



# TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

September 2018

This report contains statistical and operational data for TMC activities from the period of September 01, 2018 to September 30, 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
August	September	August	September	August	September
<b>2,749</b>	<b>2,565</b>	<b>18</b>	<b>7</b>	<b>221</b>	<b>180</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
August	September	August	September	August	September
<b>298</b>	<b>272</b>	<b>1 hr 9 m</b>	<b>55 min</b>	<b>1,336</b>	<b>1,092</b>

\* - excludes roadwork

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

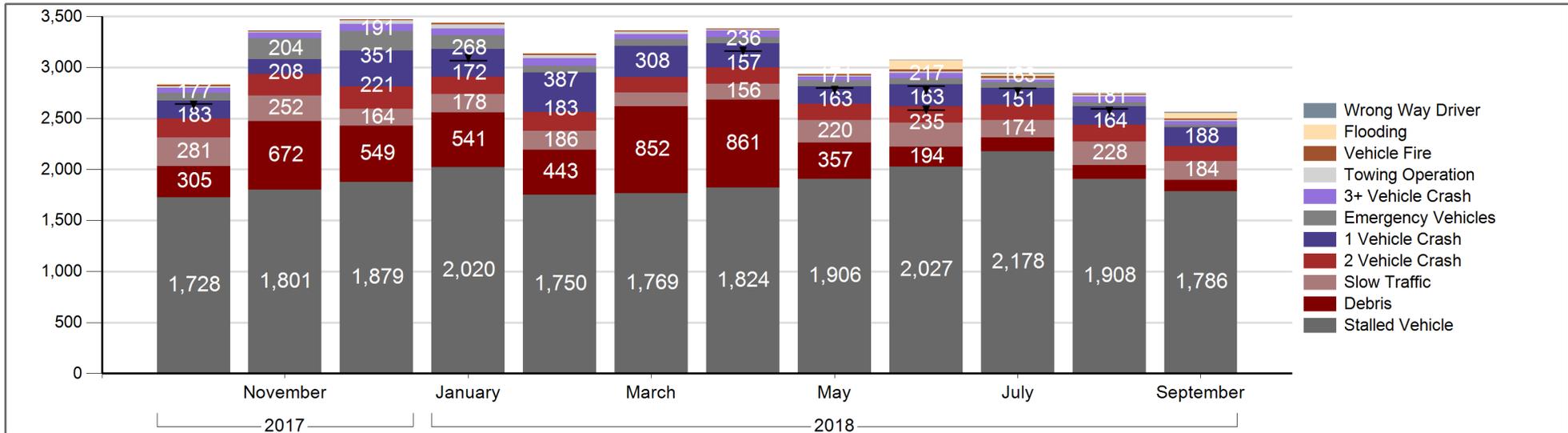
The term 'Avg Impact' is used throughout this report to indicate mainline closure times (excludes shoulder/ramp closure).

### 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	1,786	70%	20 min	863	29	25	260	31	578
1 Vehicle Crash	188	7%	55 min	84	5	6	29	15	49
Slow Traffic	184	7%	1 hr	109	9	8	11	0	47
2 Vehicle Crash	143	6%	1 hr 15 m	72	6	9	12	7	37
Debris	113	4%	50 min	34	14	8	8	12	37
Flooding	59	2%	1 day 14 hr 45 m	16	12	28	1	0	2
3+ Vehicle Crash	37	1%	2 hr 19 m	23	0	1	4	1	8
Emergency Vehicles	25	1%	2 hr 55 m	8	1	5	6	1	4
Vehicle Fire	12	0%	1 hr 19 m	6	0	0	2	0	4
Towing Operation	9	0%	3 hr 38 m	3	0	0	1	0	5
Wrong Way Driver	6	0%		0	0	0	0	0	6
Grass Fire	3	0%	16 min	0	0	0	1	0	2
<b>Total</b>	<b>2,565</b>	<b>100%</b>	<b>4 hr 53 m</b>	<b>1,218</b>	<b>76</b>	<b>90</b>	<b>335</b>	<b>67</b>	<b>779</b>

\* - Totals include Highway Helper Incidents

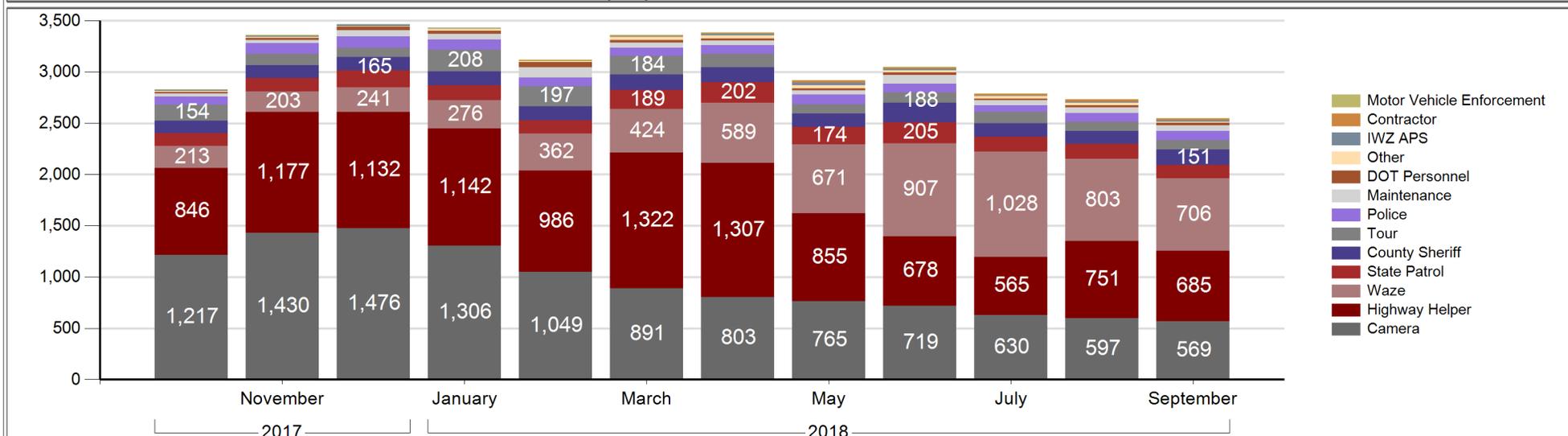


### INCIDENT TOTALS BY DETECTION TYPE

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*
Waze	706	28%	365	18	8	80	22	213
Highway Helper	685	27%	287			143	1	254
Camera	569	22%	336	14	18	48	10	143
County Sheriff	151	6%	45	14	14	15	16	47
State Patrol	130	5%	55	4	13	23	7	28
Police	90	4%	40	3	13	4	2	28
Tour	90	4%	43	1	6	12	6	22
Maintenance	57	2%	7	8	14	5	1	22
DOT Personnel	25	1%	10	4	4	1	1	5
Contractor	16	1%	10	5				1
IWZ APS	15	1%	1	3		2		9
Other	9	0%	6	1		1	1	
<b>Total</b>	<b>2,543</b>	<b>100%</b>	<b>1,205</b>	<b>75</b>	<b>90</b>	<b>334</b>	<b>67</b>	<b>772</b>

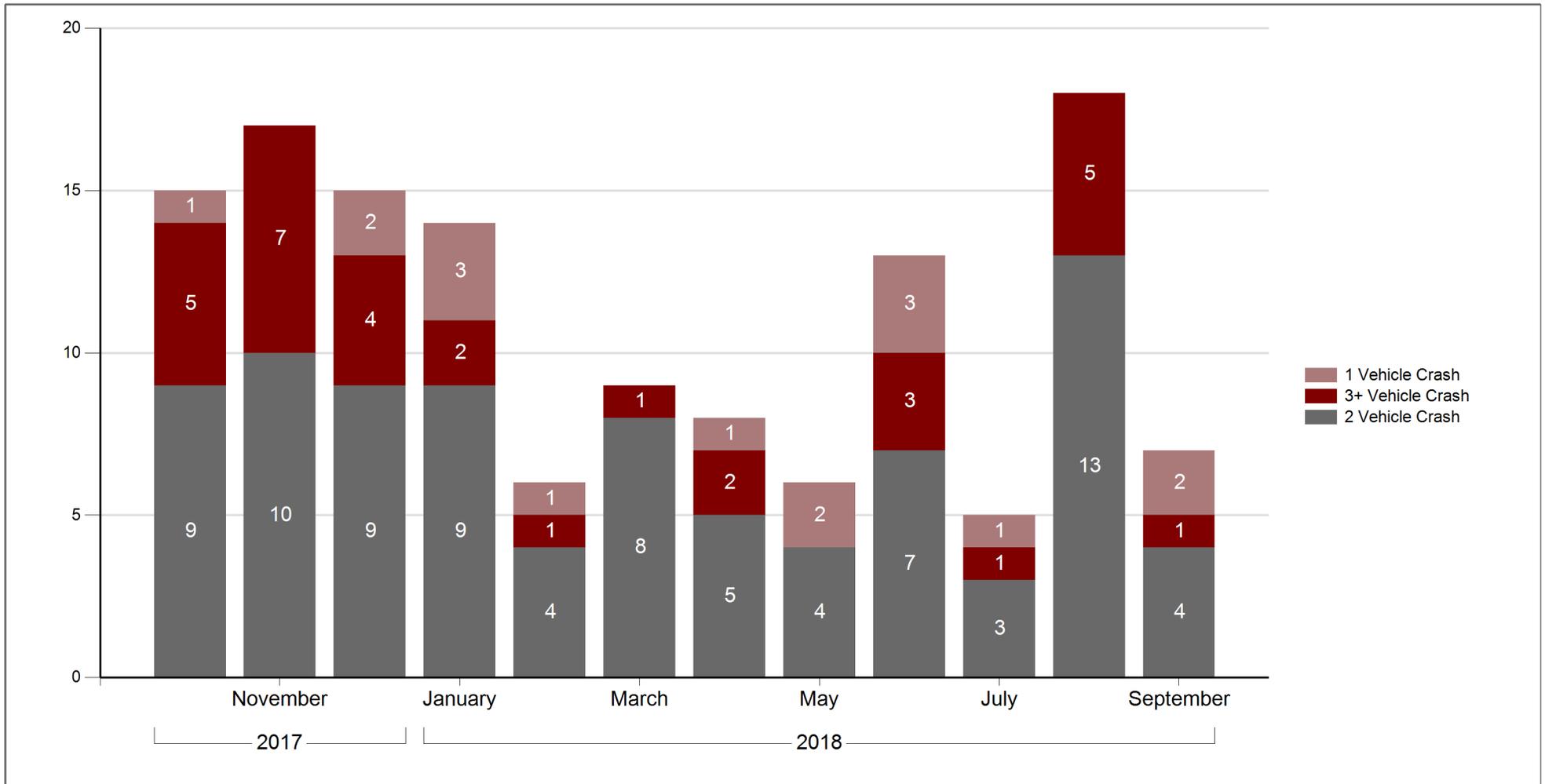
\* - Totals include Highway Helper Incidents



### SECONDARY INCIDENTS BY TYPE

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

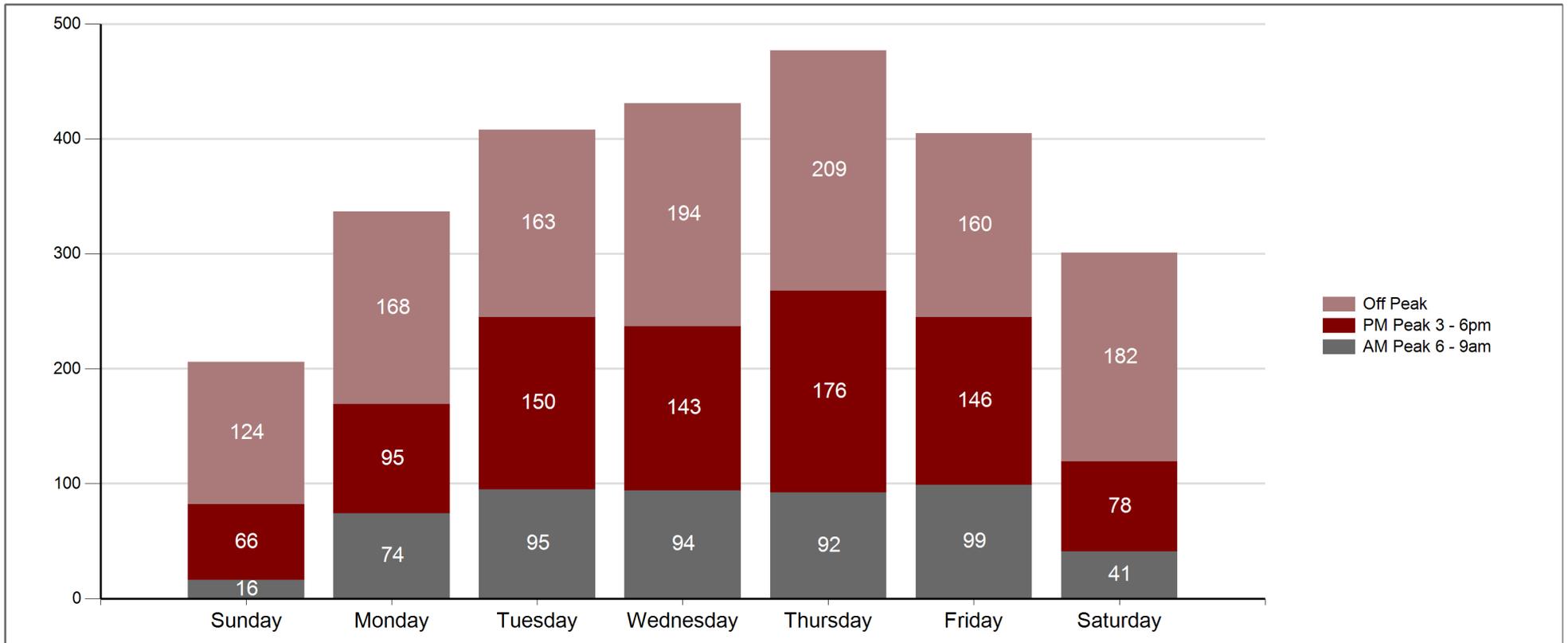
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	4	57%	29 min	3	1	0	0	0	0
1 Vehicle Crash	2	29%		2	0	0	0	0	0
3+ Vehicle Crash	1	14%	11 min	1	0	0	0	0	0
<b>Total</b>	<b>7</b>	<b>100%</b>	<b>20 min</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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.

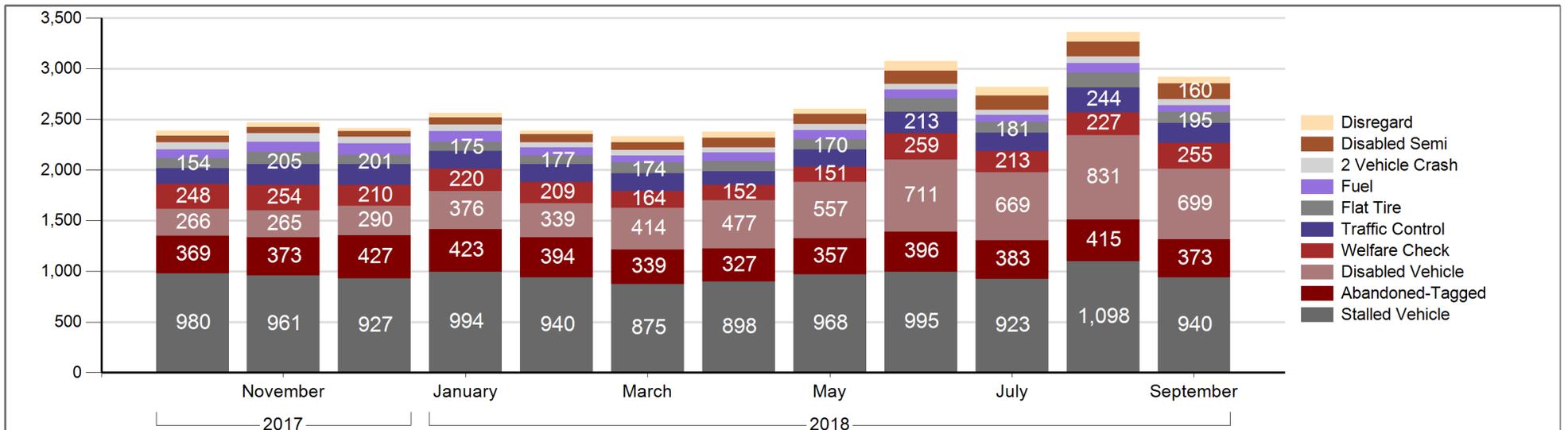
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Thursday	477	19%	7 hr 43 m	207	12	30	70	16	142
Wednesday	431	17%	2 hr 49 m	216	6	11	50	8	140
Tuesday	408	16%	6 hr 19 m	205	10	3	61	10	119
Friday	405	16%	2 hr 42 m	201	13	15	62	7	107
Monday	337	13%	1 hr 14 m	157	8	16	39	8	109
Saturday	301	12%	12 hr 19 m	138	15	8	30	8	102
Sunday	206	8%	1 hr 44 m	94	12	7	23	10	60
<b>Total</b>	<b>2,565</b>	<b>100%</b>	<b>7 hr 43 m</b>	<b>1,218</b>	<b>76</b>	<b>90</b>	<b>335</b>	<b>67</b>	<b>779</b>



### HIGHWAY HELPER RESPONSES

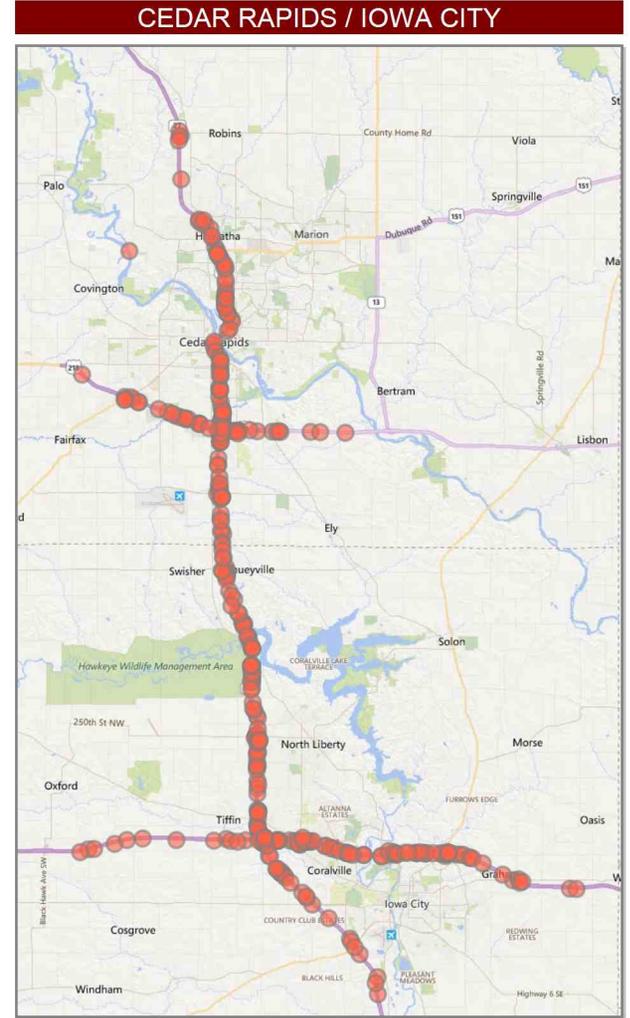
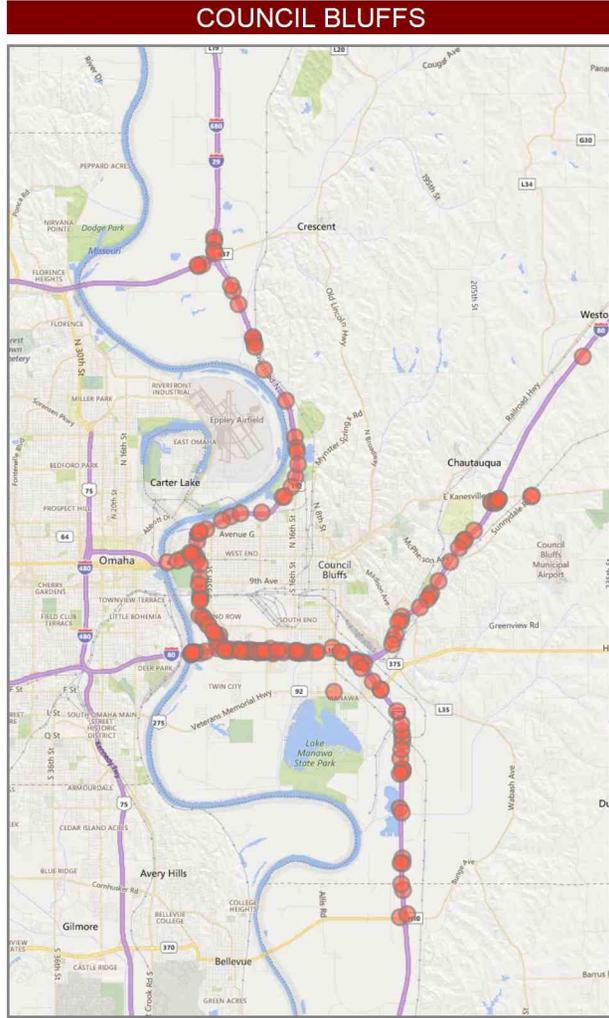
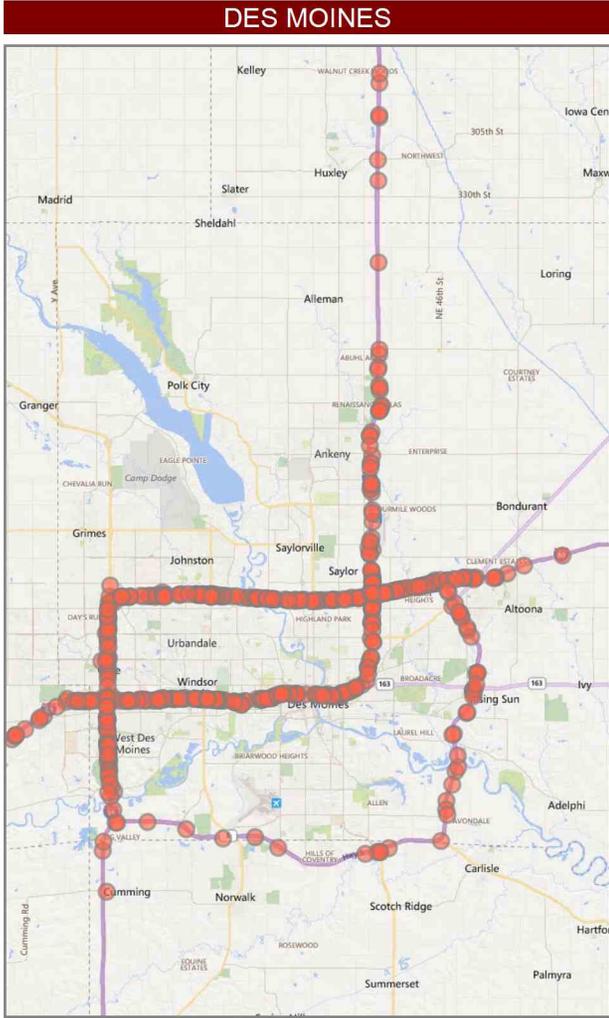
The total number of incidents Highway Helper responded to during the period.

Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City
Stalled Vehicle	940	29%	17 min		441	168	328
Disabled Vehicle	699	21%	9 min		350	118	229
Abandoned-Tagged	377	11%			198	35	142
Welfare Check	256	8%	18 min		120	58	77
Traffic Control	210	6%	57 min		112	40	58
Disabled Semi	160	5%	1 hr 4 m		68	26	66
Flat Tire	153	5%	11 min		56	31	66
Disregard	75	2%	6 min		52	8	14
Fuel	67	2%			31	16	20
2 Vehicle Crash	58	2%	56 min		37	5	16
Mechanical Repair	56	2%			23	8	25
Debris	50	2%	18 min		26	4	20
<b>Total</b>	<b>3,101</b>	<b>100%</b>	<b>43 min</b>		<b>1,514</b>	<b>517</b>	<b>1,061</b>



**HIGHWAY HELPER ASSIST BY LOCATION**

Highway Helper detected incidents and response locations.

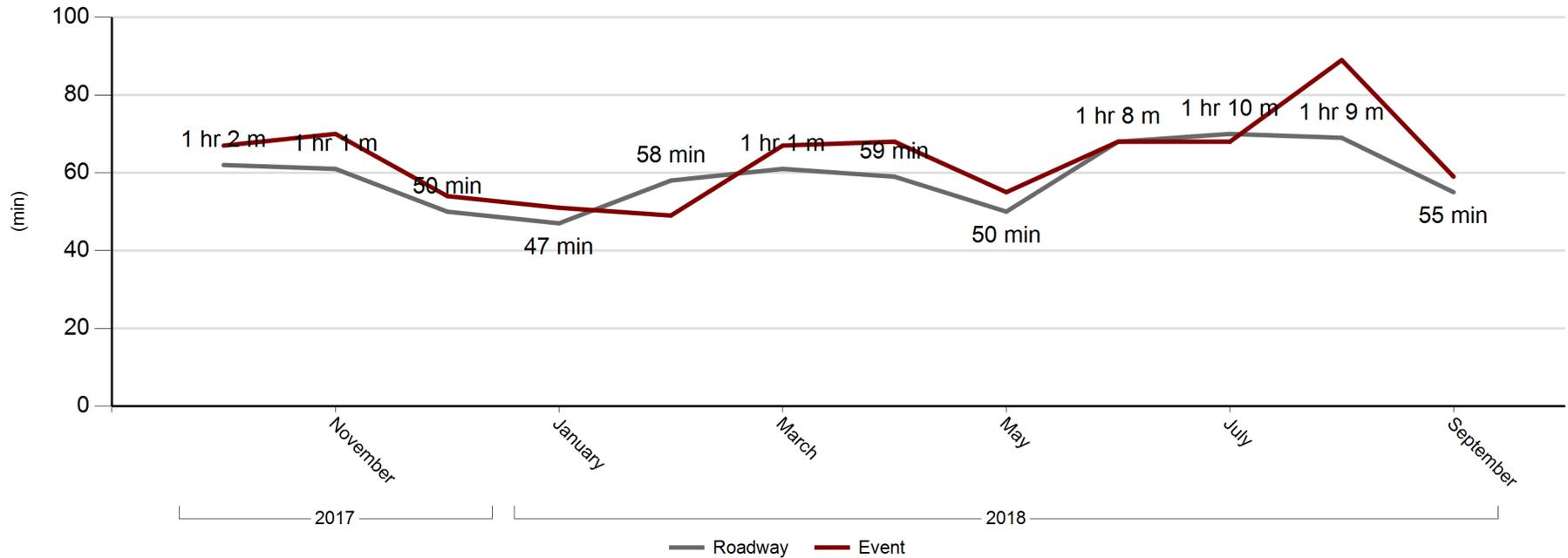


**INCIDENT CLEARANCE TIMES (CRASHES ONLY)**

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 8 m</b>	52 min	1 hr 14 m	1 hr 43 m	1 hr 37 m	2 hr 29 m	59 min
	Federal	1 hr 24 m	1 hr 4 m	1 hr 29 m	1 hr 23 m	1 hr 40 m	1 hr 42 m	1 hr 43 m
	Interstate	1 hr	52 min	54 min	2 hr 2 m	1 hr 36 m	51 min	48 min
	State	1 hr 18 m	29 min		2 hr 32 m		5 hr 43 m	30 min
Roadway	All	<b>55 min</b>	38 min	1 hr 3 m	1 hr 34 m	1 hr 22 m	2 hr 5 m	51 min
	Federal	1 hr 17 m	56 min	1 hr 28 m	1 hr 23 m	1 hr 13 m	1 hr 19 m	1 hr 39 m
	Interstate	44 min	34 min	30 min	1 hr 37 m	1 hr 27 m	46 min	36 min
	State	1 hr 15 m	23 min		2 hr 31 m		5 hr 43 m	29 min

All Roads (Interstate / Federal / State)

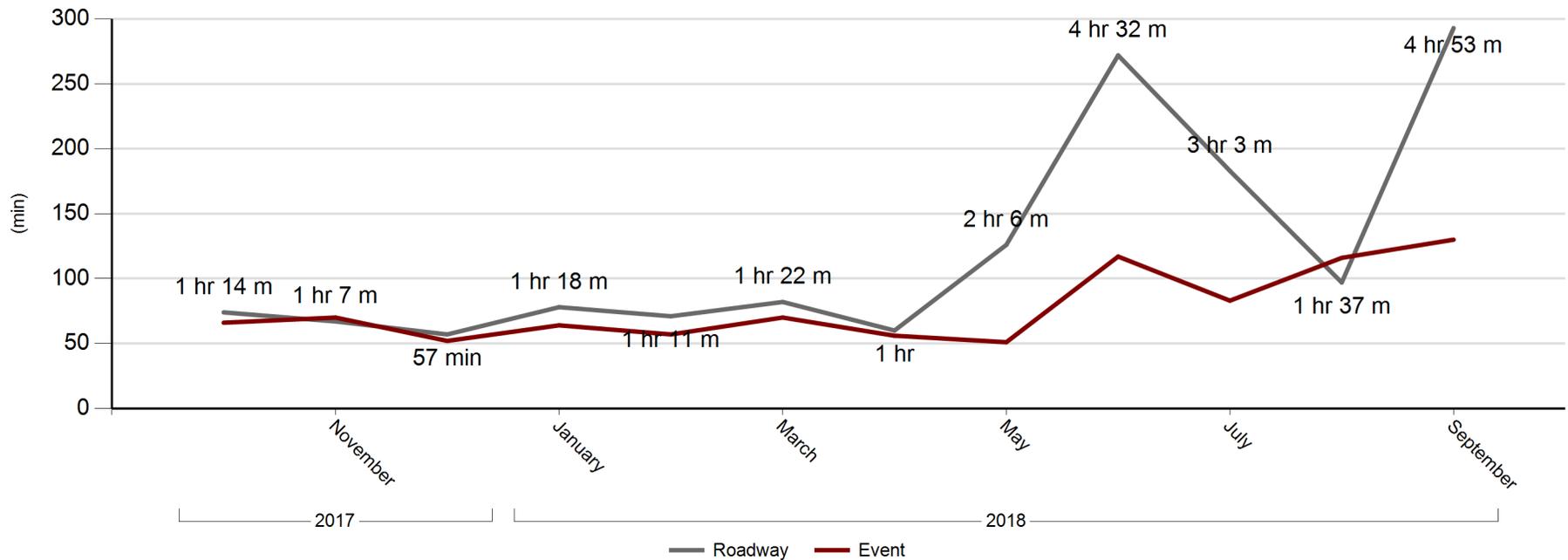


### INCIDENT CLEARANCE TIMES (ALL TYPES)

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>3 hr 2 m</b>	57 min	2 hr 4 m	10 hr 35 m	1 hr 40 m	2 hr 40 m	4 hr 40 m
	Federal	2 hr 36 m	1 hr 4 m	1 hr 5 m	7 hr 42 m	1 hr 26 m	1 hr 15 m	1 hr 55 m
	Interstate	1 hr 6 m	52 min	54 min	1 hr 39 m	1 hr 47 m	51 min	1 hr 8 m
	State	16 hr 27 m	1 hr 34 m	12 hr 28 m	1 day 12 hr 3 m		5 hr 42 m	1 day 28 min
Roadway	All	<b>4 hr 53 m</b>	50 min	6 hr 32 m	16 hr 41 m	3 hr 50 m	2 hr 5 m	3 hr 44 m
	Federal	6 hr 29 m	1 hr 7 m	9 hr 14 m	18 hr 23 m	1 hr 10 m	55 min	1 hr 42 m
	Interstate	1 hr 21 m	33 min	30 min	1 hr 22 m	5 hr 15 m	46 min	51 min
	State	13 hr 58 m	2 hr 31 m	4 hr 53 m	20 hr 6 m		5 hr 42 m	1 day 27 min

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 : 52 min)</b>								
	09/01 08:03 PM	<a href="#">59714</a>	I-235			1	2 hr 6 m	Initial report of a single vehicle crash on I-235 EB at MM 10 in Des Moines.
	09/24 08:36 PM	<a href="#">61856</a>	US-61				2 hr 27 m	Initial report of a single vehicle crash on at MM 184 in Dubuque.
	09/22 03:03 PM	<a href="#">61699</a>	US-20				2 hr 57 m	Initial report of a single vehicle crash on US-20 WB at MM 306 (near Epworth).
	09/04 08:10 AM	<a href="#">59871</a>	US-20			1	2 hr 13 m	Initial report of a single vehicle crash on US-20 WB at MM 2 in Sioux City.
	09/09 01:09 PM	<a href="#">60374</a>	US-6		1		2 hr 28 m	Initial report of a single vehicle crash on US-6 EB at MM 134 in Des Moines.
	09/21 12:26 PM	<a href="#">61612</a>	I-80			1	2 hr 58 m	Initial report of a single vehicle crash on I-80 WB at MM 129 in Urbandale.
<b>2 Vehicle Crash (Avg Impact : 1 hr)</b>								
	09/02 06:34 PM	<a href="#">59774</a>	I-29	1			5 hr 44 m	Initial report of a 2 vehicle crash on I-29 SB at MM 100 (near Little Sioux).
	09/13 07:32 PM	<a href="#">60839</a>	IA-3		7		2 hr 31 m	Initial report of a 2 vehicle crash on IA-3 EB at MM 2 (near Westfield).
	09/11 07:12 PM		US-30		2	1	3 hr 46 m	Initial report of a 2 vehicle crash on US-30 WB at MM 232 (near Newhall).
	09/23 01:56 AM	<a href="#">61733</a>	I-29		1	1	7 hr 21 m	Initial report of a 2 vehicle crash on I-29 NB at MM 32 (near Pacific Junction).
	09/10 11:51 AM	<a href="#">60442</a>	US-18		1	1	3 hr 2 m	Initial report of a 2 vehicle crash on US-18 WB at MM 190 (near Mason City).
	09/14 08:51 AM	<a href="#">60878</a>	US-6	1			4 hr 1 m	Initial report of a 2 vehicle crash on US-6 at MM 8 (near Council Bluffs).
<b>3+ Vehicle Crash (Avg Impact : 42 min)</b>								
	09/10 08:57 AM	<a href="#">60424</a>	US-18		2		2 hr 19 m	Initial report of a 3+ vehicle crash on US-18 WB at MM 53 (near Sanborn).
<b>Debris (Avg Impact : 41 min)</b>								
	09/01 04:05 AM	<a href="#">59654</a>	US-52				3 hr 25 m	Initial report of a fallen tree on US-52 SB at MM 56 in Durango.
	09/02 02:43 AM	<a href="#">59733</a>	IA-10				2 hr 19 m	Initial report of Mud on IA-10 EB at MM 38 (near Granville).
<b>Emergency Vehicles (Avg Impact : 3 hr 6 m)</b>								
	09/23 01:58 AM		I-29				18 hr 11 m	Initial report of an emergency vehicles event on I-29 SB at MM 36 (near Pacific Junction).
<b>Flooding (Avg Impact : 1 day 2 hr 42 m)</b>								
	09/22 05:26 AM		IA-31				4 days	Initial report of a flooding event on IA-31 NB at MM 19 (near Correctionville).
	09/04 07:40 AM	<a href="#">59866</a>	IA-21				4 days	Initial report of a flooding event on IA-21 at MM 54 (near Belle Plaine).
	09/22 05:25 AM	<a href="#">61666</a>	IA-31				4 days	Initial report of a flooding event on IA-31 NB at MM 20 (near Correctionville).
	09/20 11:45 PM		US-59				4 days	Initial report of a flooding event on US-59 SB at MM 159 in Cherokee.

**INCIDENTS (CLEARANCE TIME DEVIATION)**

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
Flooding (Avg Impact : 1 day 2 hr 42 m)								
	09/05 07:00 AM		IA-21				3 days	Initial report of a flooding event on IA-21 NB at MM 56 in Belle Plaine.
	09/20 11:44 PM	<a href="#">61553</a>	US-59				4 days	Initial report of a flooding event on US-59 at MM 159 in Cherokee.
Stalled Vehicle (Avg Impact : 28 min)								
	09/19 11:08 AM	<a href="#">61315</a>	I-80				3 hr 19 m	Initial report of a stalled vehicle on I-80 WB at MM 168 (near Newton).
Towing Operation (Avg Impact : 2 hr 45 m)								
	09/05 08:30 PM		I-80			1	6 hr 15 m	Initial report of a towing operation event on I-80 EB at MM 259 (near West Branch).
	09/12 10:34 AM		US-30			1	6 hr 5 m	Initial report of a towing operation event on US-30 WB at MM 299 (near Wheatland).
Vehicle Fire (Avg Impact : 1 hr 25 m)								
	09/11 04:52 AM	<a href="#">60495</a>	I-29			1	3 hr 52 m	Initial report of a Semi fire on I-29 NB at MM 76 (near Missouri Valley).