

SWIFT SunGuide Center May, 2015 Monthly Operations Report





This is the FDOT District 1 SWIFT SunGuide Center Monthly Operations Report, for May 2015. 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.



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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).

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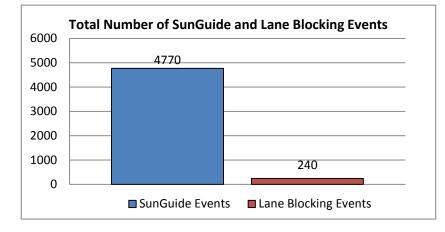


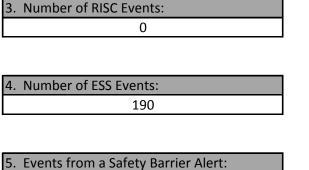


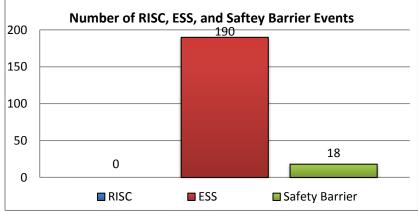


1.	Total Number of SunGuide Events:
	4770

2.	Number of Lane Blocking Events:
	240







6. Average Open Roads Policy &						
Normal Traffic Times for I-75 Incidents						
Average Incident Duration From First	0:54					
Responder Arrival to Travel Lane Open	0.54					
Average Incident Duration From First	1:08					
Responder Notified to Travel Lane Open	1.08					
Average Incident Duration From First	1:40					
Responder Notified to Normal Traffic	1.40					

18

7. Average Blockage/Event Duration	7. Average Blockage/Event Duration -					
For All Lane Blocking Events						
Number of Events	4770					
Number of Lane Blocking Events	240					
Number of Secondary Incidents	31					
Average Blockage Duration	1:33					
Average Event Duration	2:16					

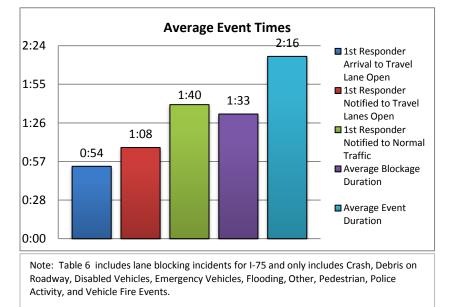


Table 7 includes all lane blocking incidents & events for all 12 District 1 Counties.

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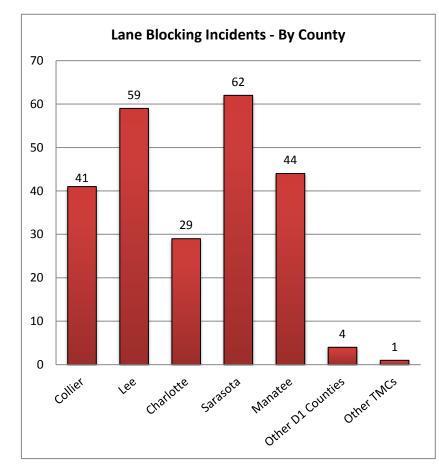
SWIFT SUNCUIDE CENTER SouthWest Interagency facility for Transportation

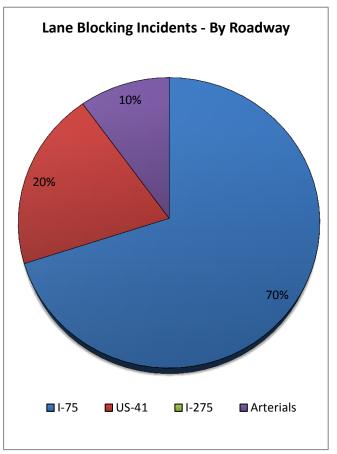


8. Lane Blocking In	cidents - By Co	ounty and Roa	dway:			
	Collier	Lee	Charlotte	Sarasota	Manatee	Other Dist 1
Roadways	County	County	County	County	County	Counties
I-75	38	37	26	46	20	-
US-41	2	17	3	10	16	-
I-275	-	-	-	-	0	-
Arterials	1	5	0	6	8	4
Total Incidents	41	59	29	62	44	4

	District 7*	District 6*	District 4*	FL Turnpike*	Total Incidents
Roadways	TMC	TMC	TMC	TMC	By Roadway
I-75	0	0	1	-	168
US-41	0	0	-	-	48
I-275	0	-	-	-	0
Arterials	0	0	0	0	24
Total Incidents	0	0	1	0	240

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





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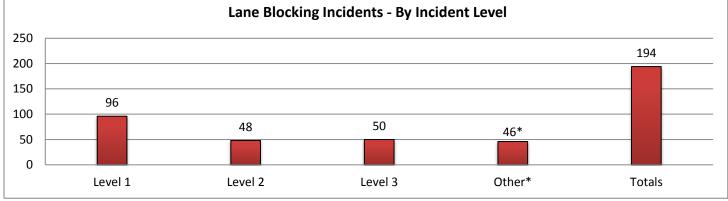
SWIFT SUNCUIDE CENTER SouthWest Interagency facility for Transportation

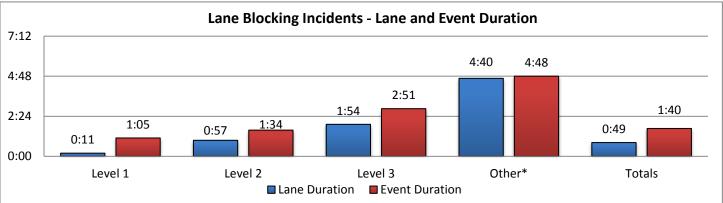


9. LANE E	BLOCKING	INCIDEN	TS - By Ind	cident Lev	vel:							
	Collier County		nty	Lee County			Charlotte County			Sarasota County		
		Lane	Event		Lane	Event		Lane	Event		Lane	Event
	Events	Duration	Duration	Events	Duration	Duration	Events	Duration	Duration	Evevnts	Duration	Duration
Level 1	18	0:09	1:24	31	0:12	0:56	7	0:09	0:52	29	0:12	1:13
Level 2	8	0:44	1:30	12	0:59	1:11	2	0:43	1:28	14	1:04	1:53
Level 3	14	0:43	1:41	9	2:38	3:48	5	2:21	3:05	10	2:23	3:22
Other*	1*	0:04	0:13	7*	3:15	3:25	15*	7:15	7:23	9*	4:01	4:07
Totals	40	0:27	1:31	52	0:48	1:29	14	1:01	1:44	53	0:50	1:47

	Manatee County			Other Dist 1 Counties			Other Distrcit TMCs			Total		
		Lane	Event		Lane	Event		Lane	Event		Lane	Event
	Events	Duration	Duration	Events	Duration	Duration	Events	Duration	Duration	Evevnts	Duration	Duration
Level 1	10	0:11	0:57	0	0:00	0:00	1	0:26	0:33	96	0:11	1:05
Level 2	12	1:00	1:39	0	0:00	0:00	0	0:00	0:00	48	0:57	1:34
Level 3	9	2:01	3:00	3	2:47	2:58	0	0:00	0:00	50	1:54	2:51
Other*	13*	3:38	3:46	1*	0:00	0:00	0*	0:00	0:00	46*	4:40	4:48
Totals	31	1:01	1:48	3	2:47	2:58	1	0:26	0:33	194	0:49	1:40

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







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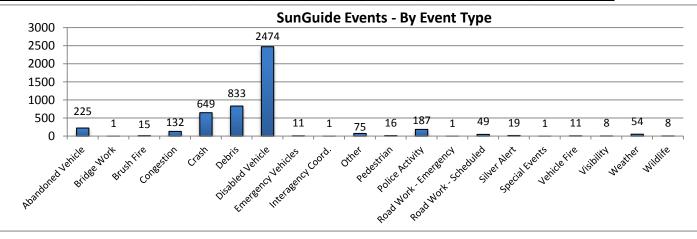
SouthWest



Interagency facility for Transportation



10. SunGuide Events -	by Event	Туре:							_
	Collier	Lee	Charlotte	Sarasota	Manatee	Other D-1	Other Dist.	Total #	
Incidents	County	County	County	County	County	Counties	TMCs	of Events	
Abandoned Vehicle	45	56	22	60	41	0	1	225	
Amber Alerts	0	0	0	0	0	0	0	0	
Bridge Work	0	0	0	0	0	1	0	1	
Brush Fire	10	1	0	3	1	0	0	15	
Congestion	9	19	3	42	59	0	0	132	
Crash	74	151	20	201	195	8	0	649	
Debris	138	193	88	209	203	1	1	833	
Disabled Vehicle	757	707	186	443	375	0	6	2474	
Emergency Vehicles	7	0	1	1	2	0	0	11	
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	1	1	
LEO Alerts	0	0	0	0	0	0	0	0	
Other	12	20	4	31	7	1	0	75	
Pedestrian	1	5	1	6	3	0	0	16	
Police Activity	61	70	8	25	23	0	0	187	
PSA	0	0	0	0	0	0	0	0	
Road Work - Emergency	0	0	0	1	0	0	0	1	Note: Incident
Road Work - Scheduled	0	8	16	11	13	1	0	49	categories that
Silver Alert	0	19	0	0	0	0	0	19	are listed as zero are not
Special Events	0	0	1	0	0	0	0	1	included in the
Vehicle Fire	5	3	1	2	0	0	0	11	chart below.
Visibility	7	1	0	0	0	0	0	8	
Weather	13	16	6	12	7	0	0	54	
Wildlife	3	2	1	2	0	0	0	8	
Total Incidents	1142	1271	358	1049	929	12	9	4770	



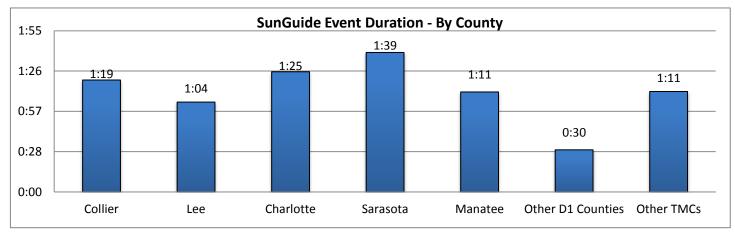
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SWIFT SUILOUIDE CENTER SouthWest Interagency facility for Iransportation



11. SunGuide Event Du								
	Manatee	Other D-1	Other Dist.	All				
Incidents	County	County	County	County	County	Counties	TMCs	Counties
Abandoned Vehicle	9:48	6:09	9:03	9:37	6:30	0:00	8:14	8:09
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	0:58	0:00	0:58
Brush Fire	10:53	0:13	0:00	1:28	0:29	0:00	0:00	7:35
Congestion	1:01	0:39	0:16	0:59	0:53	0:00	0:00	0:52
Crash	1:18	1:12	1:03	1:15	1:22	0:28	0:00	1:15
Debris	0:14	0:17	0:16	0:24	0:13	0:03	0:06	0:17
Disabled Vehicle	0:58	0:52	0:44	1:32	1:06	0:00	0:18	1:02
Emergency Vehicles	1:29	0:00	3:33	4:36	0:20	0:00	0:00	1:44
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	0:33	0:33
LEO Alerts	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Other	0:51	0:15	0:06	0:16	0:28	0:04	0:00	0:21
Pedestrian	0:10	0:15	0:04	0:26	0:15	0:00	0:00	0:18
Police Activity	0:18	0:21	0:28	0:28	0:10	0:00	0:00	0:19
PSA	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Road Work - Emergency	0:00	0:00	0:00	2:38	0:00	0:00	0:00	2:38
Road Work - Scheduled	0:00	3:02	6:58	4:53	3:55	1:06	0:00	4:55
Silver Alert	0:00	3:54	0:00	0:00	0:00	0:00	0:00	3:54
Special Events	0:00	0:00	4:38	0:00	0:00	0:00	0:00	4:38
Vehicle Fire	0:58	0:57	0:26	2:05	0:00	0:00	0:00	1:07
Visibility	3:34	1:43	0:00	0:00	0:00	0:00	0:00	3:20
Weather	2:22	1:16	1:14	1:22	0:41	0:00	0:00	1:28
Wildlife	1:14	0:18	0:04	0:55	0:00	0:00	0:00	0:46
Total Incidents	1:19	1:04	1:25	1:39	1:11	0:30	1:11	2:09





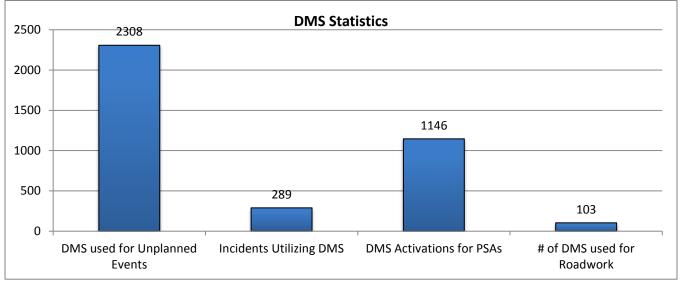
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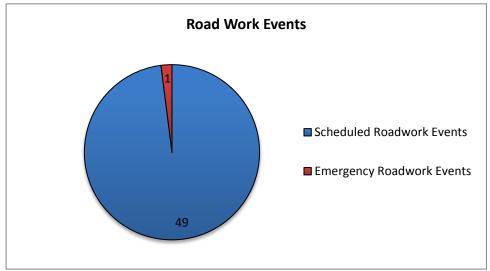




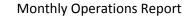
12. Event DMS Statistics:			
Number of DMS Used for	Number of Incidents	Average Number of DMS	Average DMS Message
Unplanned Events*:	Utilizing DMS	per Incident	Duration
2308	289	8	2:30

	13. PSA - DMS Activations:		14. Road Work - D	MS Statis	stics:	
	Number of Public Service Announcement		Scheduled	Emer	gency	Total # Road Work
	DMS Activations	DMS Activations Roa		Road Work		Patterns
	1146		49		1	50
*т	* The DMS used for "Unplanned Events" includes crashes, congestion, visibility, silver alerts, etc.		# DMS Used for Road	d Work	Average	# of DMS/Pattern
			103		2	





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Swift sunduide Center SouthWest Interagency facility for Iransportation



15. Event Location	n - Summa	ary By Exit Reference:			
I-75 Northbound I-75 Southbound					
Mile <49	2	Mile <49	0		
Mile 49-79.9	184	Mile 49-79.9	228		
Mile 80-100.9	164	Mile 80-100.9	151		
Mile 101-104.9	37	Mile 101-104.9	21		
Mile 105-106.9	41	Mile 105-106.9	37		
Mile 107-110.9	51	Mile 107-110.9	68		
Mile 111-115.9	87	Mile 111-115.9	50		
Mile 116-122.9	161	Mile 116-122.9	141		
Mile 123-127.9	101	Mile 123-127.9	71		
Mile 128-130.9	68	Mile 128-130.9	53		
Mile 131-135.9	88	Mile 131-135.9	63		
Mile 136 -137.9	27	Mile 136 -137.9	19		
Mile 138 -138.9	34	Mile 138 -138.9	23		
Mile 139 - 140.9	66	Mile 139 - 140.9	21		
Mile 141 - 142.9	28	Mile 141 - 142.9	21		
Mile 143 - 157.9	144	Mile 143 - 157.9	106		
Mile 158 - 160.9	28	Mile 158 - 160.9	17		
Mile 161 - 163.9	33	Mile 161 - 163.9	26		
Mile 164 - 166.9	18	Mile 164 - 166.9	24		
Mile 167 -169.9	28	Mile 167 -169.9	31		
Mile 170 - 178.9	69	Mile 170 - 178.9	56		
Mile 179 - 181.9	16	Mile 179 - 181.9	22		
Mile 182 - 190.9	81	Mile 182 - 190.9	75		
Mile 191 - 192.9	41	Mile 191 - 192.9	24		
Mile 193 - 194.9	19	Mile 193 - 194.9	24		
Mile 195 -199.9	47	Mile 195 -199.9	46		
Mile 200 - 204.9	81	Mile 200 - 204.9	66		
Mile 205 - 206.9	45	Mile 205 - 206.9	28		
Mile 207 - 209.9	37	Mile 207 - 209.9	42		
Mile 210 -212.9	97	Mile 210 -212.9	28		
Mile 213 - 216.9	110	Mile 213 - 216.9	79		
Mile 217 - 219.9	79	Mile 217 - 219.9	59		
Mile 220 - 223.9	101	Mile 220 - 223.9	73		
Mile 224 -227.9	83	Mile 224 -227.9	93		
Mile 228 - 228.9	17	Mile 228 - 228.9	25		
Mile 229 -229.9	2	Mile 229 -229.9	2		
Mile 230 - 239.9	3	Mile 230 - 239.9	3		
> Mile 240	0	> Mile 240	0		
North Total	2318	South Total	1916		

US-41 Northbound				
Collier	9			
Lee	79			
Charlotte	5			
Sarasota	83			
Manatee	98			
North Total	274			

US-41 Southbound			
Collier	1		
Lee	11		
Charlotte	1		
Sarasota	12		
Manatee	27		
South Total	52		

Total Events on US-41
326

Total Events on I-75	
4234	

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

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collier

Charlotte

US-41 North

vee



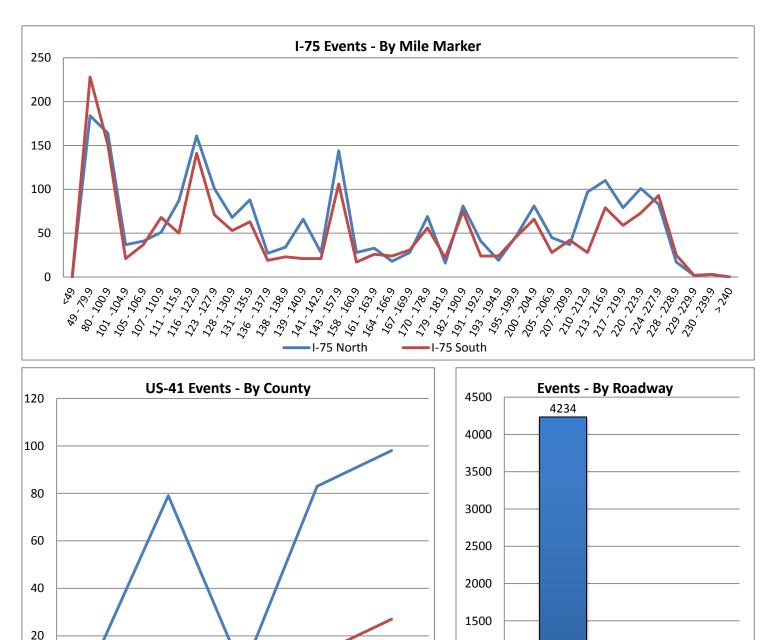
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326

US-41



Manatee

sarasota

US-41 South

1000

500

0

I-75



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16. Event Detection Source:								
Assest Management (includes Dbi & ICA)	5	0.1%	Fvont Do	tection	Source	د		
CCTV - District 1 TMC	1369	28.7%	Event Detection Source					
CCTV - Other	0	0.0%	Assest Management	5				
Construction Agencies	29	0.6%		5				
County and Local Law Enforcement	0	0.0%	CCTV - District 1 TMC				1369	
Emergency Operations Centers	2	0.0%	Construction Agencies	29				
Emergency Responders	1	0.0%	Emergency Operations Centers	2				
FDOT District 1 ITS Managers	0	0.0%		2				
FDOT District 1 (includes PIO)	2	0.0%	Emergency Responders	1				
FDOT Maintenance	0	0.0%	FDOT District 1 (includes PIO)	2				
FHP Dispatch, Website, or Radio	1349	28.3%	FHP Dispatch, Website, or Radio				349	
FHP Incident Alerts	0	0.0%	The Dispatch, Website, of Radio				1549	
Fire Department	0	0.0%	Other	3				
HazMat/DEP	0	0.0%	Road Ranger					1802
МССО	0	0.0%	RTMC - ITS Devices	101				
Media	0	0.0%	KTINE - ITS DEVICES					
Motorists/511 Feedback	0	0.0%	Sheriff's Office - Lee County	4				
Other	3	0.1%	Sheriff's Office - Manatee County	4				
Other Airport	0	0.0%	Sherriff's Officer - Charlotte County	1				
Other Field Personnel	0	0.0%	Sherrin's Oncer - Chanotte County	1 I				
Road Ranger	1802	37.8%	TMC - District 4	3				
RTMC - ITS Devices (TSS & Safety Barrier)	101	2.1%	TMC - District 5] 19				
RTMC Scanner	0	0.0%	TMC - Other	1				
RTMC Staff (On Scene)	0	0.0%		1				
Sherriff's Officer - Charlotte County	1	0.0%	Traffic Engineering	2				
Sheriff's Office - Collier County	0	0.0%	Waze	73				
Sheriff's Office - Lee County	4	0.1%						
Sheriff's Office - Manatee County	4	0.1%		0 50	0 100	JO 15	00 2	2000
Sheriff's Office - Sarasota County	0	0.0%						
SW Florida Internantion Airport	0	0.0%	Note: Event Detection Source included in the above chart.	ce Categor	ies liste	d as zei	ro are	not
TMC - District 4	3	0.1%						
TMC - District 5	19	0.4%						
TMC - District 7	0	0.0%						
TMC - Other	1	0.0%						
Tow Truck Companies	0	0.0%						
Traffic Engineering	2	0.0%						
Waze	73	1.5%						
Total Number of Incidents	4770	100.0%						

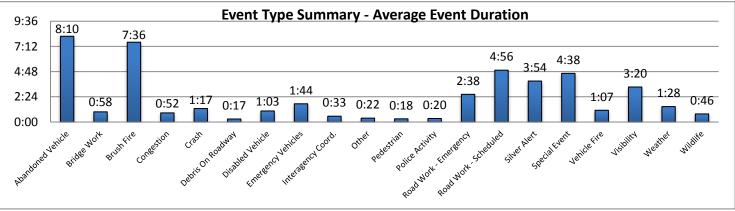


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17. Event Type Summary			
			Average
		Average On	Event
Event Types		Scene Time	Duration
Abandoned Vehicle	225	1:31	8:10
Amber Alert	0	0:00	0:00
Bridge Work	1	0:00	0:58
Brush Fire	15	0:21	7:36
Congestion	132	0:01	0:52
Crash	649	0:51	1:17
Debris On Roadway	833	0:11	0:17
Disabled Vehicle	2474	0:20	1:03
Emergency Vehicles	11	1:14	1:44
Evacuation	0	0:00	0:00
Flooding	0	0:00	0:00
Interagency Coord.	1	0:00	0:33
LEO Alert	0	0:00	0:00
Other	75	0:12	0:22
Pedestrian	16	0:04	0:18
Police Activity	187	0:14	0:20
PSA	0	0:00	0:00
Road Work - Emergency	1	0:00	2:38
Road Work - Scheduled	49	0:07	4:56
Silver Alert	19	0:00	3:54
Special Event	1	0:00	4:38
Vehicle Fire	11	0:20	1:07
Visibility	8	0:00	3:20
Weather	54	0:00	1:28
Wildlife	8	0:30	0:46
Total Events	4770	0:27	2:18



Florida Depar District 1	tment of Trans	sportation	SWIFT	SunGu May, 2	ide Center 015	Monthly	y Operations Report
Center	1915 * 20				UIDE CENTER ocility for Iransportation	(5	
			Road Ra	nger I	nformation		
	Weekday	Road Rangers	5	Ť	Coun	ty Limits	
RR104	MM 49-80	RR111	MM 167-193		Collier County	Mi	ile 50-115
RR103	MM 80-105	RR108	MM 191-213		Lee County	Mi	le 115-149
RR105	(Spare Truck)	RR113	MM 210-230		Charlotte County	Mi	le 149-172
RR106	MM 105-123		MM 224-230 &		Sarasota County		le 172-213
RR107	MM 116-138		I-275 MM 0-13		Manatee County	Mi	le 213-232
RR110	MM 136-158		(Spare Truck)				
RR109	MM 143-170						
*RR112 is prima	arily dispatched fr	om the District 7	RTMC				
	Saturday	Road Rangers	5		Sunday R	oad Rangers	
RR104	MM 49-80	RR111	MM 167-193		RR103 MM 49-80	-	MM 167-193
RR103	MM 80-105	RR113	MM 210-230		RR104 MM 80-105	RR113	MM 210-230
RR105	(Spare Truck)	RR112	MM 224-230		RR105 (Spare Truck)	RR112	MM 224-230
RR106	MM 105-123		I-275 MM 0-13		RR106 MM 105-123		I-275 MM 0-13
RR109	MM 143-170	*RR113	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 arri	ves for District 7		*RR 113 covers I-275 until 11 AM v	when RR112 arriv	es for District 7
					Road Ranger Assists - S	ummarv	■ Total SunGuide
19 Doo	d Dangar Acciet			6000			Events
	d Ranger Assist nGuide Events	is Summary	4770		4770		
	vith Road Rang	er Response	2197	4000		3645	Events with
	On-Scene Acti	•	3645		2197		Road Ranger Response
	Activities/Assi		1.66	2000			■ Total RR On-
-	ents Assisted		46.06%				Scene Activites
				0			
	19. Road Ran	ger Events					
	By County	1			Road Ranger Event	s - By County	,
	District 1	Road Ranger					■ Collier
	Counties	Events			19%		
	Collier	786				27%	Lee
	Lee Charlotto	689					Charlotte
	Charlotte Sarasota	268 614			21%		Sarasota
	Manatee	536					■ Manatee
		550			24	%	
	Other	8			24		
	Other Totals	8 2901			9%		Other

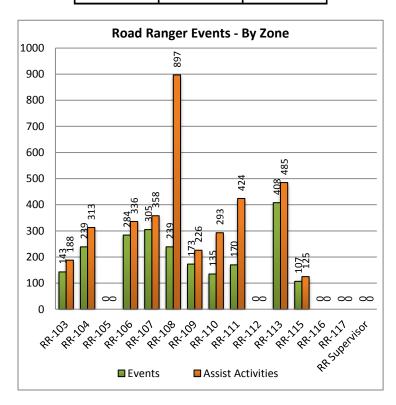
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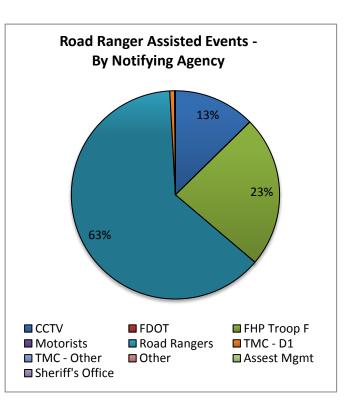




20. Road Ranger Events - By Zone:					
Road Ranger	Road Ranger	Assist			
Zones	Events	Activities			
RR-103	143	188			
RR-104	239	313			
RR-105	0	0			
RR-106	284	336			
RR-107	305	358			
RR-108	239	897			
RR-109	173	226			
RR-110	135	293			
RR-111	170	424			
RR-112	0	0			
RR-113	408	485			
RR-115	107	125			
RR-116	0	0			
RR-117	0	0			
RR Supervisor	0	0			
Totals	2203	3645			



21. Road Ranger Assisted Events -						
By Notifying A	By Notifying Agency:					
Notifying	Number of	% of				
Agency	Events	Events				
CCTV	362	12.5%				
FDOT	1	0.0%				
FHP Troop F	673	23.2%				
Motorists 0 0.0%						
Road Rangers	1802	62.1%				
TMC - D1	21	0.7%				
TMC - Other	2	0.1%				
Other 0 0.0%						
Assest Mgmt	2	0.1%				
Sheriff's Office	0	0.0%				
Waze	38	1.3%				
Totals	2901	100.0%				



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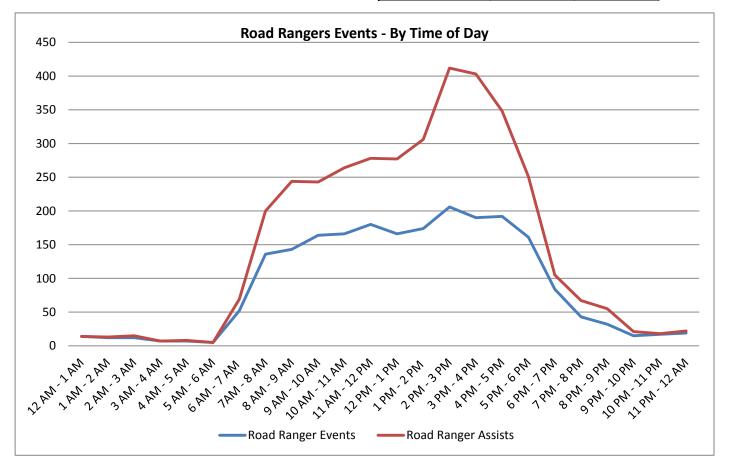






22. Road Ranger Assisted Events -					
By Time of Day:					
Time	RR	RR			
of Day	Events	Assists			
12 AM - 1 AM	14	14			
1 AM - 2 AM	12	13			
2 AM - 3 AM	12	15			
3 AM - 4 AM	7	7			
4 AM - 5 AM	7	8			
5 AM - 6 AM	5	5			
6 AM - 7 AM	52	69			
7AM - 8 AM	136	200			
8 AM - 9 AM	143	244			
9 AM - 10 AM	164	243			
10 AM - 11 AM	166	264			
11 AM - 12 PM	180	278			

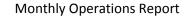
Time	RR	RR
of Day	Events	Assists
12 PM - 1 PM	166	277
1 PM - 2 PM	174	306
2 PM - 3 PM	206	412
3 PM - 4 PM	190	403
4 PM - 5 PM	192	348
5 PM - 6 PM	161	251
6 PM - 7 PM	84	105
7 PM - 8 PM	43	67
8 PM - 9 PM	32	55
9 PM - 10 PM	15	21
10 PM - 11 PM	17	18
11 PM - 12 AM	19	22
Totals	2197	3645





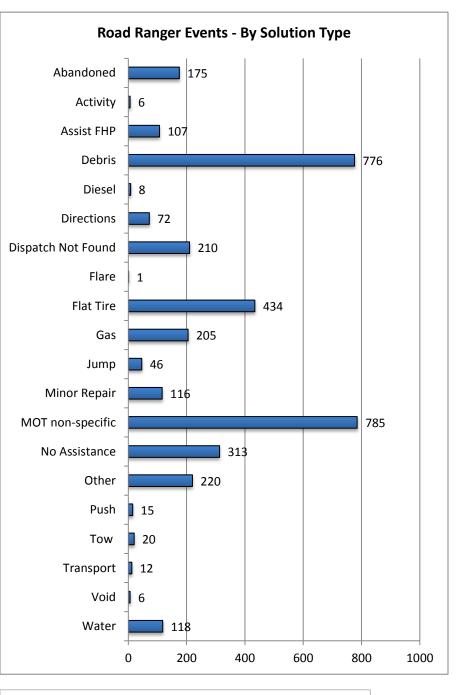
23. Road Ranger Events -	
By Solution Type:	
Problem Type	# of Assists
Abandoned	175
Absorbant	0
Activity	6
Assist FHP	107
Bleach	0
Cold Patch Asphalt	0
Debris	776
Deploy Cones	0
Diesel	8
Directions	72
Dispatch Not Found	210
Flare	1
Flat Tire	434
Flood Lamp	0
Gas	205
Jump	46
Livestock	0
Lockout	0
Minor Repair	116
Miscellaneous	0
MOT non-specific	785
No Assistance	313
Oil	0
Other	220
Phone	0
Portland Cement	0
Push	15
Radio	0
Tow	20
Translate	0
Transmission Fluid	0
Transport	12
Turbo Flare	0
Unsuccessful Repair	0
Void	6
Water	118
Wildlife	0
Total Assist Activities	3645

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