This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for June 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:
5156

Total Number of SunGuide and Lane Blocking Events

2. Number of Lane Blocking Events:
547

3. Number of RISC Events:
3

Number of RISC, ESS, and Saftey Barrier Events

4. Number of ESS Events:
188

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	0:51
Average Incident Duration From First Responder Notified to Travel Lane Open	1:04
Average Incident Duration From First Responder Notified to Normal Traffic	1:28

Average Event Times

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	5156
Number of Lane Blocking Events	547
Number of Secondary Incidents	107
Average Blockage Duration	3:23
Average Event Duration	3:50
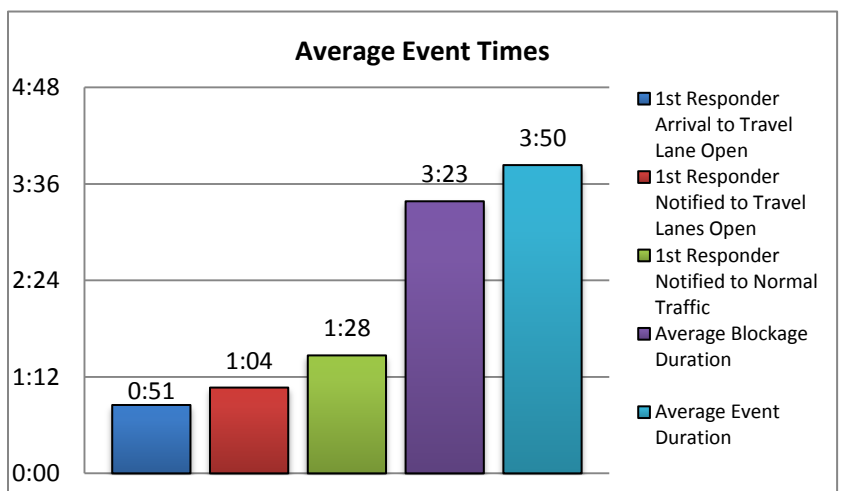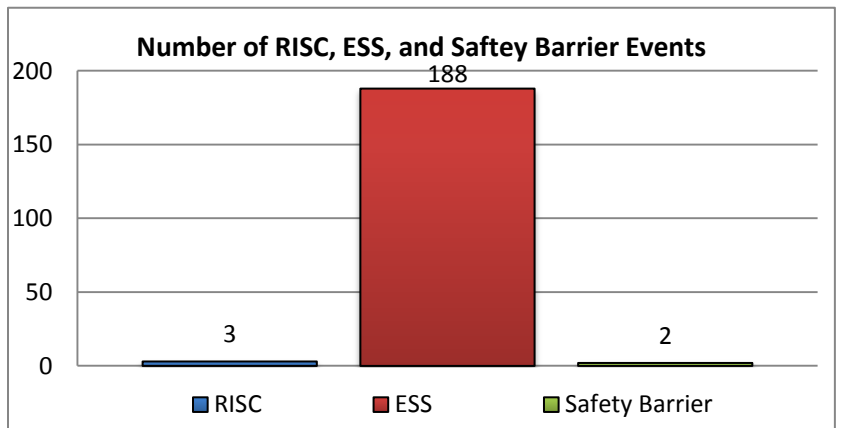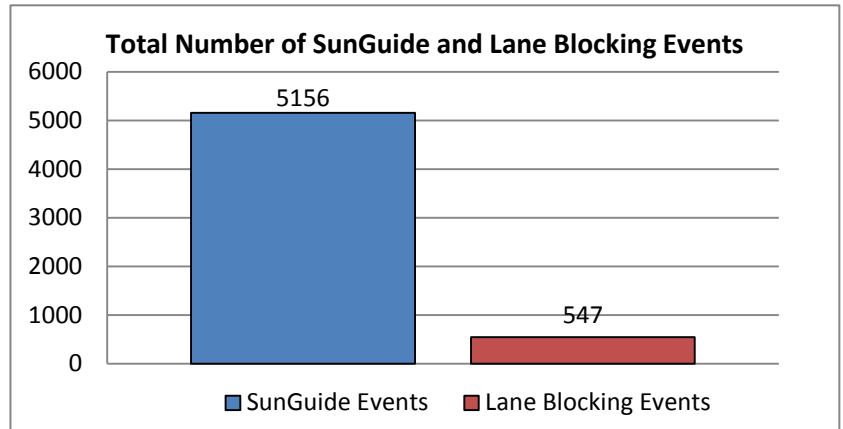
Note: Table 6 includes lane blocking incidents for I-75 and only includes Crash, Debris on Roadway, Disabled Vehicles, Emergency Vehicles, Flooding, Other, Pedestrian, Police Activity, and Vehicle Fire Events.

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	107	46	36	114	80	-
US-41	6	27	15	26	18	-
I-275	-	-	-	-	0	-
Arterials	3	17	1	40	7	3
Total Incidents	116	90	52	180	105	3

Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	1	-	384
US-41	0	0	-	-	92
I-275	0	-	-	-	0
Arterials	0	0	0	0	71
Total Incidents	0	0	1	0	547

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

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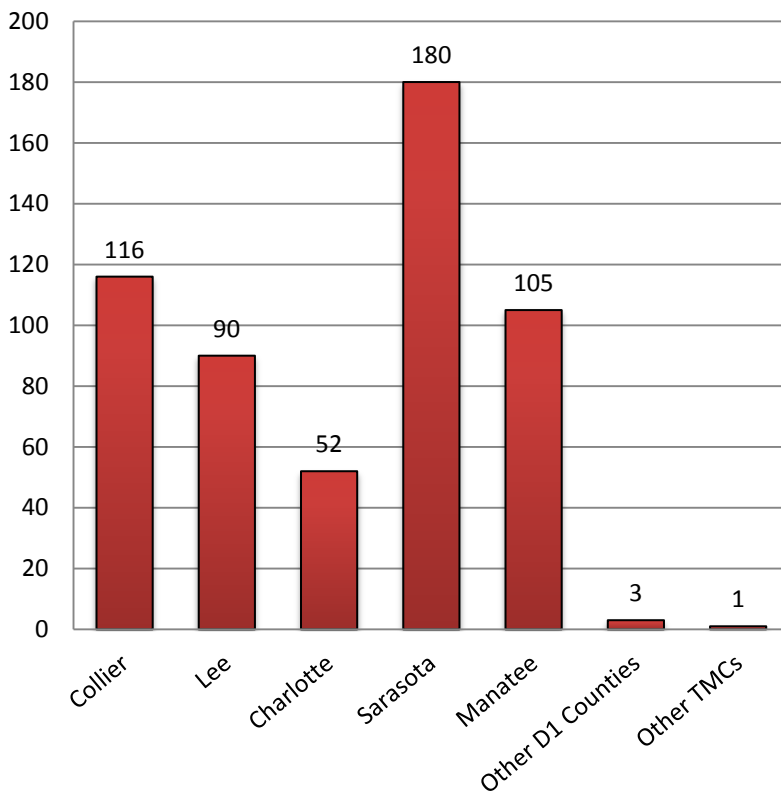
Lane Blocking Incidents - By Roadway
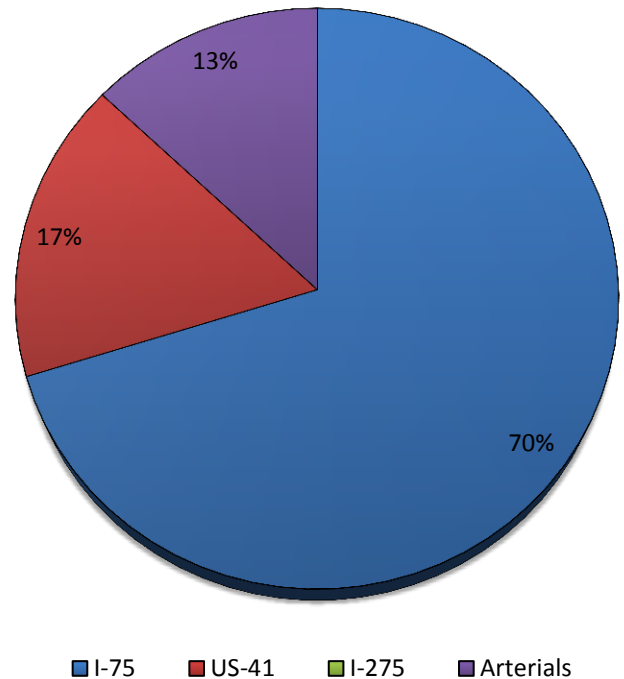
9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	15	0:13	1:01	34	0:13	0:56	21	0:15	1:11	49	0:12	1:07
Level 2	10	1:12	1:29	26	1:08	1:33	4	1:06	1:28	41	1:03	1:31
Level 3	7	0:48	1:36	16	2:19	2:25	8	1:42	2:34	14	2:11	3:02
Other*	84*	6:49	6:57	14*	5:00	5:05	19*	7:54	8:00	76*	7:35	7:48
Totals	32	0:39	1:17	76	0:58	1:27	33	0:42	1:33	104	0:48	1:31

	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	27	0:11	1:13	0	0:00	0:00	0	0:00	0:00	146	0:12	1:05
Level 2	27	1:03	1:39	0	0:00	0:00	0	0:00	0:00	108	1:05	1:33
Level 3	14	2:01	2:29	3	8:52	9:08	1	0:34	0:36	63	2:15	2:47
Other*	37*	5:38	5:42	0*	0:00	0:00	0*	0:00	0:00	230*	6:51	7:00
Totals	68	0:54	1:38	3	8:52	9:08	1	0:34	0:36	317	0:54	1:35

*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
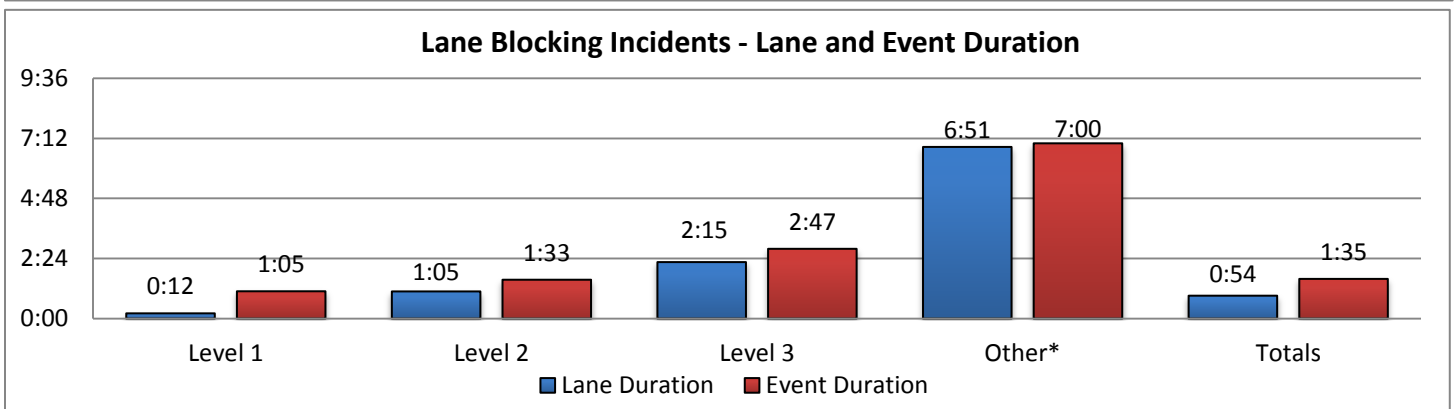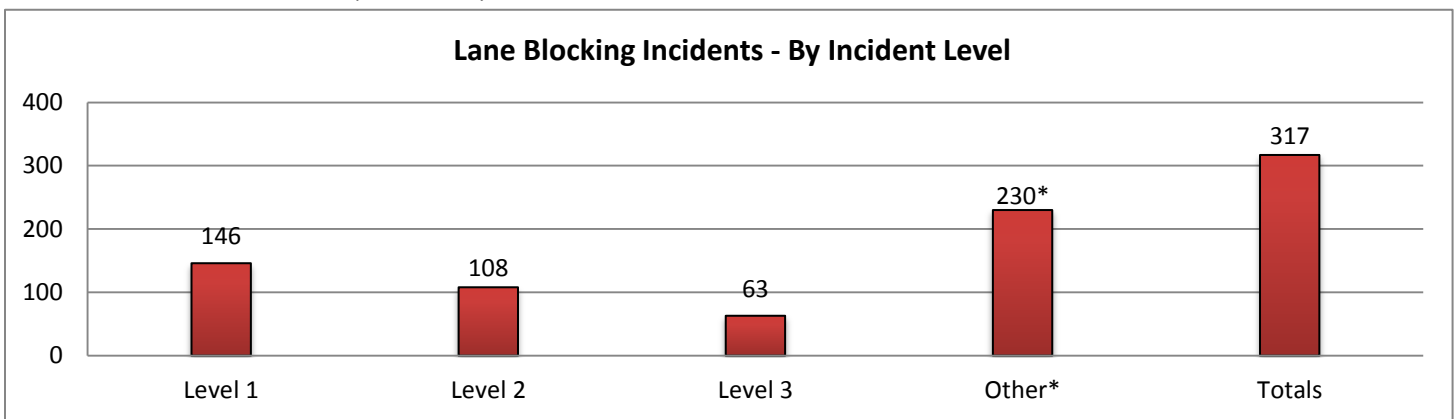
10. SunGuide Events - by Event Type:

Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	33	59	22	87	31	0	0	232
Amber Alerts	0	1	0	0	0	0	0	1
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	1	0	0	0	0	0	0	1
Congestion	7	22	4	55	63	0	0	151
Crash	65	224	66	282	238	4	0	879
Debris	86	141	69	176	182	0	0	654
Disabled Vehicle	812	690	192	513	377	0	5	2589
Emergency Vehicles	2	6	0	4	3	0	0	15
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	3	0	0	0	3
Interagency Coord.	0	0	0	0	1	0	1	2
LEO Alerts	0	0	0	0	0	0	0	0
Other	8	20	2	11	4	2	0	47
Pedestrian	2	3	2	3	7	0	0	17
Police Activity	67	51	9	19	9	0	0	155
PSA	0	0	0	0	0	0	0	0
Road Work - Emergency	2	1	0	0	1	0	0	4
Road Work - Scheduled	85	16	19	72	37	1	0	230
Silver Alert	0	26	0	0	0	1	0	27
Special Events	0	0	0	1	0	0	0	1
Vehicle Fire	4	5	0	5	2	0	0	16
Visibility	4	2	2	3	0	0	0	11
Weather	25	19	15	26	20	0	0	105
Wildlife	9	1	1	4	1	0	0	16
Total Incidents	1212	1287	403	1264	976	8	6	5156

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

SunGuide Events - By Event Type
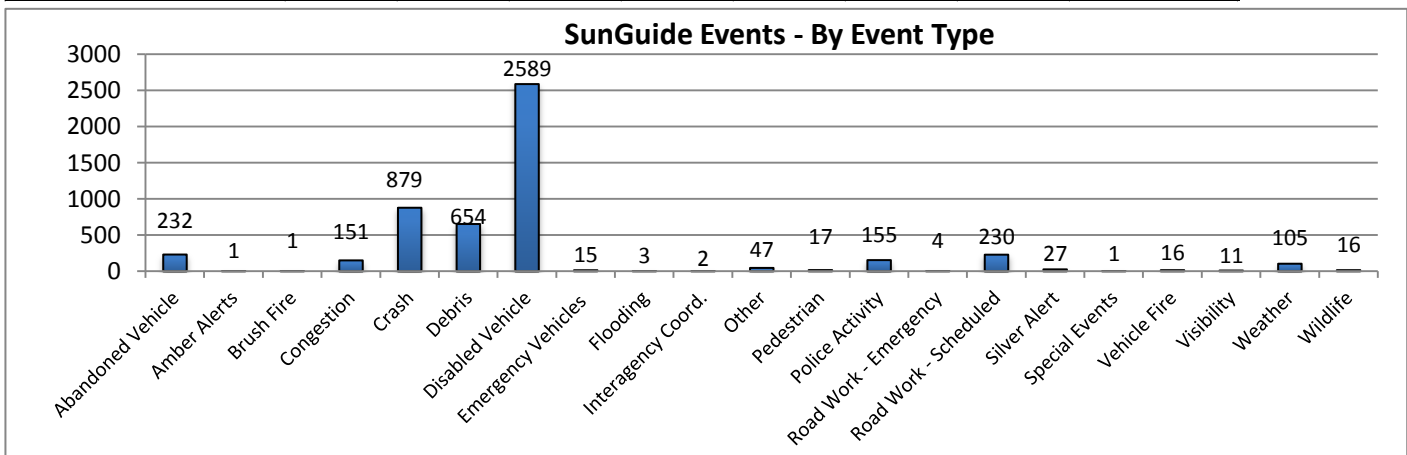
| 11. SunGuide Event Duration (Average) - by Event Type:								
Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	All Counties
Abandoned Vehicle	0:14	9:58	9:08	11:00	13:32	0:00	0:00	9:22
Amber Alerts	0:00	6:02	0:00	0:00	0:00	0:00	0:00	6:02
Bridge Work	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Brush Fire	0:14	0:00	0:00	0:00	0:00	0:00	0:00	0:14
Congestion	0:54	0:53	1:44	1:29	0:53	0:00	0:00	1:07
Crash	1:09	1:11	1:21	1:13	1:31	2:27	0:00	1:18
Debris	0:16	0:19	0:16	0:25	0:14	0:00	0:00	0:18
Disabled Vehicle	1:08	0:57	1:09	1:40	1:40	0:00	0:06	1:16
Emergency Vehicles	0:57	0:53	0:00	0:31	0:21	0:00	0:00	0:41
Evacuation	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Flooding	0:00	0:00	0:00	1:47	0:00	0:00	0:00	1:47
Interagency Coord.	0:00	0:00	0:00	0:00	24:46	0:00	0:36	12:41
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:48	0:09	0:05	0:11	0:23	0:08	0:00	0:17
Pedestrian	0:35	1:13	0:23	0:18	0:29	0:00	0:00	0:34
Police Activity	0:24	0:17	0:22	0:37	0:31	0:00	0:00	0:23
PSA	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Emergency	2:11	1:08	0:00	0:00	2:29	0:00	0:00	1:59
Road Work - Scheduled	6:56	4:31	8:00	8:10	5:42	5:25	0:00	7:02
Silver Alert	0:00	4:31	0:00	0:00	0:00	0:12	0:00	4:21
Special Events	0:00	0:00	0:00	0:20	0:00	0:00	0:00	0:20
Vehicle Fire	1:46	0:54	0:00	2:16	3:20	0:00	0:00	1:50
Visibility	2:22	3:43	1:59	2:00	0:00	0:00	0:00	2:26
Weather	2:15	3:41	3:08	2:12	2:23	0:00	0:00	2:38
Wildlife	0:57	1:35	0:23	0:56	0:25	0:00	0:00	0:55
Total Incidents	1:26	1:27	1:50	2:22	1:51	1:58	0:11	1:46

SunGuide Event Duration - By County
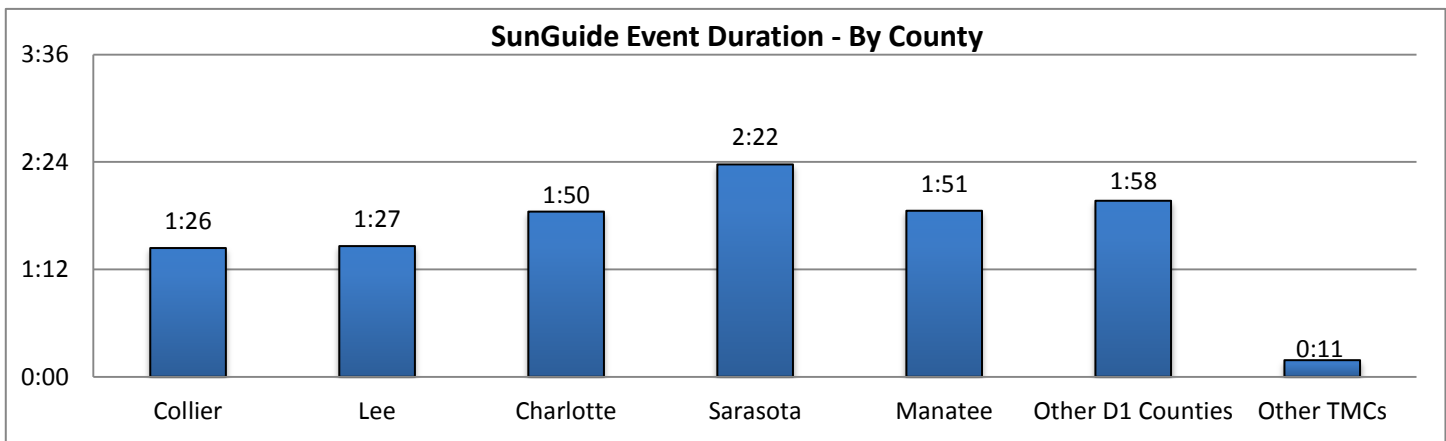
12. Event DMS Statistics:			
Number of DMS Used for Unplanned Events*:	Number of Incidents Utilizing DMS	Average Number of DMS per Incident	Average DMS Message Duration
3268	378	9	2:51

13. PSA - DMS Activations:
Number of Public Service Announcement DMS Activations
332

* 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
230	4	234
# DMS Used for Road Work	Average # of DMS/Pattern	
494	2	

DMS Statistics

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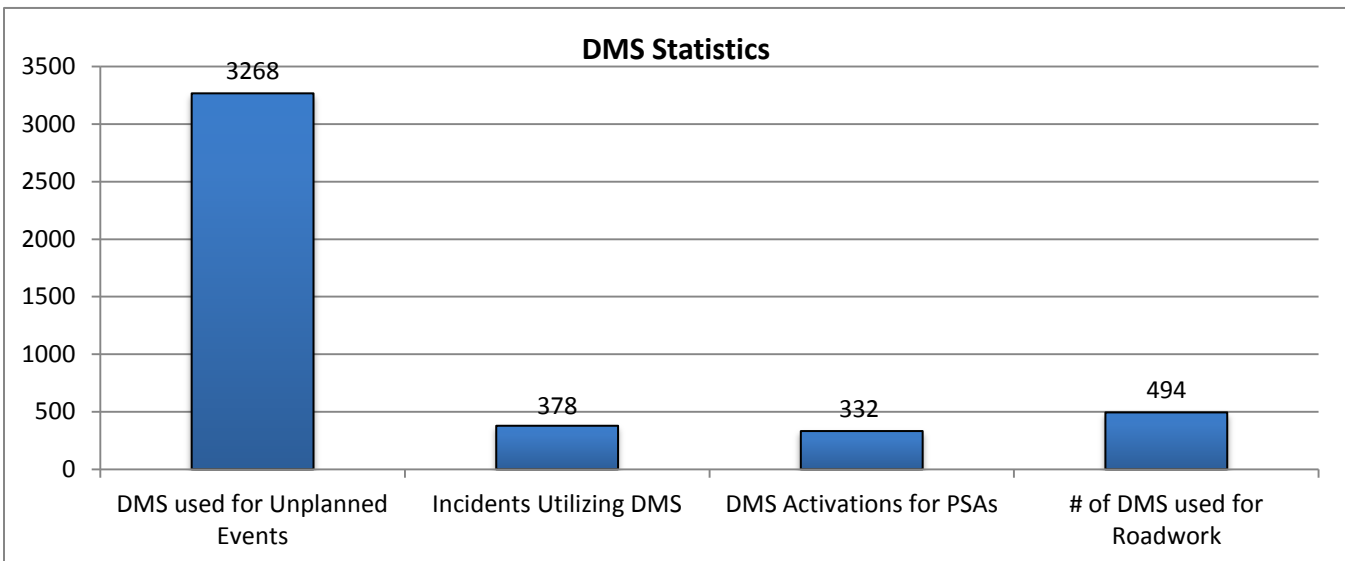
15. Event Location - Summary By Exit Reference:

I-75 Northbound		I-75 Southbound		US-41 Northbound	
Mile <49	2	Mile <49	0	Collier	6
Mile 49-79.9	198	Mile 49-79.9	238	Lee	78
Mile 80-100.9	228	Mile 80-100.9	162	Charlotte	15
Mile 101-104.9	36	Mile 101-104.9	30	Sarasota	96
Mile 105-106.9	35	Mile 105-106.9	43	Manatee	103
Mile 107-110.9	61	Mile 107-110.9	61	North Total	298
Mile 111-115.9	56	Mile 111-115.9	55		
Mile 116-122.9	126	Mile 116-122.9	116		
Mile 123-127.9	108	Mile 123-127.9	100	US-41 Southbound	
Mile 128-130.9	48	Mile 128-130.9	64	Collier	3
Mile 131-135.9	92	Mile 131-135.9	69	Lee	19
Mile 136 -137.9	27	Mile 136 -137.9	18	Charlotte	5
Mile 138 -138.9	28	Mile 138 -138.9	24	Sarasota	18
Mile 139 - 140.9	81	Mile 139 - 140.9	20	Manatee	32
Mile 141 - 142.9	43	Mile 141 - 142.9	33	South Total	77
Mile 143 - 157.9	148	Mile 143 - 157.9	109		
Mile 158 - 160.9	38	Mile 158 - 160.9	26		
Mile 161 - 163.9	34	Mile 161 - 163.9	30		
Mile 164 - 166.9	23	Mile 164 - 166.9	23	Total Events on US-41	
Mile 167 -169.9	22	Mile 167 -169.9	30	375	
Mile 170 - 178.9	66	Mile 170 - 178.9	71		
Mile 179 - 181.9	32	Mile 179 - 181.9	14		
Mile 182 - 190.9	110	Mile 182 - 190.9	86	Total Events on I-75	
Mile 191 - 192.9	29	Mile 191 - 192.9	38	4565	
Mile 193 - 194.9	29	Mile 193 - 194.9	37		
Mile 195 -199.9	62	Mile 195 -199.9	48		
Mile 200 - 204.9	74	Mile 200 - 204.9	79		
Mile 205 - 206.9	59	Mile 205 - 206.9	38	Note: The charts for these tables appear on the following page.	
Mile 207 - 209.9	44	Mile 207 - 209.9	43		
Mile 210 -212.9	115	Mile 210 -212.9	67		
Mile 213 - 216.9	122	Mile 213 - 216.9	85		
Mile 217 - 219.9	92	Mile 217 - 219.9	87		
Mile 220 - 223.9	109	Mile 220 - 223.9	59		
Mile 224 -227.9	65	Mile 224 -227.9	65		
Mile 228 - 228.9	24	Mile 228 - 228.9	23		
Mile 229 -229.9	3	Mile 229 -229.9	2		
Mile 230 - 239.9	2	Mile 230 - 239.9	1		
> Mile 240	0	> Mile 240	0		
North Total	2471	South Total	2094		

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: 4565
US-41: 375

16. Event Detection Source:

Source	Count	%
Assest Management (includes Dbi & ICA)	5	0.1%
CCTV - District 1 TMC	1603	31.1%
CCTV - Other	0	0.0%
Construction Agencies	175	3.4%
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)	3	0.1%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1606	31.1%
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	4	0.1%
Other	5	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1440	27.9%
RTMC - ITS Devices (TSS & Safety Barrier)	89	1.7%
RTMC Scanner	0	0.0%
RTMC Staff (On Scene)	0	0.0%
Sheriff'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	0	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	27	0.5%
TMC - District 7	0	0.0%
TMC - Other	6	0.1%
Tow Truck Companies	0	0.0%
Traffic Engineering	6	0.1%
Waze	185	3.6%
Total Number of Incidents	5156	100.0%

Event Detection Source

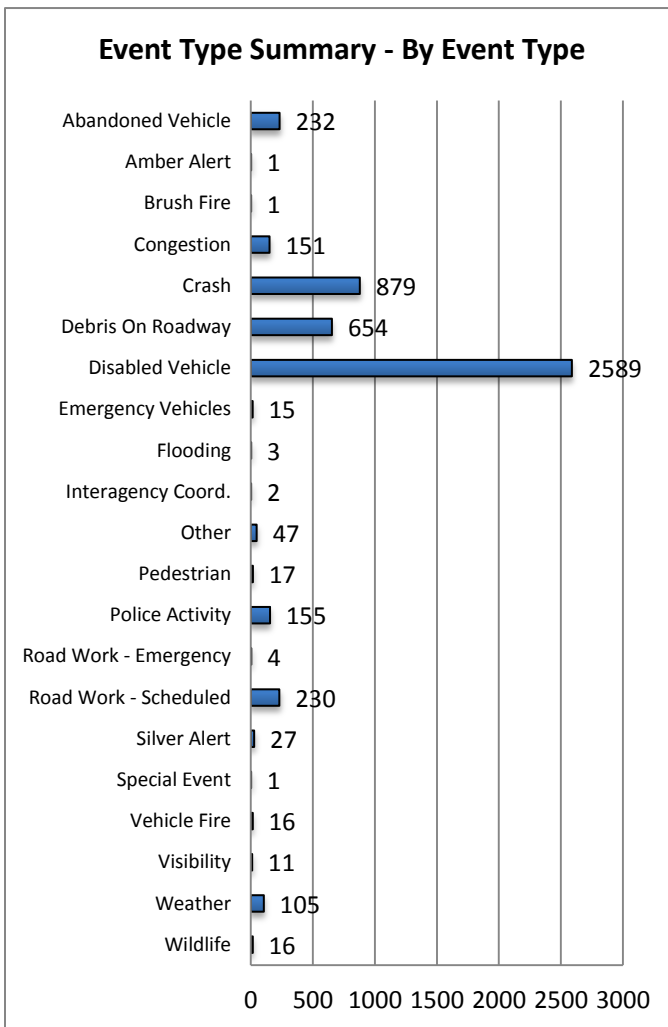| Source	Value
Assest Management	5
CCTV - District 1 TMC	1603
Construction Agencies	175
FDOT District 1 (includes PIO)	3
FHP Dispatch, Website, or Radio	1606
Motorists/511 Feedback	4
Other	5
Road Ranger	1440
RTMC - ITS Devices	89
Sheriff's Office - Lee County	1
TMC - District 4	1
TMC - District 5	27
TMC - Other	6
Traffic Engineering	6
Waze	185
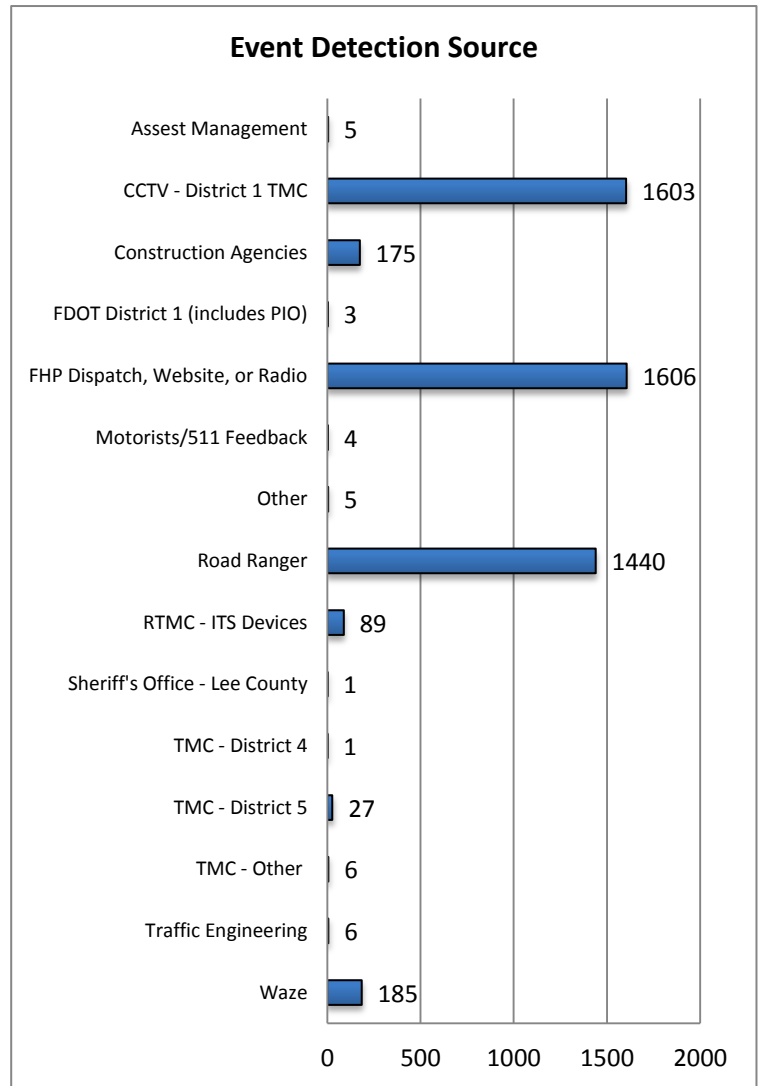
Note: Event Detection Source Categories listed as zero are not included in the above chart.

17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	232	3:08	10:45
Amber Alert	1	0:00	6:02
Bridge Work	0	0:00	0:00
Brush Fire	1	0:13	0:14
Congestion	151	0:00	6:02
Crash	879	0:58	1:18
Debris On Roadway	654	0:11	0:18
Disabled Vehicle	2589	0:23	1:16
Emergency Vehicles	15	0:40	0:41
Evacuation	0	0:00	0:00
Flooding	3	0:43	1:47
Interagency Coord.	2	0:30	12:41
LEO Alert	0	0:00	0:00
Other	47	0:05	0:17
Pedestrian	17	0:04	0:35
Police Activity	155	0:17	0:24
PSA	0	0:00	0:00
Road Work - Emergency	4	0:17	1:59
Road Work - Scheduled	230	0:08	7:02
Silver Alert	27	0:00	4:22
Special Event	1	0:00	0:20
Vehicle Fire	16	1:20	1:51
Visibility	11	0:21	2:26
Weather	105	0:08	2:39
Wildlife	16	0:37	0:55
Total Events	5156	0:35	3:02

Event Type Summary - By Event Type

Event Type	Value
Abandoned Vehicle	232
Amber Alert	1
Brush Fire	1
Congestion	151
Crash	879
Debris On Roadway	654
Disabled Vehicle	2589
Emergency Vehicles	15
Flooding	3
Interagency Coord.	2
Other	47
Pedestrian	17
Police Activity	155
Road Work - Emergency	4
Road Work - Scheduled	230
Silver Alert	27
Special Event	1
Vehicle Fire	16
Visibility	11
Weather	105
Wildlife	16

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

Event Type Summary - Average Event Duration

Event Type	Duration
Abandoned Vehicle	10:45
Amber Alert	6:02
Brush Fire	0:14
Congestion	6:02
Crash	1:18
Debris On Roadway	0:18
Disabled Vehicle	1:16
Emergency Vehicles	0:41
Flooding	1:47
Interagency Coord.	12:41
Other	0:17
Pedestrian	0:35
Police Activity	0:24
Road Work - Emergency	1:59
Road Work - Scheduled	7:02
Silver Alert	4:22
Special Event	0:20
Vehicle Fire	1:51
Visibility	2:26
Weather	2:39
Wildlife	0:55

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	5156
Events with Road Ranger Response	2222
Total RR On-Scene Activites	2758
Average Activities/Assisted Event	1.24
% of Events Assisted	43.10%

Road Ranger Assists - Summary
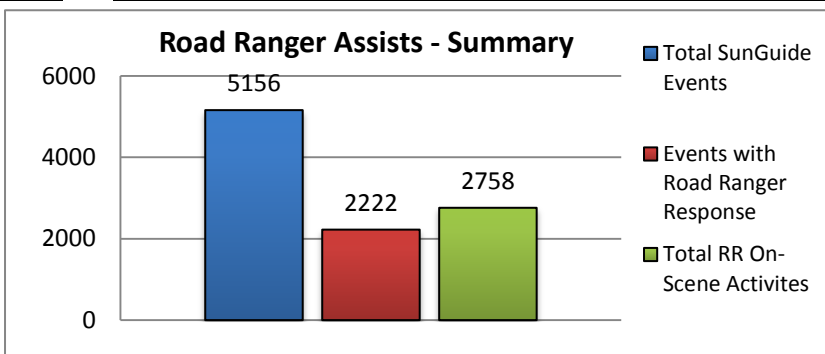
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	765
Lee	593
Charlotte	269
Sarasota	630
Manatee	483
Other	5
Totals	2745

Road Ranger Events - By County
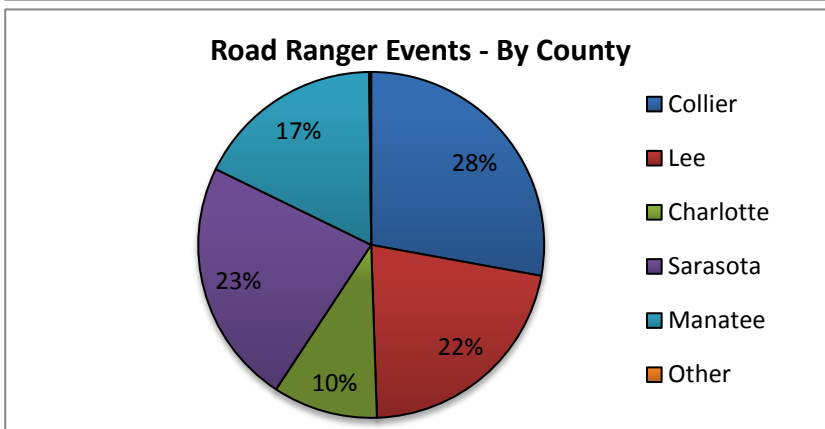
20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	147	180
RR-104	203	247
RR-105	0	0
RR-106	217	256
RR-107	297	320
RR-108	346	491
RR-109	231	250
RR-110	79	81
RR-111	166	325
RR-112	0	0
RR-113	445	502
RR-115	99	106
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2230	2758

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	453	16.5%
FDOT	2	0.1%
FHP Troop F	768	28.0%
Motorists	4	0.1%
Road Rangers	1439	52.4%
TMC - D1	4	0.1%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	1	0.0%
Sheriff's Office	0	0.0%
Waze	74	2.7%
Totals	2745	100.0%

Road Ranger Events - By Zone

Road Ranger Assisted Events - By Notifying Agency
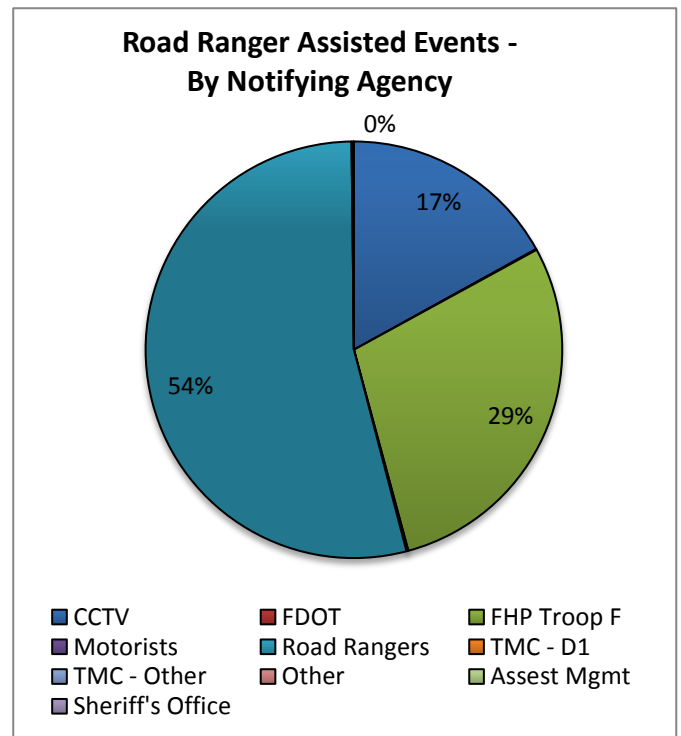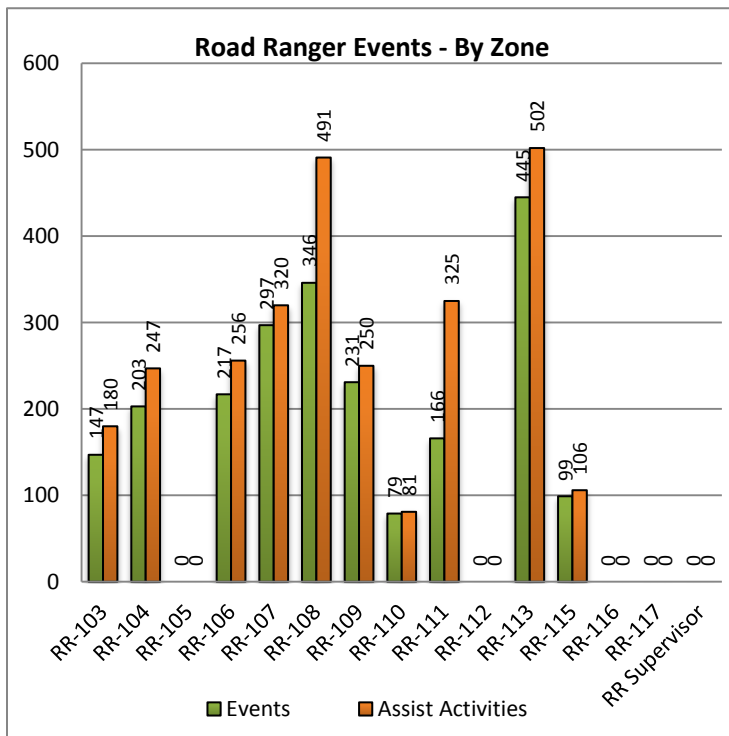
22. Road Ranger Assisted Events - By Time of Day:		
Time of Day	RR Events	RR Assists
12 AM - 1 AM	20	22
1 AM - 2 AM	13	14
2 AM - 3 AM	4	5
3 AM - 4 AM	4	4
4 AM - 5 AM	4	5
5 AM - 6 AM	10	10
6 AM - 7 AM	35	44
7AM - 8 AM	148	189
8 AM - 9 AM	162	190
9 AM - 10 AM	176	216
10 AM - 11 AM	176	226
11 AM - 12 PM	163	199

Time of Day	RR Events	RR Assists
12 PM - 1 PM	182	234
1 PM - 2 PM	178	224
2 PM - 3 PM	173	211
3 PM - 4 PM	195	249
4 PM - 5 PM	187	227
5 PM - 6 PM	196	248
6 PM - 7 PM	75	98
7 PM - 8 PM	43	57
8 PM - 9 PM	32	37
9 PM - 10 PM	15	16
10 PM - 11 PM	22	23
11 PM - 12 AM	9	10
Totals	2222	2758

Road Rangers Events - By Time of Day
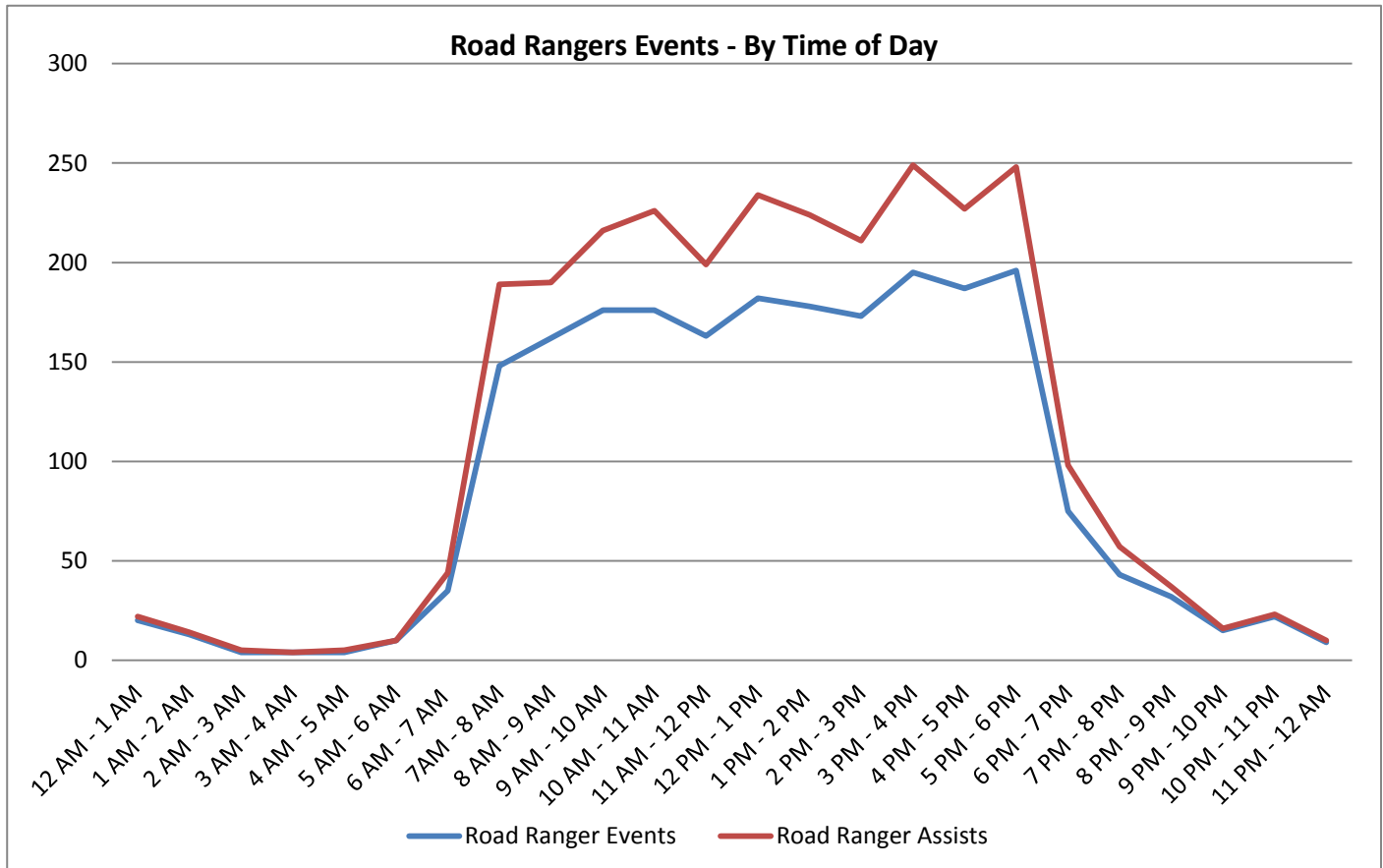
23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	195
Absorbant	0
Activity	5
Assist FHP	122
Bleach	0
Cold Patch Asphalt	0
Debris	483
Deploy Cones	0
Diesel	11
Directions	22
Dispatch Not Found	176
Flare	0
Flat Tire	382
Flood Lamp	0
Gas	203
Jump	60
Livestock	0
Lockout	0
Minor Repair	53
Miscellaneous	1
MOT non-specific	507
No Assistance	313
Oil	0
Other	77
Phone	0
Portland Cement	0
Push	8
Radio	0
Tow	37
Translate	0
Transmission Fluid	0
Transport	9
Turbo Flare	0
Unsuccessful Repair	3
Void	6
Water	85
Wildlife	0
Total Assist Activities	2758

Road Ranger Events - By Solution Type

Problem Type	# of Assists
Abandoned	195
Activity	5
Assist FHP	122
Debris	483
Diesel	11
Directions	22
Dispatch Not Found	176
Flat Tire	382
Gas	203
Jump	60
Minor Repair	53
Miscellaneous	1
MOT non-specific	507
No Assistance	313
Other	77
Push	8
Tow	37
Transport	9
Unsuccessful Repair	3
Void	6
Water	85
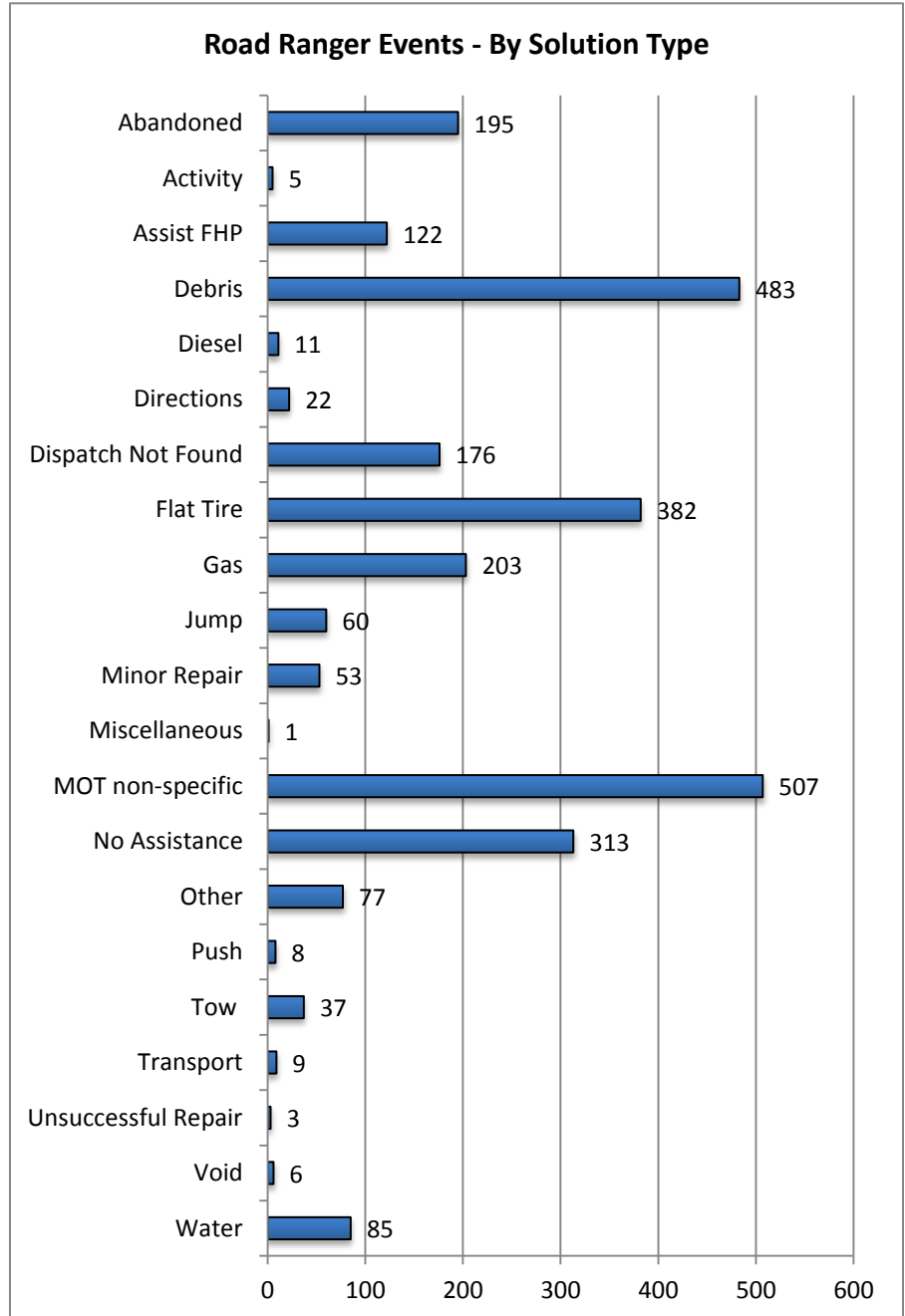
Note: Problem Type categories listed as zero are not included in the above chart.