



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

December 2023

This report contains statistical and operational data for TMC activities from the period of December 01, 2023 to December 31, 2023.

Executive Summary

TOTAL INCIDENTS	
The total number of incidents during the period. *	
Previous	Current
November	December
3,823	3,548

TOTAL SECONDARY INCIDENTS	
Crashes that occur within the original incident scene or resulting queue.	
Previous	Current
November	December
11	7

TOTAL MULTI-VEHICLE INCIDENTS	
The total number of multi-vehicle incidents during the period.	
Previous	Current
November	December
203	163

LANE BLOCKAGE INCIDENTS	
The total number of incidents which resulted in at least one blocked lane of travel.*	
Previous	Current
November	December
294	225

AVERAGE CLEARANCE TIME	
The average time for all lanes to be cleared after a crash.	
Previous	Current
November	December
1 hr 5 m	1 hr 10 m

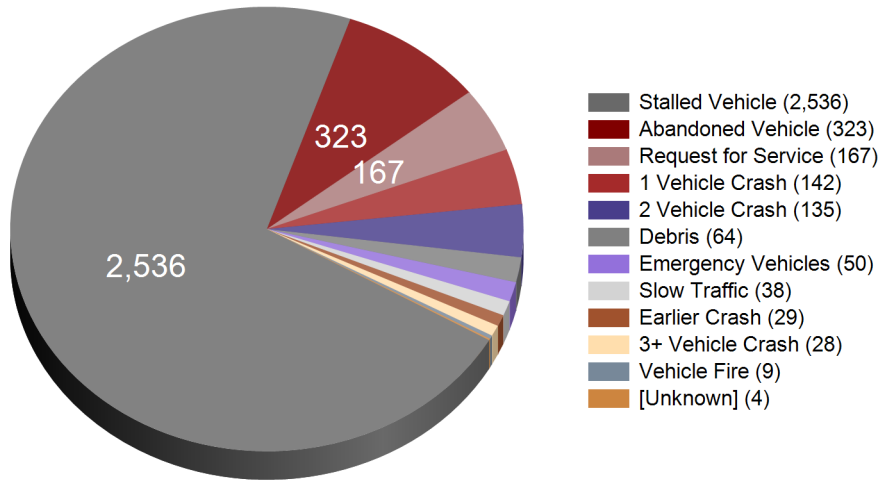
TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents Highway Helper responded to during the period.	
Previous	Current
November	December
1,224	1,061

* - excludes roadwork

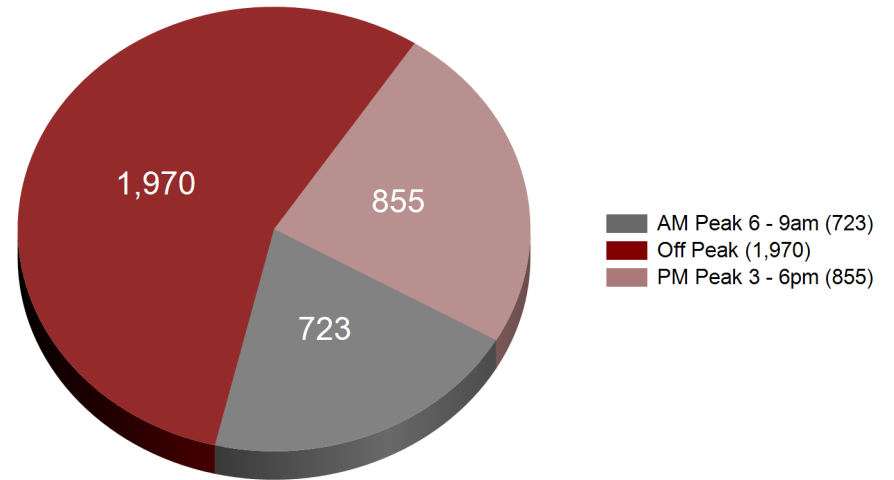
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

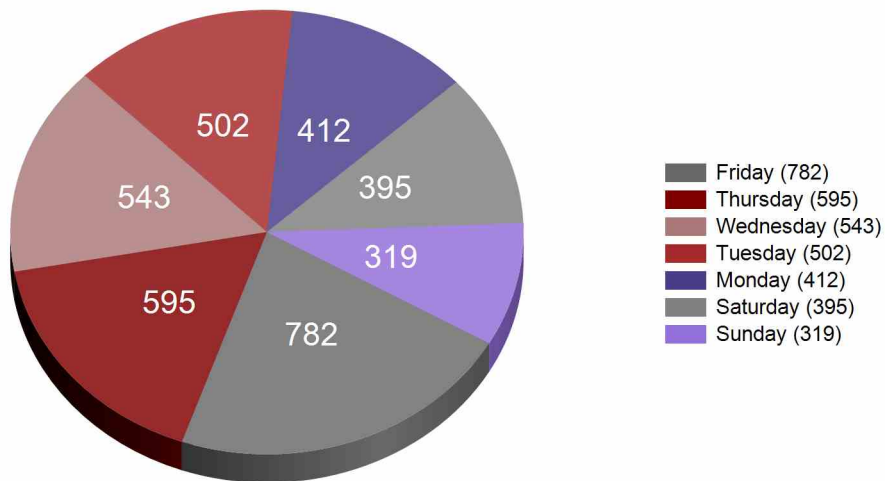
Incidents By Type



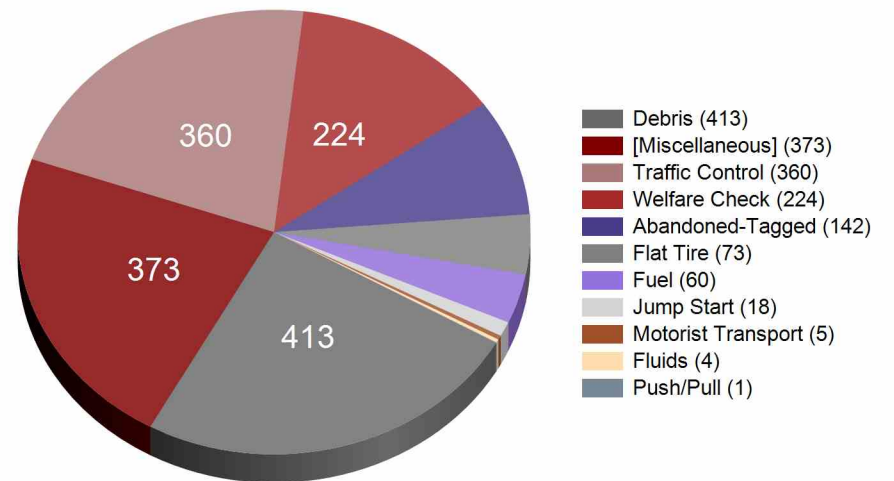
Incidents By Shift



Incidents By Day



Highway Helper Response

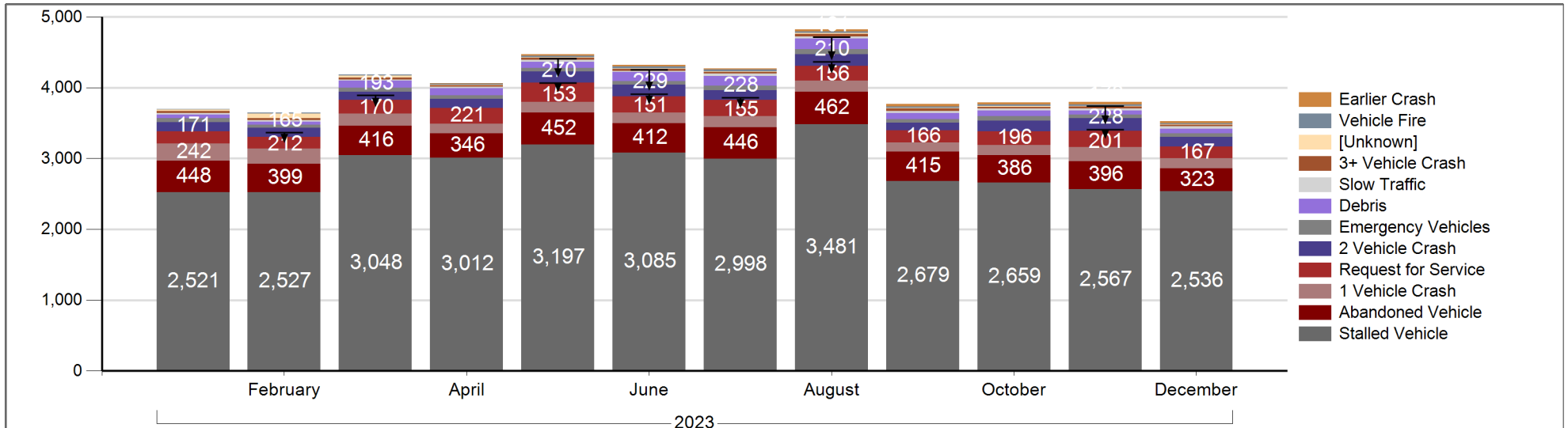


INCIDENT TOTALS BY TYPE

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	2,536	71%	39 min	1,159	97	41	299	51	889
Abandoned Vehicle	323	9%		114	0	11	48	12	138
Request for Service	167	5%	5 min	43	23	32	14	13	42
1 Vehicle Crash	142	4%	1 hr 15 m	40	5	10	30	19	38
2 Vehicle Crash	135	4%	1 hr 12 m	65	5	12	13	8	32
Debris	64	2%	27 min	38	2	1	5	0	18
Emergency Vehicles	50	1%	42 min	22	1	4	5	1	17
Slow Traffic	38	1%		22	0	0	0	0	16
Earlier Crash	29	0.82%		7	3	1	6	4	8
3+ Vehicle Crash	28	0.79%	37 min	15	1	1	2	2	7
Vehicle Fire	9	0.25%	39 min	6	0	0	1	1	1
Wrong Way Driver	8	0.23%		1	0	0	0	0	7
Total	3,529	100%	1 hr 1 m	1,532	137	113	423	111	1,213

* - Totals include Highway Helper Incidents

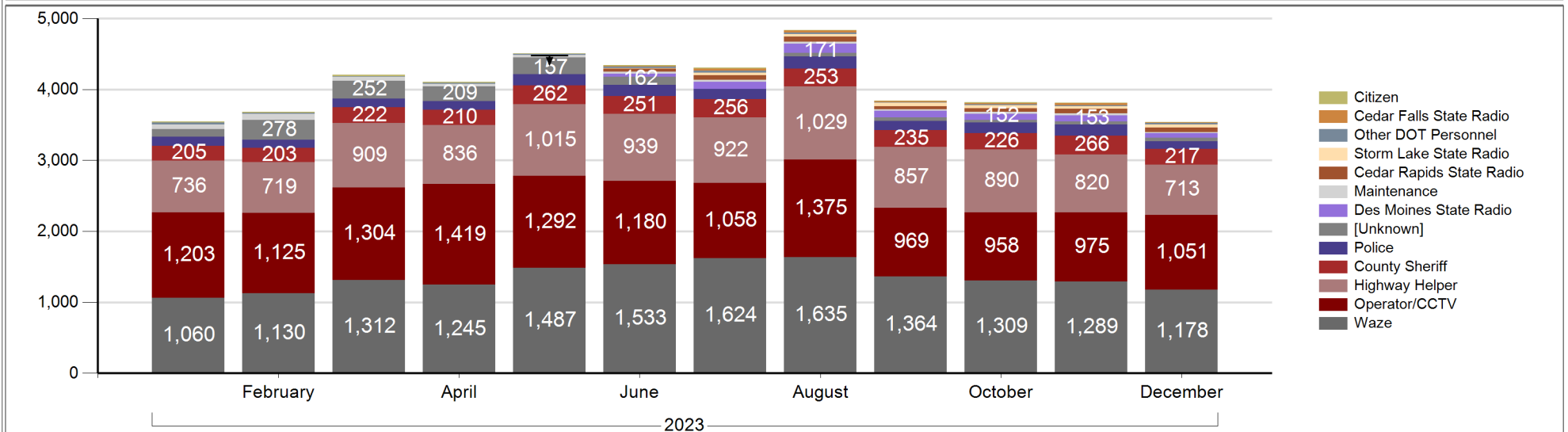


INCIDENT TOTALS BY DETECTION TYPE

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	1,178	33%	556	23	40	132	41	386
Operator/CCTV	1,051	30%	536	59	9	103	14	330
Highway Helper	713	20%	238	0	1	115	8	351
County Sheriff	217	6%	50	28	41	25	26	47
Police	110	3%	63	4	9	3	3	28
Des Moines State Radio	66	2%	49	0	0	5	11	1
Other	65	2%	30	14	0	5	4	12
Cedar Rapids State Radio	59	2%	4	0	0	0	7	48
Storm Lake State Radio	48	1%	0	0	11	37	0	0
Other DOT Personnel	15	0.42%	4	0	2	0	3	6
Maintenance	15	0.42%	4	2	0	3	1	5
Cedar Falls State Radio	11	0.31%	2	8	0	0	0	1
Total	3,548	100%	1,536	138	113	428	118	1,215

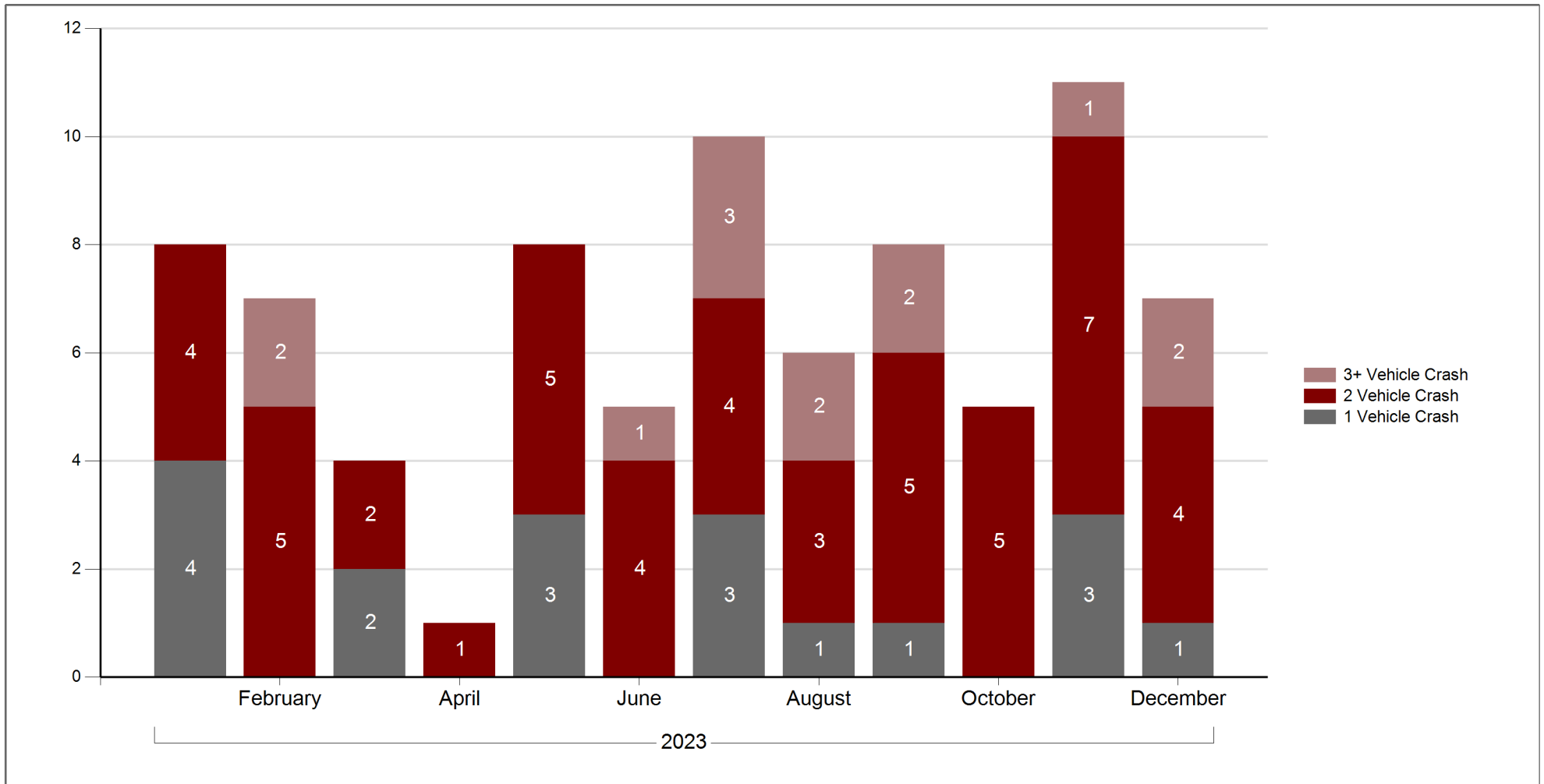
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

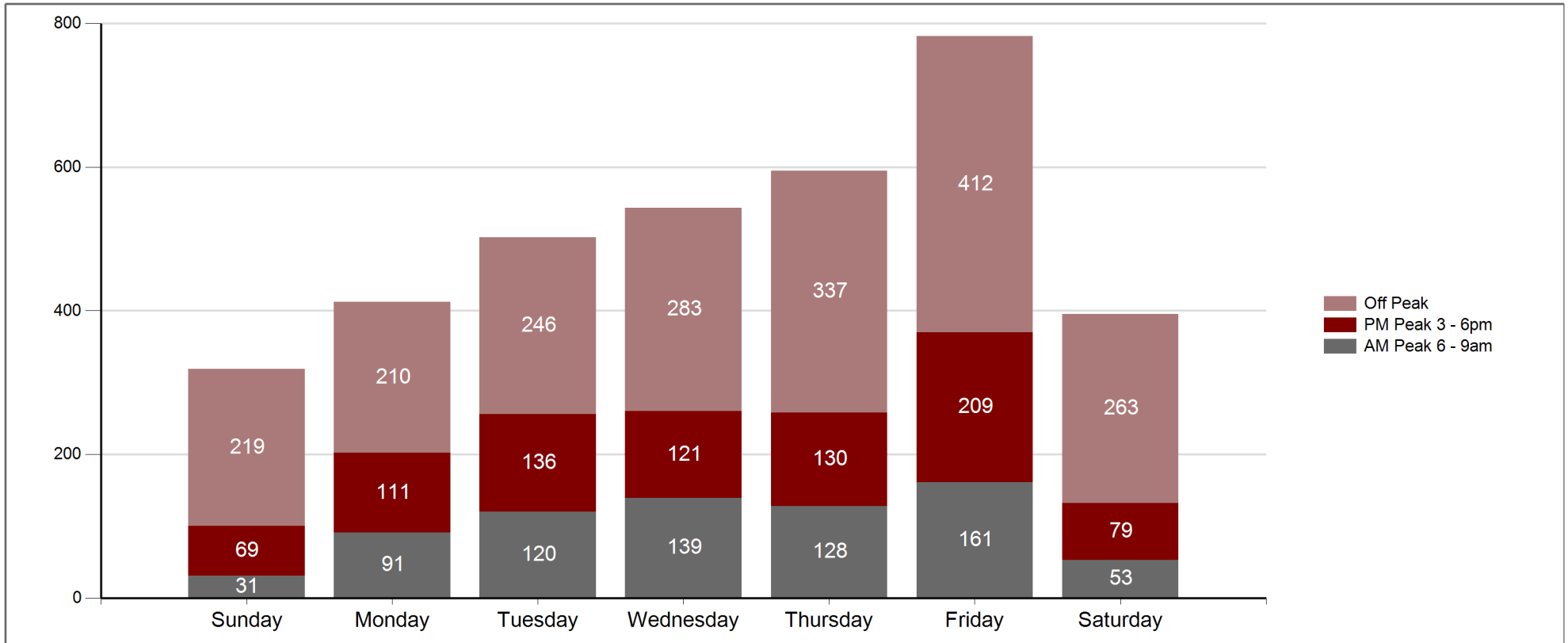
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	4	57%	7 hr 15 m	2	0	1	0	1	0
3+ Vehicle Crash	2	29%		2	0	0	0	0	0
1 Vehicle Crash	1	14%		1	0	0	0	0	0
Total	7	100%	7 hr 15 m	5	0	1	0	1	0



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.

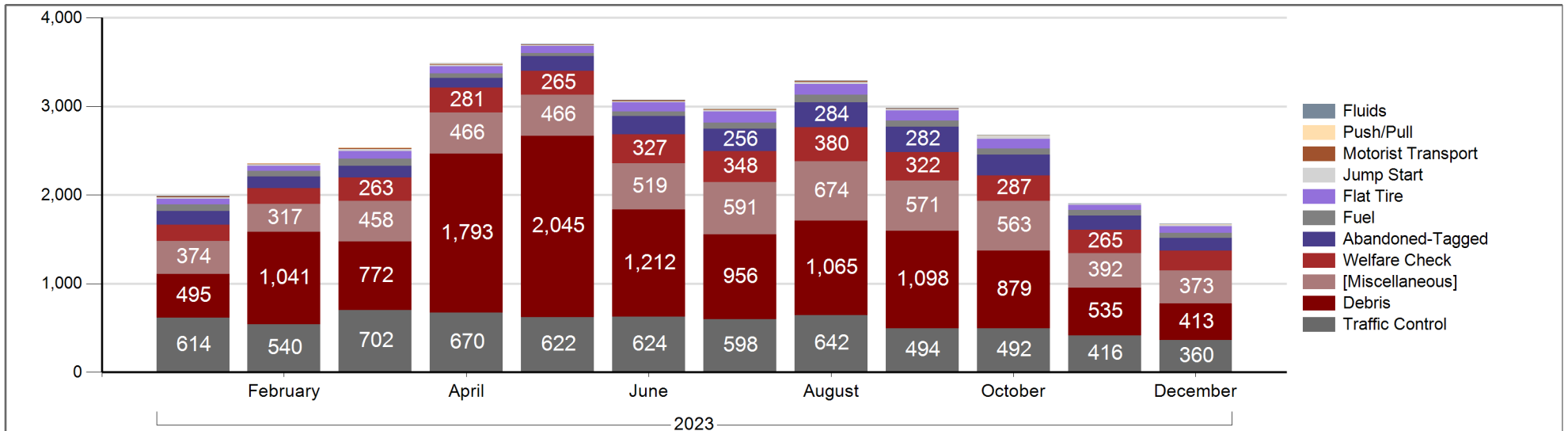
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Friday	782	22%	1 hr 2 m	318	38	19	87	37	283
Thursday	595	17%	41 min	239	24	15	75	14	228
Wednesday	543	15%	43 min	267	13	17	64	13	169
Tuesday	502	14%	47 min	191	32	18	62	20	179
Monday	412	12%	1 hr 13 m	173	12	17	56	10	144
Saturday	395	11%	2 hr 8 m	201	12	14	33	16	119
Sunday	319	9%	29 min	147	7	13	51	8	93
Total	3,548	100%	1 hr 2 m	1,536	138	113	428	118	1,215



HIGHWAY HELPER RESPONSES

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

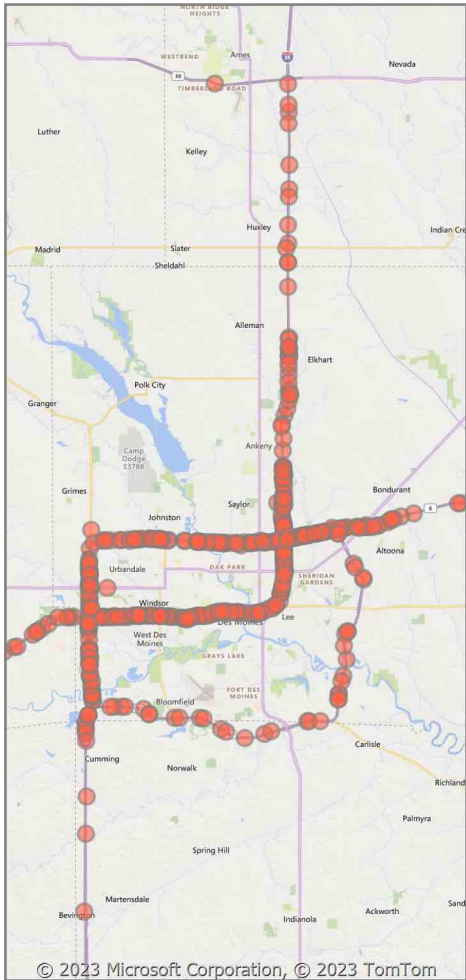
Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City	Davenport
Debris	413	25%	37 min		208	46	55	104
[Miscellaneous]	373	22%	32 min		169	58	68	78
Traffic Control	360	22%	39 min		150	50	70	90
Welfare Check	224	13%	1 hr		90	41	48	45
Abandoned-Tagged	142	8%			60	32	24	26
Flat Tire	73	4%	7 min		22	10	22	19
Fuel	60	4%			28	8	12	12
Jump Start	18	1%			8	2	4	4
Motorist Transport	5	0.30%			0	0	2	3
Fluids	4	0.24%			1	0	2	1
Push/Pull	1	0.06%			0	1	0	0
Total	1,673	100%	37 min		736	248	307	382



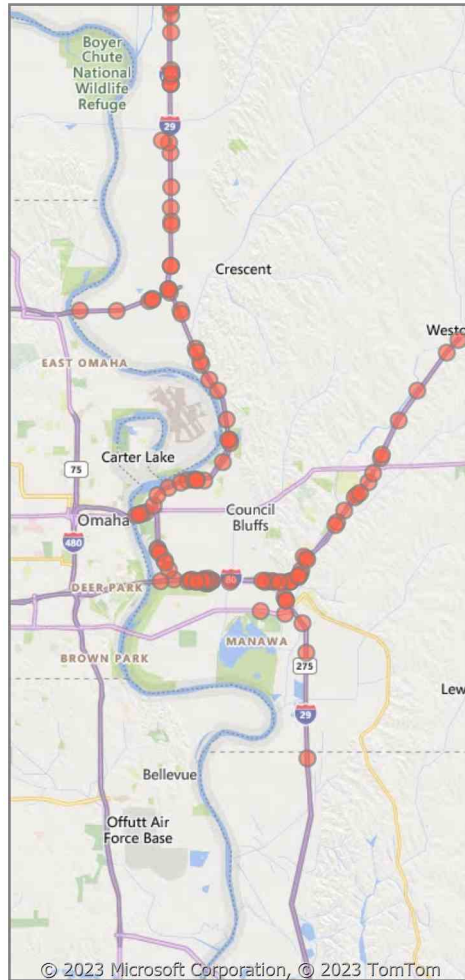
HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

DES MOINES



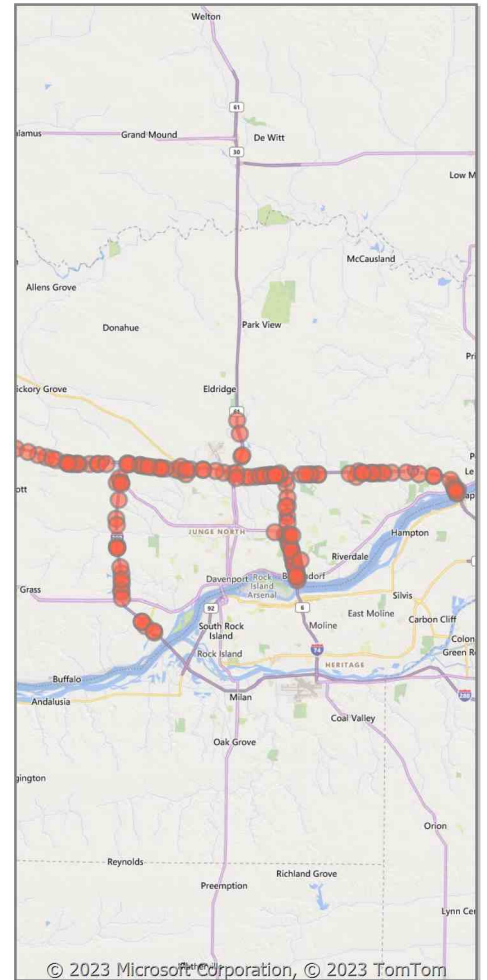
COUNCIL BLUFFS



CEDAR RAPIDS / IOWA CITY



DAVENPORT

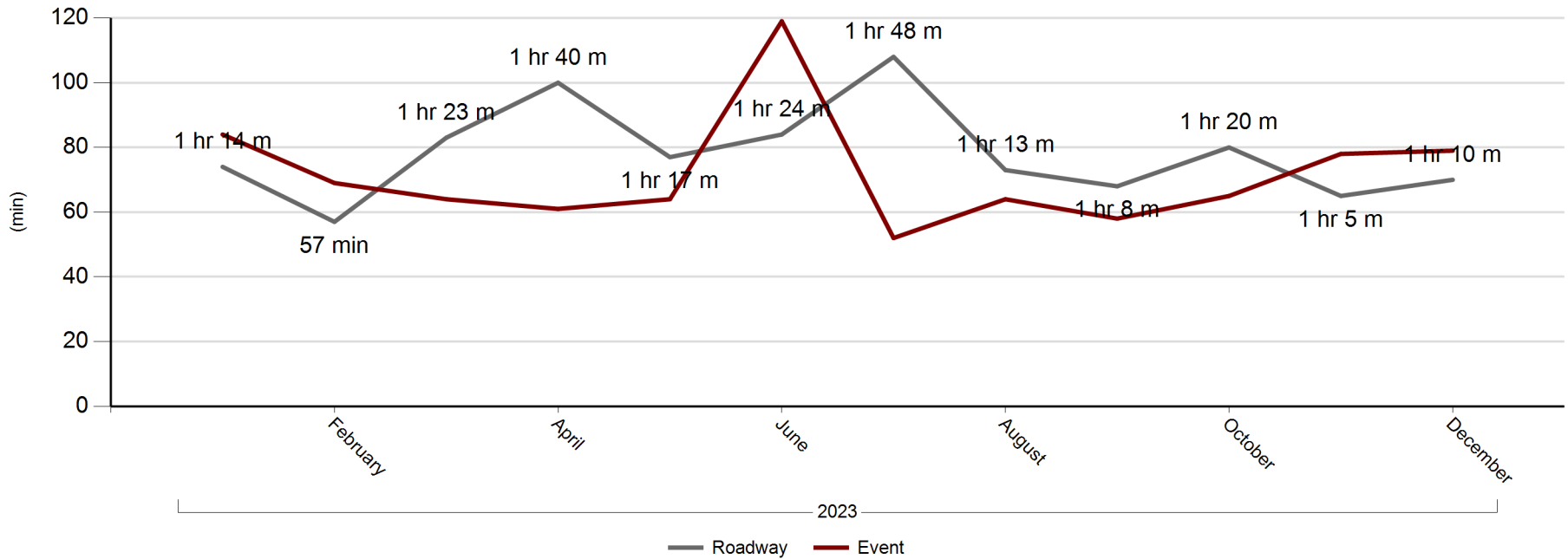


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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 19 m	1 hr 30 m	3 hr 5 m	1 hr 16 m	1 hr 55 m	1 hr 4 m	42 min
	Federal	56 min	31 min		47 min	3 hr 51 m	1 hr 4 m	31 min
	Interstate	1 hr 24 m	1 hr 39 m		16 min	1 hr 32 m		48 min
	State	1 hr 30 m	42 min	3 hr 5 m	2 hr 1 m			35 min
Roadway	All	1 hr 10 m	46 min	17 min	1 hr 58 m	1 hr 39 m	2 hr 4 m	59 min
	Federal	1 hr 57 m	2 hr 44 m	19 min	3 hr 9 m	2 hr 20 m	1 hr 45 m	1 hr 13 m
	Interstate	50 min	28 min		33 min	1 hr 33 m	3 hr 41 m	57 min
	State	58 min	40 min	13 min	1 hr	1 hr 35 m	1 hr 54 m	43 min

All Roads (Interstate / Federal / State)

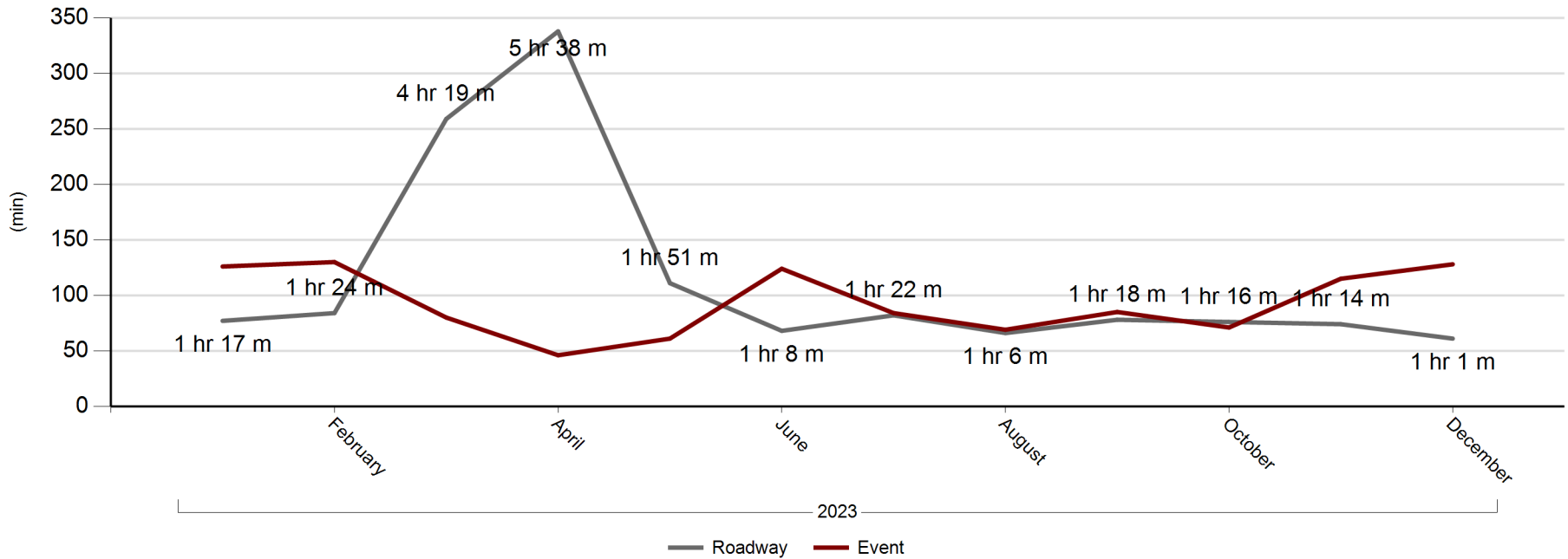


INCIDENT CLEARANCE TIMES (ALL TYPES)

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	2 hr 8 m	1 hr 49 m	3 hr 5 m	1 hr 16 m	4 hr 7 m	1 hr 11 m	2 hr 16 m
	Federal	2 hr 56 m	3 hr 23 m		47 min	2 hr 10 m	1 hr 4 m	3 hr 24 m
	Interstate	2 hr 3 m	1 hr 39 m		16 min	4 hr 37 m	1 hr 25 m	2 hr 2 m
	State	1 hr 10 m	42 min	3 hr 5 m	2 hr 1 m			45 min
Roadway	All	1 hr 1 m	46 min	53 min	1 hr 35 m	1 hr 33 m	1 hr 55 m	47 min
	Federal	1 hr 27 m	1 hr 23 m	1 hr 17 m	2 hr 18 m	1 hr 44 m	1 hr 36 m	54 min
	Interstate	50 min	37 min		29 min	1 hr 35 m	2 hr 28 m	44 min
	State	59 min	1 hr 5 m	12 min	53 min	1 hr 13 m	1 hr 54 m	46 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 12 m)								
	12/08 04:33 AM	291726	I-80	1		1	3 hr 7 m	Single vehicle crash event on I-80 W @ MM 236 (near Tiffin).
	12/02 07:57 AM	290960	US-34			1	2 hr 48 m	Single vehicle crash event on US-34 W @ MM 230.8 (near Mount Pleasant).
	12/12 08:25 AM	292254	US-30			1	6 hr 59 m	Single vehicle crash event on US-30 W @ MM 311 in De Witt.
	12/16 02:41 AM	292881	I-35			1	5 hr 52 m	Single vehicle crash event on I-35 S @ MM 60.8 (near Bevington).
	12/15 01:29 AM	292701	I-80		1	1	5 hr 29 m	Single vehicle crash event on I-80 W @ MM 46.4 in Walnut.
	12/27 04:30 AM	294050	I-29		1	1	4 hr 4 m	Single vehicle crash event on I-29 N @ MM 32 (near Pacific Junction).
	12/16 03:35 AM	292882	US-34			1	3 hr 55 m	Single vehicle crash event on US-34 W @ MM 193 (near Ottumwa).
	12/28 05:49 PM	294279	IA-1				3 hr 32 m	Single vehicle crash event on IA-1 S @ MM 38.8 (near Pleasant Plain).
2 Vehicle Crash (Avg Impact : 1 hr 12 m)								
	12/01 07:12 PM	290928	US-34	2	1	1	3 hr 52 m	2 vehicle crash event on US-34 E/W @ MM 86.5 (near Creston).
	12/11 05:07 PM	292182	US-59	1	1	2	6 hr 58 m	2 vehicle crash event on US-59 N @ MM 94.5 (near Buck Grove).
	12/11 08:36 PM	292205	US-59		1	1	7 hr 15 m	2 vehicle crash event on US-59 S @ MM 95.5 (near Buck Grove).
	12/23 07:35 PM	293794	US-69	1			15 hr 43 m	2 vehicle crash event on US-69 N @ MM 81.9 in Des Moines.
Debris (Avg Impact : 27 min)								
	12/15 09:02 PM	292875	US-18		1		5 hr 6 m	Debris event on US-18 W/E @ MM 142.8 in Wesley.
Emergency Vehicles (Avg Impact : 42 min)								
	12/06 06:20 AM	291406	US-20				2 hr 53 m	Emergency vehicles event on US-20 W @ MM 0.7 (near Sergeant Bluff).
Stalled Vehicle (Avg Impact : 39 min)								
	12/02 02:01 PM	290992	IA-5			1	2 hr 58 m	Stalled vehicle event on IA-5 S @ MM 96.9 in Des Moines.
	12/07 07:46 PM	291692	IA-160				3 hr 55 m	Stalled vehicle event on IA-160 W @ MM 2.4 in Ankeny.
	12/13 06:34 PM	292524	I-80			1	4 hr 17 m	Stalled vehicle event on I-80 W @ MM 7.5 in Council Bluffs.
Towing Operation (Avg Impact : 4 hr 46 m)								
	12/02 10:00 AM	290968	I-80				6 hr 31 m	Towing operation event on I-80 W @ MM 180.9 (near Grinnell).