



# TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

October 2018

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

## 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
September	October	September	October	September	October
<b>2,565</b>	<b>2,740</b>	<b>8</b>	<b>19</b>	<b>180</b>	<b>227</b>

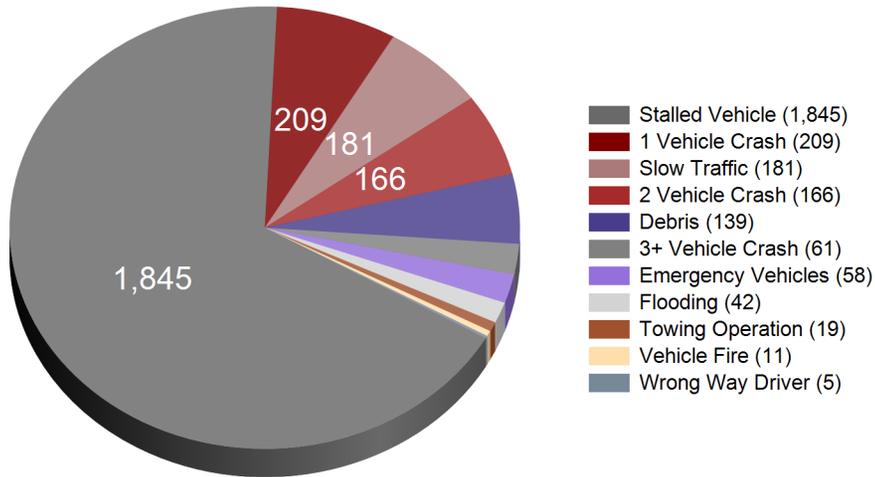
LANE BLOCKAGE INCIDENTS		AVERAGE CLEARANCE TIME		TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents which resulted in at least one blocked lane of travel.*		The average time for all lanes to be cleared after a crash.		The total number of incidents Highway Helper responded to during the period.	
Previous	Current	Previous	Current	Previous	Current
September	October	September	October	September	October
<b>272</b>	<b>310</b>	<b>57 min</b>	<b>59 min</b>	<b>1,095</b>	<b>1,246</b>

\* - excludes roadwork

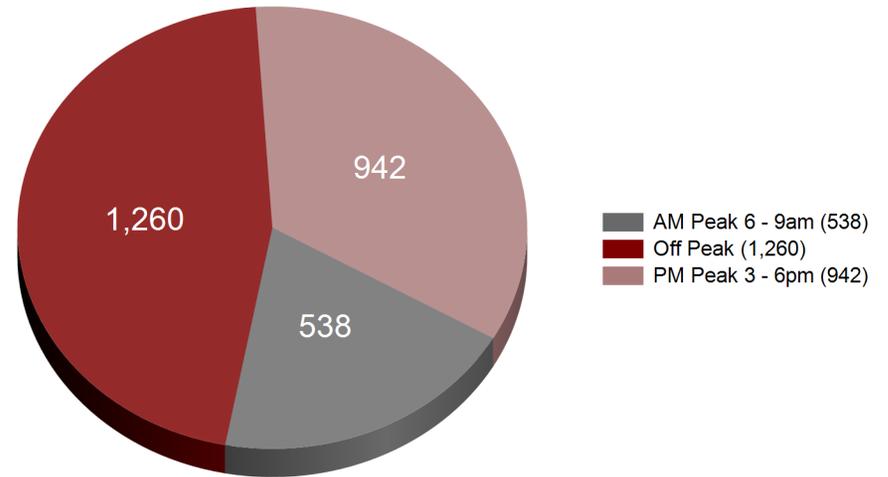
\*\* - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

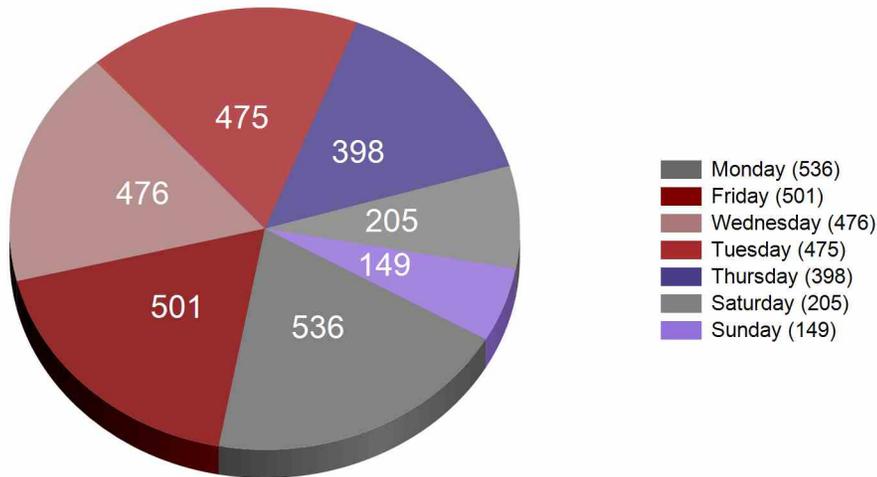
Incidents By Type



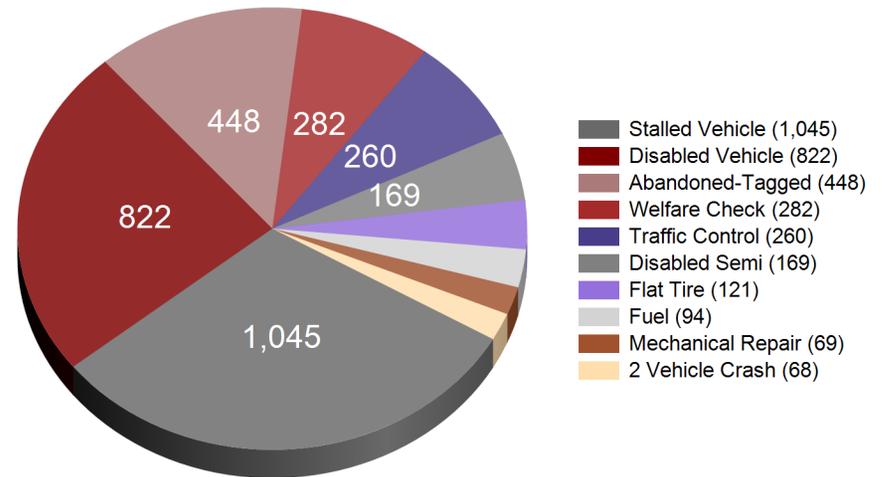
Incidents By Shift



Incidents By Day



Highway Helper Response

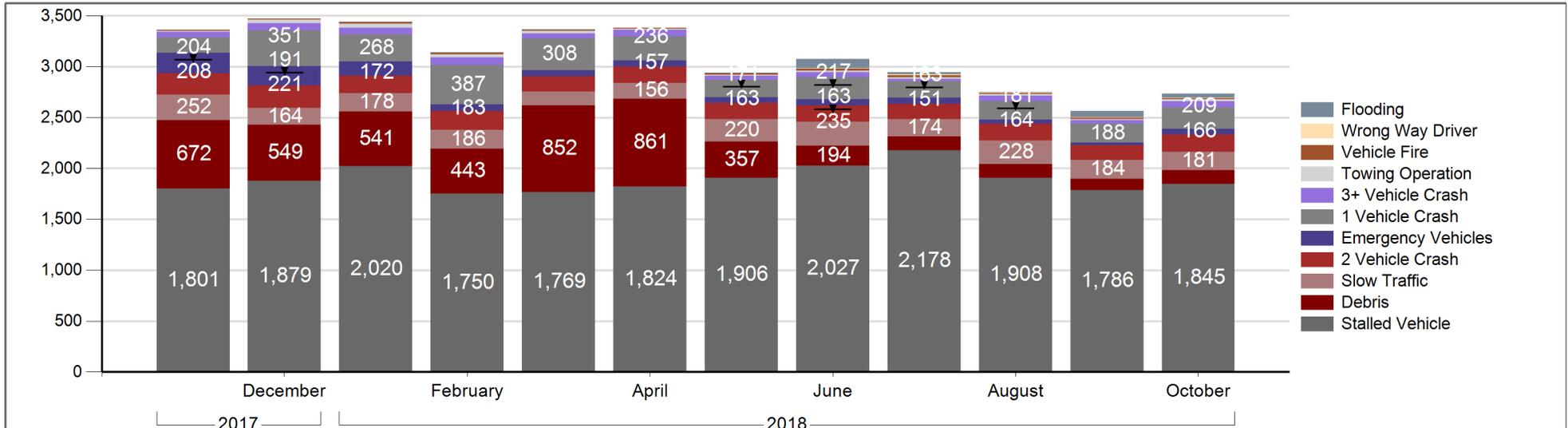


**INCIDENT TOTALS BY TYPE**

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	1,845	67%	59 min	917	45	29	271	47	536
1 Vehicle Crash	209	8%	1 hr 21 m	77	2	7	46	17	60
Slow Traffic	181	7%		115	10	6	20	1	29
2 Vehicle Crash	166	6%	48 min	81	4	11	22	13	35
Debris	139	5%	43 min	58	12	13	12	18	26
3+ Vehicle Crash	61	2%	47 min	33	1	2	5	1	19
Emergency Vehicles	58	2%	18 hr 27 m	16	5	3	9	8	17
Flooding	42	2%	3 days	5	2	0	4	19	12
Towing Operation	19	1%	3 hr 45 m	5	0	1	5	2	6
Vehicle Fire	11	0%	2 hr 19 m	4	1	1	1	2	2
Wrong Way Driver	5	0%		1	0	0	0	0	4
Grass Fire	3	0%	10 min	1	0	0	0	0	2
<b>Total</b>	<b>2,739</b>	<b>100%</b>	<b>11 hr 44 m</b>	<b>1,313</b>	<b>82</b>	<b>73</b>	<b>395</b>	<b>128</b>	<b>748</b>

\* - Totals include Highway Helper Incidents

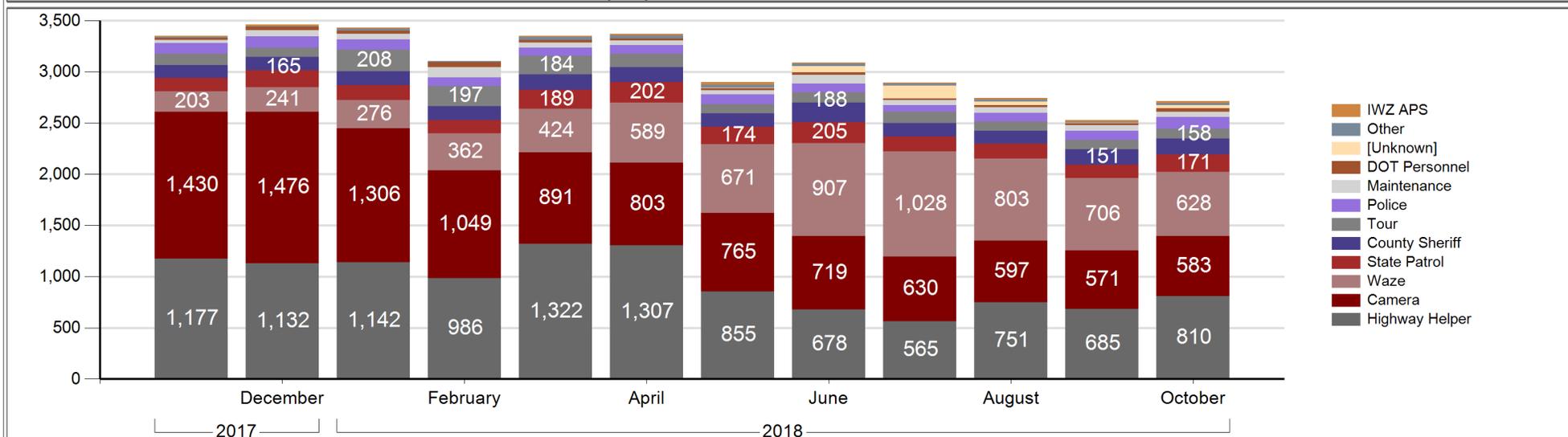


### INCIDENT TOTALS BY DETECTION TYPE

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	810	30%	388	0	0	176	0	246
Waze	628	23%	294	30	12	66	31	195
Camera	583	21%	339	15	14	62	18	135
State Patrol	171	6%	69	4	9	43	13	33
County Sheriff	158	6%	36	14	13	20	33	42
Police	116	4%	56	3	10	7	5	35
Tour	94	3%	55	4	6	11	0	18
Maintenance	50	2%	8	3	2	3	15	19
DOT Personnel	33	1%	15	1	0	1	9	7
[Unknown]	32	1%	22	0	1	4	1	4
Other	19	1%	11	0	0	3	0	5
IWZ APS	18	1%	0	5	6	0	0	7
<b>Total</b>	<b>2,712</b>	<b>100%</b>	<b>1,293</b>	<b>79</b>	<b>73</b>	<b>396</b>	<b>125</b>	<b>746</b>

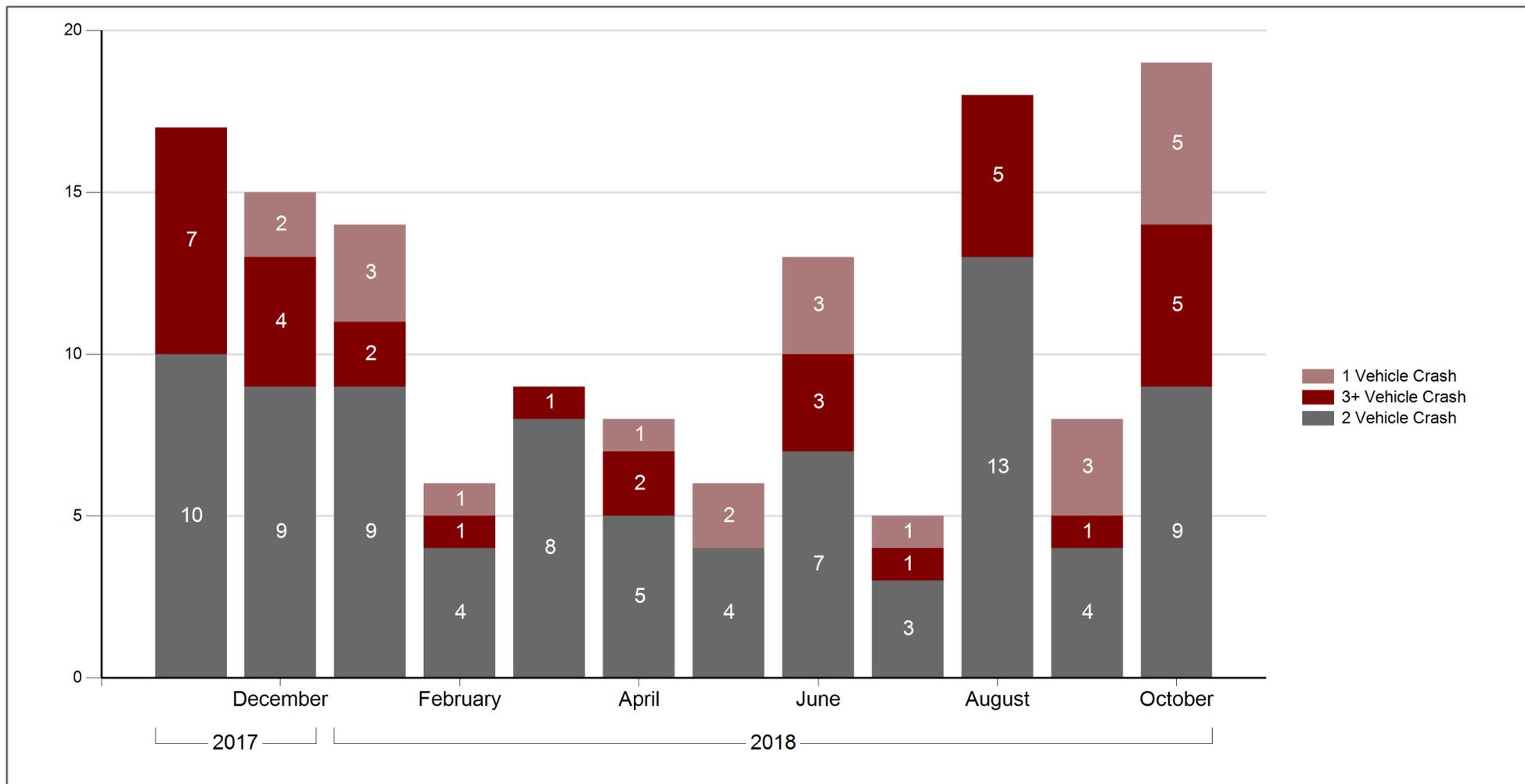
\* - Totals include Highway Helper Incidents



### SECONDARY INCIDENTS BY TYPE

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

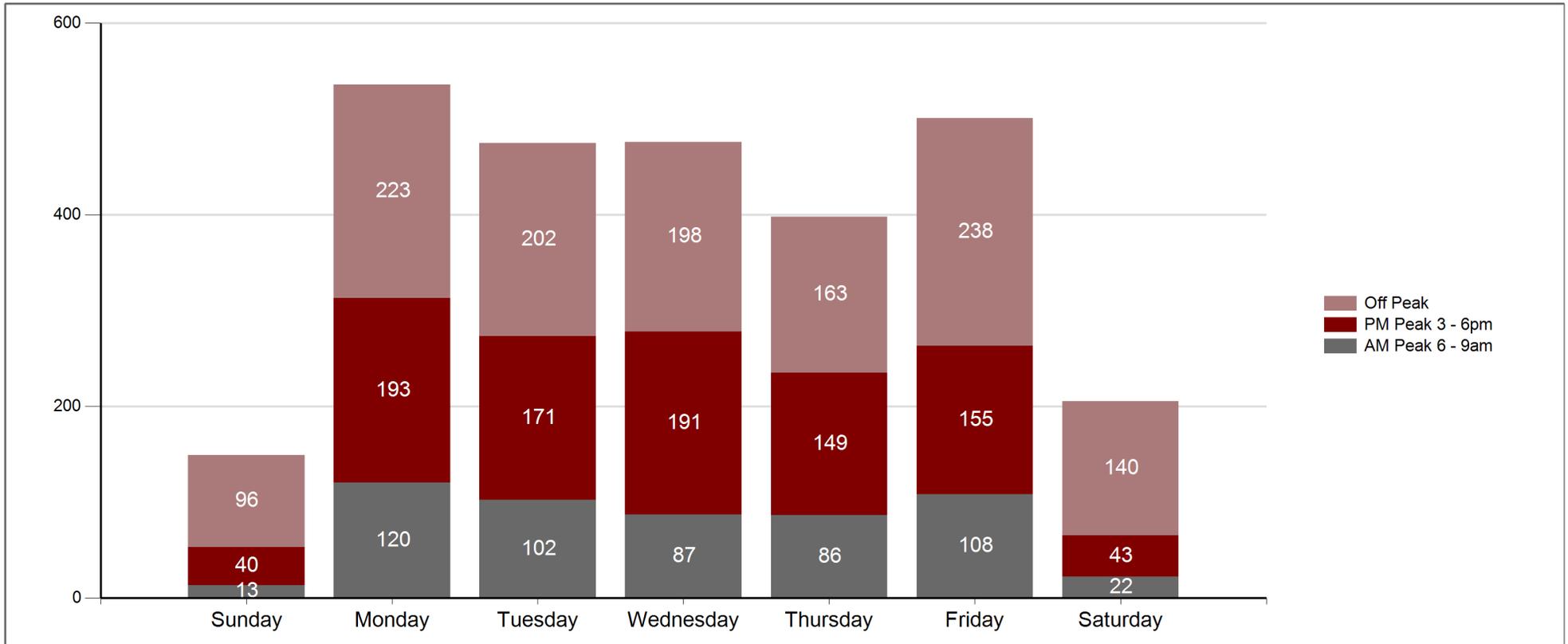
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	9	47%	36 min	6	0	0	0	0	3
1 Vehicle Crash	5	26%	52 min	2	0	0	1	0	2
3+ Vehicle Crash	5	26%	3 min	2	0	1	0	0	2
<b>Total</b>	<b>19</b>	<b>100%</b>	<b>36 min</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>7</b>



### 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.

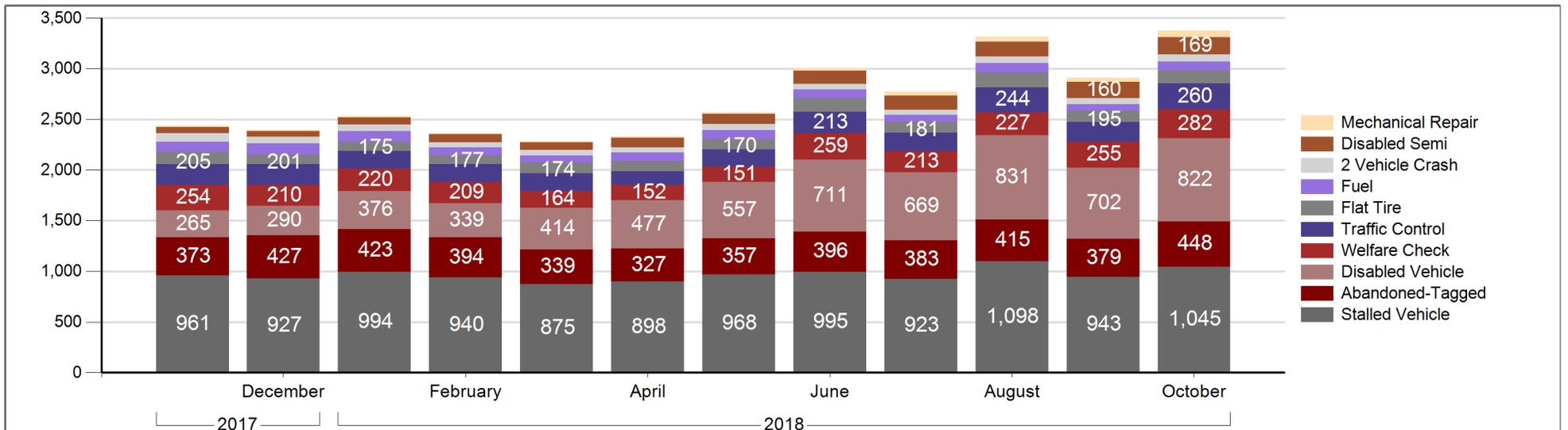
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Monday	536	20%	2 hr 39 m	256	20	16	76	16	152
Friday	501	18%	1 hr 24 m	259	16	9	71	25	121
Wednesday	476	17%	16 hr 16 m	218	14	18	59	17	150
Tuesday	475	17%	1 day 17 hr 23 m	237	6	10	72	29	121
Thursday	398	15%	3 hr 29 m	208	8	8	60	12	102
Saturday	205	7%	2 hr 33 m	81	10	5	28	19	62
Sunday	149	5%	1 hr 20 m	54	8	7	30	10	40
<b>Total</b>	<b>2,740</b>	<b>100%</b>	<b>2 hr 39 m</b>	<b>1,313</b>	<b>82</b>	<b>73</b>	<b>396</b>	<b>128</b>	<b>748</b>



### HIGHWAY HELPER RESPONSES

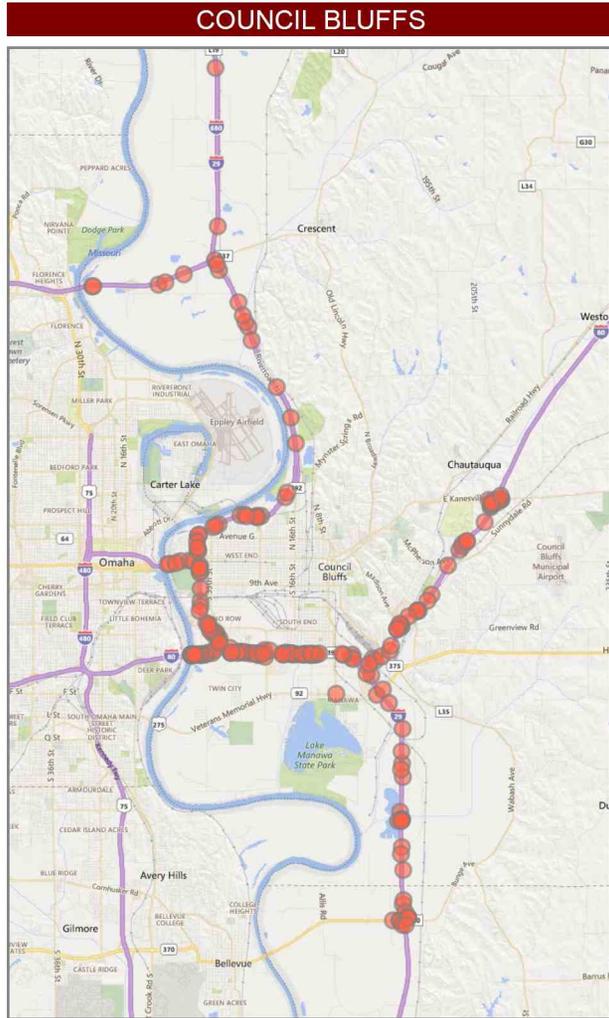
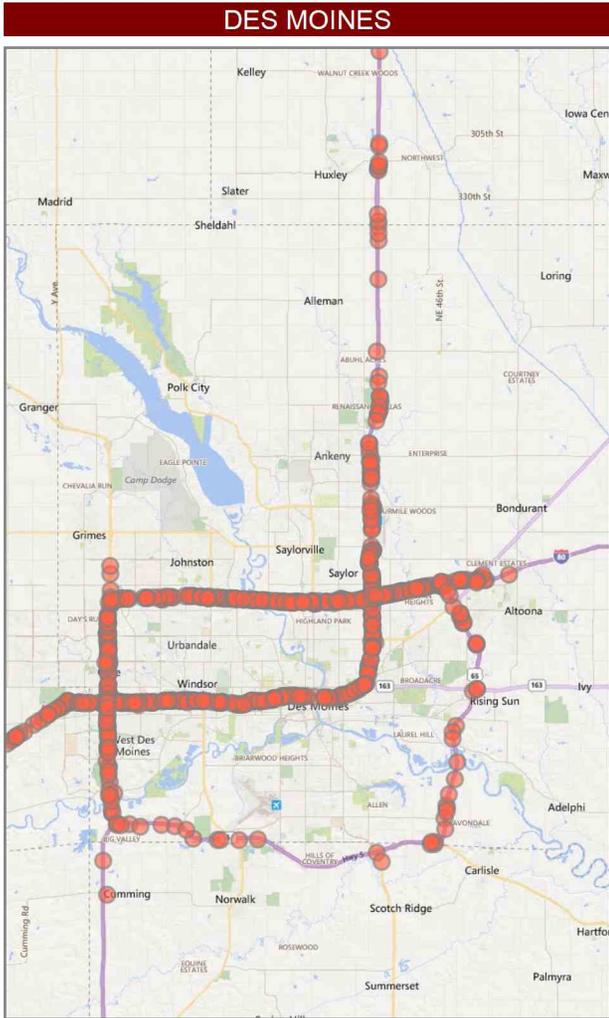
The total number of incidents Highway Helper responded to during the period.

Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City
Stalled Vehicle	1,045	27%	51 min		532	197	314
Disabled Vehicle	822	21%	16 min		427	151	243
Abandoned-Tagged	452	12%			242	62	148
Welfare Check	282	7%	1 hr		133	61	88
Traffic Control	279	7%	43 min		156	49	73
Disabled Semi	169	4%	1 hr 43 m		80	32	56
Flat Tire	168	4%			78	36	54
Fuel	102	3%			53	24	25
Mechanical Repair	85	2%			36	15	34
Disregard	70	2%	32 min		51	6	13
2 Vehicle Crash	68	2%	25 min		50	5	13
Debris	67	2%	11 min		49	7	10
<b>Total</b>	<b>3,609</b>	<b>100%</b>	<b>37 min</b>		<b>1,887</b>	<b>645</b>	<b>1,071</b>



**HIGHWAY HELPER ASSIST BY LOCATION**

Highway Helper detected incidents and response locations.

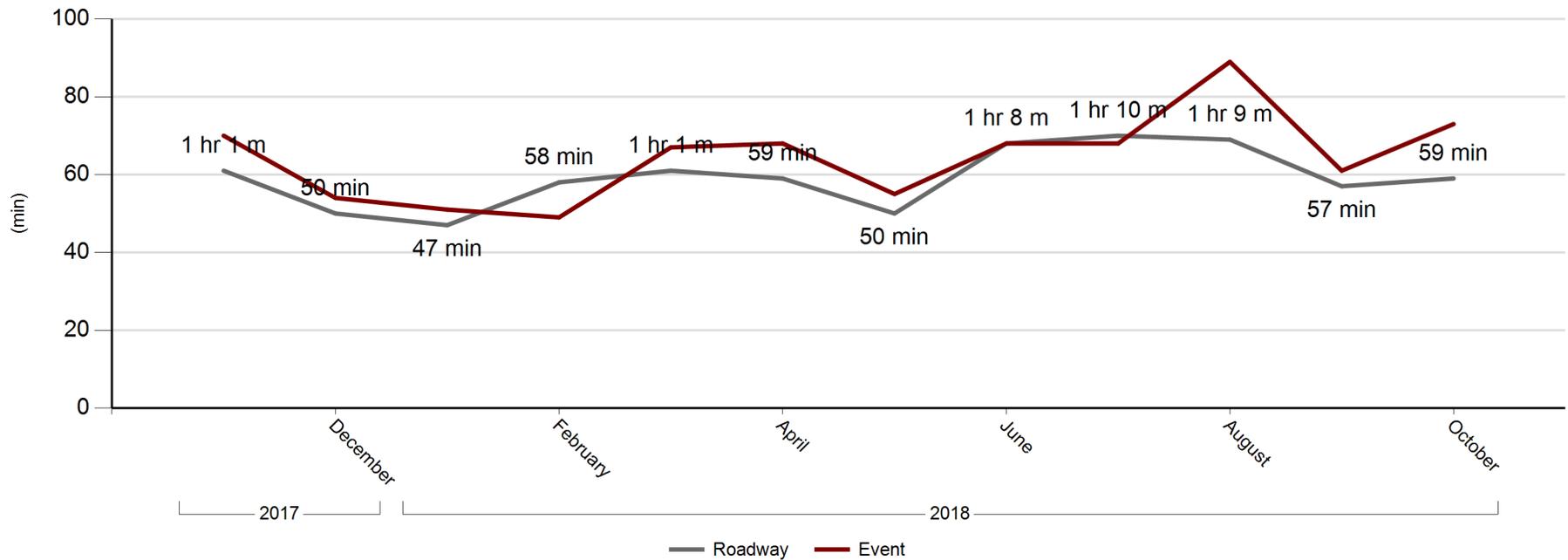


### INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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	<b>1 hr 25 m</b>	1 hr 25 m	1 hr 29 m	58 min	1 hr 11 m	4 hr 7 m	1 hr 1 m
	Federal	1 hr 22 m	1 hr 20 m	1 hr 23 m	53 min	56 min	7 hr 6 m	1 hr 12 m
	Interstate	1 hr 21 m	1 hr 30 m		31 min	1 hr 12 m	3 hr 51 m	1 hr
	State	1 hr 47 m	1 hr 4 m	1 hr 32 m	1 hr 59 m	2 hr 13 m	3 hr 31 m	
Roadway	All	<b>59 min</b>	44 min	1 hr 29 m	50 min	1 hr 8 m	2 hr 32 m	51 min
	Federal	1 hr 17 m	1 hr 17 m	1 hr 23 m	54 min	1 hr 10 m	7 hr 5 m	52 min
	Interstate	52 min	42 min		3 min	1 hr 5 m	2 hr 39 m	52 min
	State	1 hr 4 m	30 min	1 hr 32 m	1 hr 13 m	2 hr 13 m	1 hr 44 m	23 min

All Roads (Interstate / Federal / State)

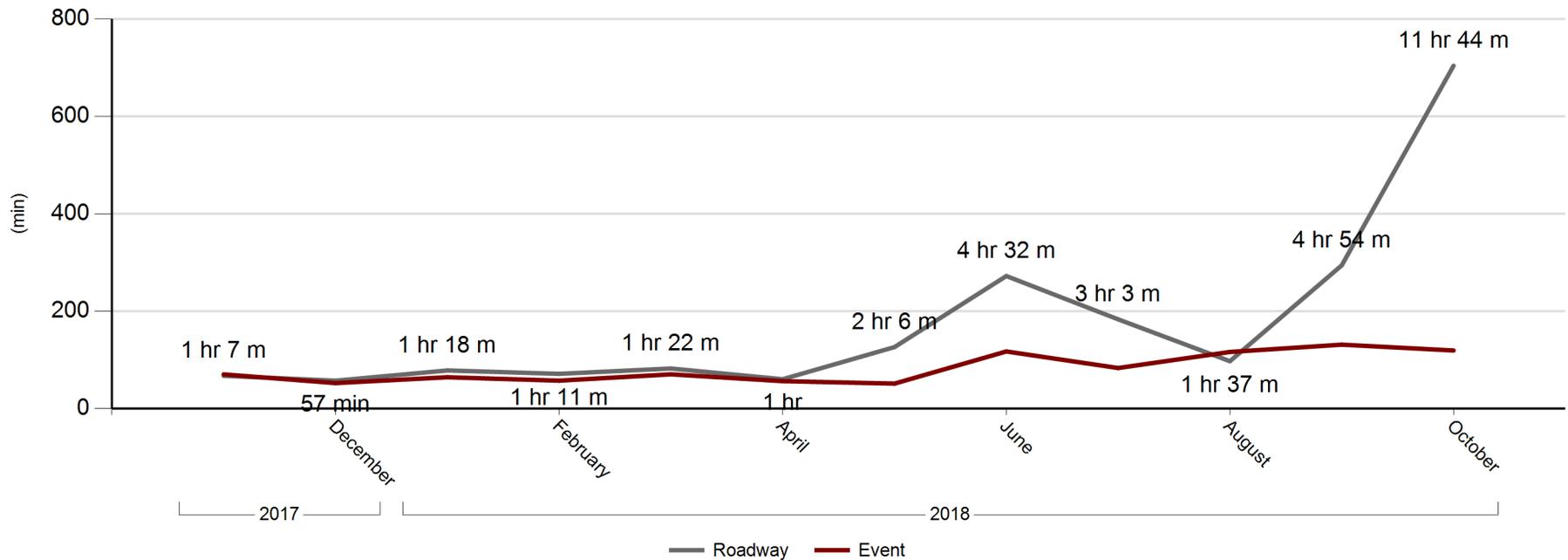


### INCIDENT CLEARANCE TIMES (ALL TYPES)

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	<b>2 hr 43 m</b>	3 hr 12 m	3 hr 8 m	57 min	1 hr 55 m	5 hr 44 m	1 hr 20 m
	Federal	1 hr 44 m	1 hr 7 m	1 hr 23 m	53 min	56 min	5 hr 6 m	1 hr 17 m
	Interstate	1 hr 40 m	1 hr 20 m	47 min	32 min	2 hr 4 m	6 hr 48 m	1 hr 22 m
	State	8 hr 49 m	15 hr 49 m	4 hr 10 m	1 hr 31 m	2 hr 13 m	5 hr 37 m	19 min
Roadway	All	<b>11 hr 44 m</b>	9 hr 7 m	4 hr 15 m	47 min	19 hr 55 m	17 hr 3 m	10 hr 20 m
	Federal	1 day 6 hr 31 m	2 days	1 hr 23 m	48 min	9 hr 39 m	1 day 23 hr 13 m	1 day 4 hr 26 m
	Interstate	6 hr 2 m	49 min	46 min	22 min	23 hr 4 m	4 hr 57 m	55 min
	State	7 hours	12 hr 37 m	4 hr 57 m	1 hr 15 m	1 hr 47 m	4 hr 45 m	9 hr 59 m

All Roads (Interstate / Federal / State)



**INCIDENTS (CLEARANCE TIME DEVIATION)**

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
<b>1 Vehicle Crash (Avg Impact : 1 hr 21 m)</b>								
	10/03 08:30 PM	<a href="#">62671</a>	I-80			1	3 hr 55 m	Initial report of a single vehicle crash on I-80 WB at MM 138 (near Saylorville).
	10/06 04:17 AM	<a href="#">62904</a>	I-80			1	3 hr 42 m	Initial report of a single vehicle crash on I-80 WB at MM 236 (near Tiffin).
	10/08 04:31 AM	<a href="#">62990</a>	I-80				4 hr 23 m	Initial report of a single vehicle crash on I-80 EB at MM 3 in Council Bluffs.
	10/08 04:31 AM	<a href="#">62991</a>	I-35			1	5 hr 18 m	Initial report of a single vehicle crash on I-35 NB at MM 9 (near Decatur City).
	10/08 08:16 PM	<a href="#">63094</a>	US-34			1	7 hr 5 m	Initial report of a single vehicle crash on US-34 EB at MM 202 (near Batavia).
	10/13 03:30 AM	<a href="#">63564</a>	I-380		1		2 hr 52 m	Initial report of a single vehicle crash on I-380 NB at MM 5 (near North Liberty).
	10/19 04:32 AM	<a href="#">64111</a>	I-35			1	4 hr 26 m	Initial report of a single vehicle crash on I-35 SB at MM 133 (near Ellsworth).
<b>2 Vehicle Crash (Avg Impact : 48 min)</b>								
	10/03 11:42 AM	<a href="#">62608</a>	US-75		1	2	2 hr 38 m	Initial report of a 2 vehicle crash on US-75 NB at MM 105 in Hinton.
	10/06 12:14 PM	<a href="#">62922</a>	IA-2	2			3 hr 58 m	Initial report of a 2 vehicle crash on IA-2 WB at MM 256 (near Franklin).
	10/12 09:50 AM	<a href="#">63461</a>	IA-5	1		1	2 hr 19 m	Initial report of a 2 vehicle crash on IA-5 at MM 17 (near Rathbun).
	10/18 11:02 AM	<a href="#">64019</a>	I-80		2	2	5 hr 46 m	Initial report of a 2 vehicle crash on I-80 WB at MM 60 (near Brayton).
	10/20 08:07 PM	<a href="#">64298</a>	US-6	1	4		2 hr 56 m	Initial report of a 2 vehicle crash on US-6 EB at MM 62 (near Brayton).
<b>3+ Vehicle Crash (Avg Impact : 47 min)</b>								
	10/17 10:28 AM	<a href="#">63908</a>	IA-92		2	1	2 hr 13 m	Initial report of a 3+ vehicle crash on IA-92 WB at MM 88 (near Greenfield).
	10/19 06:34 PM	<a href="#">64228</a>	I-235				2 hr 20 m	Initial report of a 3+ vehicle crash on I-235 EB at MM 5 in Des Moines.
<b>Debris (Avg Impact : 43 min)</b>								
	10/03 09:32 PM	<a href="#">62673</a>	US-69				4 hr 30 m	Initial report of a debris event on US-69 SB at MM 52 (near New Virginia).
<b>Emergency Vehicles (Avg Impact : 18 hr 27 m)</b>								
	10/03 06:17 AM	<a href="#">62577</a>	US-69				15 days	Initial report of a sinkhole on US-69 NB at MM 138 (near Jewell).
<b>Flooding (Avg Impact : 3 days )</b>								
	10/09 09:44 AM	<a href="#">63144</a>	US-61				11 days	Initial report of a flooding event on US-61 at MM 1 in Keokuk.
	10/09 10:55 AM	<a href="#">63153</a>	US-67				13 days	Initial report of a flooding event on US-67 at MM 1 in Davenport.
	10/09 11:40 AM	<a href="#">63157</a>	I-29				19 days	Initial report of a flooding event on I-29 NB at MM 20 (near Thurman).

**INCIDENTS (CLEARANCE TIME DEVIATION)**

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
Stalled Vehicle (Avg Impact : 59 min)								
	10/04 08:47 AM	<a href="#">62691</a>	I-80				4 hr 25 m	Initial report of a stalled vehicle on I-80 WB at MM 140 (near Altoona).
	10/14 10:15 AM	<a href="#">63617</a>	I-235				4 hr 57 m	Initial report of a stalled vehicle on I-235 EB at MM 10 in Des Moines.
	10/20 02:39 AM	<a href="#">64240</a>	I-80				4 hr 7 m	Initial report of a stalled vehicle on I-80 EB at MM 137 (near Saylorville).
Vehicle Fire (Avg Impact : 2 hr 19 m)								
	10/23 12:28 AM	<a href="#">64443</a>	I-35		2	2	7 hr 2 m	Initial report of a vehicle fire on I-35 NB at MM 8 (near Davis City).