



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

December 2018

This report contains statistical and operational data for TMC activities from the period of December 01, 2018 to December 31, 2018.

Executive Summary

TOTAL INCIDENTS	
The total number of incidents during the period. *	
Previous	Current
November	December
2,724	2,387

TOTAL SECONDARY INCIDENTS	
Crashes that occur within the original incident scene or resulting queue.	
Previous	Current
November	December
10	8

TOTAL MULTI-VEHICLE INCIDENTS	
The total number of multi-vehicle incidents during the period.	
Previous	Current
November	December
248	215

LANE BLOCKAGE INCIDENTS	
The total number of incidents which resulted in at least one blocked lane of travel.*	
Previous	Current
November	December
308	303

AVERAGE CLEARANCE TIME	
The average time for all lanes to be cleared after a crash.	
Previous	Current
November	December
1 hr 3 m	1 hr 12 m

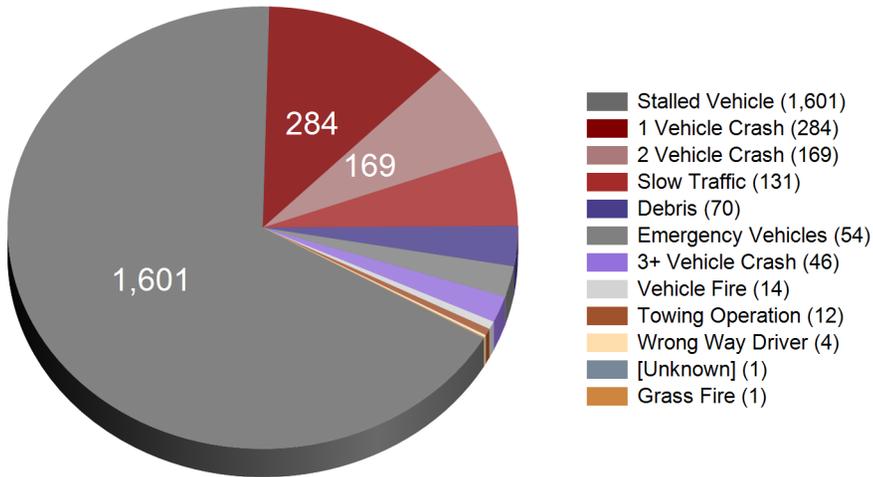
TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents Highway Helper responded to during the period.	
Previous	Current
November	December
1,131	1,006

* - excludes roadwork

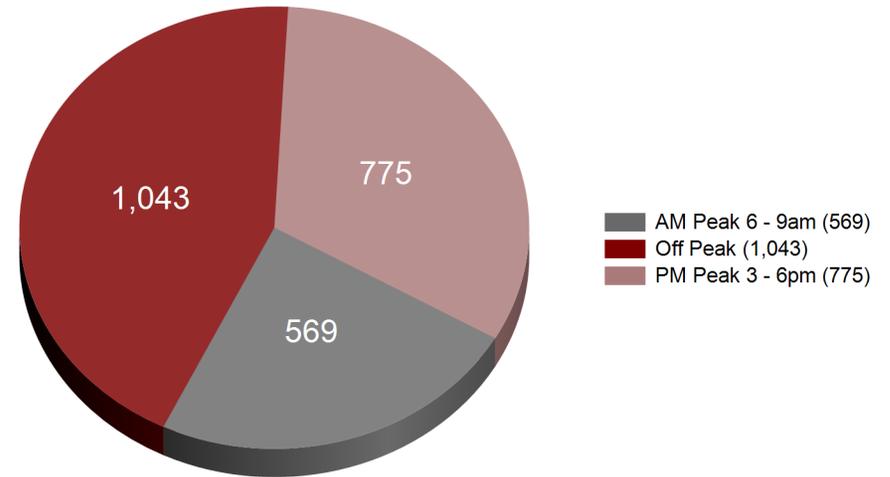
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

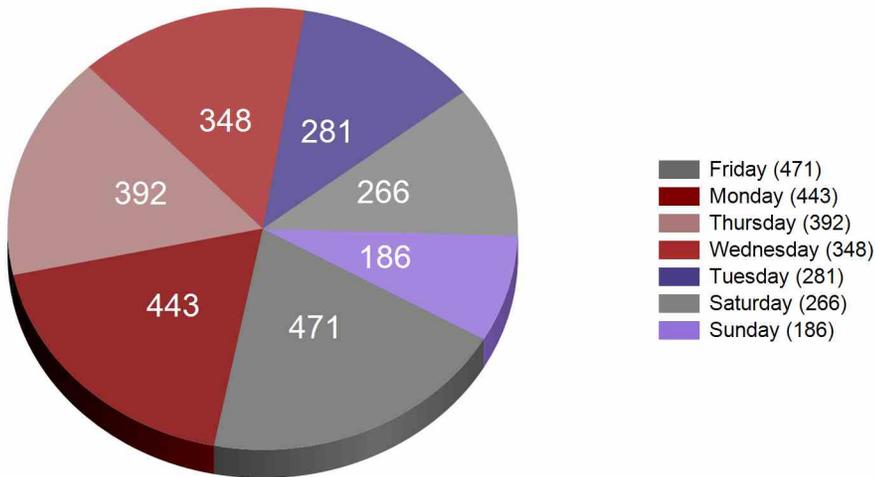
Incidents By Type



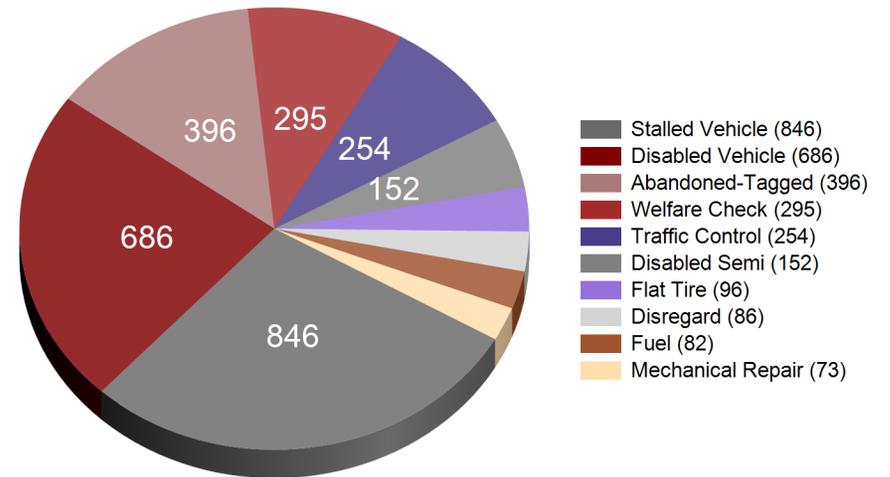
Incidents By Shift



Incidents By Day



Highway Helper Response

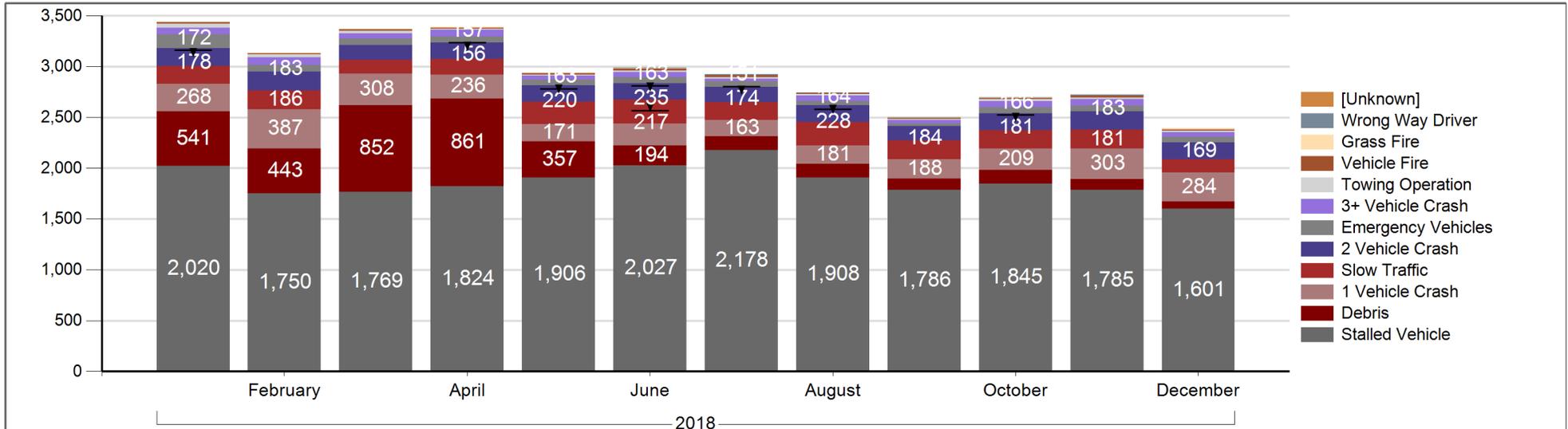


INCIDENT TOTALS BY TYPE

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	1,601	67%	37 min	774	36	21	256	42	472
1 Vehicle Crash	284	12%	1 hr 18 m	125	15	14	62	19	49
2 Vehicle Crash	169	7%	1 hr 16 m	78	6	17	21	10	37
Slow Traffic	131	5%		77	14	5	7	2	26
Debris	70	3%	23 min	37	3	6	5	2	17
Emergency Vehicles	54	2%	1 hr 59 m	16	8	4	6	8	12
3+ Vehicle Crash	46	2%	47 min	24	4	3	3	1	11
Vehicle Fire	14	1%	1 hr 38 m	4	1	0	4	4	1
Towing Operation	12	1%	3 hr 20 m	3	1	0	6	0	2
Wrong Way Driver	4	0%		0	0	0	0	0	4
[Unknown]	1	0%		0	0	1	0	0	0
Grass Fire	1	0%	15 min	0	0	0	1	0	0
Total	2,387	100%	1 hr 16 m	1,138	88	71	371	88	631

* - Totals include Highway Helper Incidents

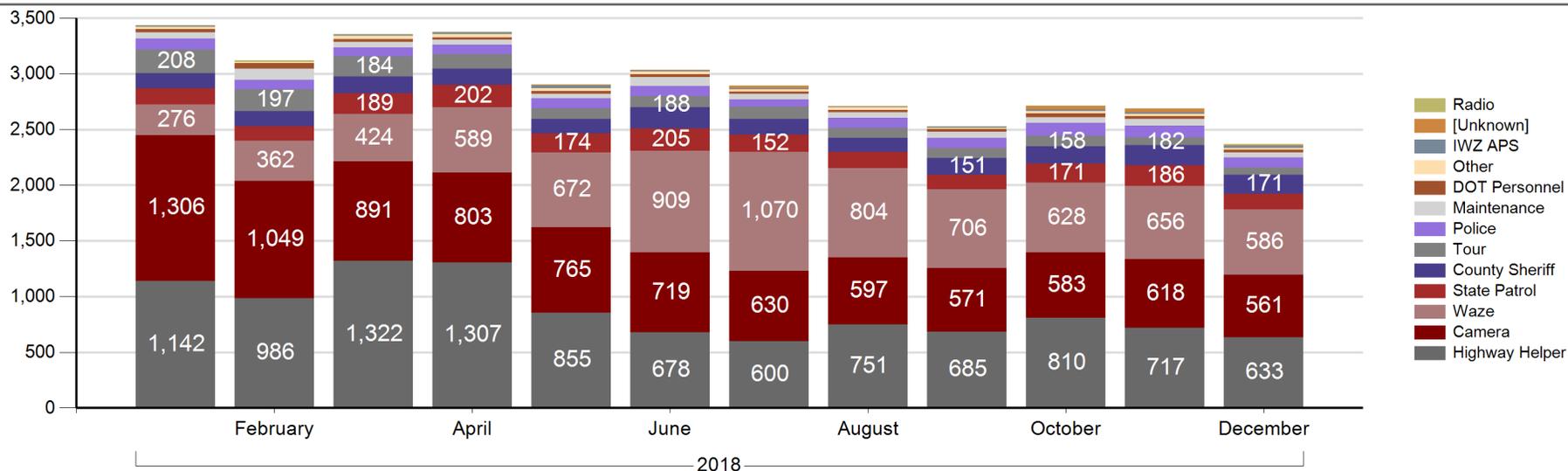


INCIDENT TOTALS BY DETECTION TYPE

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	633	27%	297	0	0	149	3	184
Waze	586	25%	281	19	9	63	21	193
Camera	561	24%	315	25	15	55	19	132
County Sheriff	171	7%	46	15	18	32	25	35
State Patrol	143	6%	54	7	6	46	8	22
Police	89	4%	53	3	10	2	1	20
Tour	64	3%	37	3	3	9	2	10
Maintenance	46	2%	18	1	4	3	7	13
Other	42	2%	22	5	3	4	1	7
DOT Personnel	27	1%	11	2	3	7	0	4
IWZ APS	18	1%	0	8	0	0	0	10
Radio	7	0%	4	0	0	1	1	1
Total	2,387	100%	1,138	88	71	371	88	631

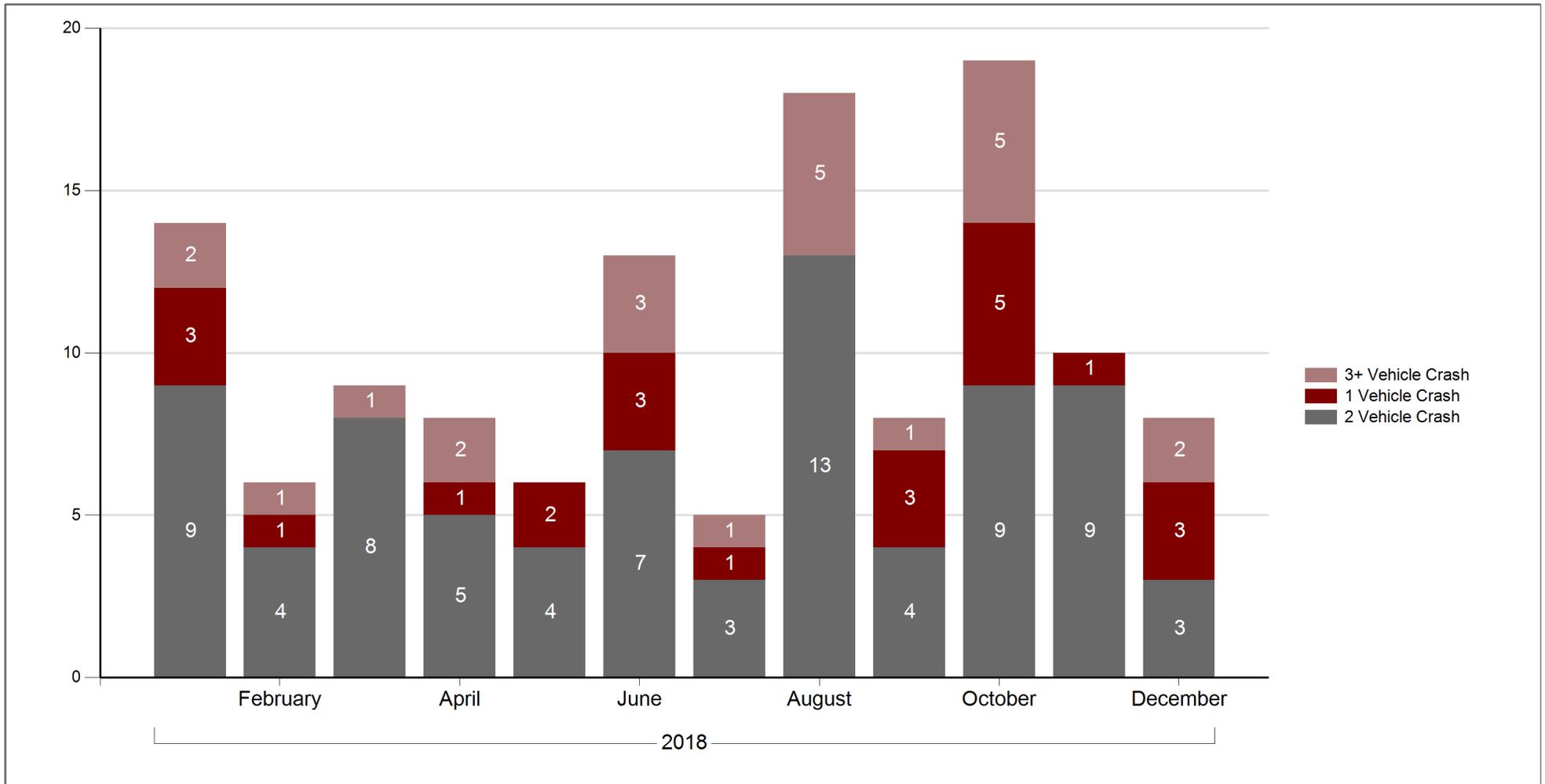
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

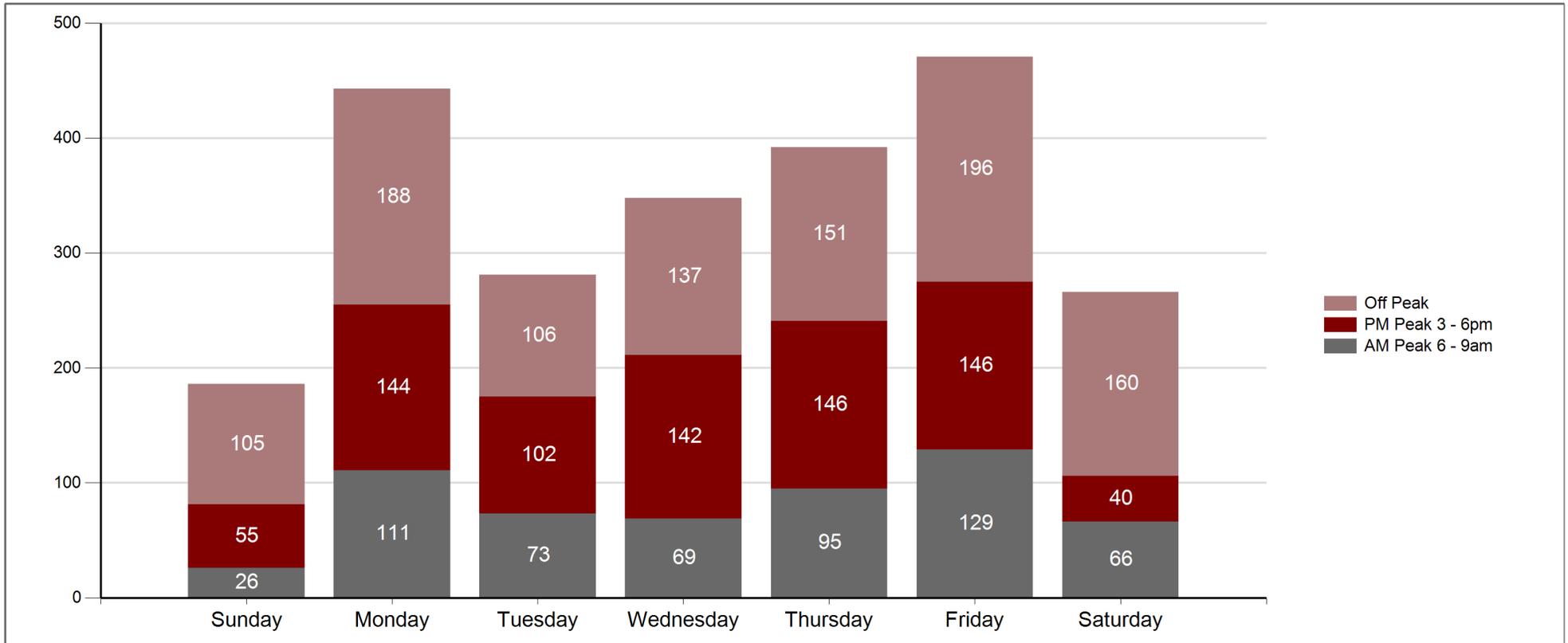
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
1 Vehicle Crash	3	38%	52 min	1	0	0	2	0	0
2 Vehicle Crash	3	38%	1 hr 20 m	2	0	0	0	0	1
3+ Vehicle Crash	2	25%	1 hr 1 m	2	0	0	0	0	0
Total	8	100%	1 hr 4 m	5	0	0	2	0	1



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.

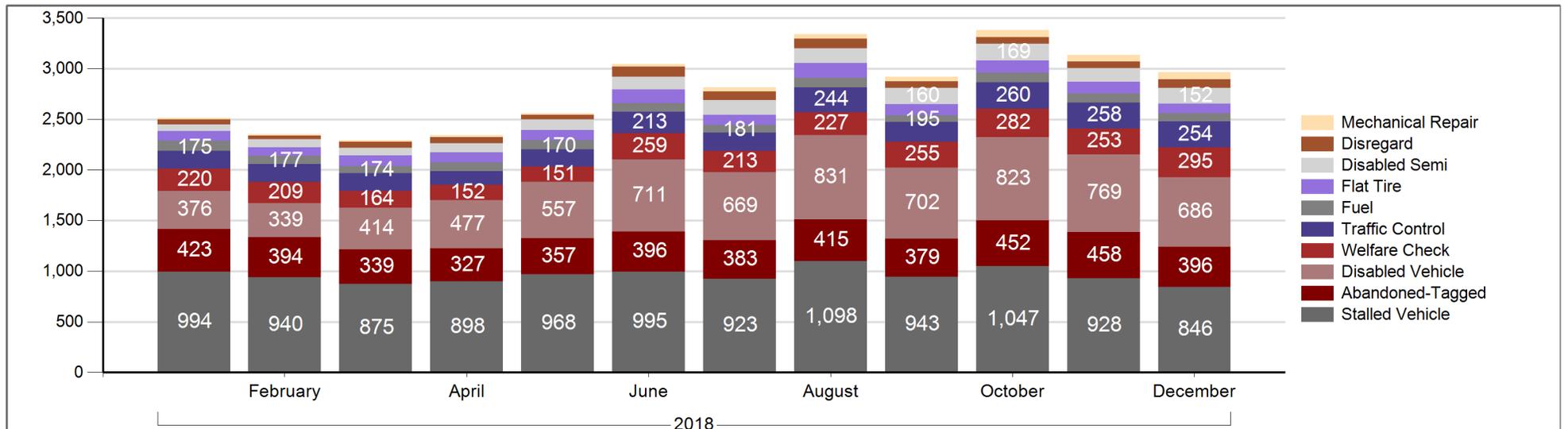
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Friday	471	20%	1 hr 11 m	232	12	5	88	19	115
Monday	443	19%	1 hr 15 m	209	24	18	55	18	119
Thursday	392	16%	53 min	207	16	11	51	12	95
Wednesday	348	15%	1 hr 9 m	168	7	7	52	15	99
Tuesday	281	12%	48 min	124	4	7	48	3	95
Saturday	266	11%	2 hr 14 m	122	13	21	34	14	62
Sunday	186	8%	59 min	76	12	2	43	7	46
Total	2,387	100%	1 hr 11 m	1,138	88	71	371	88	631



HIGHWAY HELPER RESPONSES

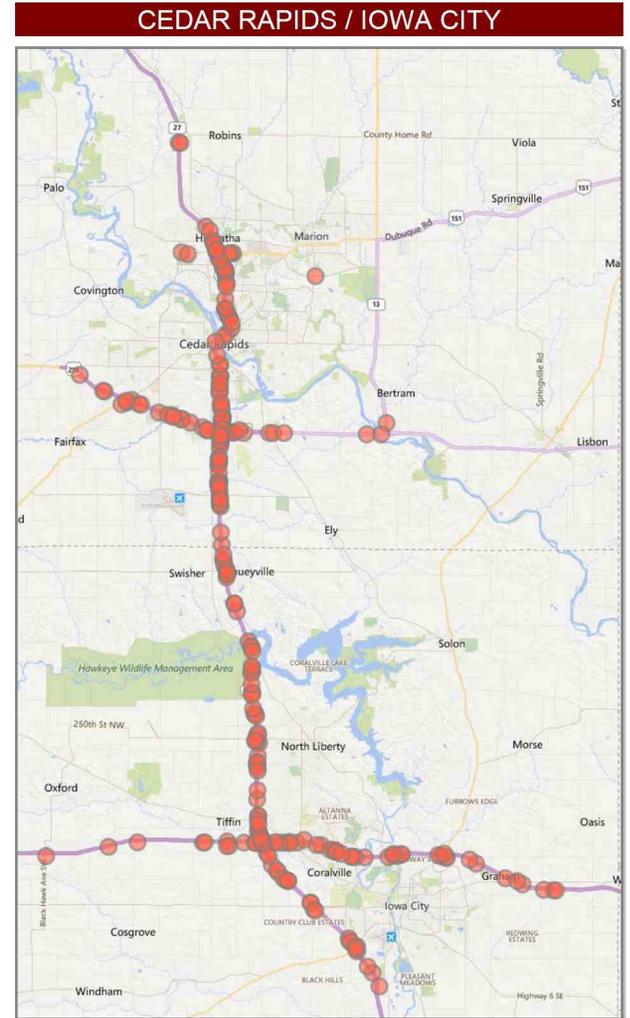
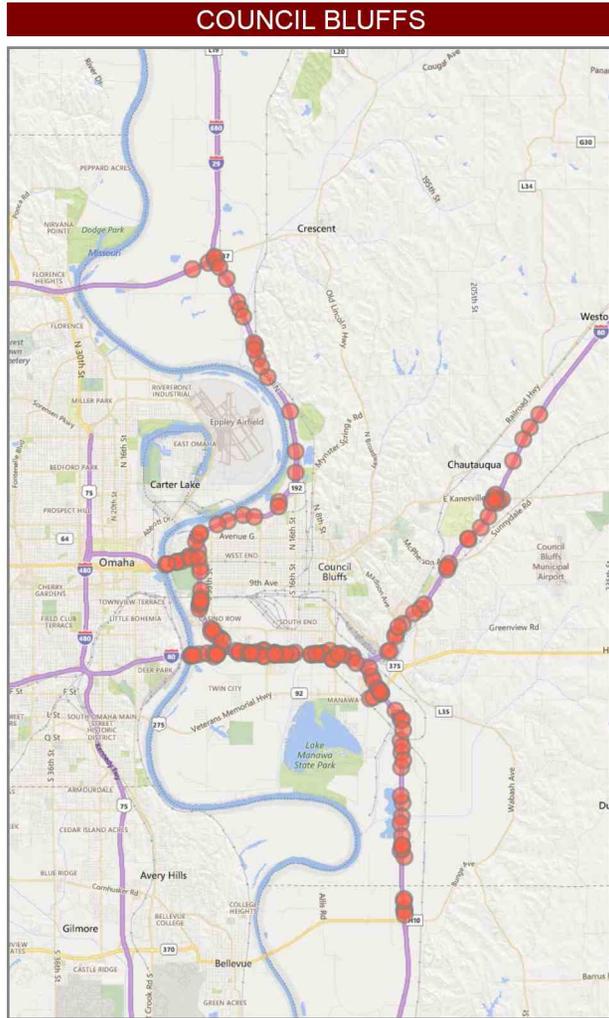
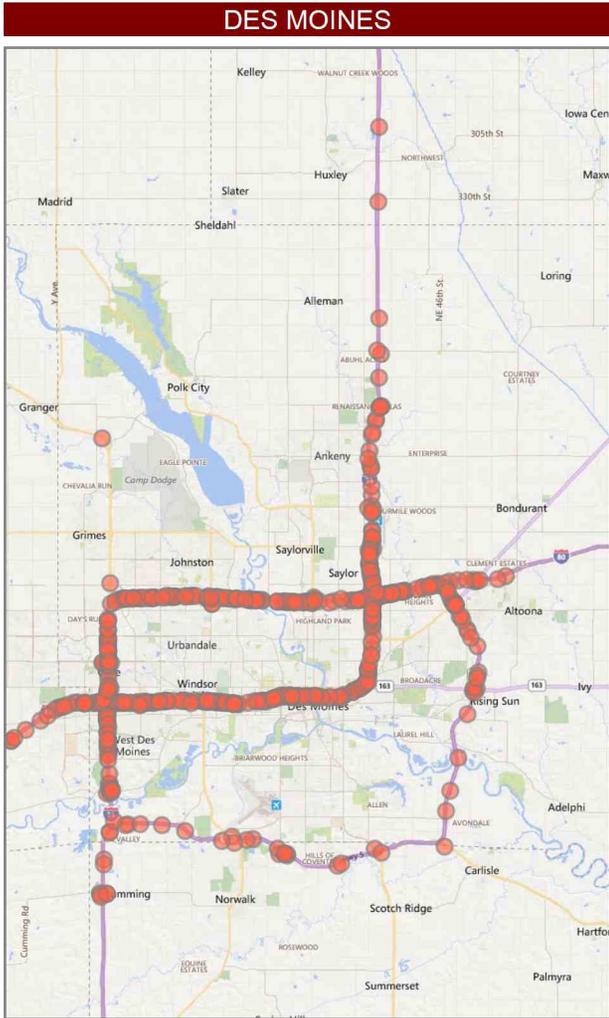
The total number of incidents Highway Helper responded to during the period.

Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City
Stalled Vehicle	846	25%	37 min		445	170	222
Disabled Vehicle	686	20%	20 min		379	131	169
Abandoned-Tagged	397	12%	9 min		224	55	110
Welfare Check	298	9%	1 hr 26 m		143	69	84
Traffic Control	279	8%	33 min		146	64	69
Disabled Semi	152	5%	1 hr 25 m		66	37	47
Flat Tire	132	4%	27 min		60	37	34
Disregard	93	3%	17 min		64	7	21
Fuel	88	3%			46	21	21
Mechanical Repair	78	2%	8 min		36	17	25
1 Vehicle Crash	61	2%	38 min		34	7	20
2 Vehicle Crash	54	2%	31 min		37	6	11
Total	3,164	100%	36 min		1,680	621	833



HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

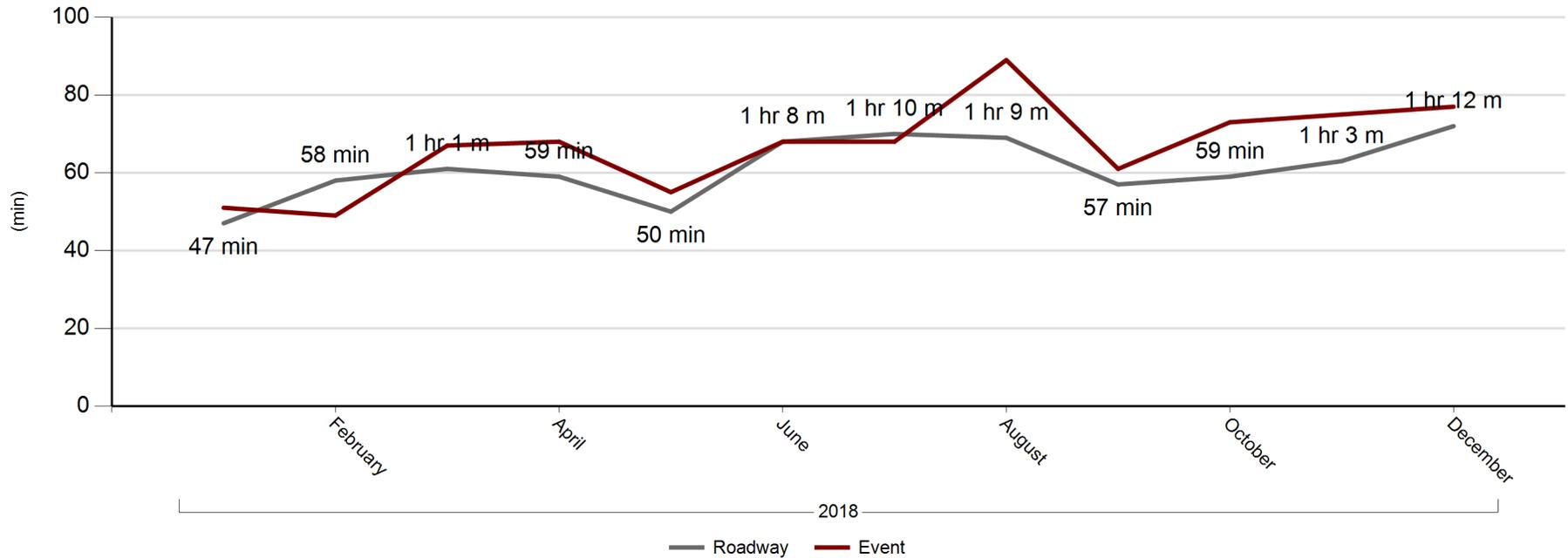


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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 24 m	1 hr 33 m	1 hr 7 m	1 hr 39 m	1 hr 15 m	1 hr 47 m	1 hr 1 m
	Federal	1 hr 59 m	3 hr 10 m	1 hr 29 m	1 hr 19 m	1 hr 12 m	1 hr	1 hr 58 m
	Interstate	1 hr 3 m	1 hr 3 m	40 min	1 hr 30 m	1 hr 11 m		54 min
	State	1 hr 35 m	1 hr 8 m	18 min	2 hr 19 m	2 hr 1 m	2 hr 20 m	45 min
Roadway	All	1 hr 12 m	1 hr 21 m	57 min	1 hr 25 m	1 hr 3 m	1 hr 50 m	47 min
	Federal	1 hr 47 m	2 hr 56 m	1 hr 18 m	1 hr 4 m	42 min	1 hr 9 m	1 hr 51 m
	Interstate	52 min	51 min	34 min	1 hr 16 m	1 hr 1 m		42 min
	State	1 hr 24 m	1 hr	2 min	2 hr 13 m	2 hours	2 hr 19 m	23 min

All Roads (Interstate / Federal / State)

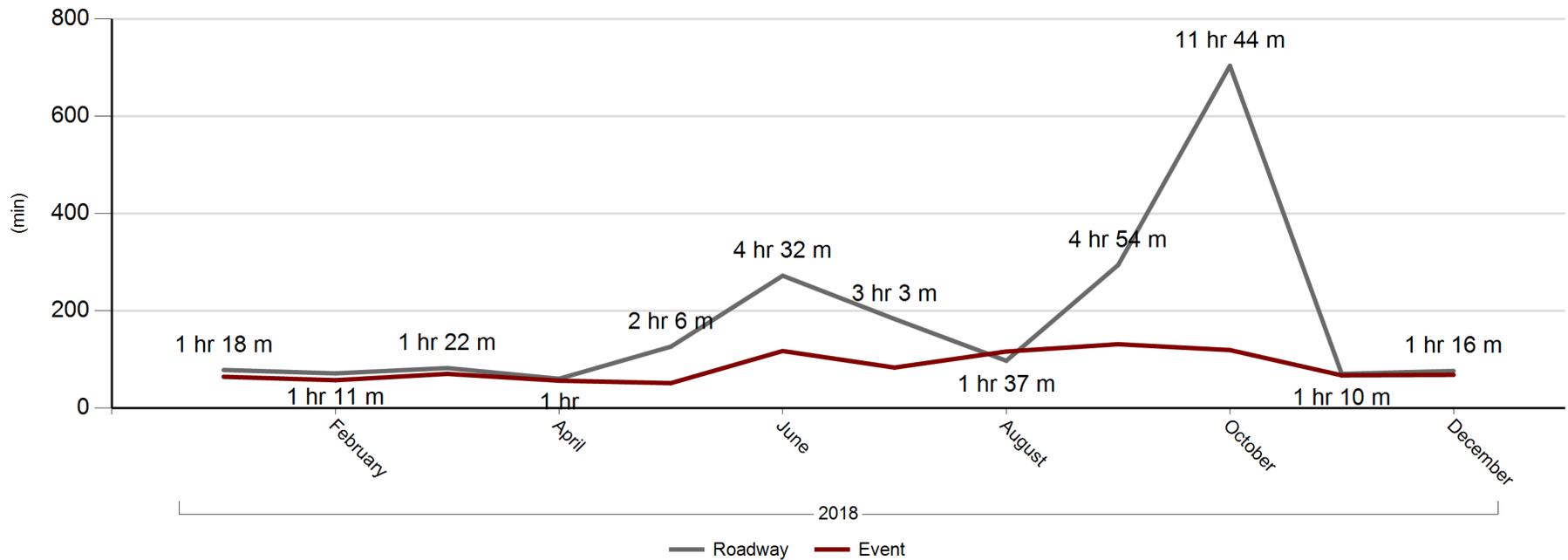


INCIDENT CLEARANCE TIMES (ALL TYPES)

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 23 m	1 hr 27 m	1 hr 42 m	1 hr 34 m	1 hr 13 m	1 hr 56 m	1 hr
	Federal	1 hr 49 m	2 hr 40 m	1 hr 27 m	1 hr 26 m	1 hr 7 m	1 hr 27 m	2 hr 14 m
	Interstate	1 hr 4 m	1 hr 5 m	1 hr 36 m	1 hr 7 m	1 hr 12 m		48 min
	State	1 hr 49 m	1 hr 31 m	2 hr 57 m	2 hr 19 m	2 hr 1 m	2 hr 16 m	45 min
Roadway	All	1 hr 16 m	1 hr 10 m	2 hr 13 m	1 hr 19 m	1 hr 4 m	2 hours	58 min
	Federal	1 hr 34 m	2 hr 12 m	1 hr 28 m	1 hr 11 m	53 min	1 hr 7 m	1 hr 56 m
	Interstate	54 min	47 min	1 hr 32 m	50 min	1 hr 3 m		52 min
	State	1 hr 55 m	1 hr 27 m	4 hr 11 m	2 hr 1 m	1 hr 33 m	2 hr 31 m	26 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 18 m)								
	12/01 08:42 AM	69254	US-6				1 day 11 hr 30 m	Initial report of a single vehicle crash on US-6 EB at MM 135 in Des Moines.
2 Vehicle Crash (Avg Impact : 1 hr 16 m)								
	12/11 06:59 PM	70225	US-20	1		1	3 hr 5 m	Initial report of a 2 vehicle crash on US-20 EB at MM 290 (near Dyersville).
	12/17 02:02 PM	70641	US-18	1	1	1	4 hr 31 m	Initial report of a 2 vehicle crash on US-18 WB at MM 162 in Garner.
	12/21 04:24 PM	71041	IA-163				3 hr 18 m	Initial report of a 2 vehicle crash on US-63 SB at MM 57 (near Eddyville).
	12/19 07:59 PM	70880	IA-163	1		1	5 hr 11 m	Initial report of a 2 vehicle crash on IA-163 WB at MM 42 in Pella.
	12/20 08:05 AM	70905	IA-60			2	7 hr 4 m	Initial report of a 2 vehicle crash on IA-60 SB at MM 48 (near Sibley).
	12/21 08:41 AM	70997	IA-2	1	1		3 hr 10 m	Initial report of a 2 vehicle crash on IA-2 WB at MM 34 (near Shenandoah).
	12/07 04:09 PM	69943	IA-4	2	2	1	2 hr 43 m	Initial report of a 2 vehicle crash on IA-4 in both directions at MM 97 (near Plover).
	12/29 10:16 PM	71723	I-80	1	1		6 hr 59 m	Initial report of a 2 vehicle crash on I-80 WB at MM 138 in Ankeny.
	12/05 11:57 AM	69675	I-35		1	2	4 hr 4 m	Initial report of a 2 vehicle crash on I-35 SB at MM 119 (near Gilbert).
	12/28 09:52 AM	71540	IA-92		2		4 hr 15 m	Initial report of a 2 vehicle crash on IA-92 WB at MM 234 in Washington.
3+ Vehicle Crash (Avg Impact : 47 min)								
	12/19 12:17 PM	70826	US-67		2		2 hr 31 m	Initial report of a 3+ vehicle crash on US-67 EB at MM 8 in Riverdale.
Emergency Vehicles (Avg Impact : 1 hr 59 m)								
	12/10 01:12 PM	70101	IA-3				5 hr 35 m	Initial report of a structure fire on IA-3 NB at MM 272 in Strawberry Point.
	12/29 01:00 AM	71684	IA-3				4 hr 42 m	Initial report of a natural gas leak event on IA-3 & IA-13 in both directions in Strawberry Point.
	12/30 06:40 AM	71730	US-30				5 hr 25 m	Initial report of an emergency vehicles event on US-30 EB at MM 330 in Clinton.
Stalled Vehicle (Avg Impact : 37 min)								
	12/02 07:44 AM	69349	IA-141			1	3 hours	Initial report of a stalled vehicle on IA-141 EB at MM 98 in Coon Rapids.
	12/05 09:21 AM	69658	I-35			1	6 hr 35 m	Initial report of a stalled vehicle on I-35 NB at MM 69 in West Des Moines.
Towing Operation (Avg Impact : 3 hr 20 m)								
	12/08 01:00 PM	69996	I-80				8 hr 18 m	Initial report of a towing operation event on I-80 EB at MM 286 (near Walcott).
Vehicle Fire (Avg Impact : 1 hr 38 m)								
	12/15 11:06 AM	70542	IA-27			1	5 hr 49 m	Initial report of a vehicle fire on IA-27 SB at MM 4 (near Montrose).