



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

December 2019

This report contains statistical and operational data for TMC activities from the period of December 01, 2019 to December 31, 2019.

Executive Summary

TOTAL INCIDENTS	
The total number of incidents during the period. *	
Previous	Current
November	December
3,625	3,013

TOTAL SECONDARY INCIDENTS	
Crashes that occur within the original incident scene or resulting queue.	
Previous	Current
November	December
10	10

TOTAL MULTI-VEHICLE INCIDENTS	
The total number of multi-vehicle incidents during the period.	
Previous	Current
November	December
255	221

LANE BLOCKAGE INCIDENTS	
The total number of incidents which resulted in at least one blocked lane of travel.*	
Previous	Current
November	December
358	277

AVERAGE CLEARANCE TIME	
The average time for all lanes to be cleared after a crash.	
Previous	Current
November	December
59 min	55 min

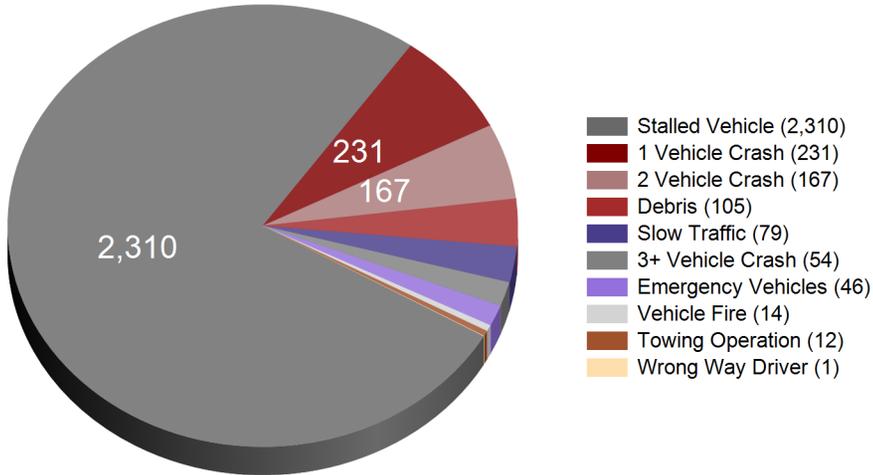
TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents Highway Helper responded to during the period.	
Previous	Current
November	December
1,603	1,457

* - excludes roadwork

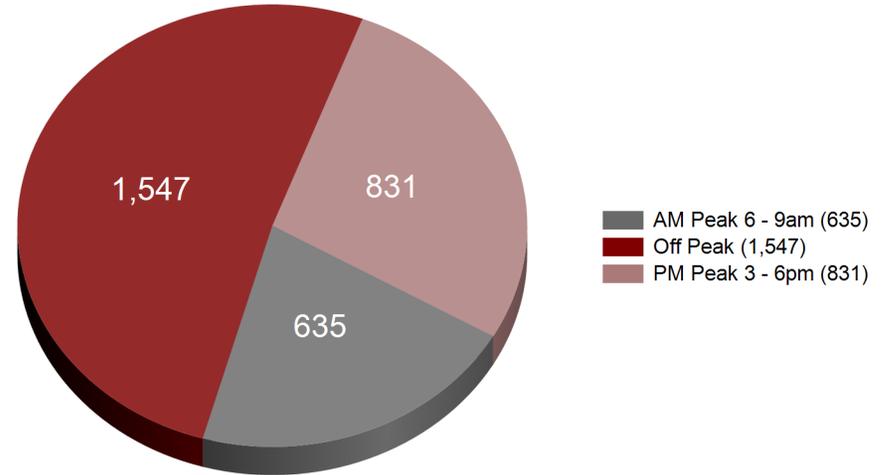
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

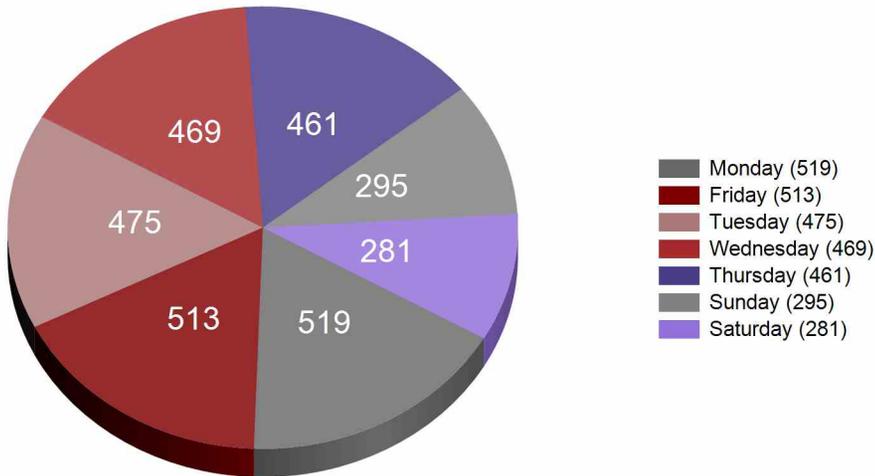
Incidents By Type



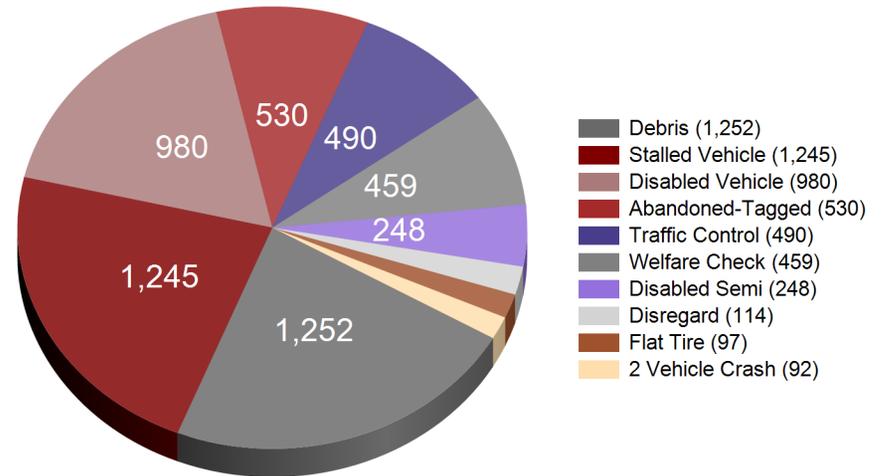
Incidents By Shift



Incidents By Day



Highway Helper Response

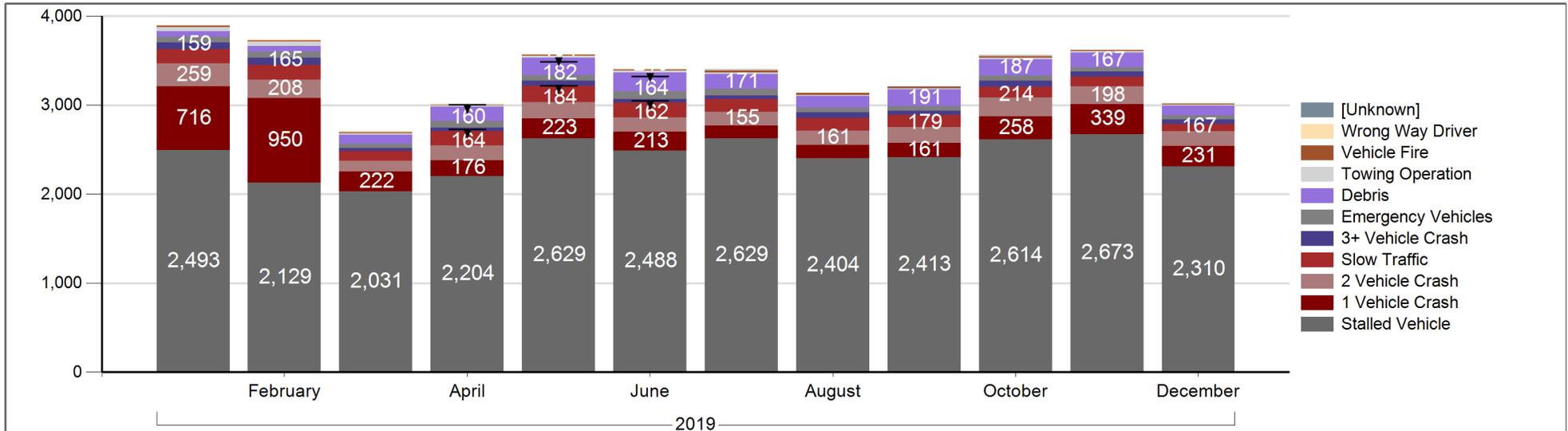


INCIDENT TOTALS BY TYPE

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	2,310	77%	26 min	1,049	57	40	309	54	746
1 Vehicle Crash	231	8%	1 hr 9 m	92	18	12	36	15	57
2 Vehicle Crash	167	6%	43 min	66	5	4	19	4	69
Debris	105	3%	20 min	41	7	9	11	7	30
Slow Traffic	79	3%	2 min	52	0	2	6	2	17
3+ Vehicle Crash	54	2%	57 min	27	2	2	6	1	16
Emergency Vehicles	46	2%	3 hr 21 m	7	7	7	8	4	11
Vehicle Fire	14	0%	1 hr 51 m	6	0	0	4	0	4
Towing Operation	12	0%	5 hr 2 m	2	0	0	5	0	5
Wrong Way Driver	1	0%		1	0	0	0	0	0
Total	3,019	100%	1 hr 16 m	1,343	96	76	404	87	955

* - Totals include Highway Helper Incidents

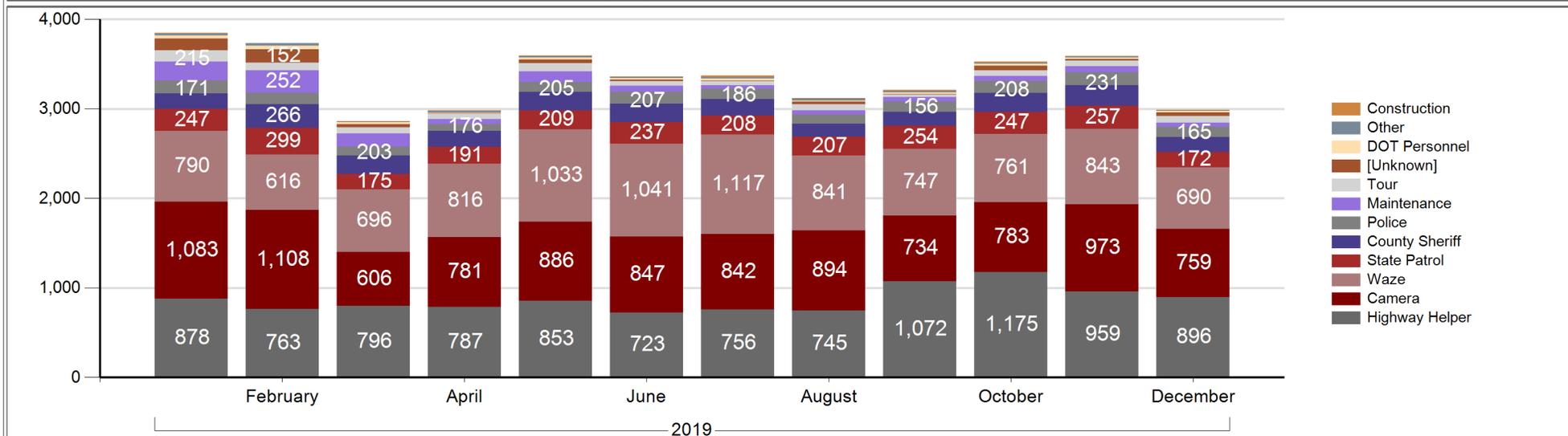


INCIDENT TOTALS BY DETECTION TYPE

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*
Highway Helper	896	30%	342	0	0	155	11	382
Camera	759	25%	391	30	17	81	22	192
Waze	690	23%	329	28	22	78	18	201
State Patrol	172	6%	74	13	2	35	7	40
County Sheriff	165	5%	33	16	18	22	17	59
Police	115	4%	75	5	4	5	2	24
Tour	75	2%	34	1	4	5	2	19
Other	72	2%	37	0	2	15	3	15
Maintenance	45	1%	14	3	7	3	2	16
DOT Personnel	19	1%	10	0	0	3	1	5
Construction	5	0%	2	0	0	1	2	0
Total	3,013	100%	1,341	96	76	403	87	953

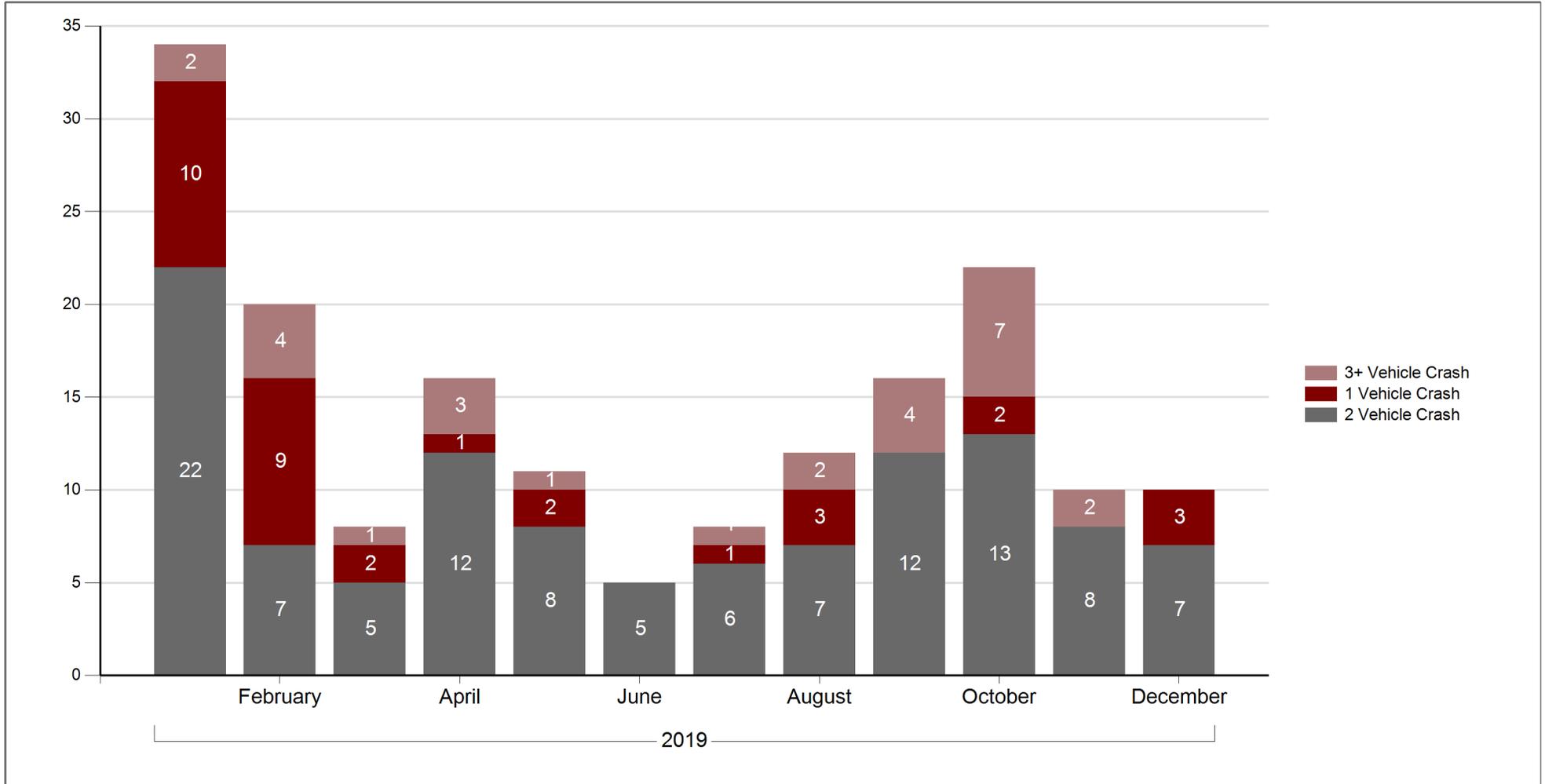
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

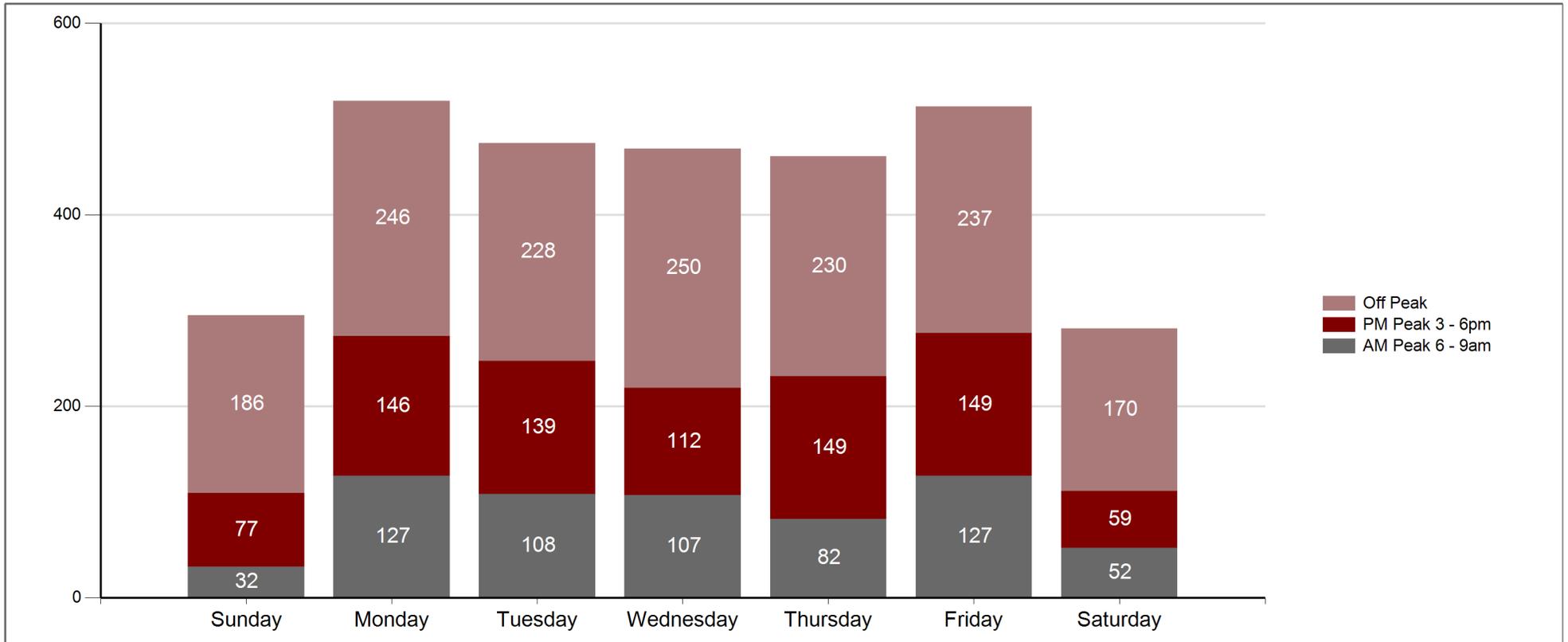
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	7	70%	6 min	4	0	0	1	0	2
1 Vehicle Crash	3	30%	1 hr 3 m	0	0	0	2	1	0
Total	10	100%	25 min	4	0	0	3	1	2



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.

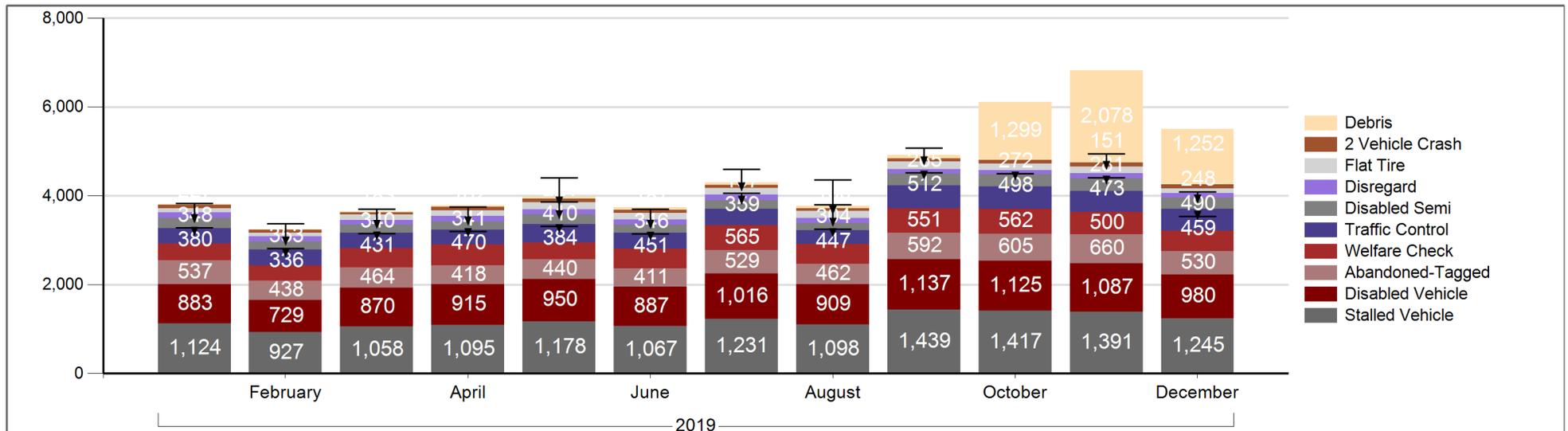
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Monday	519	17%	1 hr 2 m	261	17	12	56	11	157
Friday	513	17%	1 hr 8 m	202	17	11	101	18	158
Tuesday	475	16%	1 hr 36 m	213	9	16	67	10	149
Wednesday	469	16%	52 min	190	16	7	57	6	182
Thursday	461	15%	35 min	215	15	8	51	20	136
Sunday	295	10%	3 hours	130	11	13	34	16	87
Saturday	281	9%	57 min	130	11	9	37	6	84
Total	3,013	100%	1 hr 2 m	1,341	96	76	403	87	953



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
Debris	1,252	21%	29 min		516	118	455	162
Stalled Vehicle	1,245	21%	26 min		560	184	328	138
Disabled Vehicle	980	16%	27 min		469	144	235	100
Abandoned-Tagged	534	9%	24 min		285	63	106	57
Traffic Control	533	9%	38 min		224	58	171	70
Welfare Check	460	8%	37 min		179	69	154	46
Disabled Semi	248	4%	25 min		84	39	90	33
Flat Tire	159	3%	1 hr		73	27	38	18
Disregard	138	2%	18 min		78	18	23	15
Fuel	125	2%	24 min		59	25	26	12
2 Vehicle Crash	92	2%	37 min		39	8	34	11
1 Vehicle Crash	44	1%	48 min		23	3	11	7
Total	5,810	100%	38 min		2,589	756	1,671	669



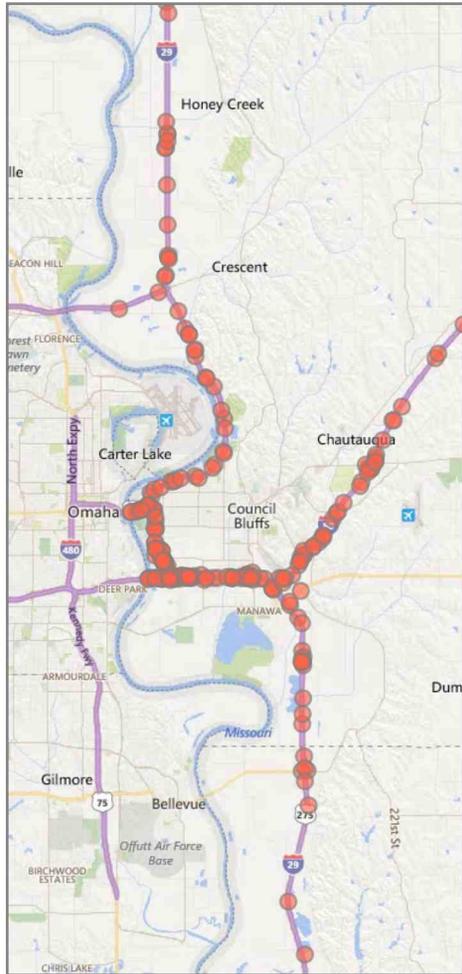
HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

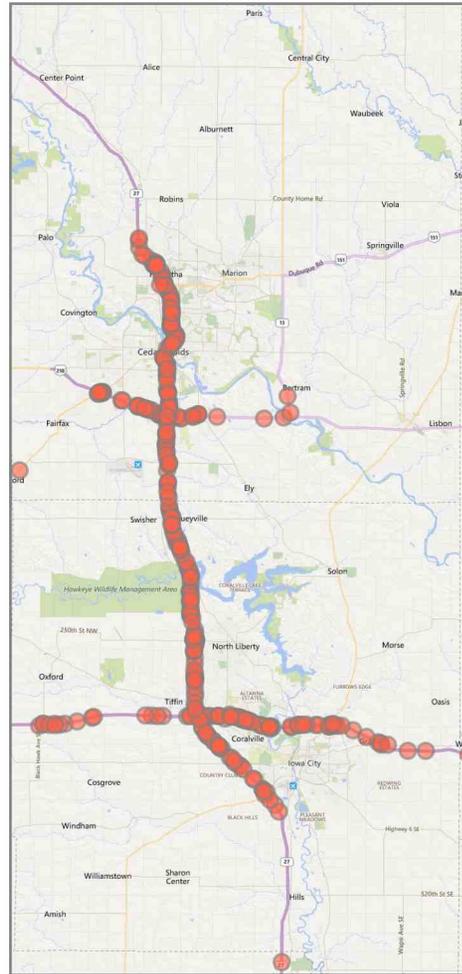
DES MOINES



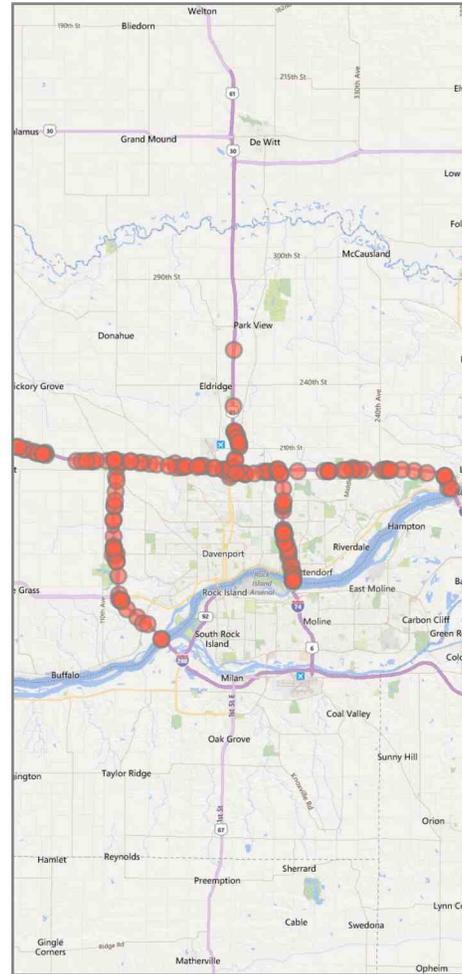
COUNCIL BLUFFS



CEDAR RAPIDS / IOWA CITY



DAVENPORT

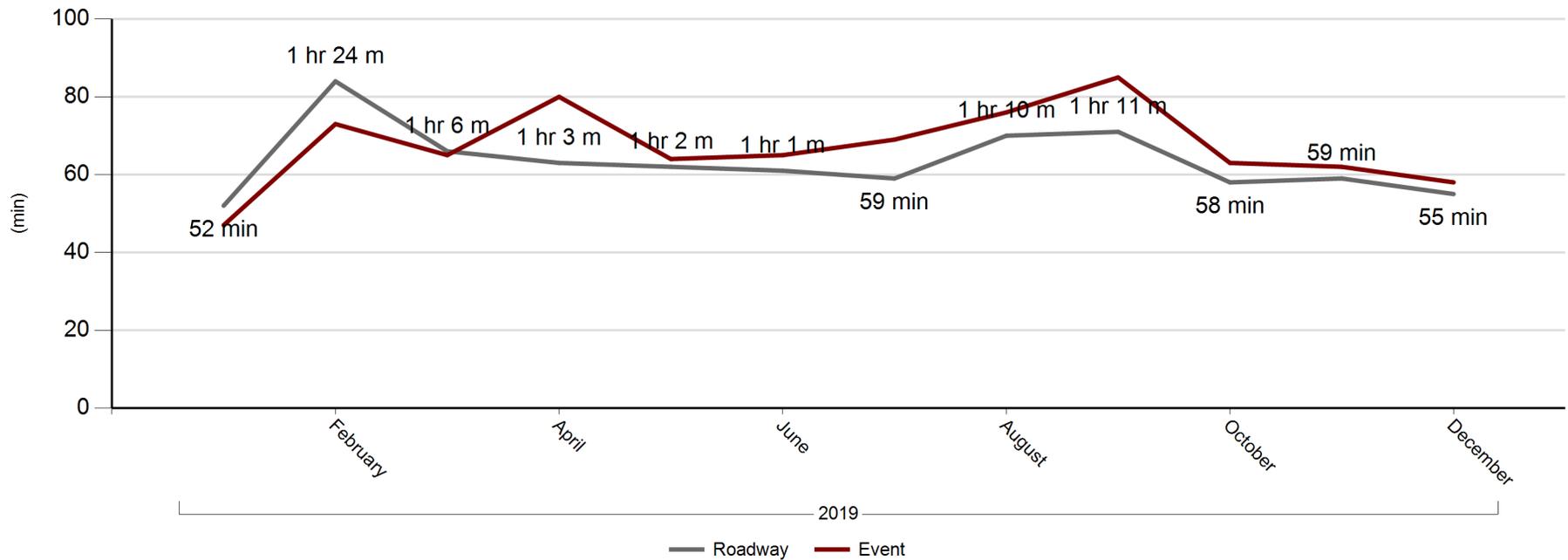


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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 7 m	1 hr 1 m	1 hr 9 m	1 hr 6 m	1 hr 40 m	2 hr 20 m	52 min
	Federal	1 hr 23 m	1 hr 22 m	1 hr 37 m	41 min	2 hr 22 m	2 hr 49 m	43 min
	Interstate	1 hr 4 m	1 hr	1 hr 20 m	46 min	1 hr 34 m	1 hr 8 m	57 min
	State	56 min	47 min	39 min	2 hr 13 m			41 min
Roadway	All	55 min	47 min	1 hr 14 m	1 hr 8 m	1 hr 14 m	1 hr 57 m	43 min
	Federal	1 hr 12 m	1 hr 13 m	53 min	1 hr 14 m	1 hr 47 m	2 hr 35 m	37 min
	Interstate	49 min	43 min	1 hr 36 m	40 min	1 hr 8 m	21 min	48 min
	State	53 min	43 min	58 min	2 hr 12 m			33 min

All Roads (Interstate / Federal / State)

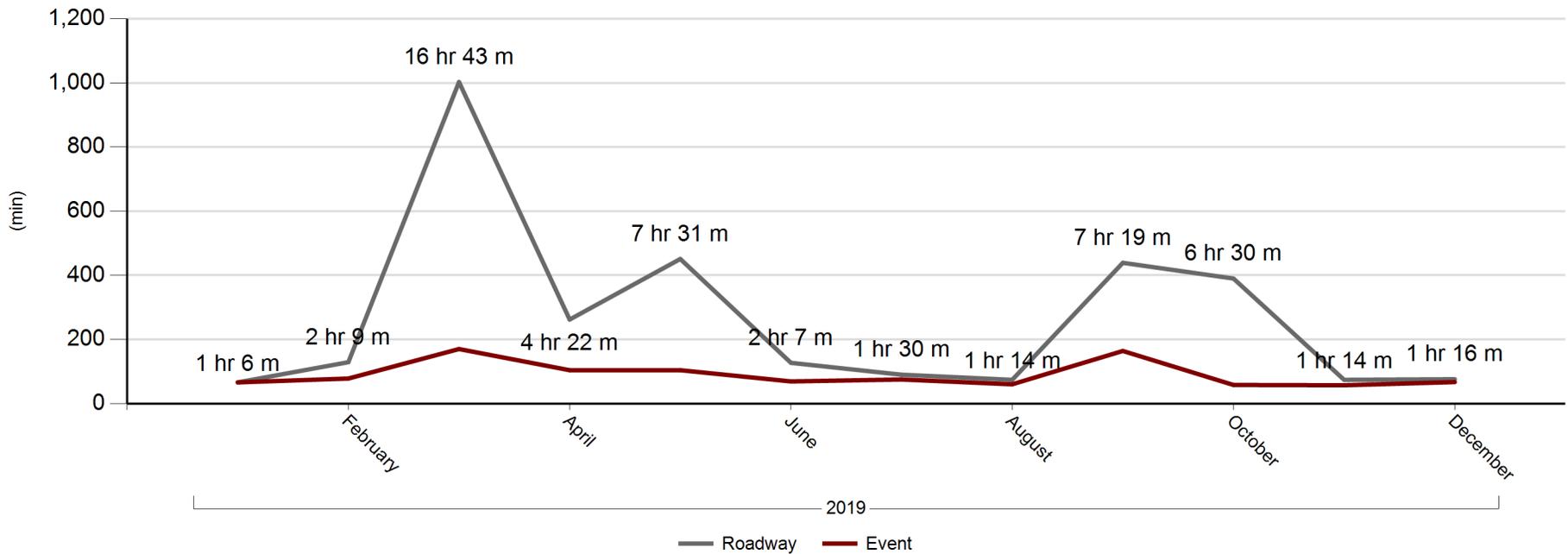


INCIDENT CLEARANCE TIMES (ALL TYPES)

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 27 m	1 hr 39 m	2 hr 5 m	1 hr 1 m	1 hr 35 m	1 hr 55 m	1 hr
	Federal	1 hr 17 m	1 hr 8 m	1 hr 36 m	41 min	1 hr 24 m	2 hr 25 m	59 min
	Interstate	1 hr 30 m	1 hr 48 m	1 hr 1 m	46 min	1 hr 37 m	1 hr 8 m	1 hr 4 m
	State	1 hr 19 m	47 min	3 hr 51 m	1 hr 34 m	1 hr 27 m	1 hr 15 m	33 min
Roadway	All	1 hr 16 m	41 min	2 hr 7 m	4 hr 16 m	1 hr 24 m	1 hr 31 m	1 hr 6 m
	Federal	2 hr 5 m	57 min	42 min	12 hr 3 m	1 hr 44 m	1 hr 55 m	43 min
	Interstate	59 min	39 min	1 hr 9 m	40 min	1 hr 21 m	21 min	1 hr 21 m
	State	1 hr 30 m	43 min	4 hr 1 m	1 hr 24 m	1 hr 26 m	1 hr 15 m	29 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 10 m)								
	12/13 02:14 PM	113898	US-20			1	2 hr 42 m	Initial report of a single vehicle crash on US-20 EB at MM 106 (near Knierim).
	12/07 02:41 AM	113144	I-235				4 hr 15 m	Initial report of a single vehicle crash on I-235 EB at MM 5 in Des Moines.
	12/18 02:40 PM	114509	I-29	1	2		3 hr 26 m	Initial report of a single vehicle crash on I-29 SB at MM 54 in Council Bluffs.
	12/13 03:16 AM	113815	US-63			1	10 hr 11 m	Initial report of a single semi crash on US-63 NB at MM 49 (near Chillicothe).
	12/02 08:17 AM	112518	IA-376	1			3 hr 33 m	Initial report of a single vehicle crash on IA-376 NB at MM 93 in Sioux City.
2 Vehicle Crash (Avg Impact : 50 min)								
	12/30 06:08 PM	115609	IA-38	1	1		2 hr 46 m	Initial report of a 2 vehicle crash on IA-38 SB at MM 20 (near Tipton).
	12/30 11:36 AM	115558	US-71	1		1	4 hr 29 m	Initial report of a 2 vehicle crash on US-71 NB at MM 202 (near Spencer).
	12/22 01:23 AM	114899	I-80		1	1	3 hr 3 m	Initial report of a 2 vehicle crash on I-80 WB at MM 156 (near Colfax).
	12/21 08:22 PM	114894	US-30	1			3 hr 7 m	Initial report of a 2 vehicle crash on US-30 WB at MM 181 (near Haverhill).
	12/29 02:50 AM	115437	I-80		1	1	2 hr 58 m	Initial report of a 2 vehicle crash on I-80 WB at MM 131 in Urbandale.
	12/07 11:10 PM	113214	I-29		1		4 hr 17 m	Initial report of a 2 vehicle crash on I-29 NB at MM 55 in Council Bluffs.
	12/11 08:36 AM	113605	I-280	1		1	4 hours	Initial report of a 2 vehicle crash on I-280 EB at MM 5 in Davenport.
3+ Vehicle Crash (Avg Impact : 1 hr 8 m)								
	12/11 09:58 AM	113623	I-35			1	2 hr 40 m	Initial report of a 3+ vehicle crash on I-35 NB at MM 196 (near Clear Lake).
	12/09 11:00 AM	113322	I-80		1	3	3 hr 59 m	Initial report of a 3+ vehicle crash on I-80 WB at MM 140 (near Altoona).
	12/23 03:16 PM	115025	US-59		2	2	4 hr 24 m	Initial report of a 3+ vehicle crash on US-59 SB at MM 70 (near Tennant).
	12/31 01:28 PM	115677	US-20			1	6 hr 45 m	Initial report of a 3+ vehicle crash on US-20 EB at MM 131 (near Duncombe).
Emergency Vehicles (Avg Impact : 3 hr 22 m)								
	12/22 07:21 AM	114905	US-59				2 days	Initial report of a broken water main event on US-59 at MM 157 in Cherokee.
Vehicle Fire (Avg Impact : 1 hr 51 m)								
	12/12 07:33 PM	113807	I-80			1	4 hr 18 m	Initial report of a vehicle fire on I-80 EB at MM 48 (near Walnut).
	12/03 08:31 AM	112655	I-29			1	5 hr 34 m	Initial report of a vehicle fire on I-29 SB at MM 65 (near Crescent).