



# TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

April 2020

This report contains statistical and operational data for TMC activities from the period of April 01, 2020 to April 30, 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
March	April	March	April	March	April
<b>2,791</b>	<b>1,581</b>	<b>4</b>	<b>3</b>	<b>96</b>	<b>53</b>

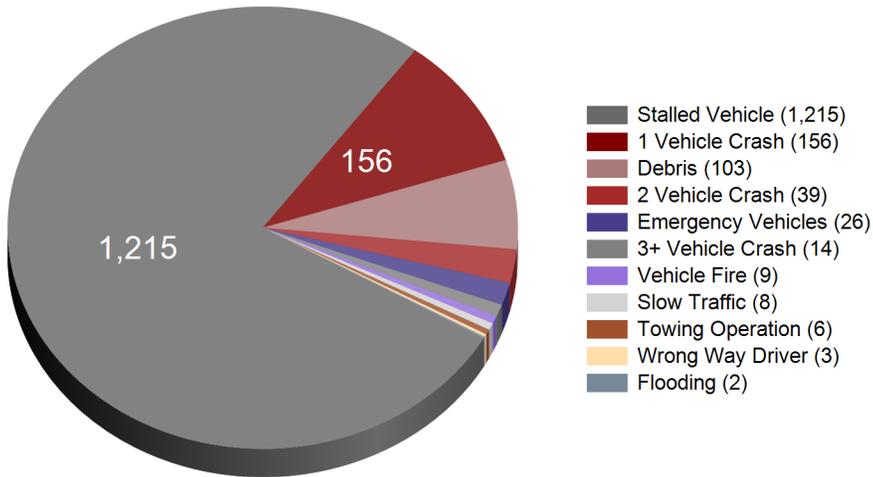
LANE BLOCKAGE INCIDENTS		AVERAGE CLEARANCE TIME		TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents which resulted in at least one blocked lane of travel.*		The average time for all lanes to be cleared after a crash.		The total number of incidents Highway Helper responded to during the period.	
Previous	Current	Previous	Current	Previous	Current
March	April	March	April	March	April
<b>209</b>	<b>162</b>	<b>1 hr 6 m</b>	<b>1 hr 14 m</b>	<b>1,344</b>	<b>807</b>

\* - excludes roadwork

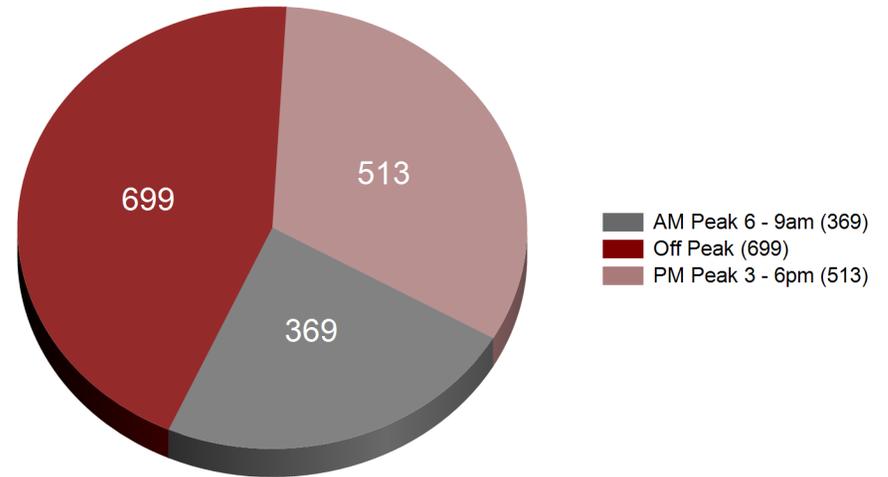
\*\* - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

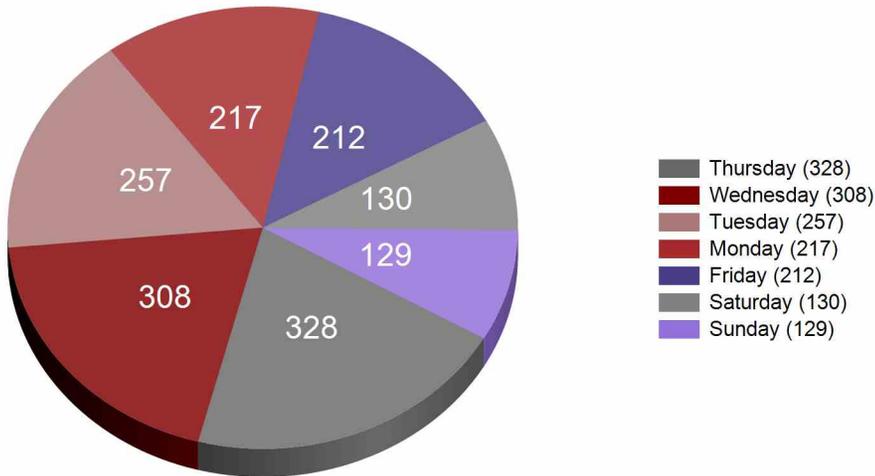
Incidents By Type



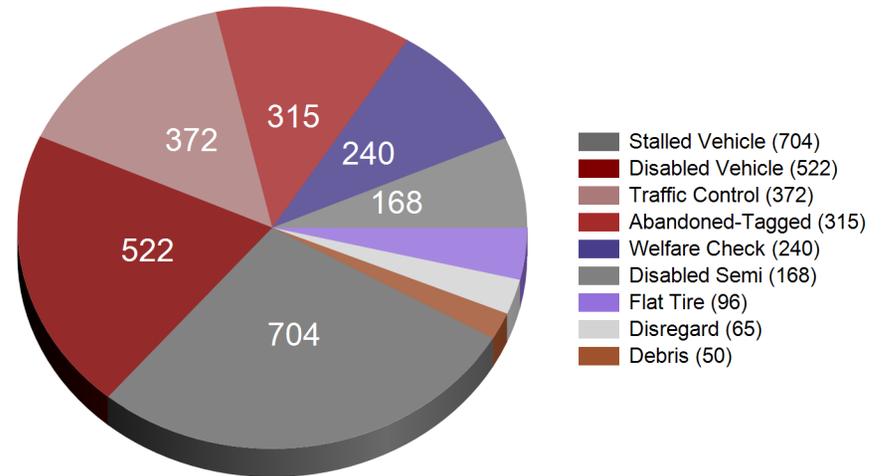
Incidents By Shift



Incidents By Day



Highway Helper Response

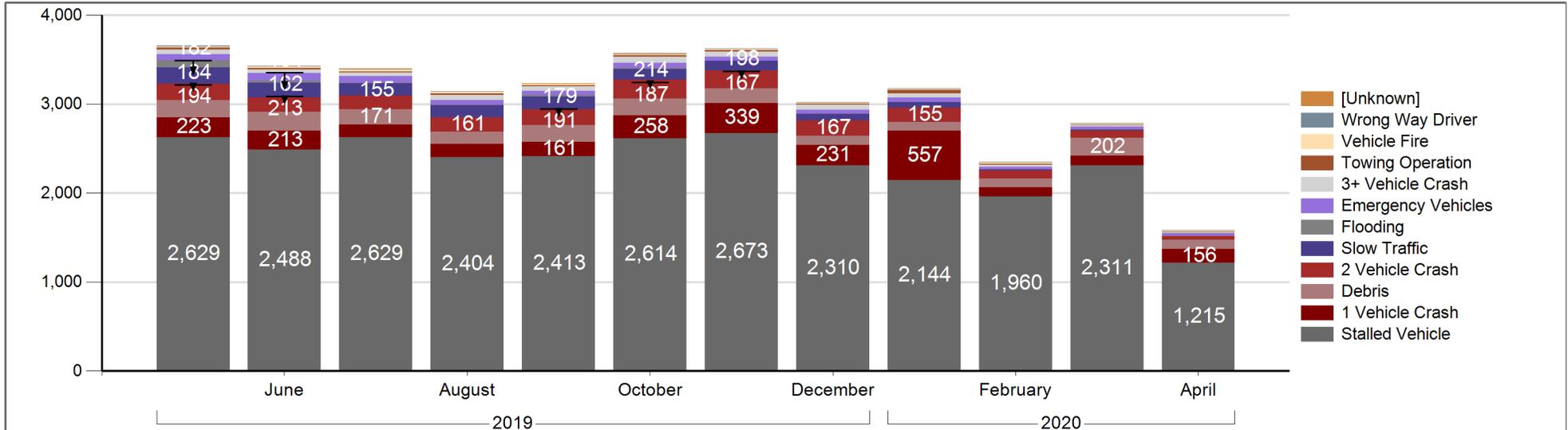


### INCIDENT TOTALS BY TYPE

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	1,215	77%	1 hr 1 m	626	26	9	126	19	387
1 Vehicle Crash	156	10%	1 hr 8 m	61	6	10	29	13	37
Debris	103	7%	12 min	35	4	10	17	2	34
2 Vehicle Crash	39	2%	1 hr 34 m	12	3	7	7	3	7
Emergency Vehicles	26	2%	1 hr 53 m	8	4	5	4	1	4
3+ Vehicle Crash	14	1%	1 hr 5 m	9	0	1	3	0	1
Vehicle Fire	9	1%	1 hr 20 m	2	1	0	0	0	6
Slow Traffic	8	1%		4	0	0	0	0	4
Towing Operation	6	0%	4 hr 59 m	1	0	1	1	1	2
Wrong Way Driver	3	0%	32 min	1	0	0	0	0	2
Flooding	2	0%	9 days	0	0	0	0	0	2
<b>Total</b>	<b>1,581</b>	<b>100%</b>	<b>4 hr 3 m</b>	<b>759</b>	<b>44</b>	<b>43</b>	<b>187</b>	<b>39</b>	<b>486</b>

\* - Totals include Highway Helper Incidents

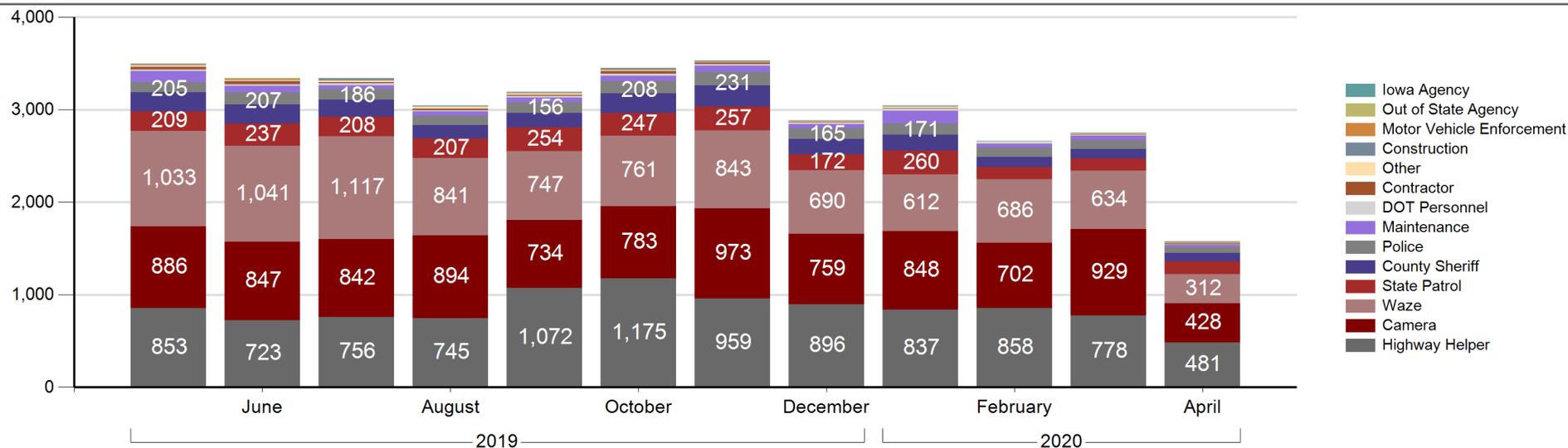


### INCIDENT TOTALS BY DETECTION TYPE

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	481	30%	202	0	0	75	4	199
Camera	428	27%	247	16	3	30	6	111
Waze	312	20%	167	11	3	30	10	85
State Patrol	138	9%	60	9	12	30	5	22
County Sheriff	95	6%	18	5	20	14	4	34
Police	63	4%	29	1	3	4	3	22
Maintenance	18	1%	7	0	1	3	4	3
Other	18	1%	8	2	1	1	0	6
Contractor	10	1%	9	0	0	0	1	0
DOT Personnel	10	1%	6	0	0	0	0	4
Construction	5	0%	3	0	0	0	2	0
Motor Vehicle Enforcement	3	0%	3	0	0	0	0	0
<b>Total</b>	<b>1,581</b>	<b>100%</b>	<b>759</b>	<b>44</b>	<b>43</b>	<b>187</b>	<b>39</b>	<b>486</b>

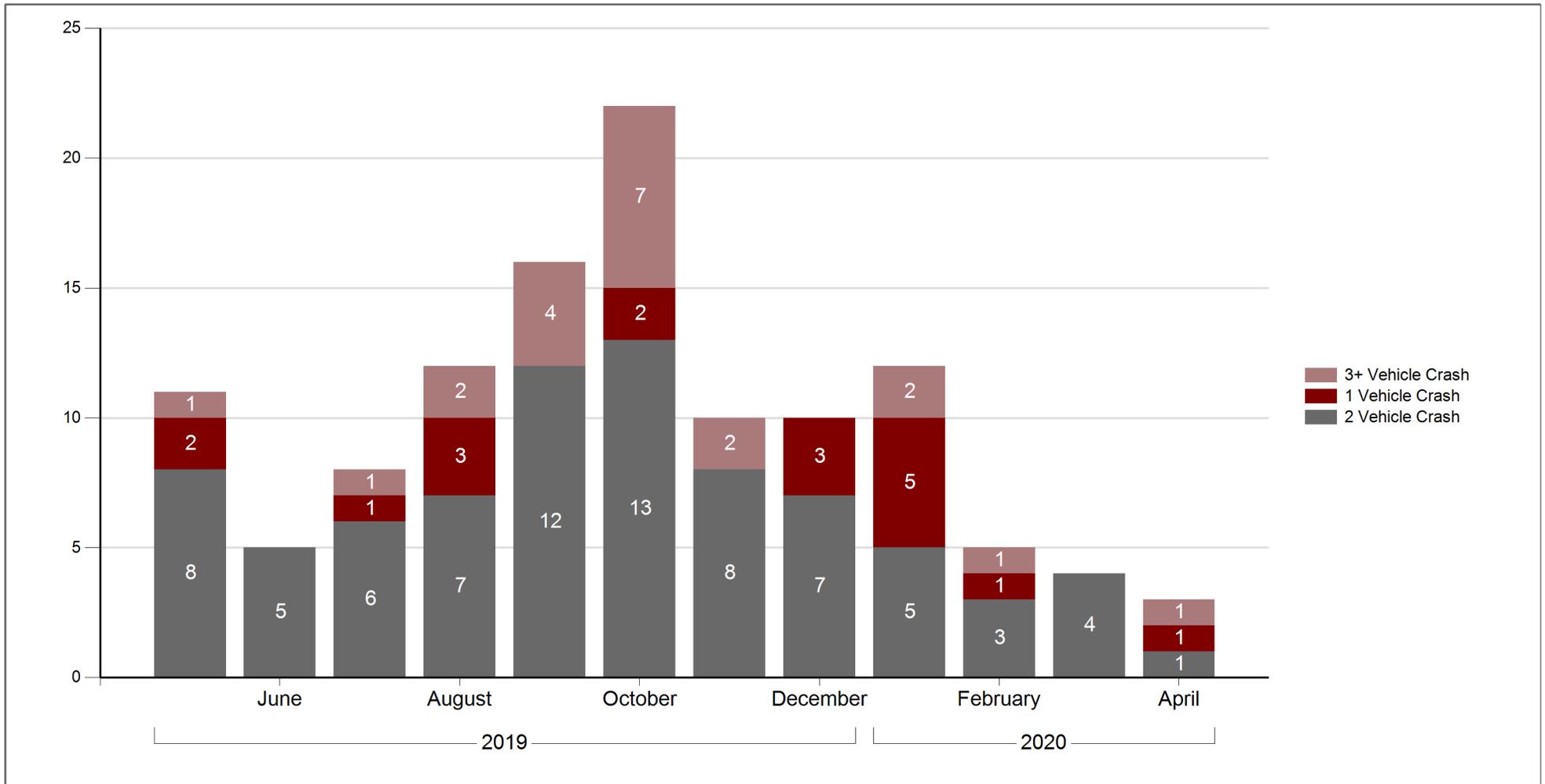
\* - Totals include Highway Helper Incidents



### SECONDARY INCIDENTS BY TYPE

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

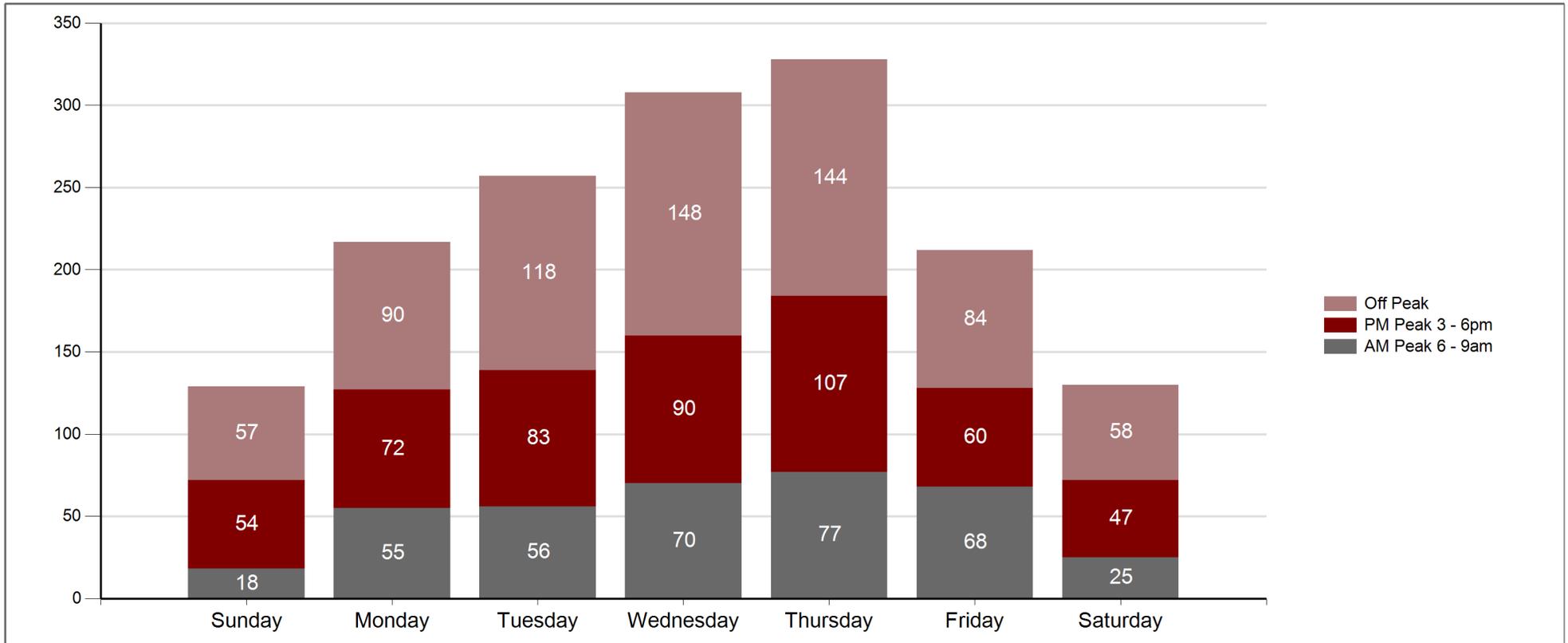
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
1 Vehicle Crash	1	33%	2 hr 42 m	0	0	1	0	0	0
2 Vehicle Crash	1	33%		0	0	1	0	0	0
3+ Vehicle Crash	1	33%	38 min	1	0	0	0	0	0
<b>Total</b>	<b>3</b>	<b>100%</b>	<b>1 hr 40 m</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</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.

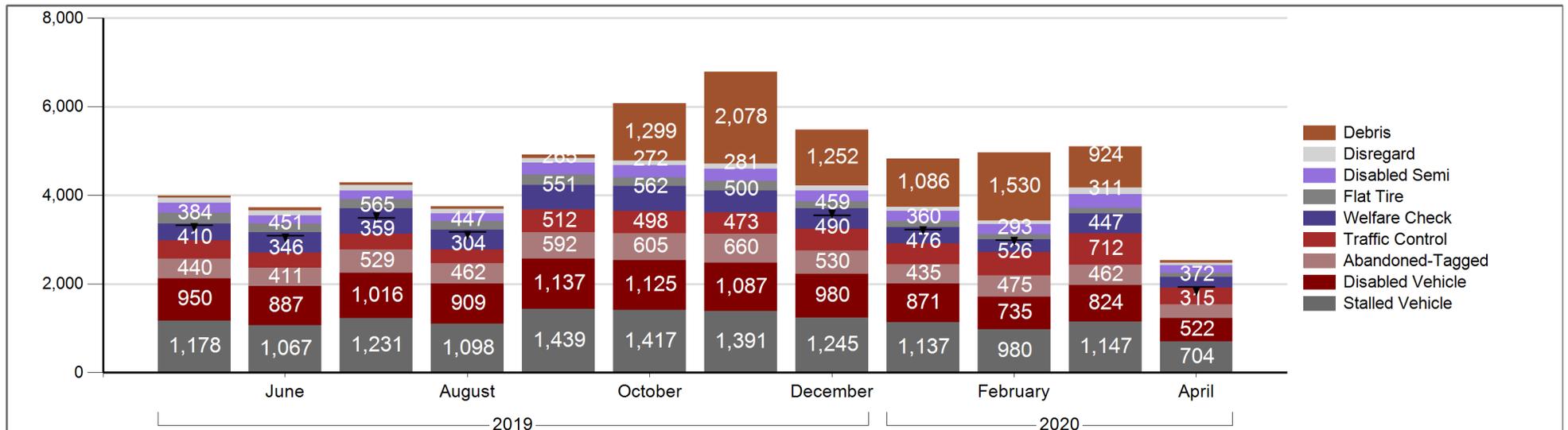
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Thursday	328	21%	53 min	141	8	11	43	12	106
Wednesday	308	19%	1 hr 23 m	135	6	2	33	9	116
Tuesday	257	16%	1 hr 41 m	126	7	7	31	4	79
Monday	217	14%	23 hr 13 m	112	3	6	21	4	70
Friday	212	13%	1 hr 15 m	100	1	6	37	5	63
Saturday	130	8%	2 hr 13 m	77	7	1	13	3	25
Sunday	129	8%	1 hr 1 m	68	12	10	9	2	27
<b>Total</b>	<b>1,581</b>	<b>100%</b>	<b>53 min</b>	<b>759</b>	<b>44</b>	<b>43</b>	<b>187</b>	<b>39</b>	<b>486</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	Davenport
Stalled Vehicle	704	26%	51 min		345	85	150	124
Disabled Vehicle	522	19%	53 min		277	61	109	75
Traffic Control	391	14%	44 min		176	53	93	69
Abandoned-Tagged	316	12%			178	42	51	45
Welfare Check	244	9%	1 hr 31 m		98	27	66	53
Disabled Semi	168	6%	42 min		63	21	40	44
Flat Tire	96	3%	1 hr 3 m		39	13	25	19
Disregard	85	3%	10 min		58	7	13	7
Debris	50	2%	32 min		20	14	8	8
Fuel	36	1%			21	4	7	4
1 Vehicle Crash	24	1%	35 min		12	3	7	2
Jump Start	20	1%			8	3	7	2
<b>Total</b>	<b>2,656</b>	<b>100%</b>	<b>43 min</b>		<b>1,295</b>	<b>333</b>	<b>576</b>	<b>452</b>



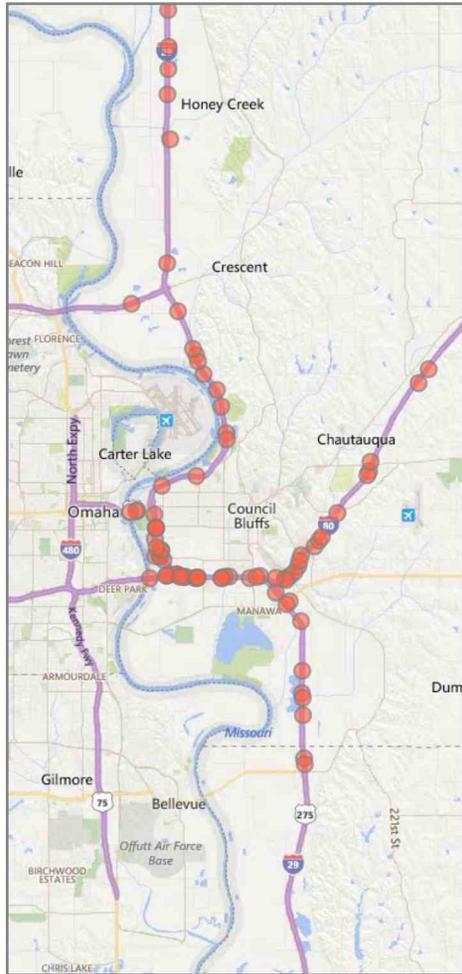
**HIGHWAY HELPER ASSIST BY LOCATION**

Highway Helper detected incidents and response locations.

**DES MOINES**



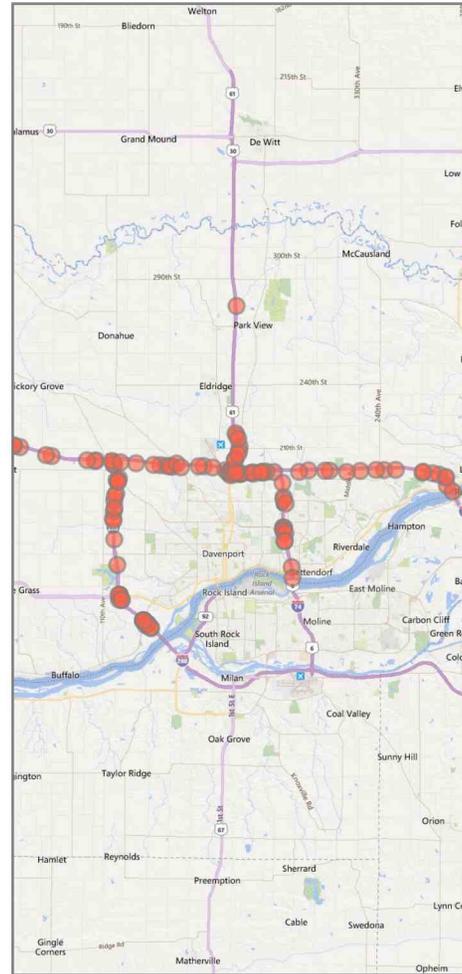
**COUNCIL BLUFFS**



**CEDAR RAPIDS / IOWA CITY**



**DAVENPORT**

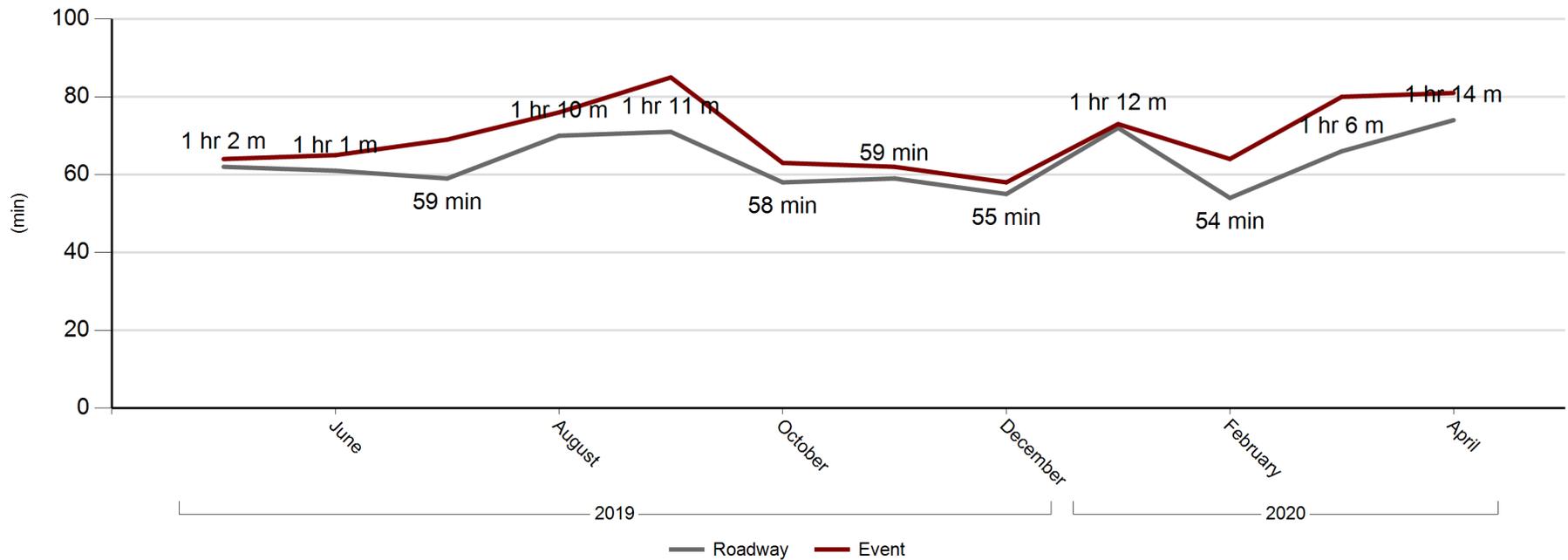


### INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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	<b>1 hr 25 m</b>	54 min	2 hr 15 m	2 hr 58 m	1 hr 47 m	1 hr 2 m	1 hr 8 m
	Federal	2 hours	1 hr 2 m	2 hr 21 m	3 hr 37 m		39 min	43 min
	Interstate	1 hr 13 m	50 min	1 hr 43 m		1 hr 46 m	1 hr 31 m	1 hr 18 m
	State	1 hr 14 m	1 hr 8 m		1 hr 42 m	1 hr 54 m	13 min	10 min
Roadway	All	<b>1 hr 14 m</b>	51 min	1 hr 54 m	2 hr 45 m	1 hr 30 m	1 hr 6 m	46 min
	Federal	1 hr 51 m	52 min	1 hr 58 m	3 hr 35 m		40 min	42 min
	Interstate	1 hr 1 m	46 min	1 hr 32 m		1 hr 26 m	1 hr 40 m	53 min
	State	1 hr 9 m	1 hr 8 m		1 hr 32 m	1 hr 52 m	13 min	9 min

All Roads (Interstate / Federal / State)

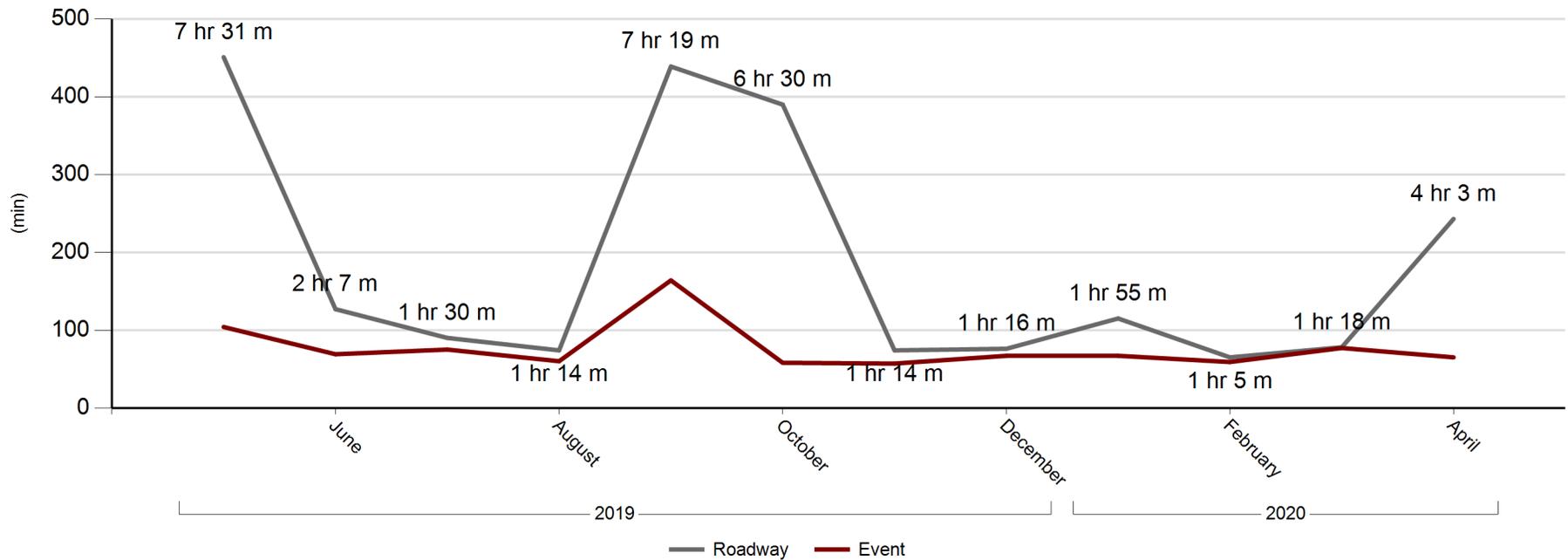


### INCIDENT CLEARANCE TIMES (ALL TYPES)

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>1 hr 20 m</b>	59 min	2 hr 15 m	2 hr 5 m	1 hr 31 m	1 hr 2 m	1 hr 15 m
	Federal	1 hr 46 m	1 hr 2 m	2 hr 21 m	2 hr 54 m	17 min	39 min	1 hr 12 m
	Interstate	1 hr 11 m	57 min	1 hr 43 m	10 min	1 hr 31 m	1 hr 31 m	1 hr 19 m
	State	1 hr 18 m	1 hr 7 m		1 hr 32 m	1 hr 52 m	13 min	10 min
Roadway	All	<b>4 hr 3 m</b>	55 min	2 hr 10 m	2 hr 1 m	1 hr 21 m	1 hr 38 m	13 hr 48 m
	Federal	13 hr 25 m	47 min	2 hr 32 m	3 hr 24 m	17 min	40 min	1 day 16 hr
	Interstate	1 hr 11 m	49 min	1 hr 32 m	9 min	1 hr 18 m	2 hr 47 m	1 hr 32 m
	State	1 hr 9 m	1 hr 20 m	1 hr 1 m	1 hr 5 m	1 hr 51 m	12 min	9 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 : 1 hr 8 m)</b>								
	04/07 06:43 AM	<a href="#">124900</a>	I-680			1	4 hr 7 m	Initial report of a single vehicle crash on I-680 WB at MM 13 (near Missouri Valley).
	04/02 09:43 PM	<a href="#">124722</a>	US-75			1	2 hr 42 m	Initial report of a single vehicle crash on US-75 SB at MM 100 in Sioux City.
	04/07 05:32 PM	<a href="#">124941</a>	IA-2	1			3 hr 8 m	Initial report of a single vehicle crash on IA-2 EB at MM 34 (near Shenandoah).
	04/26 10:37 AM	<a href="#">125925</a>	US-20	1		1	4 hr 8 m	Initial report of a single vehicle crash on US-20 WB at MM 18 (near Merville).
	04/15 06:47 AM	<a href="#">125357</a>	I-35			1	2 hr 17 m	Initial report of a single vehicle crash on I-35 NB at MM 35 (near Osceola).
	04/16 11:35 PM	<a href="#">125470</a>	I-35			1	3 hr 18 m	Initial report of a single vehicle crash on I-35 NB at MM 13 (near Decatur City).
	04/16 10:28 PM	<a href="#">125467</a>	IA-17		1	1	2 hr 10 m	Initial report of a single vehicle crash on IA-17 SB at MM 1 in Granger.
	04/07 06:28 PM	<a href="#">124948</a>	IA-415				3 hr 17 m	Initial report of a single vehicle crash on IA-415 at MM 3 (near Saylorville).
<b>2 Vehicle Crash (Avg Impact : 1 hr 34 m)</b>								
	04/28 01:29 PM	<a href="#">126050</a>	US-18	1		1	5 hr 43 m	Initial report of a 2 vehicle crash on US-18 WB at MM 66 (near Everly).
	04/18 05:45 PM	<a href="#">125558</a>	US-18		2	1	7 hr 21 m	Initial report of a 2 vehicle crash on US-18 WB/EB at MM 300 (near McGregor).
	04/24 10:59 AM	<a href="#">125846</a>	I-80		2		3 hr 41 m	Initial report of a 2 vehicle crash on I-80 EB at MM 64 (near Brayton).
	04/13 08:28 AM	<a href="#">125237</a>	US-18			1	6 hr 44 m	Initial report of a 2 vehicle crash on US-18 WB at MM 109 (near Emmetsburg).
<b>Emergency Vehicles (Avg Impact : 1 hr 53 m)</b>								
	04/18 05:47 PM	<a href="#">125559</a>	US-18				7 hr 20 m	Initial report of an emergency vehicles event on US-18 EB at MM 300 (near McGregor).
<b>Stalled Vehicle (Avg Impact : 1 hr 1 m)</b>								
	04/29 02:42 PM	<a href="#">126133</a>	I-80				4 hr 6 m	Initial report of a stalled vehicle on I-80 WB at MM 33 (near Shelby).
	04/14 03:32 PM	<a href="#">125315</a>	I-35			1	3 hr 34 m	Initial report of a stalled vehicle on I-35 SB at MM 123 (near Story City).
<b>Vehicle Fire (Avg Impact : 1 hr 20 m)</b>								
	04/27 10:36 AM	<a href="#">125972</a>	I-80				3 hr 7 m	Initial report of a vehicle fire on I-80 WB at MM 212 (near Ladora).
	04/12 06:31 AM	<a href="#">125169</a>	I-80			1	3 hr 24 m	Initial report of a vehicle fire on I-80 WB at MM 239 in Tiffin.

**SECONDARY INCIDENTS**

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
1 Vehicle Crash								
Primary	04/26 04:43 PM	<a href="#">125940</a>	IA-28				30 min	Initial report of a single vehicle crash on IA-28 SB at MM 17 in Windsor Heights.
**	04/26 05:07 PM	<a href="#">125941</a>	IA-28				1 hr	Initial report of a 3+ vehicle crash on IA-28 NB at MM 17 in Des Moines.
Primary	04/02 09:21 PM	<a href="#">124719</a>	US-75				1 hr 9 m	Initial report of a single vehicle crash on US-75 SB at MM 99 in Sioux City.
**	04/02 09:43 PM	<a href="#">124722</a>	US-75			1	48 min	Initial report of a single vehicle crash on US-75 SB at MM 100 in Sioux City.
Primary	04/02 09:21 PM	<a href="#">124719</a>	US-75				1 hr 9 m	Initial report of a single vehicle crash on US-75 SB at MM 99 in Sioux City.
**	04/02 09:43 PM	<a href="#">124721</a>	US-75				45 min	Initial report of a 2 vehicle crash on US-75 SB at MM 100 in Sioux City.