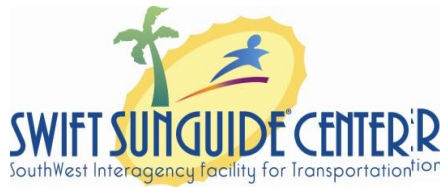**This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for February 2017. This Report contains the numerical data and counts that were derived from the SunGuide System events created by the operations staff.**

Table Of Contents

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:
5024

Total Number of SunGuide and Lane Blocking Events

2. Number of Lane Blocking Events:
360

3. Number of RISC Events:
2

Number of RISC, ESS, and Saftey Barrier Events

4. Number of ESS Events:
264

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	0:48
Average Incident Duration From First Responder Notified to Travel Lane Open	1:01
Average Incident Duration From First Responder Notified to Normal Traffic	1:25

Average Event Times

7. Average Blockage/Event Duration - For All Lane Blocking Events	
Number of Events	5024
Number of Lane Blocking Events	360
Number of Secondary Incidents	89
Average Blockage Duration	3:17
Average Event Duration	3:45
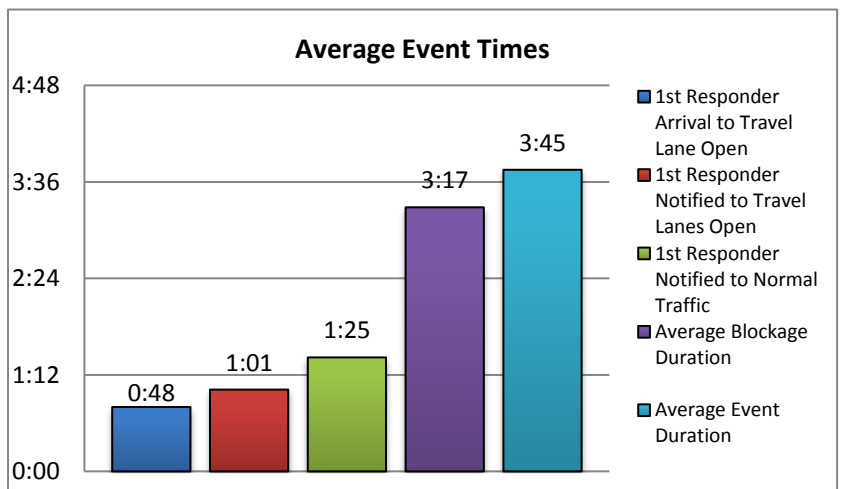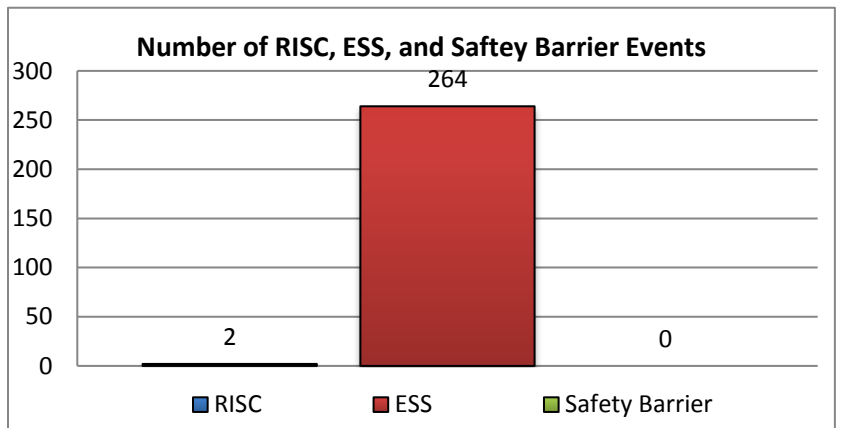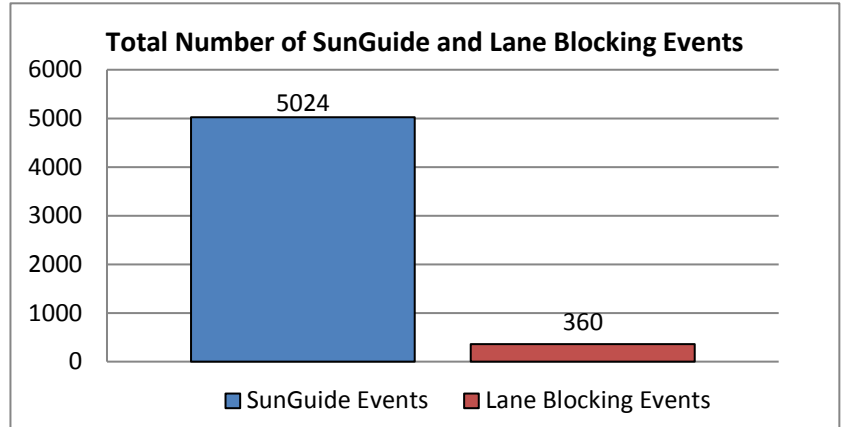
Note: Table 6 includes lane blocking incidents for I-75 and only includes Crash, Debris on Roadway, Disabled Vehicles, Emergency Vehicles, Flooding, Other, Pedestrian, Police Activity, and Vehicle Fire Events.

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	70	51	18	37	55	-
US-41	11	28	6	17	14	-
I-275	-	-	-	-	0	-
Arterials	9	12	6	14	5	7
Total Incidents	90	91	30	68	74	7

Roadways	District 7* TMC	District 6* TMC	District 4* TMC	FL Turnpike* TMC	Total Incidents By Roadway
I-75	0	0	0	-	231
US-41	0	0	-	-	76
I-275	0	-	-	-	0
Arterials	0	0	0	0	53
Total Incidents	0	0	0	0	360

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

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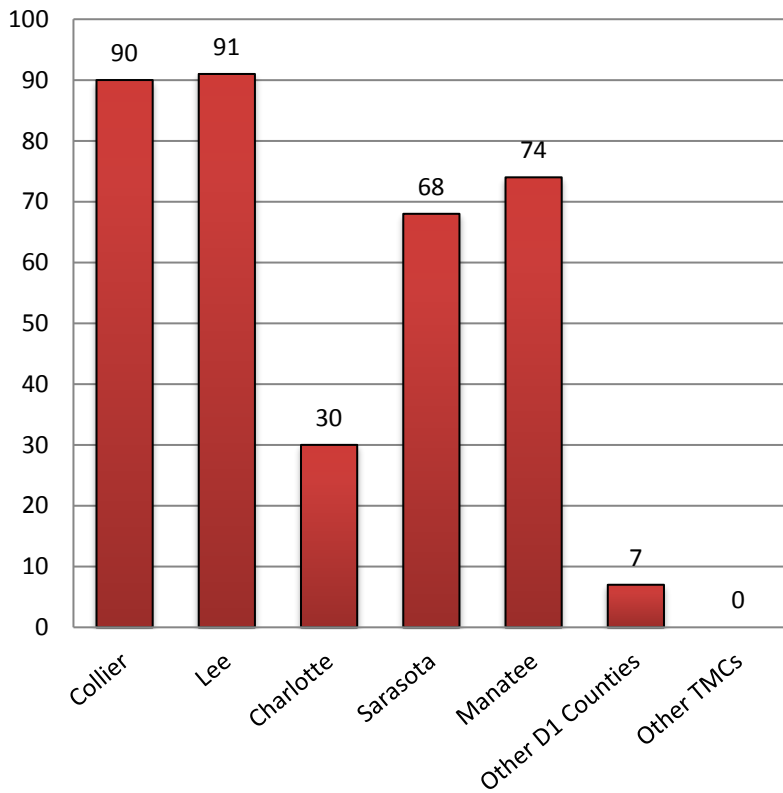
Lane Blocking Incidents - By Roadway
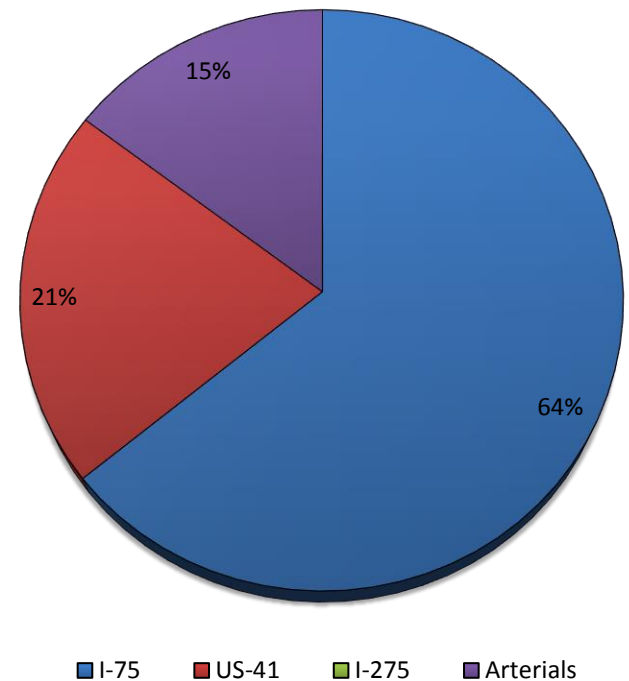
9. LANE BLOCKING INCIDENTS - By Incident Level:

	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	11	0:14	0:47	28	0:10	1:13	7	0:08	1:05	25	0:14	1:07
Level 2	7	0:49	1:23	19	1:02	1:17	9	1:09	1:29	12	0:59	1:42
Level 3	18	2:01	2:48	16	1:51	2:29	3	2:34	2:40	3	0:32	1:59
Other*	54*	7:13	7:24	28*	5:37	5:48	11*	5:14	5:22	28*	5:55	6:01
Totals	36	1:14	1:54	63	0:51	1:33	19	0:59	1:31	40	0:28	1:21

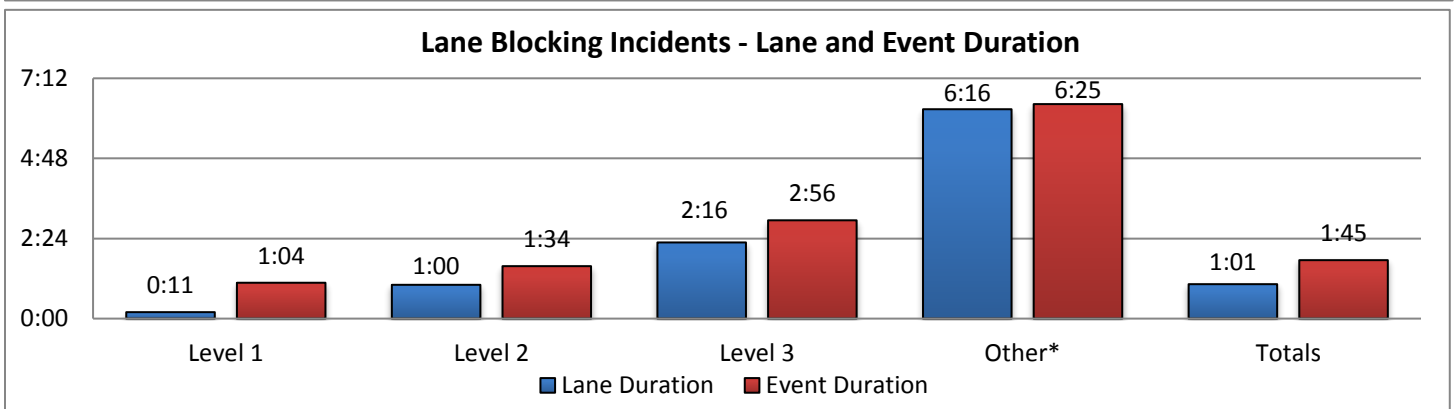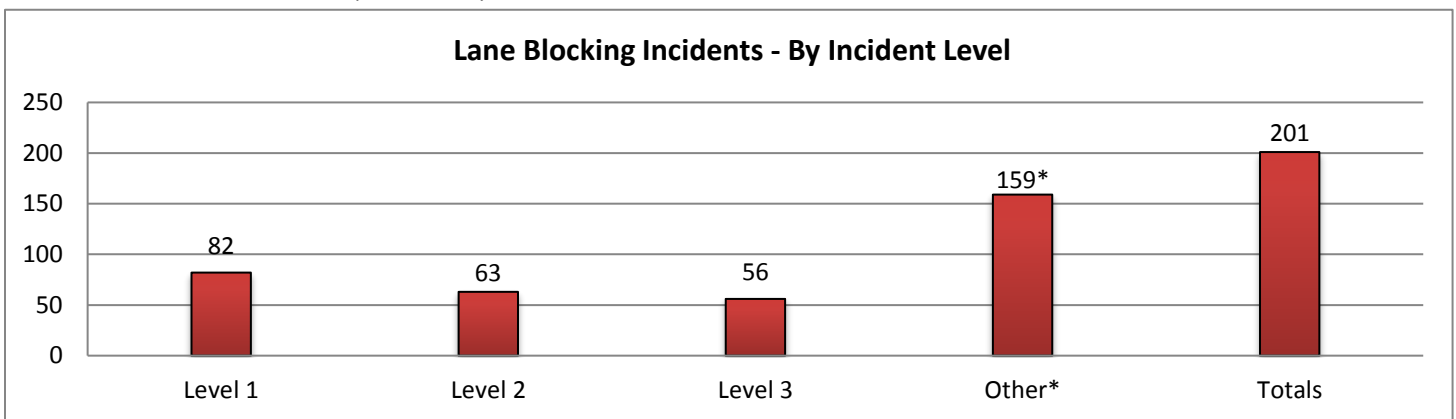|	Manatee County			Other Dist 1 Counties			Other Distrcit TMCs			Total		
	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Events	Lane Duration	Event Duration	Evevnts	Lane Duration	Event Duration
Level 1	11	0:10	0:54	0	0:00	0:00	0	0:00	0:00	82	0:11	1:04
Level 2	16	1:01	1:57	0	0:00	0:00	0	0:00	0:00	63	1:00	1:34
Level 3	11	2:20	2:46	5	5:23	6:05	0	0:00	0:00	56	2:16	2:56
Other*	36*	5:58	6:05	2*	6:16	6:45	0*	0:00	0:00	159*	6:16	6:25
Totals	38	1:09	1:52	5	5:23	6:05	0	0:00	0:00	201	1:01	1:45

*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

Level	Count
Level 1	82
Level 2	63
Level 3	56
Other*	159*
Totals	201

Lane Blocking Incidents - Lane and Event Duration

Level	Lane Duration	Event Duration
Level 1	0:11	1:04
Level 2	1:00	1:34
Level 3	2:16	2:56
Other*	6:16	6:25
Totals	1:01	1:45
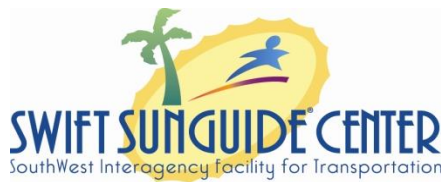
10. SunGuide Events - by Event Type:

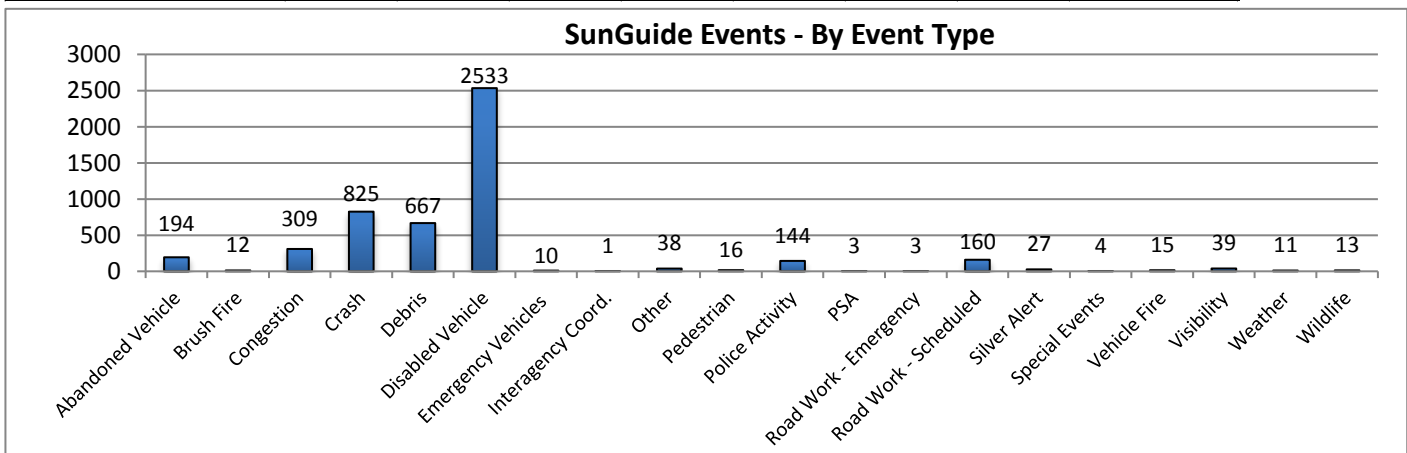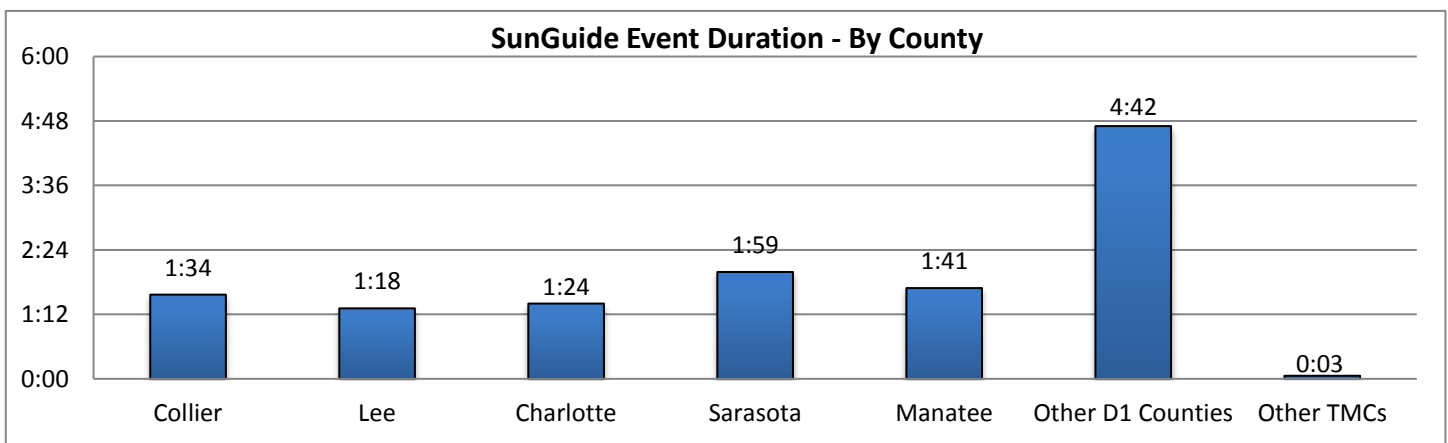| Incidents	Collier County	Lee County	Charlotte County	Sarasota County	Manatee County	Other D-1 Counties	Other Dist. TMCs	Total # of Events
Abandoned Vehicle	45	49	21	58	21	0	0	194
Amber Alerts	0	0	0	0	0	0	0	0
Bridge Work	0	0	0	0	0	0	0	0
Brush Fire	4	3	1	0	2	2	0	12
Congestion	26	61	7	51	164	0	0	309
Crash	67	218	40	244	253	3	0	825
Debris	70	144	83	241	128	1	0	667
Disabled Vehicle	910	763	194	412	246	0	8	2533
Emergency Vehicles	4	2	0	1	3	0	0	10
Evacuation	0	0	0	0	0	0	0	0
Flooding	0	0	0	0	0	0	0	0
Interagency Coord.	1	0	0	0	0	0	0	1
LEO Alerts	0	0	0	0	0	0	0	0
Other	14	14	6	2	1	0	1	38
Pedestrian	6	0	2	5	2	0	1	16
Police Activity	71	39	13	13	8	0	0	144
PSA	0	1	0	0	1	1	0	3
Road Work - Emergency	3	0	0	0	0	0	0	3
Road Work - Scheduled	52	28	12	30	36	2	0	160
Silver Alert	0	27	0	0	0	0	0	27
Special Events	0	2	0	0	1	1	0	4
Vehicle Fire	3	7	0	2	3	0	0	15
Visibility	11	9	6	7	6	0	0	39
Weather	1	3	1	3	3	0	0	11
Wildlife	2	3	3	5	0	0	0	13
Total Incidents	1290	1373	389	1074	878	10	10	5024

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	10:32	8:36	8:16	14:23	5:34	0:00	0:00	10:24
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	2:04	0:25	0:02	0:00	0:40	0:44	0:00	1:01
Congestion	1:17	1:01	0:28	1:05	1:49	0:00	0:00	1:27
Crash	1:27	1:06	1:21	1:15	1:32	0:44	0:00	1:18
Debris	0:21	0:21	0:18	0:19	0:15	1:46	0:00	0:18
Disabled Vehicle	0:57	0:51	0:59	1:36	1:29	0:00	0:02	1:04
Emergency Vehicles	0:34	0:43	0:00	0:24	0:12	0:00	0:00	0:28
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.	4:46	0:00	0:00	0:00	0:00	0:00	0:00	4:46
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:26	0:12	0:03	0:23	0:23	0:00	0:06	0:16
Pedestrian	0:11	0:00	0:49	0:24	0:43	0:00	0:07	0:23
Police Activity	0:26	0:37	0:24	0:48	0:36	0:00	0:00	0:31
PSA	0:00	0:10	0:00	0:00	15:10	28:31	0:00	14:37
Road Work - Emergency	4:10	0:00	0:00	0:00	0:00	0:00	0:00	4:10
Road Work - Scheduled	7:39	5:49	4:58	5:37	6:05	5:08	0:00	6:21
Silver Alert	0:00	4:25	0:00	0:00	0:00	0:00	0:00	4:25
Special Events	0:00	5:53	0:00	0:00	19:23	2:49	0:00	8:29
Vehicle Fire	0:20	1:06	0:00	1:13	0:45	0:00	0:00	0:53
Visibility	5:41	4:19	4:55	2:25	2:19	0:00	0:00	4:08
Weather	0:32	2:22	0:54	1:06	1:46	0:00	0:00	1:33
Wildlife	0:19	0:33	0:28	0:17	0:00	0:00	0:00	0:23
Total Incidents	1:34	1:18	1:24	1:59	1:41	4:42	0:03	1:35

SunGuide Event Duration - By County

County	Duration
Collier	1:34
Lee	1:18
Charlotte	1:24
Sarasota	1:59
Manatee	1:41
Other D1 Counties	4:42
Other TMCs	0:03

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
3507	389	9	2:53

13. PSA - DMS Activations:
Number of Public Service Announcement DMS Activations
505

* 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
160	3	163
# DMS Used for Road Work	Average # of DMS/Pattern	
375	2	

DMS Statistics

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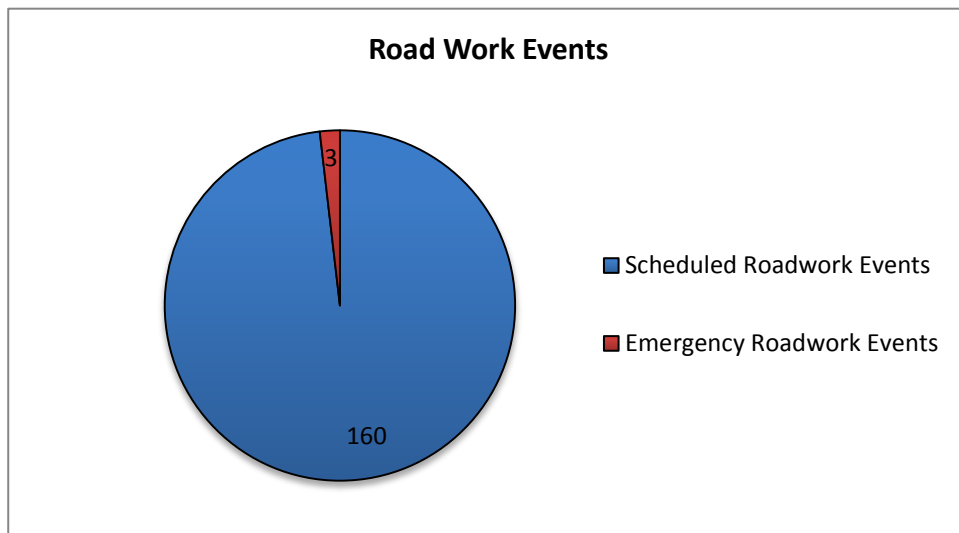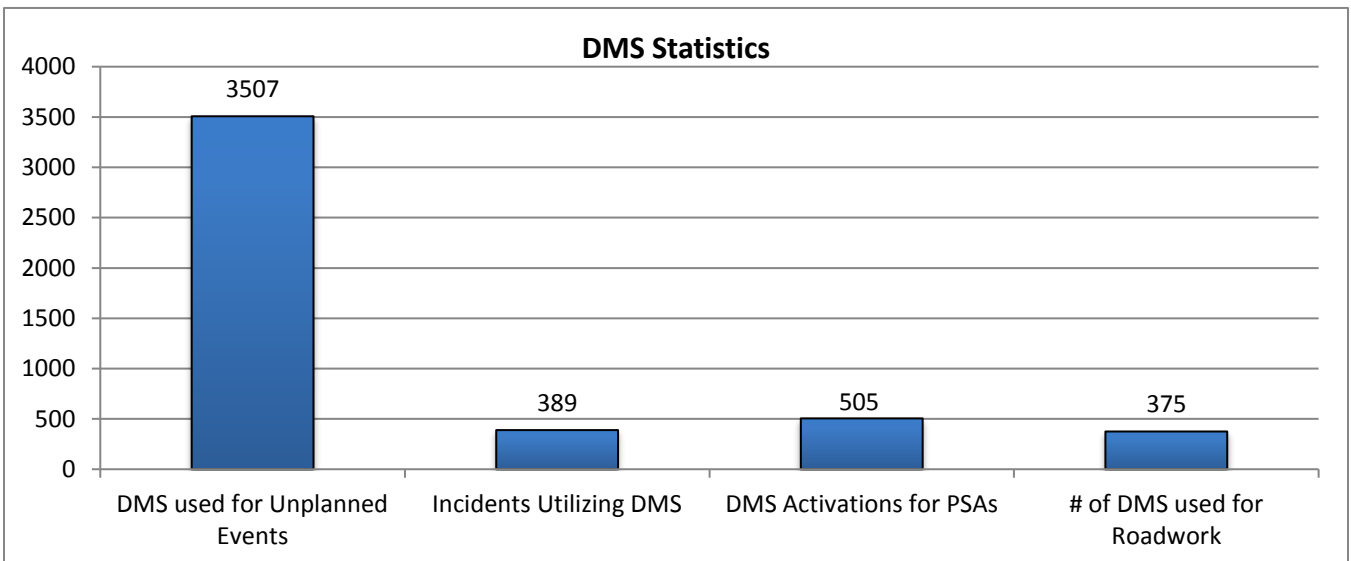
15. Event Location - Summary By Exit Reference:

I-75 Northbound		I-75 Southbound		US-41 Northbound	
Mile <49	2	Mile <49	0	Collier	13
Mile 49-79.9	159	Mile 49-79.9	193	Lee	95
Mile 80-100.9	255	Mile 80-100.9	275	Charlotte	7
Mile 101-104.9	28	Mile 101-104.9	24	Sarasota	112
Mile 105-106.9	25	Mile 105-106.9	43	Manatee	115
Mile 107-110.9	80	Mile 107-110.9	71	North Total	342
Mile 111-115.9	64	Mile 111-115.9	50		
Mile 116-122.9	130	Mile 116-122.9	122		
Mile 123-127.9	118	Mile 123-127.9	66	US-41 Southbound	
Mile 128-130.9	52	Mile 128-130.9	58	Collier	7
Mile 131-135.9	113	Mile 131-135.9	81	Lee	28
Mile 136 -137.9	35	Mile 136 -137.9	30	Charlotte	1
Mile 138 -138.9	38	Mile 138 -138.9	17	Sarasota	20
Mile 139 - 140.9	69	Mile 139 - 140.9	34	Manatee	67
Mile 141 - 142.9	41	Mile 141 - 142.9	17	South Total	123
Mile 143 - 157.9	181	Mile 143 - 157.9	140		
Mile 158 - 160.9	19	Mile 158 - 160.9	21		
Mile 161 - 163.9	31	Mile 161 - 163.9	22		
Mile 164 - 166.9	22	Mile 164 - 166.9	28	Total Events on US-41	
Mile 167 -169.9	12	Mile 167 -169.9	32	465	
Mile 170 - 178.9	49	Mile 170 - 178.9	31		
Mile 179 - 181.9	28	Mile 179 - 181.9	29		
Mile 182 - 190.9	85	Mile 182 - 190.9	61	Total Events on I-75	
Mile 191 - 192.9	31	Mile 191 - 192.9	17	4367	
Mile 193 - 194.9	32	Mile 193 - 194.9	20		
Mile 195 -199.9	67	Mile 195 -199.9	51		
Mile 200 - 204.9	68	Mile 200 - 204.9	79		
Mile 205 - 206.9	43	Mile 205 - 206.9	44	Note: The charts for these tables appear on the following page.	
Mile 207 - 209.9	29	Mile 207 - 209.9	33		
Mile 210 -212.9	77	Mile 210 -212.9	60		
Mile 213 - 216.9	143	Mile 213 - 216.9	110		
Mile 217 - 219.9	43	Mile 217 - 219.9	57		
Mile 220 - 223.9	70	Mile 220 - 223.9	74		
Mile 224 -227.9	65	Mile 224 -227.9	42		
Mile 228 - 228.9	11	Mile 228 - 228.9	15		
Mile 229 -229.9	1	Mile 229 -229.9	2		
Mile 230 - 239.9	2	Mile 230 - 239.9	0		
> Mile 240	0	> Mile 240	0		
North Total	2318	South Total	2049		

I-75 Events - By Mile Marker

— I-75 North — I-75 South

US-41 Events - By County

— US-41 North — US-41 South

Events - By Roadway

16. Event Detection Source:

|		
Assest Management (includes Dbi & ICA)	6	0.1%
CCTV - District 1 TMC	1672	33.3%
CCTV - Other	0	0.0%
Construction Agencies	149	3.0%
County and Local Law Enforcement	2	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)	2	0.0%
FDOT Maintenance	0	0.0%
FHP Dispatch, Website, or Radio	1501	29.9%
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	3	0.1%
Other Airport	0	0.0%
Other Field Personnel	0	0.0%
Road Ranger	1429	28.4%
RTMC - ITS Devices (TSS & Safety Barrier)	68	1.4%
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	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	1	0.0%
TMC - District 5	27	0.5%
TMC - District 7	0	0.0%
TMC - Other	1	0.0%
Tow Truck Companies	0	0.0%
Traffic Engineering	4	0.1%
Waze	158	3.1%
Total Number of Incidents	5024	100.0%
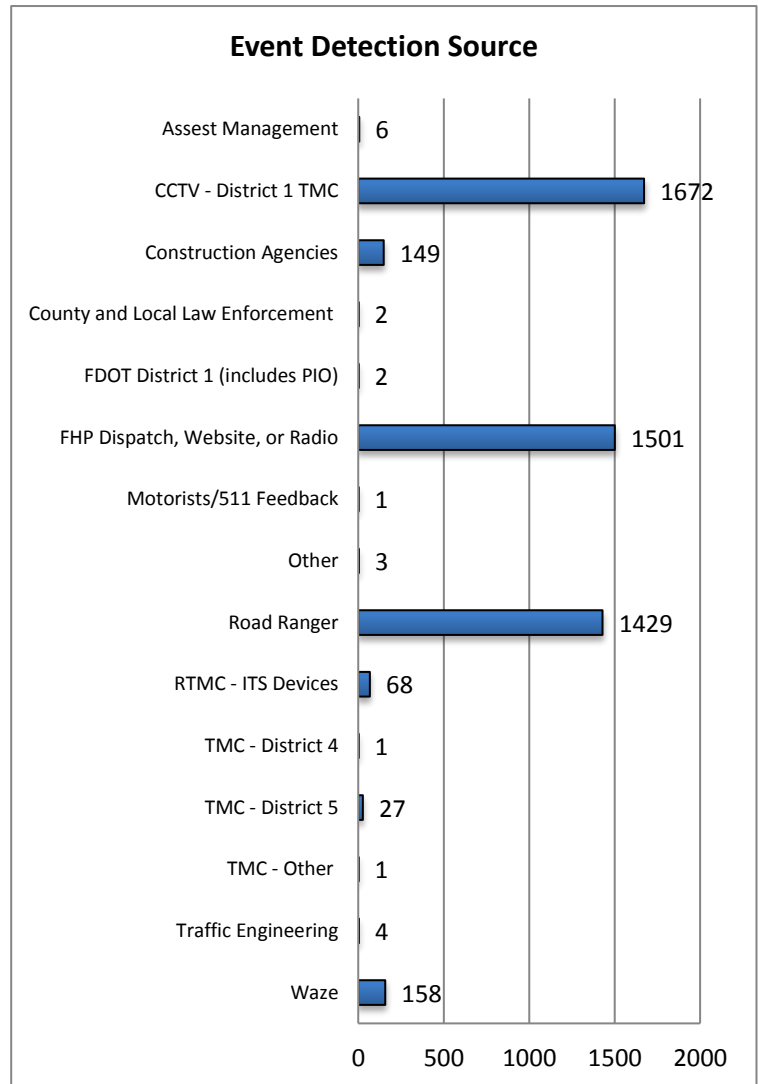
Note: Event Detection Source Categories listed as zero are not included in the above chart.

17. Event Type Summary

Event Types	# of Events	Average On Scene Time	Average Event Duration
Abandoned Vehicle	194	2:19	10:25
Amber Alert	0	0:00	0:00
Bridge Work	0	0:00	0:00
Brush Fire	12	0:43	1:09
Congestion	309	0:01	1:28
Crash	825	0:44	1:19
Debris On Roadway	667	0:09	0:19
Disabled Vehicle	2533	0:18	1:05
Emergency Vehicles	10	0:13	0:28
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	1	0:00	4:46
LEO Alert	0	0:00	0:00
Other	38	0:04	0:16
Pedestrian	16	0:04	0:24
Police Activity	144	0:16	0:32
PSA	3	0:00	14:37
Road Work - Emergency	3	0:00	4:10
Road Work - Scheduled	160	0:04	6:22
Silver Alert	27	0:00	4:25
Special Event	4	0:00	8:30
Vehicle Fire	15	0:34	0:54
Visibility	39	0:00	4:09
Weather	11	0:00	1:34
Wildlife	13	0:13	0:23
Total Events	5024	0:26	3:21

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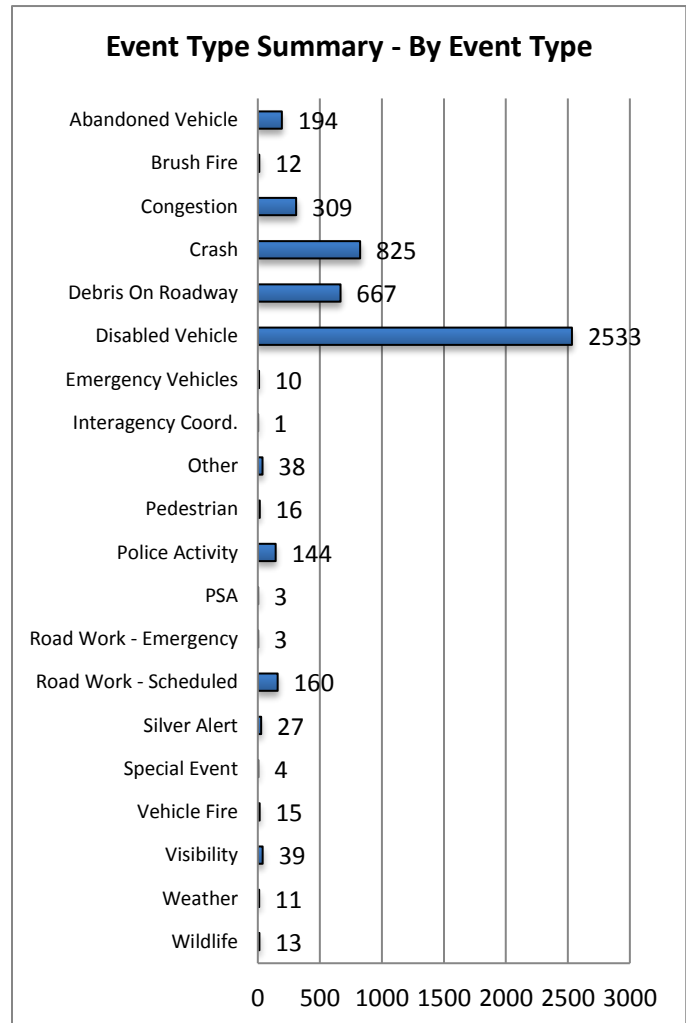
Note: Event Type Categories listed as zero are not included in these charts.

Event Type Summary - Average Event Duration
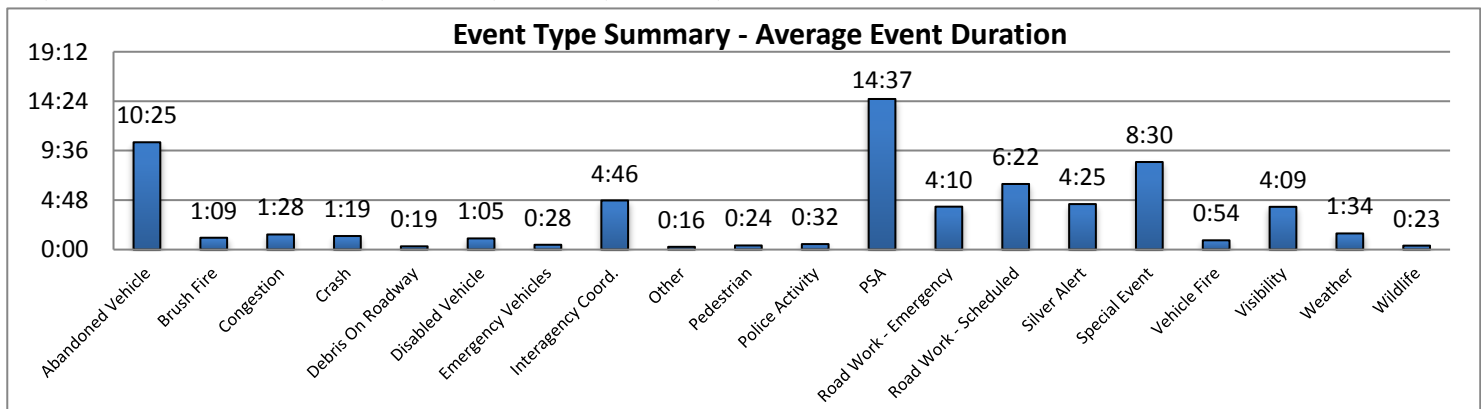
Road Ranger Information

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	5024
Events with Road Ranger Response	2070
Total RR On-Scene Activites	2541
Average Activities/Assisted Event	1.23
% of Events Assisted	41.20%

Road Ranger Assists - Summary
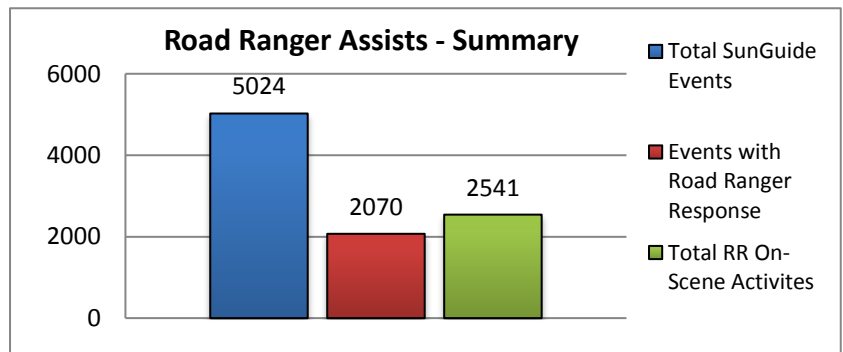
19. Road Ranger Events By County:	
District 1 Counties	Road Ranger Events
Collier	706
Lee	610
Charlotte	270
Sarasota	602
Manatee	352
Other	9
Totals	2549

Road Ranger Events - By County
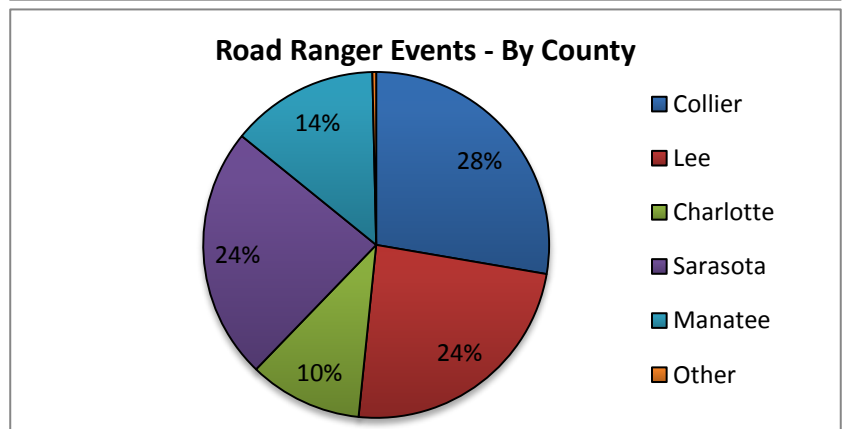
20. Road Ranger Events - By Zone:		
Road Ranger Zones	Road Ranger Events	Assist Activities
RR-103	224	256
RR-104	227	263
RR-105	0	0
RR-106	204	252
RR-107	261	274
RR-108	343	494
RR-109	165	177
RR-110	233	265
RR-111	162	287
RR-112	0	0
RR-113	253	269
RR-115	4	4
RR-116	0	0
RR-117	0	0
RR Supervisor	0	0
Totals	2076	2541

21. Road Ranger Assisted Events - By Notifying Agency:		
Notifying Agency	Number of Events	% of Events
CCTV	335	13.1%
FDOT	2	0.1%
FHP Troop F	698	27.4%
Motorists	1	0.0%
Road Rangers	1429	56.1%
TMC - D1	9	0.4%
TMC - Other	0	0.0%
Other	0	0.0%
Assest Mgmt	1	0.0%
Sheriff's Office	1	0.0%
Waze	73	2.9%
Totals	2549	100.0%

Road Ranger Events - By Zone

Road Ranger Assisted Events - By Notifying Agency

Time of Day	RR Events	RR Assists	Time of Day	RR Events	RR Assists
12 AM - 1 AM	10	13	12 PM - 1 PM	177	224
1 AM - 2 AM	6	7	1 PM - 2 PM	163	206
2 AM - 3 AM	2	2	2 PM - 3 PM	179	228
3 AM - 4 AM	2	2	3 PM - 4 PM	158	193
4 AM - 5 AM	6	6	4 PM - 5 PM	171	205
5 AM - 6 AM	5	5	5 PM - 6 PM	157	190
6 AM - 7 AM	39	49	6 PM - 7 PM	75	99
7AM - 8 AM	140	177	7 PM - 8 PM	39	45
8 AM - 9 AM	141	181	8 PM - 9 PM	23	26
9 AM - 10 AM	173	202	9 PM - 10 PM	20	23
10 AM - 11 AM	175	217	10 PM - 11 PM	28	30
11 AM - 12 PM	167	197	11 PM - 12 AM	14	14
			Totals	2070	2541

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

Road Rangers Events - By Time of Day
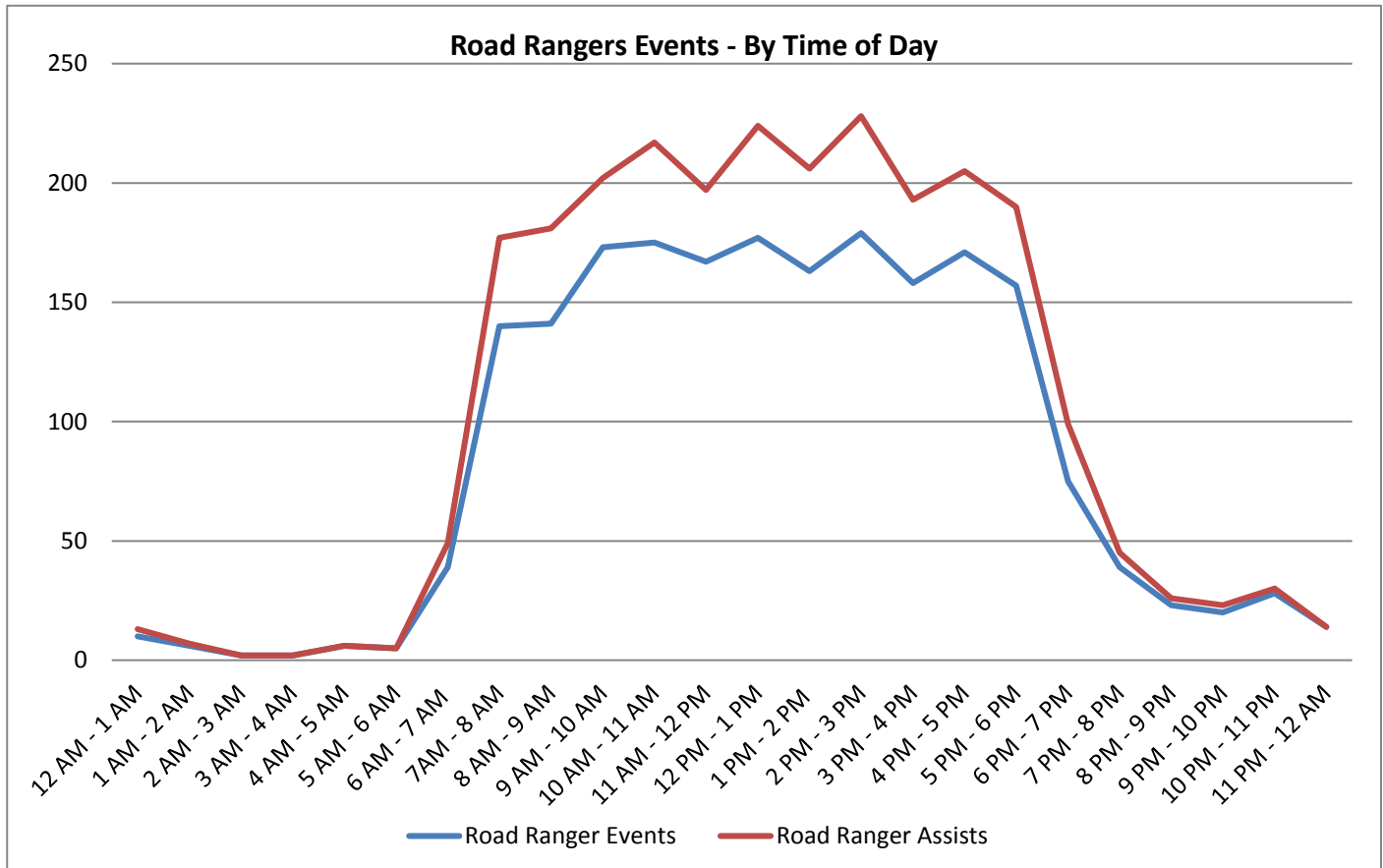
23. Road Ranger Events - By Solution Type:	
Problem Type	# of Assists
Abandoned	157
Absorbant	0
Activity	5
Assist FHP	99
Bleach	0
Cold Patch Asphalt	0
Debris	463
Deploy Cones	0
Diesel	6
Directions	10
Dispatch Not Found	163
Flare	0
Flat Tire	387
Flood Lamp	0
Gas	210
Jump	40
Livestock	0
Lockout	0
Minor Repair	48
Miscellaneous	1
MOT non-specific	393
No Assistance	336
Oil	0
Other	90
Phone	0
Portland Cement	0
Push	9
Radio	0
Tow	46
Translate	0
Transmission Fluid	0
Transport	10
Turbo Flare	0
Unsuccessful Repair	0
Void	3
Water	65
Wildlife	0
Total Assist Activities	2541

Road Ranger Events - By Solution Type

Problem Type	# of Assists
Abandoned	157
Activity	5
Assist FHP	99
Debris	463
Diesel	6
Directions	10
Dispatch Not Found	163
Flat Tire	387
Gas	210
Jump	40
Minor Repair	48
Miscellaneous	1
MOT non-specific	393
No Assistance	336
Other	90
Push	9
Tow	46
Transport	10
Void	3
Water	65
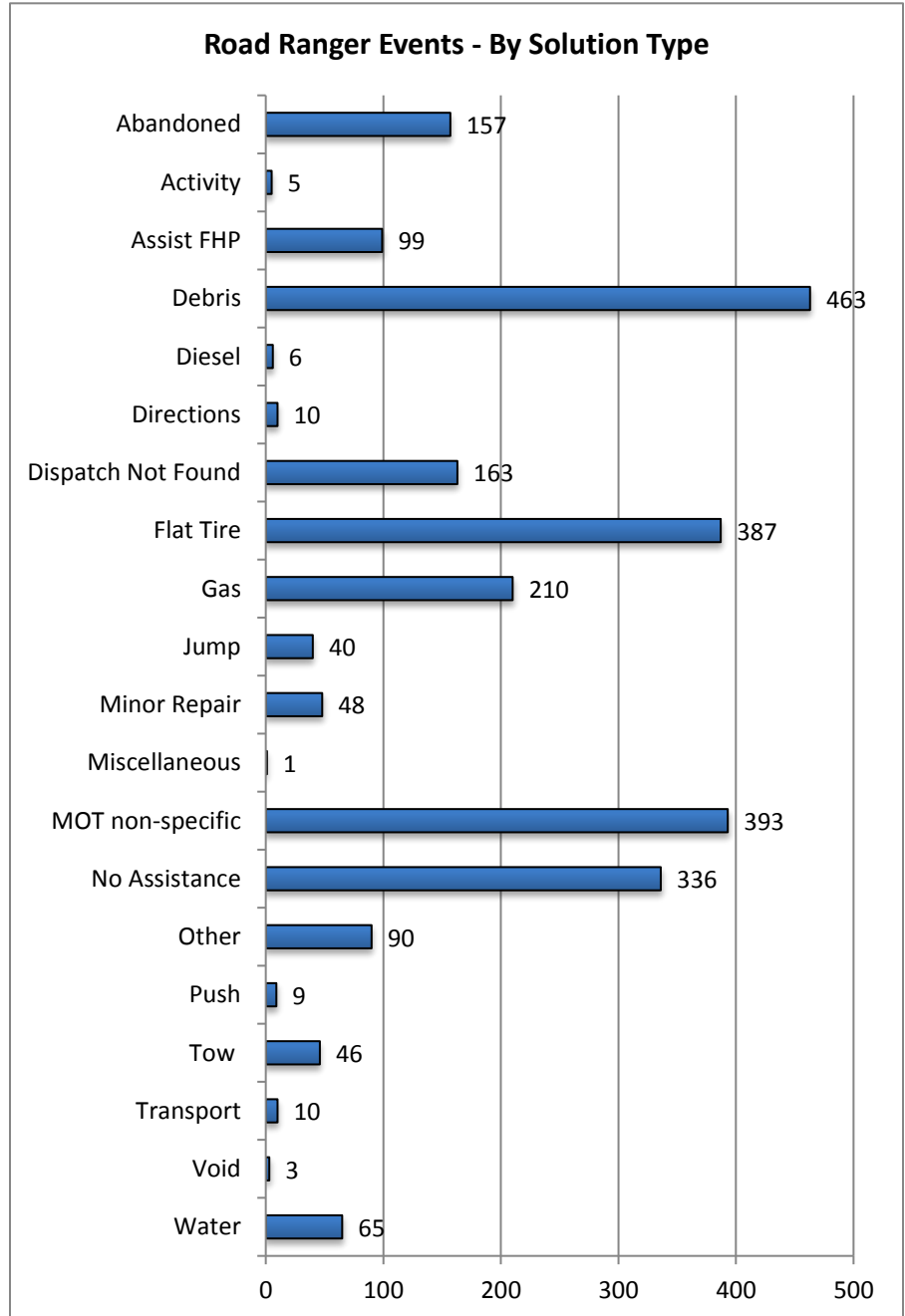
Note: Problem Type categories listed as zero are not included in the above chart.