0:00	4:21
Road Work - Scheduled	8:02	6:33	6:41	5:55	5:37	1:05	0:00	6:35
Silver Alert	0:00	5:14	0:00	0:00	0:00	0:00	0:00	5:14
Special Events	2:29	0:00	0:00	0:00	0:00	0:00	0:00	2:29
Vehicle Fire	0:38	0:54	0:00	1:33	3:36	0:00	0:00	1:29
Visibility	1:30	0:55	1:12	2:04	3:34	0:00	0:00	1:53
Weather	1:29	1:49	1:09	0:43	2:22	0:00	0:00	1:28
Wildlife	0:51	0:10	0:10	1:26	0:33	0:00	0:00	0:47
Total Incidents	1:45	1:21	1:31	2:10	1:38	0:48	0:34	1:41





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
2115	328	6	2:40

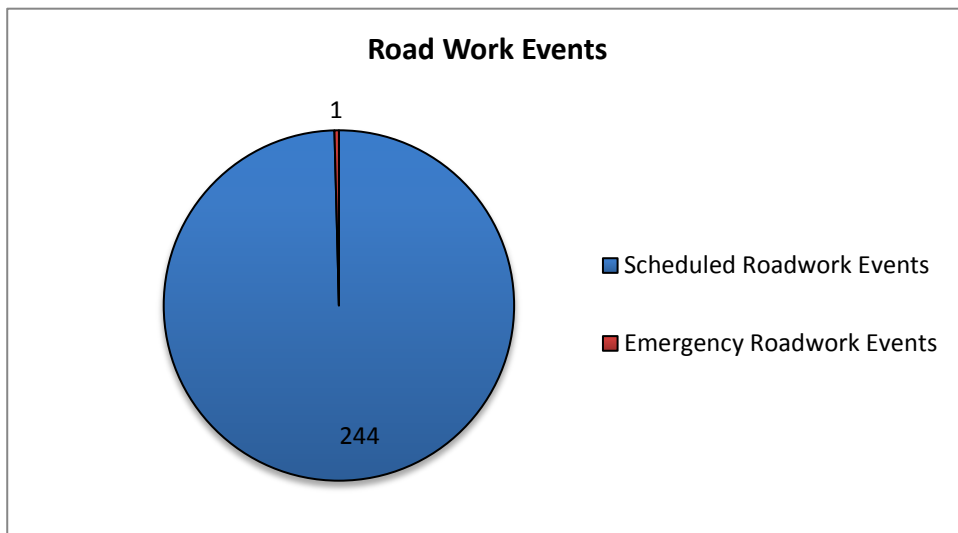
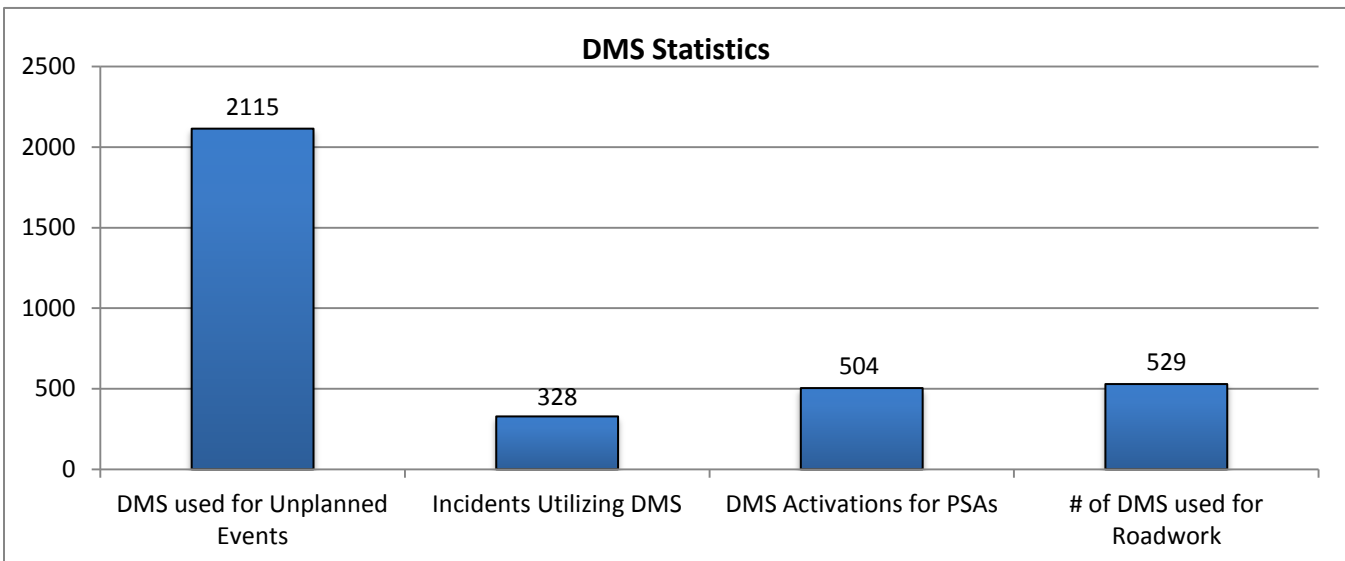
13. PSA - DMS Activations:

Number of Public Service Announcement DMS Activations
504

14. Road Work - DMS Statistics:

Scheduled Road Work	Emergency Road Work	Total # Road Work Patterns
244	1	245
# DMS Used for Road Work		Average # of DMS/Pattern
529		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	3	Mile <49	0
Mile 49-79.9	142	Mile 49-79.9	264
Mile 80-100.9	214	Mile 80-100.9	188
Mile 101-104.9	28	Mile 101-104.9	27
Mile 105-106.9	26	Mile 105-106.9	49
Mile 107-110.9	63	Mile 107-110.9	60
Mile 111-115.9	16	Mile 111-115.9	46
Mile 116-122.9	166	Mile 116-122.9	158
Mile 123-127.9	147	Mile 123-127.9	87
Mile 128-130.9	57	Mile 128-130.9	64
Mile 131-135.9	86	Mile 131-135.9	81
Mile 136 -137.9	29	Mile 136 -137.9	14
Mile 138 -138.9	32	Mile 138 -138.9	18
Mile 139 - 140.9	98	Mile 139 - 140.9	18
Mile 141 - 142.9	26	Mile 141 - 142.9	22
Mile 143 - 157.9	136	Mile 143 - 157.9	114
Mile 158 - 160.9	30	Mile 158 - 160.9	20
Mile 161 - 163.9	37	Mile 161 - 163.9	29
Mile 164 - 166.9	27	Mile 164 - 166.9	27
Mile 167 -169.9	11	Mile 167 -169.9	15
Mile 170 - 178.9	40	Mile 170 - 178.9	40
Mile 179 - 181.9	30	Mile 179 - 181.9	21
Mile 182 - 190.9	106	Mile 182 - 190.9	94
Mile 191 - 192.9	32	Mile 191 - 192.9	30
Mile 193 - 194.9	34	Mile 193 - 194.9	12
Mile 195 -199.9	60	Mile 195 -199.9	55
Mile 200 - 204.9	80	Mile 200 - 204.9	71
Mile 205 - 206.9	50	Mile 205 - 206.9	30
Mile 207 - 209.9	42	Mile 207 - 209.9	42
Mile 210 -212.9	83	Mile 210 -212.9	41
Mile 213 - 216.9	122	Mile 213 - 216.9	117
Mile 217 - 219.9	70	Mile 217 - 219.9	58
Mile 220 - 223.9	90	Mile 220 - 223.9	66
Mile 224 -227.9	70	Mile 224 -227.9	62
Mile 228 - 228.9	23	Mile 228 - 228.9	17
Mile 229 -229.9	3	Mile 229 -229.9	3
Mile 230 - 239.9	3	Mile 230 - 239.9	4
> Mile 240	0	> Mile 240	0
North Total	2312	South Total	2064

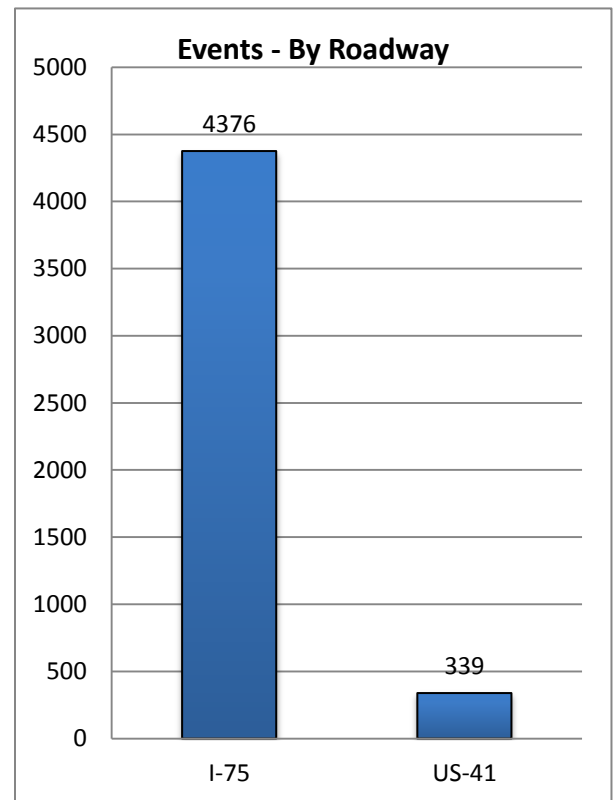
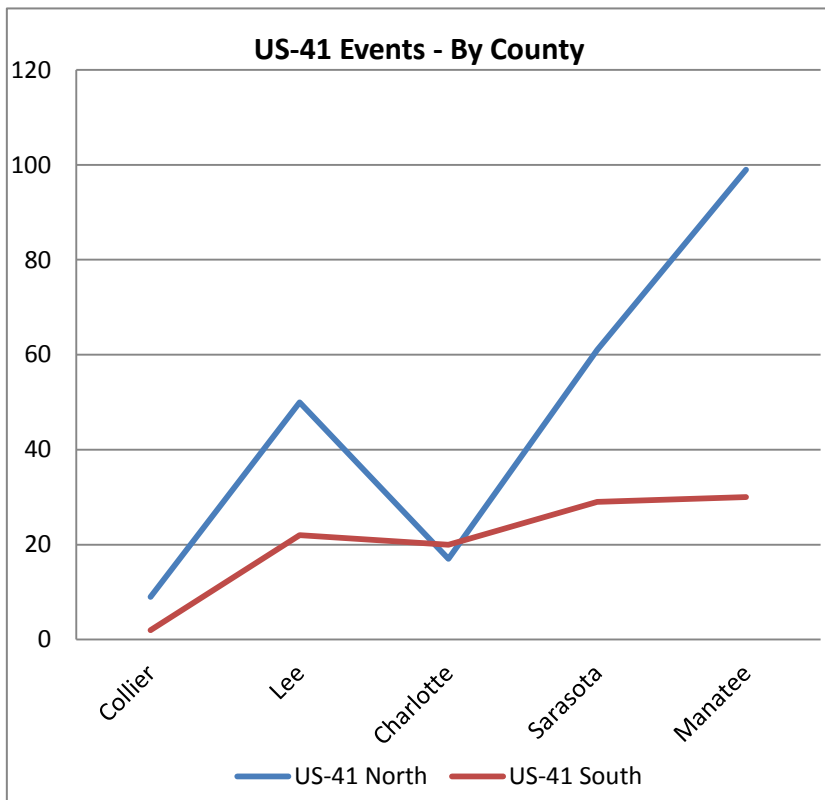
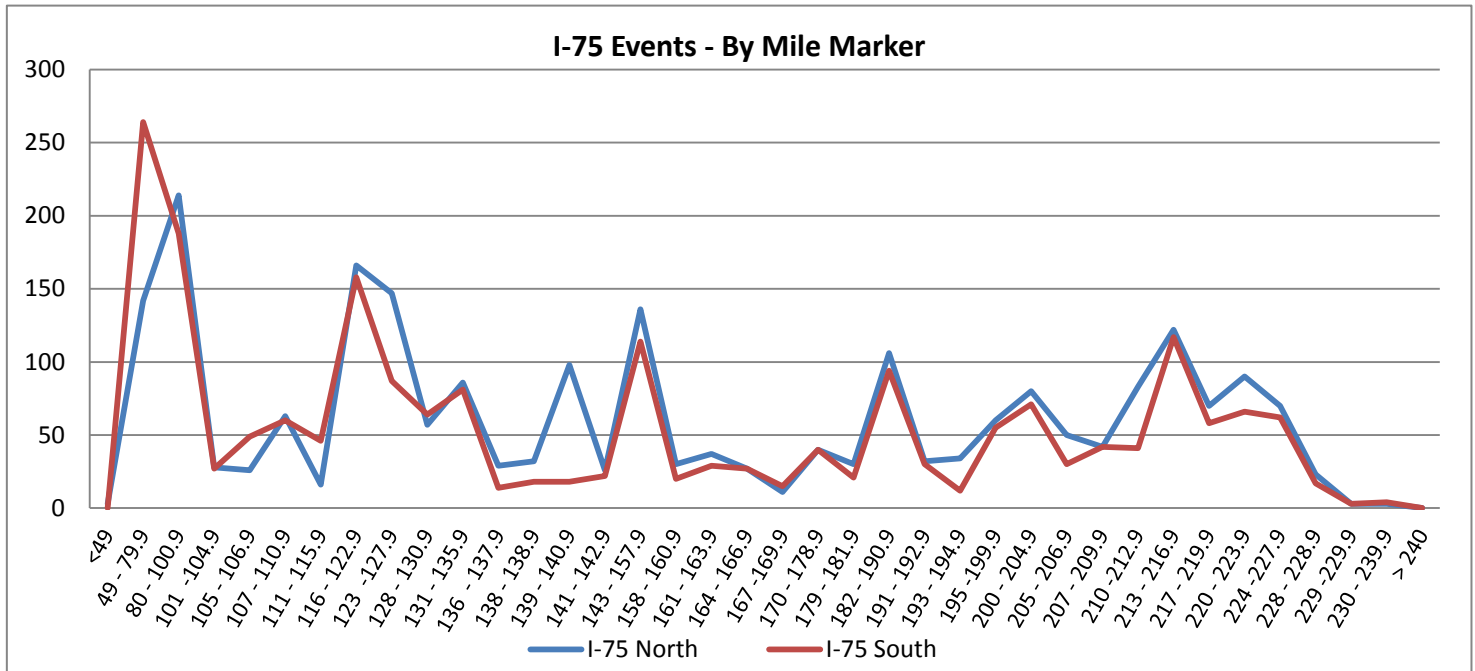
US-41 Northbound	
Collier	9
Lee	50
Charlotte	17
Sarasota	61
Manatee	99
North Total	236

US-41 Southbound	
Collier	2
Lee	22
Charlotte	20
Sarasota	29
Manatee	30
South Total	103

Total Events on US-41
339

Total Events on I-75
4376

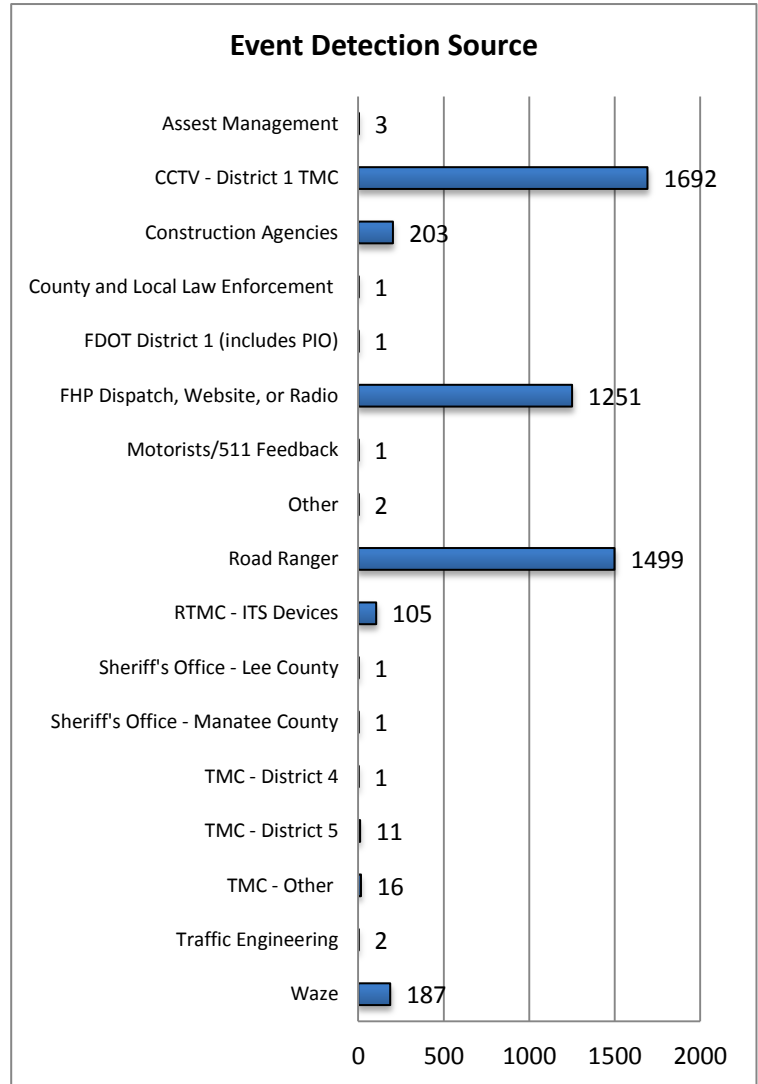
Note: The charts for these tables appear on the following page.





16. Event Detection Source:

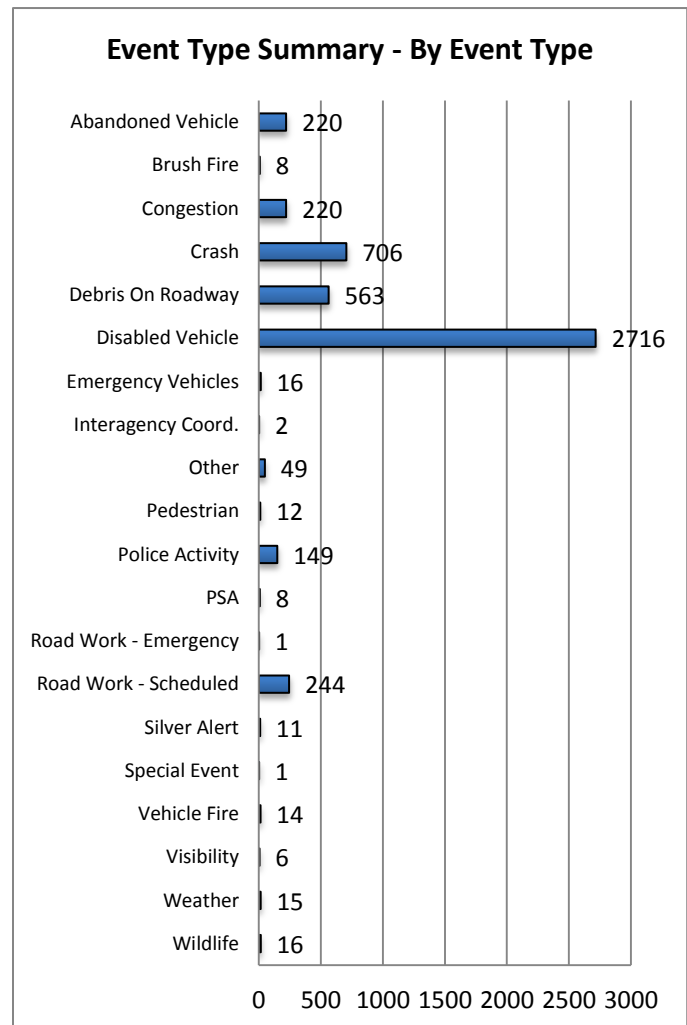
Assest Management (includes Dbi & ICA)	3	0.1%
CCTV - District 1 TMC	1692	34.0%
CCTV - Other	0	0.0%
Construction Agencies	203	4.1%
County and Local Law Enforcement	1	0.0%
Emergency Operations Centers	0	0.0%
Emergency Responders	0	0.0%
FDOT District 1 ITS Managers	0	0.0%
FDOT District 1 (includes PIO)	1	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1251	25.1%
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	1	0.0%
Other	2	0.0%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1499	30.1%
RTMC - ITS Devices (TSS & Safety Barrier)	105	2.1%
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	1	0.0%
TMC - District 5	11	0.2%
TMC - District 7	0	0.0%
TMC - Other	16	0.3%
Tow Truck Companies	0	0.0%
Traffic Engineering	2	0.0%
Waze	187	3.8%
Total Number of Incidents	4977	100.0%



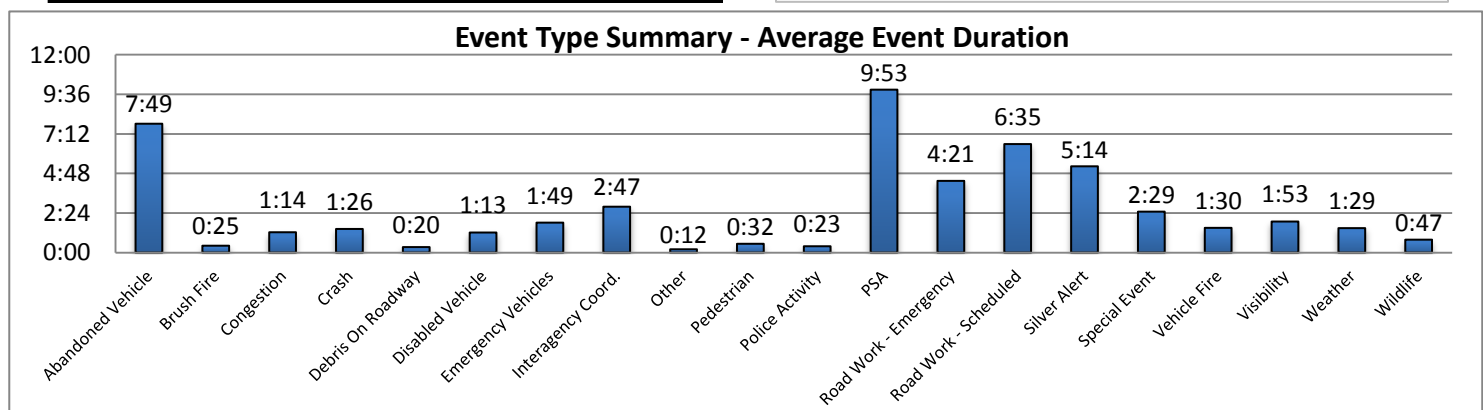
Note: Event Detection Source Categories listed as zero are not included in the above chart.



17. Event Type Summary			
Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	220	2:17	7:49
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	8	0:13	0:25
Congestion	220	0:00	1:14
Crash	706	1:05	1:26
Debris On Roadway	563	0:13	0:20
Disabled Vehicle	2716	0:23	1:13
Emergency Vehicles	16	1:44	1:49
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	2	0:25	2:47
LEO Alert	0	0:00	0:00
Other	49	0:04	0:12
Pedestrian	12	0:08	0:32
Police Activity	149	0:17	0:23
PSA	8	0:00	9:53
Road Work - Emergency	1	0:00	4:21
Road Work - Scheduled	244	0:09	6:35
Silver Alert	11	0:00	5:14
Special Event	1	0:00	2:29
Vehicle Fire	14	1:25	1:30
Visibility	6	0:00	1:53
Weather	15	0:00	1:29
Wildlife	16	0:24	0:47
Total Events	4977	0:40	2:37



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 &
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

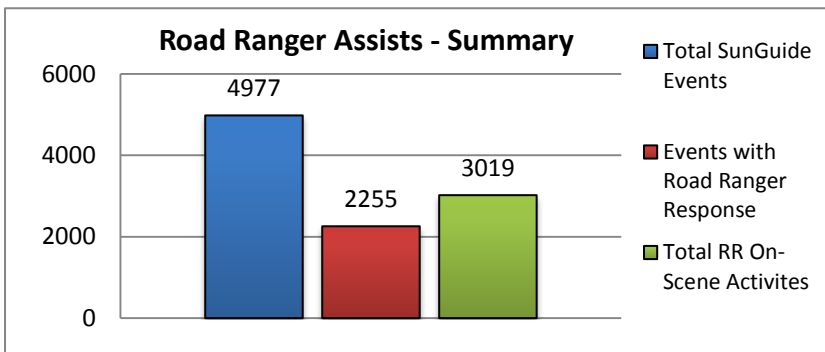
Saturday Road Rangers			
RR104	MM 49-80	RR111	MM 167-193
RR103	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

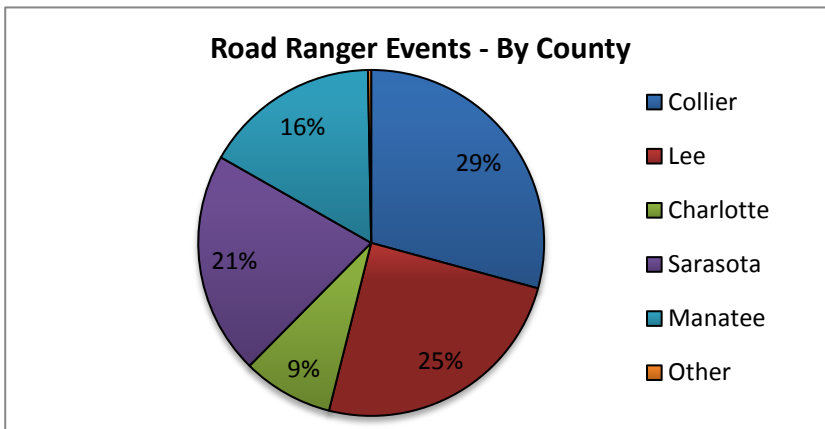
Sunday Road Rangers			
RR103	MM 49-80	RR111	MM 167-193
RR104	MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	I-275 MM 0-13

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

18. Road Ranger Assists Summary	
Total SunGuide Events	4977
Events with Road Ranger Response	2255
Total RR On-Scene Activities	3019
Average Activities/Assisted Event	1.34
% of Events Assisted	45.31%



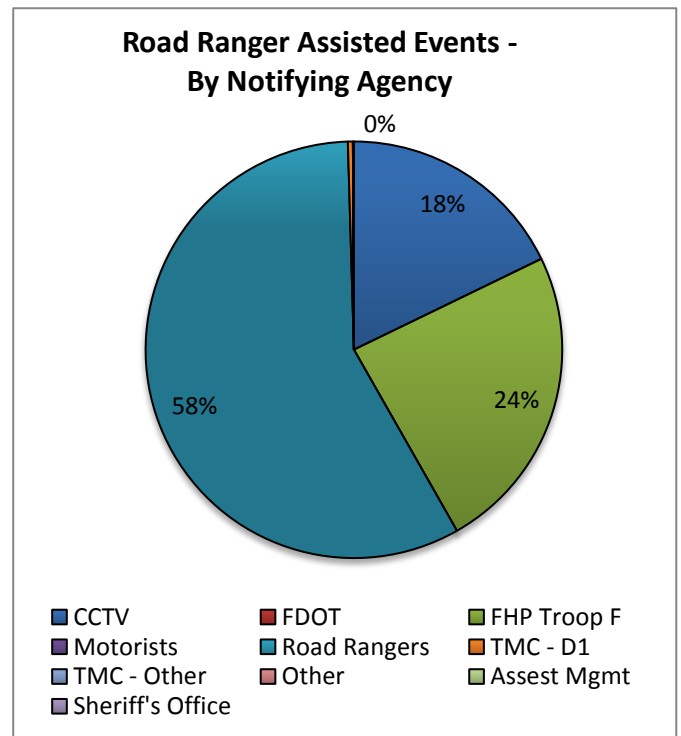
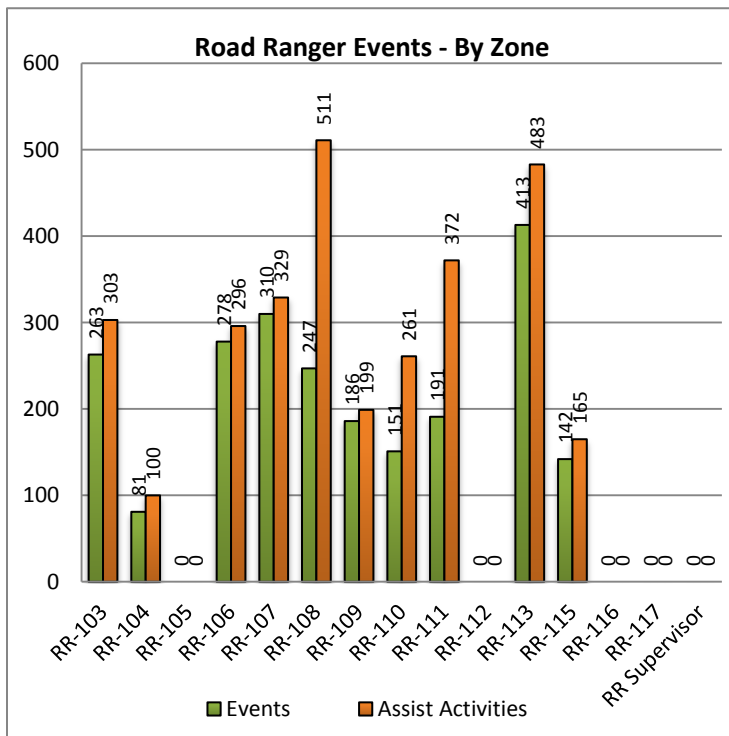
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	778
Lee	657
Charlotte	226
Sarasota	554
Manatee	438
Other	8
Totals	2661





20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	263	303
RR-104	81	100
RR-105	0	0
RR-106	278	296
RR-107	310	329
RR-108	247	511
RR-109	186	199
RR-110	151	261
RR-111	191	372
RR-112	0	0
RR-113	413	483
RR-115	142	165
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2262	3019

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	462	17.4%
FDOT	0	0.0%
FHP Troop F	621	23.3%
Motorists	0	0.0%
Road Rangers	1498	56.3%
TMC - D1	10	0.4%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	2	0.1%
Sheriff's Office	0	0.0%
Waze	68	2.6%
Totals	2661	100.0%

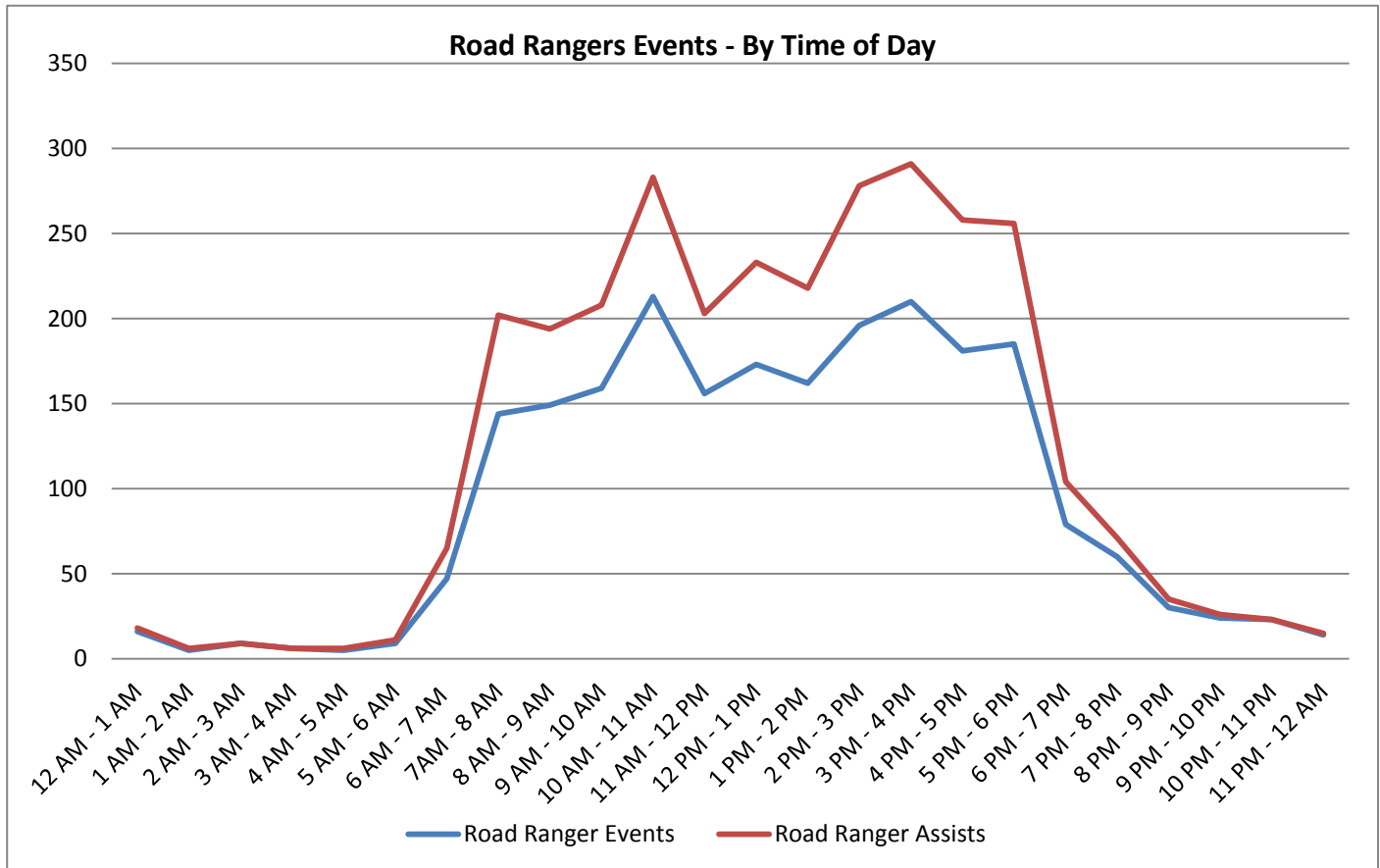




**22. Road Ranger Assisted Events -
By Time of Day:**

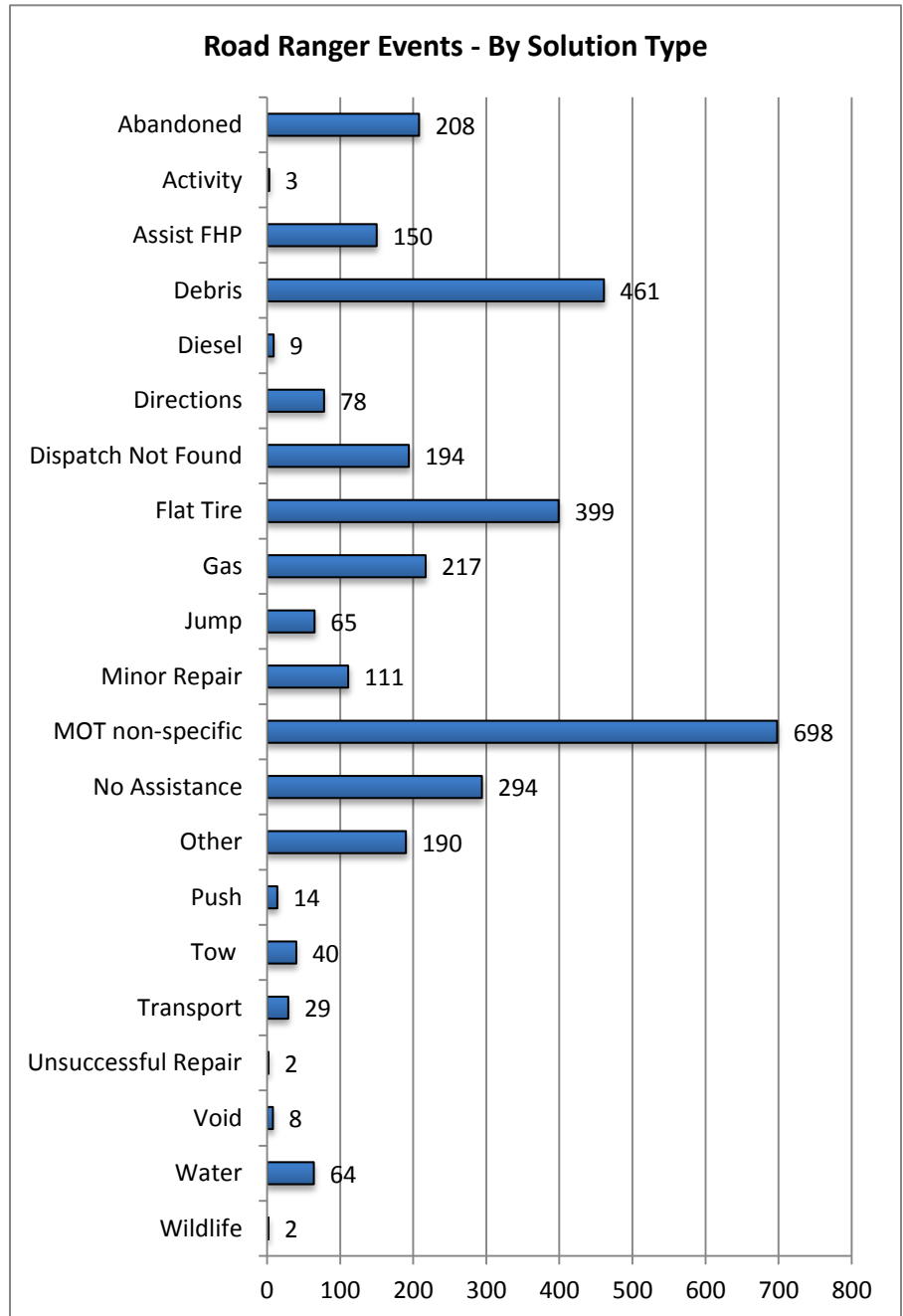
Time of Day	RR Events	RR Assists
12 AM - 1 AM	16	18
1 AM - 2 AM	5	6
2 AM - 3 AM	9	9
3 AM - 4 AM	6	6
4 AM - 5 AM	5	6
5 AM - 6 AM	9	11
6 AM - 7 AM	47	65
7 AM - 8 AM	144	202
8 AM - 9 AM	149	194
9 AM - 10 AM	159	208
10 AM - 11 AM	213	283
11 AM - 12 PM	156	203

Time of Day	RR Events	RR Assists
12 PM - 1 PM	173	233
1 PM - 2 PM	162	218
2 PM - 3 PM	196	278
3 PM - 4 PM	210	291
4 PM - 5 PM	181	258
5 PM - 6 PM	185	256
6 PM - 7 PM	79	104
7 PM - 8 PM	60	71
8 PM - 9 PM	30	35
9 PM - 10 PM	24	26
10 PM - 11 PM	23	23
11 PM - 12 AM	14	15
Totals	2255	3019





23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	176
Absorbant	0
Activity	6
Assist FHP	99
Bleach	0
Cold Patch Asphalt	0
Debris	464
Deploy Cones	1
Diesel	10
Directions	31
Dispatch Not Found	158
Flare	0
Flat Tire	419
Flood Lamp	0
Gas	227
Jump	56
Livestock	0
Lockout	0
Minor Repair	89
Miscellaneous	2
MOT non-specific	652
No Assistance	325
Oil	0
Other	165
Phone	0
Portland Cement	0
Push	12
Radio	0
Tow	26
Translate	0
Transmission Fluid	0
Transport	9
Turbo Flare	0
Unsuccessful Repair	1
Void	2
Water	89
Wildlife	0
Total Assist Activities	3019



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