



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

July 2020

This report contains statistical and operational data for TMC activities from the period of July 01, 2020 to July 31, 2020.

Executive Summary

TOTAL INCIDENTS		TOTAL SECONDARY INCIDENTS		TOTAL MULTI-VEHICLE INCIDENTS	
The total number of incidents during the period. *		Crashes that occur within the original incident scene or resulting queue.		The total number of multi-vehicle incidents during the period.	
Previous	Current	Previous	Current	Previous	Current
June	July	June	July	June	July
2,489	2,743	3	1	76	113

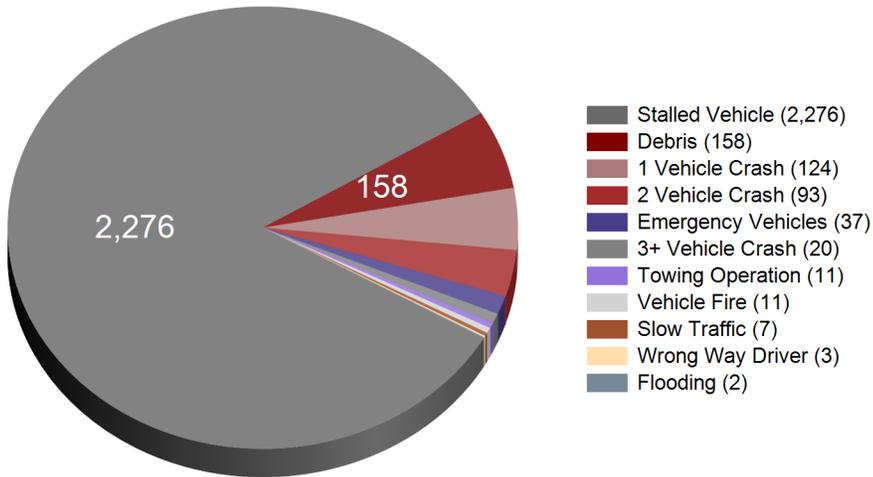
LANE BLOCKAGE INCIDENTS		AVERAGE CLEARANCE TIME		TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents which resulted in at least one blocked lane of travel.*		The average time for all lanes to be cleared after a crash.		The total number of incidents Highway Helper responded to during the period.	
Previous	Current	Previous	Current	Previous	Current
June	July	June	July	June	July
271	224	1 hr 29 m	1 hr 30 m	1,206	1,395

* - excludes roadwork

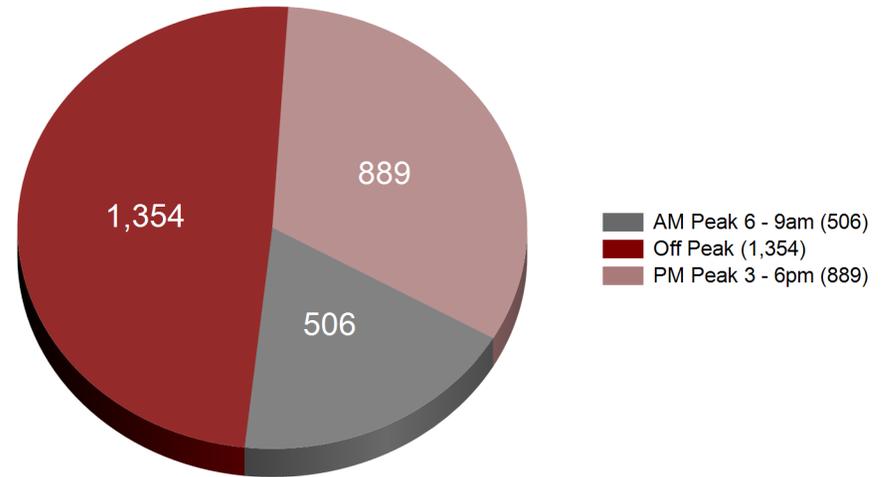
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

The term 'Avg Impact' is used throughout this report to indicate mainline closure times (excludes shoulder/ramp closure).

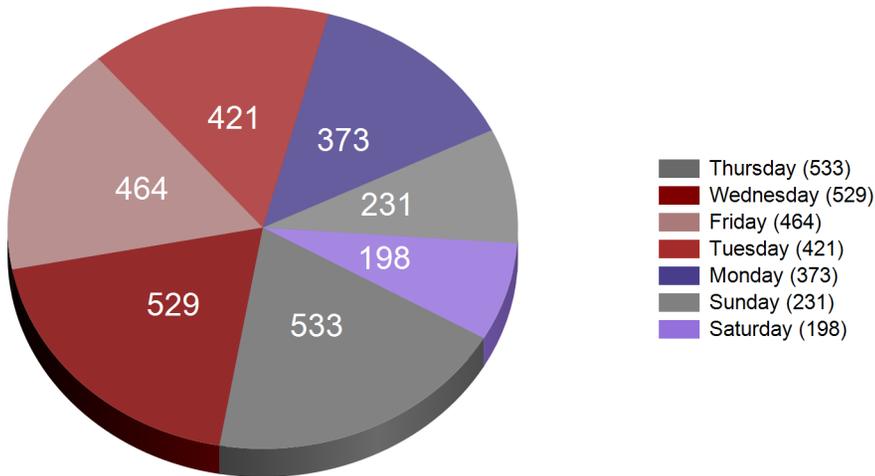
Incidents By Type



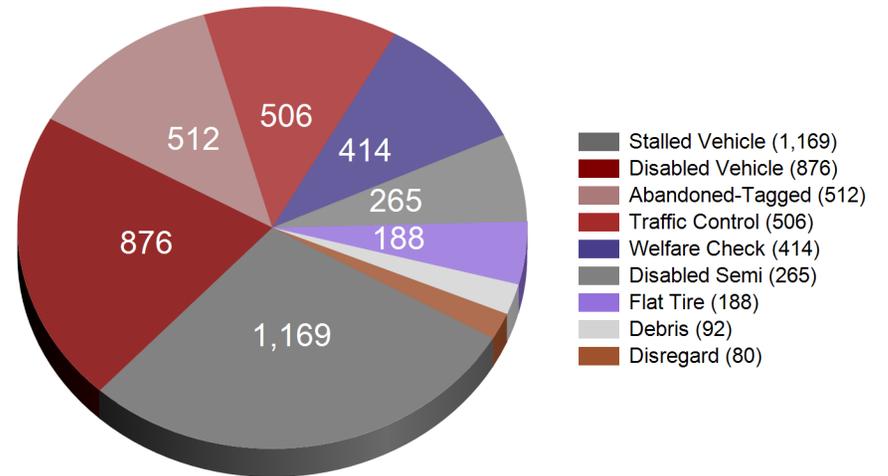
Incidents By Shift



Incidents By Day



Highway Helper Response

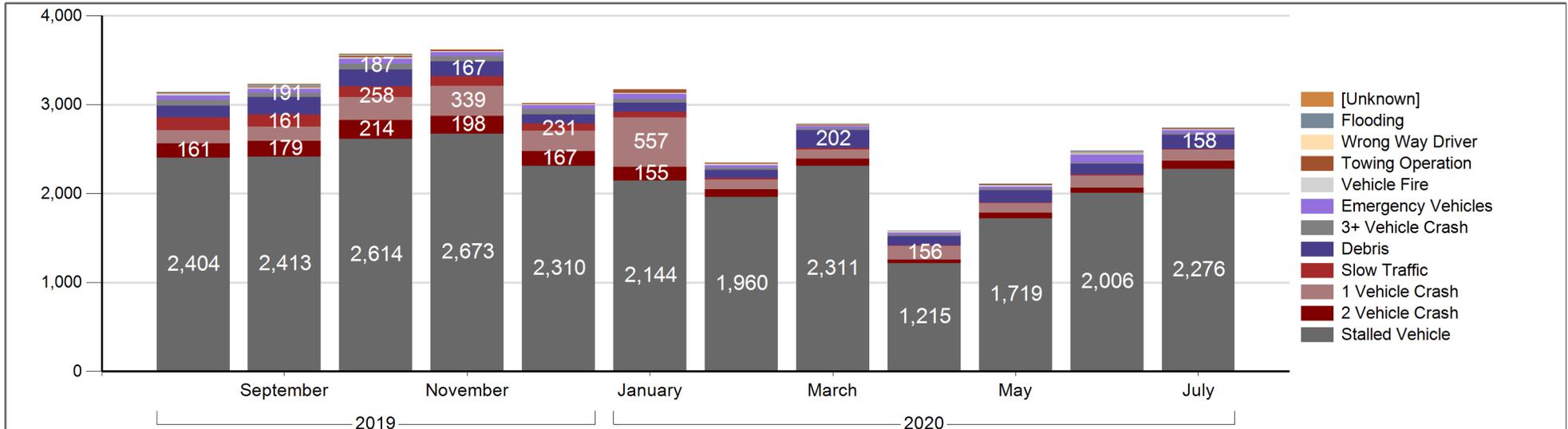


INCIDENT TOTALS BY TYPE

The total number of incidents (an event on the roadway which affects or can affect normal traffic flow) during a given period.

Type	Total	%	Avg Impact	District 1*	District 2	District 3	District 4*	District 5	District 6*
Stalled Vehicle	2,276	83%	1 hr 11 m	975	38	37	297	70	802
Debris	158	6%	30 min	49	10	7	29	9	54
1 Vehicle Crash	124	5%	1 hr 21 m	40	3	8	21	11	41
2 Vehicle Crash	93	3%	1 hr 31 m	40	1	3	10	10	28
Emergency Vehicles	37	1%	3 hr 21 m	16	2	6	3	2	7
3+ Vehicle Crash	20	0.73%	1 hr 30 m	10	1	1	2	1	5
Towing Operation	11	0.40%	5 hr 5 m	3	0	0	1	1	6
Vehicle Fire	11	0.40%	2 hr 17 m	5	0	0	3	1	2
Slow Traffic	7	0.26%		3	0	0	2	0	2
Wrong Way Driver	3	0.11%	1 hr 1 m	0	0	0	0	0	3
Flooding	2	0.07%	1 hr 11 m	1	0	0	0	0	1
Grass Fire	1	0.04%		0	0	0	0	0	1
Total	2,743	100%	1 hr 43 m	1,142	55	62	368	105	952

* - Totals include Highway Helper Incidents

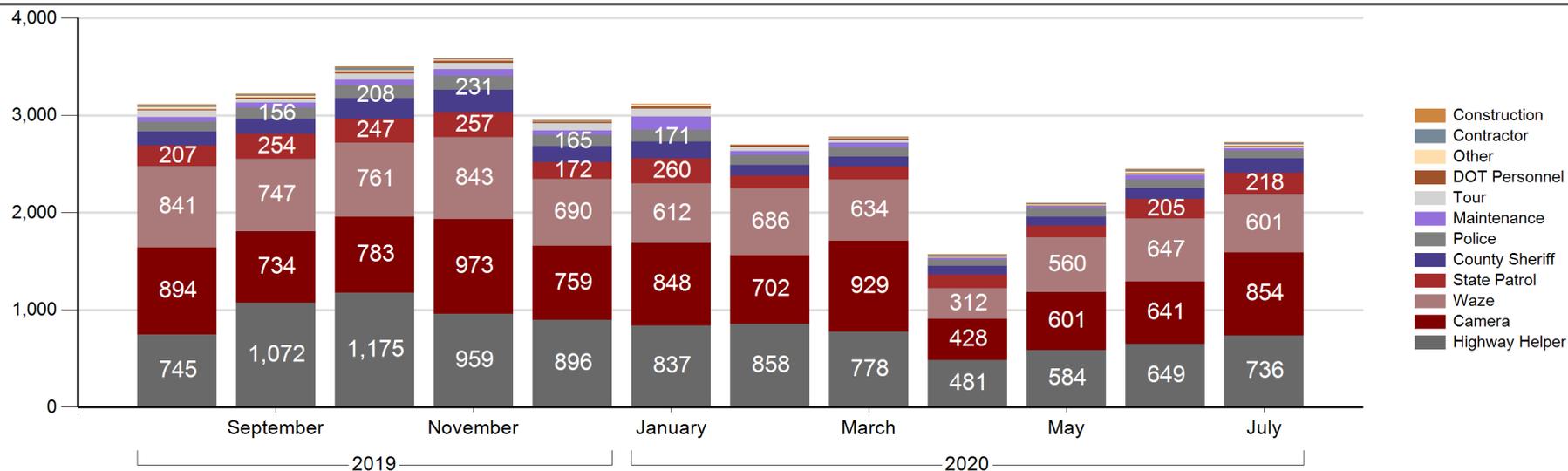


INCIDENT TOTALS BY DETECTION TYPE

The total number of incidents (an event on the roadway which affects or can affect normal traffic flow) during a given period.

Type	Total	%	District 1*	District 2	District 3	District 4*	District 5	District 6*
Camera	854	31%	381	11	24	96	42	256
Highway Helper	736	27%	256	0	0	125	8	347
Waze	601	22%	280	26	13	82	17	172
State Patrol	218	8%	99	8	2	32	9	66
County Sheriff	148	5%	33	8	17	17	15	57
Police	78	3%	40	0	2	6	0	30
Other	34	1%	20	0	1	3	1	9
Maintenance	26	0.95%	4	2	0	3	6	11
Contractor	19	0.69%	18	0	0	0	0	1
DOT Personnel	12	0.44%	3	0	2	2	3	2
Tour	10	0.36%	5	0	0	1	3	0
Construction	7	0.26%	3	0	1	1	1	1
Total	2,743	100%	1,142	55	62	368	105	952

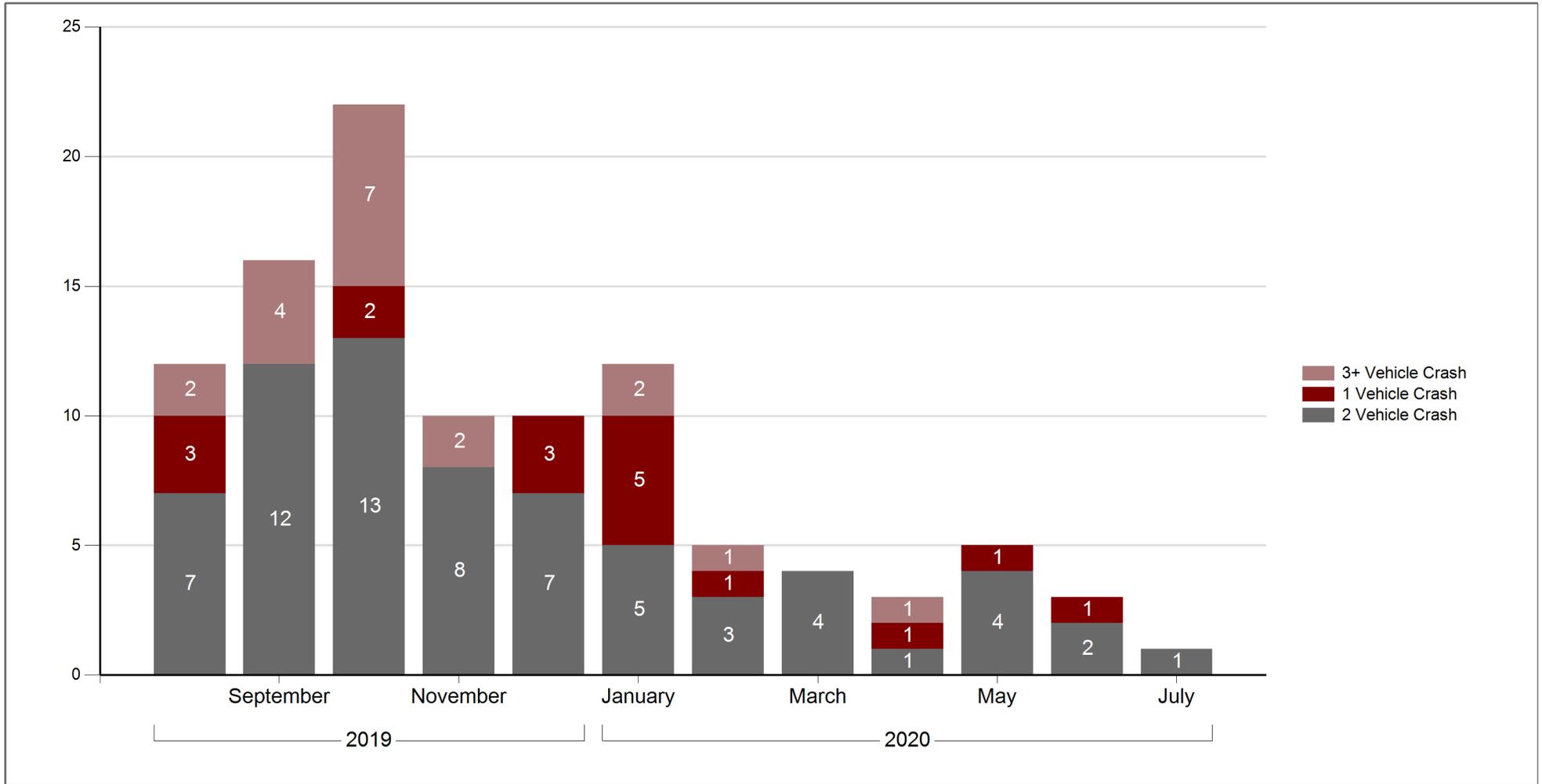
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

Crashes that occur within the original incident scene or resulting queue.

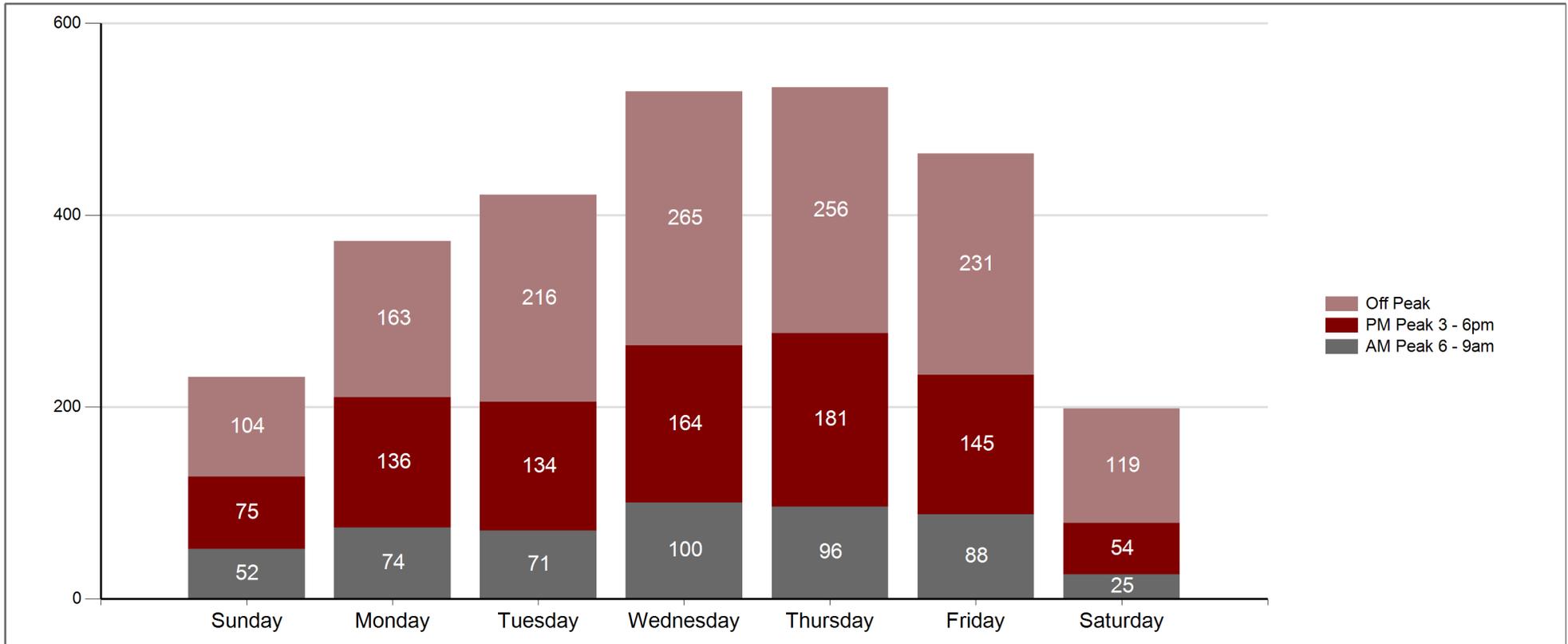
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	1	100%		0	0	0	0	0	1
Total	1	100%		0	0	0	0	0	1



INCIDENTS BY DAY OF WEEK

The total number of incidents (an event on the roadway which affects or can affect normal traffic flow) during a given period.

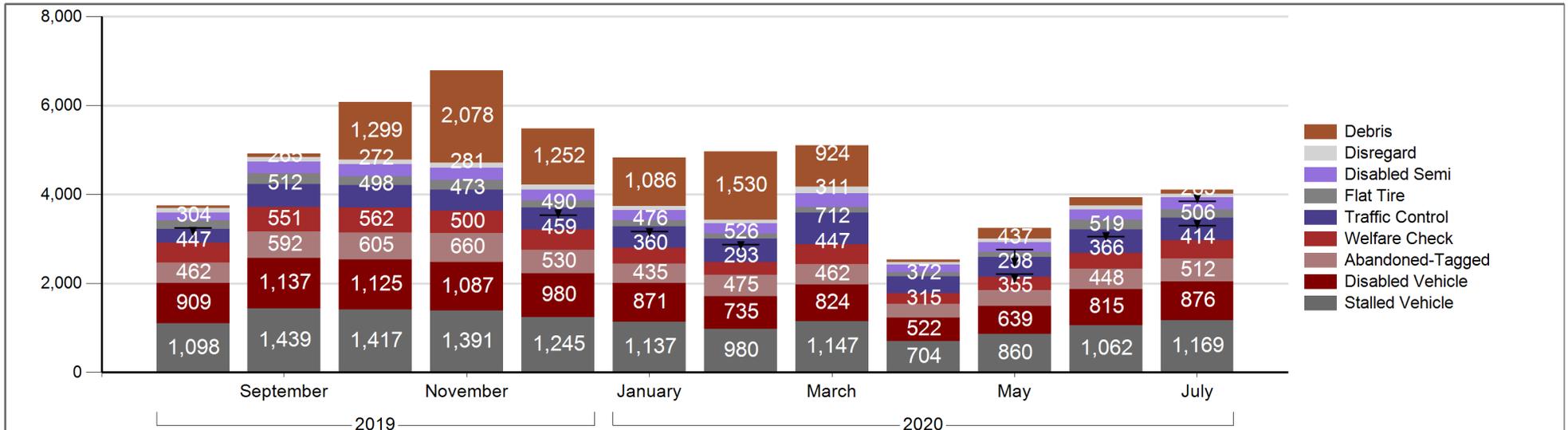
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Thursday	533	19%	1 hr 53 m	221	14	12	56	24	194
Wednesday	529	19%	1 hr 44 m	235	6	11	66	19	183
Friday	464	17%	1 hr 2 m	186	11	7	76	13	165
Tuesday	421	15%	1 hr 51 m	176	10	10	52	18	142
Monday	373	14%	1 hr 33 m	144	2	4	47	15	155
Sunday	231	8%	1 hr 55 m	85	10	10	40	9	65
Saturday	198	7%	2 hr 9 m	96	3	8	32	7	50
Total	2,749	100%	1 hr 53 m	1,143	56	62	369	105	954



HIGHWAY HELPER RESPONSES

The total number of incidents Highway Helper responded to during the period.

Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City	Davenport
Stalled Vehicle	1,169	26%	1 hr 25 m		516	153	263	237
Disabled Vehicle	876	20%	1 hr 43 m		409	109	196	162
Traffic Control	525	12%	49 min		247	63	129	86
Abandoned-Tagged	516	12%	30 min		288	61	100	67
Welfare Check	417	9%	25 min		157	66	88	106
Disabled Semi	265	6%	42 min		98	38	61	68
Flat Tire	188	4%	14 min		69	21	53	45
Disregard	99	2%	3 hr 54 m		52	11	25	11
Debris	92	2%	26 min		40	18	25	9
Fuel	69	2%	1 hr 5 m		29	13	16	11
2 Vehicle Crash	39	0.88%	51 min		22	4	7	6
1 Vehicle Crash	35	0.79%	1 hr 11 m		13	3	12	7
Total	4,290	100%	1 hr 7 m		1,940	560	975	815



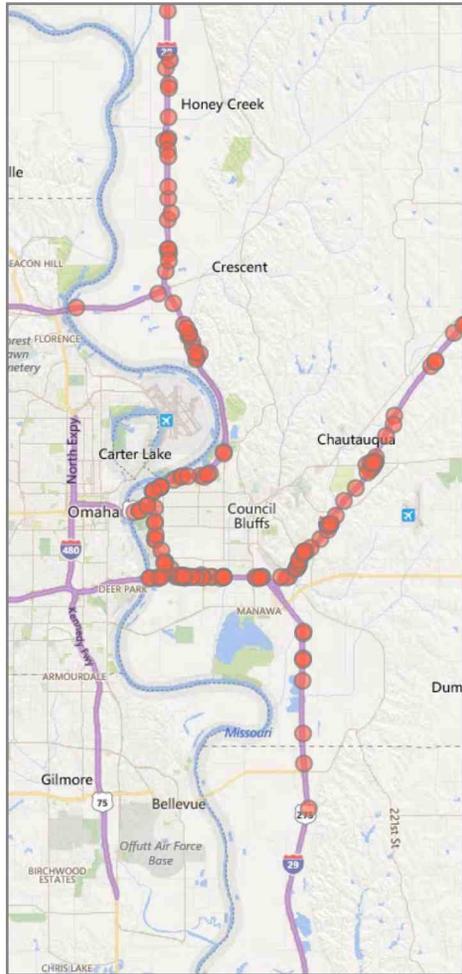
HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

DES MOINES



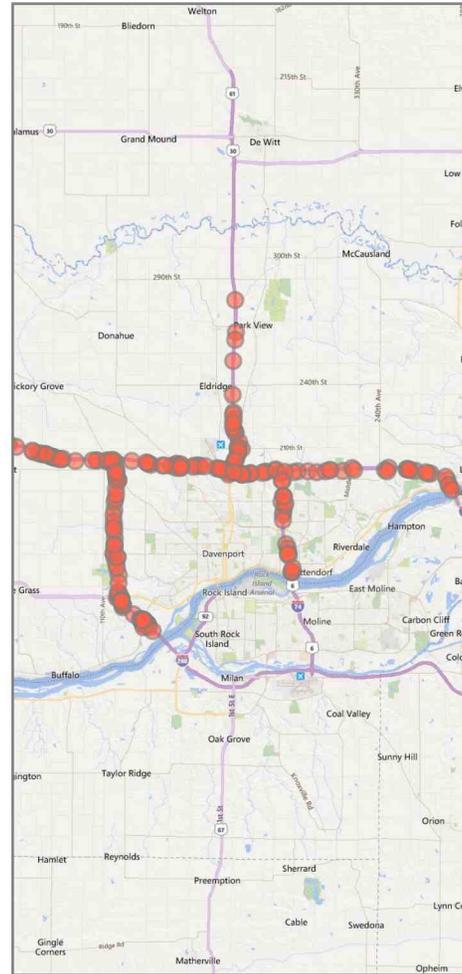
COUNCIL BLUFFS



CEDAR RAPIDS / IOWA CITY



DAVENPORT

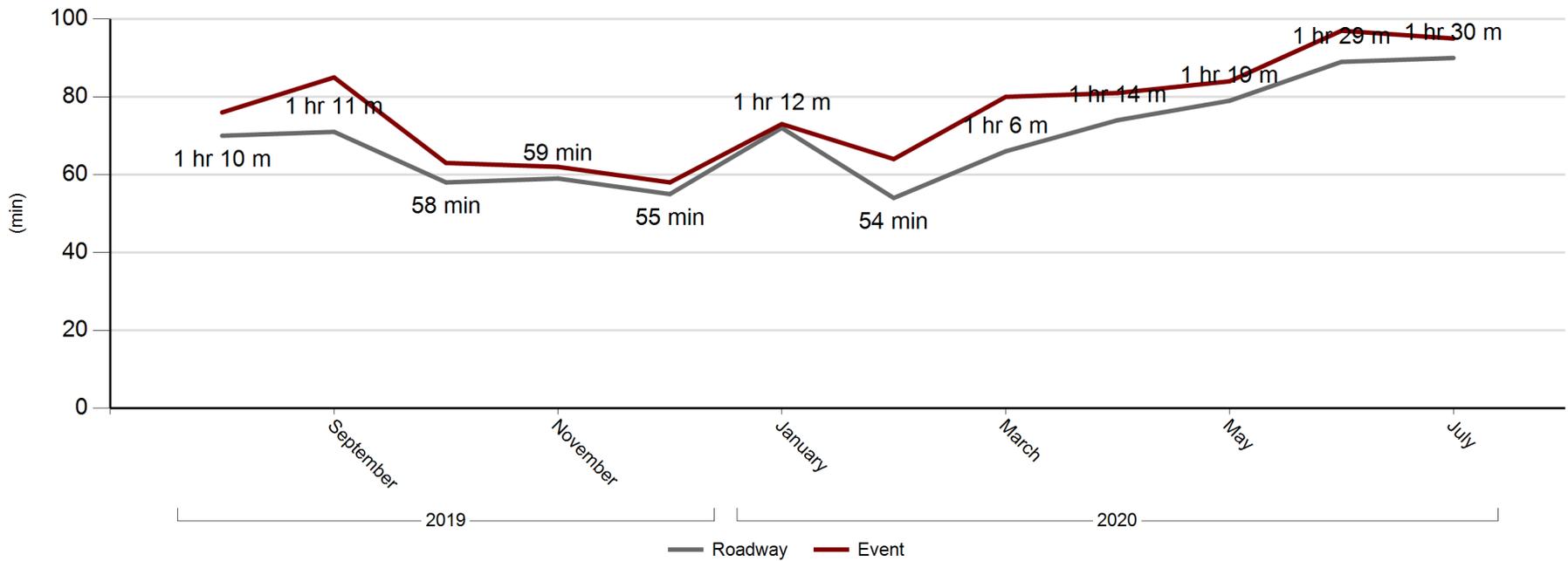


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

Event : All Responders Departed / Roadway : All Lanes Re-Opened

	Type	Total	District 1	District 2	District 3	District 4	District 5	District 6
Event	All	1 hr 43 m	1 hr 43 m	1 hr 9 m	2 hr 24 m	2 hr 13 m	1 hr 57 m	1 hr 8 m
	Federal	1 hr 48 m	2 hr 11 m	1 hr 9 m	3 min	1 hr 9 m	1 hr 36 m	2 hr 8 m
	Interstate	1 hr 17 m	59 min		2 hr 8 m	2 hr 7 m	1 hr 49 m	1 hr
	State	3 hr 33 m	5 hr 48 m		3 hr 51 m	4 hr 33 m	2 hr 46 m	55 min
Roadway	All	1 hr 30 m	1 hr 28 m	1 hr 8 m	2 hr 1 m	1 hr 53 m	1 hr 53 m	59 min
	Federal	1 hr 32 m	1 hr 50 m	1 hr 8 m	7 min	1 hr 9 m	1 hr 36 m	1 hr 36 m
	Interstate	1 hr 5 m	47 min		2 hr 7 m	1 hr 44 m	1 hr 14 m	53 min
	State	2 hr 53 m	5 hr 31 m		3 hr 51 m	2 hr 45 m	2 hr 43 m	43 min

All Roads (Interstate / Federal / State)

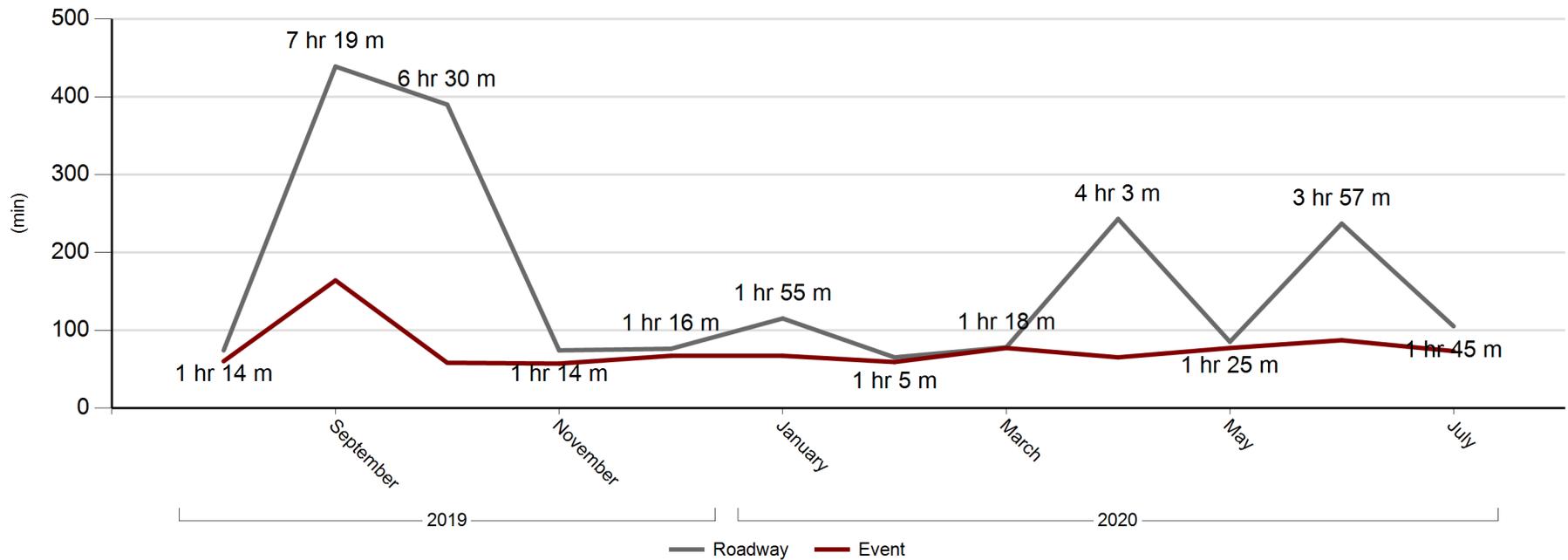


INCIDENT CLEARANCE TIMES (ALL TYPES)

Event : All Responders Departed / Roadway : All Lanes Re-Opened

	Type	Total	District 1	District 2	District 3	District 4	District 5	District 6
Event	All	1 hr 32 m	1 hr 21 m	1 hr 15 m	2 hr 5 m	2 hr 5 m	2 hr 6 m	1 hr 17 m
	Federal	1 hr 47 m	2 hr 5 m	39 min	3 min	1 hr 9 m	2 hr 3 m	1 hr 29 m
	Interstate	1 hr 17 m	54 min		1 hr 33 m	2 hr 11 m	1 hr 49 m	1 hr 17 m
	State	2 hr 24 m	3 hr 53 m	1 hr 52 m	3 hours	1 hr 40 m	2 hr 18 m	55 min
Roadway	All	1 hr 45 m	1 hr 35 m	2 hr 46 m	2 hours	1 hr 50 m	2 hr 6 m	1 hr 38 m
	Federal	2 hr 8 m	3 hr 9 m	38 min	7 min	1 hr 9 m	2 hr 30 m	1 hr 6 m
	Interstate	1 hr 21 m	49 min		1 hr 20 m	1 hr 43 m	1 hr 14 m	1 hr 56 m
	State	2 hr 40 m	5 hr 13 m	3 hr 38 m	2 hr 56 m	2 hr 21 m	1 hr 37 m	47 min

All Roads (Interstate / Federal / State)



INCIDENTS (CLEARANCE TIME DEVIATION)

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
1 Vehicle Crash (Avg Impact : 1 hr 28 m)								
	07/19 08:34 AM	132697	I-80		1	1	7 hr 49 m	Initial report of a single vehicle crash on I-80 EB at MM 80 (near Casey).
	07/04 08:08 AM	131367	US-69		1		3 hr 7 m	Initial report of a single vehicle crash on US-69 NB at MM 84 in Des Moines.
	07/16 05:42 PM	132530	I-80	1		1	3 hr 51 m	Initial report of a single vehicle crash on I-80 EB at MM 24 (near Neola).
	07/23 08:29 PM	133057	IA-376		1		6 hr 58 m	Initial report of a single vehicle crash on IA-376 NB/SB at MM 96 in Sioux City.
2 Vehicle Crash (Avg Impact : 1 hr 31 m)								
	07/21 06:11 PM	132872	IA-2			1	4 hr 14 m	Initial report of a 2 vehicle crash on IA-2 EB at MM 123 in Leon.
	07/25 02:15 AM	133157	IA-17	1		1	14 hr 44 m	Initial report of a 2 vehicle crash on IA-17 at MM 40 (near Stanhope).
	07/28 01:55 PM	133426	US-218		1	2	4 hr 1 m	Initial report of a 3+ vehicle crash on US-218 NB at MM 29 (near Houghton).
3+ Vehicle Crash (Avg Impact : 1 hr 30 m)								
	07/19 08:14 PM	132725	IA-44		5		4 hr 33 m	Initial report of a 3+ vehicle crash on IA-44 WB at MM 91 (near Dallas Center).
	07/18 07:38 PM	132671	US-69		3		3 hr 48 m	Initial report of a 3+ vehicle crash on US-69 NB at MM 83 in Des Moines.
Emergency Vehicles (Avg Impact : 3 hr 21 m)								
	07/22 10:42 AM	132909	US-69				1 day 4 hr 40 m	Initial report of an emergency vehicles event on US-69 SB at MM 86 in Des Moines.
Stalled Vehicle (Avg Impact : 1 hr 13 m)								
	07/07 02:40 PM	131626	I-380				1 day 4 hr 13 m	Initial report of a stalled vehicle on I-380 SB at MM 8 (near Shueyville).
Vehicle Fire (Avg Impact : 2 hr 17 m)								
	07/24 01:39 PM	133107	I-29			1	5 hr 35 m	Initial report of a vehicle fire on I-29 NB at MM 89 (near Mondamin).
	07/08 03:10 PM	131747	US-34			1	7 hr 24 m	Initial report of a vehicle fire on US-34 EB at MM 219 (near Lockridge).

SECONDARY INCIDENTS

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
Vehicle Fire								
Primary	07/06 10:31 AM	131506	I-380			1	9 hr 18 m	Initial report of a vehicle fire on I-380 SB at MM 38 (near Center Point).
**	07/06 12:24 PM	131514	I-380		1	1	45 min	Initial report of a 2 vehicle crash on I-380 SB at MM 39 (near Center Point).