



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

August 2023

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

Executive Summary

TOTAL INCIDENTS	
The total number of incidents during the period. *	
Previous	Current
July	August
4,317	4,856

TOTAL SECONDARY INCIDENTS	
Crashes that occur within the original incident scene or resulting queue.	
Previous	Current
July	August
10	6

TOTAL MULTI-VEHICLE INCIDENTS	
The total number of multi-vehicle incidents during the period.	
Previous	Current
July	August
165	198

LANE BLOCKAGE INCIDENTS	
The total number of incidents which resulted in at least one blocked lane of travel.*	
Previous	Current
July	August
308	332

AVERAGE CLEARANCE TIME	
The average time for all lanes to be cleared after a crash.	
Previous	Current
July	August
1 hr 48 m	1 hr 13 m

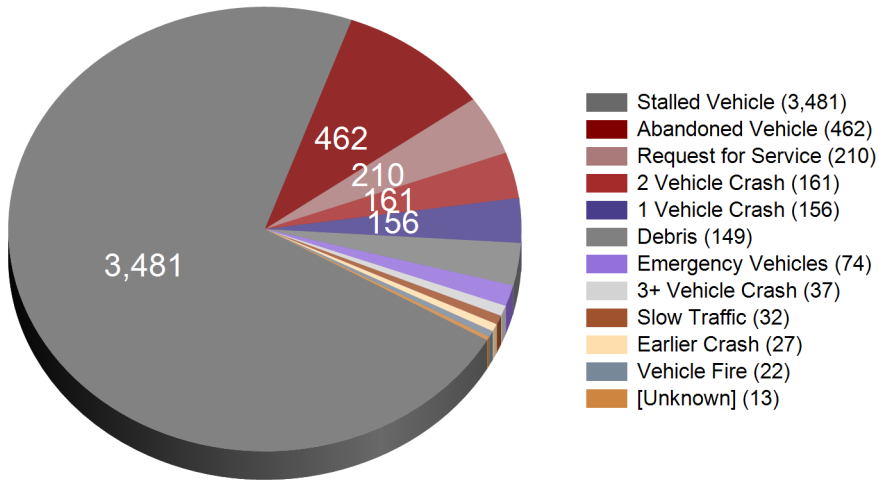
TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents Highway Helper responded to during the period.	
Previous	Current
July	August
1,410	1,626

* - excludes roadwork

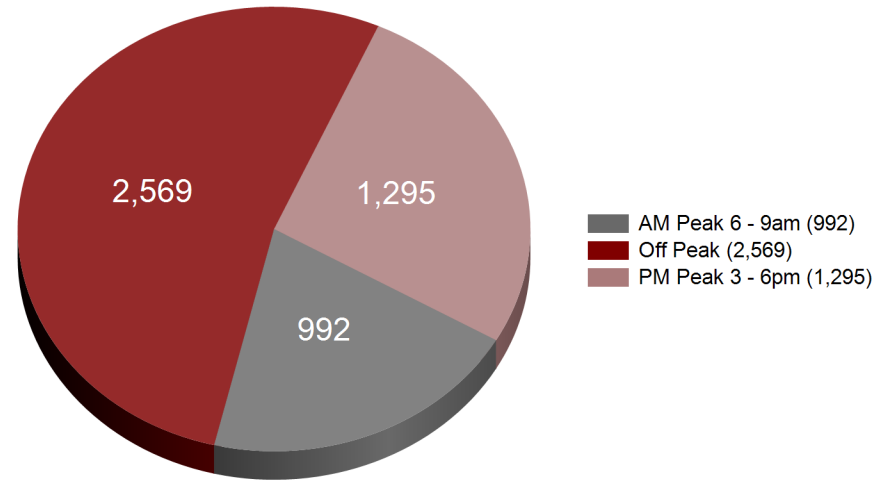
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

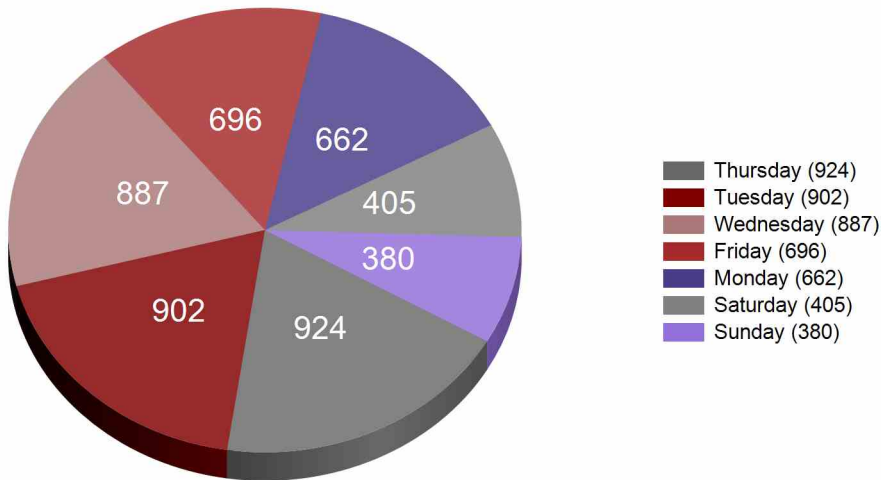
Incidents By Type



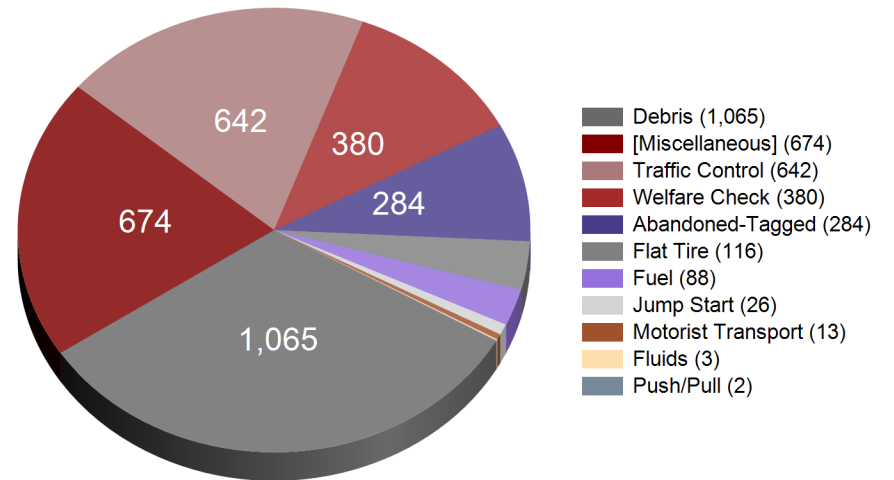
Incidents By Shift



Incidents By Day



Highway Helper Response

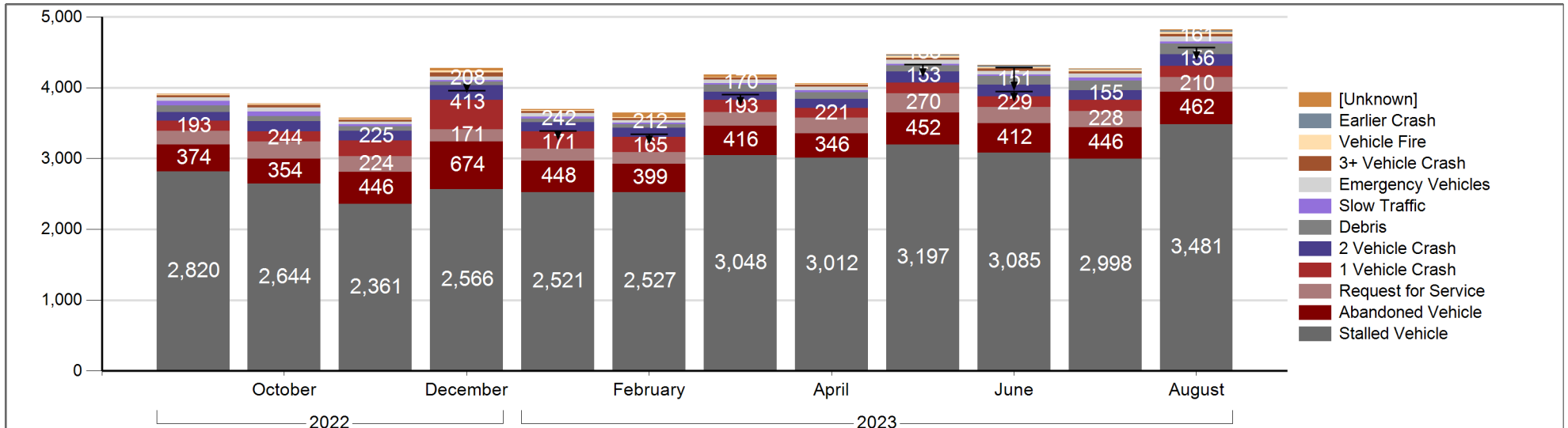


INCIDENT TOTALS BY TYPE

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	3,481	72%	37 min	1,641	152	68	420	68	1,132
Abandoned Vehicle	462	10%		212	7	10	73	5	155
Request for Service	210	4%		68	20	29	26	26	41
2 Vehicle Crash	161	3%	1 hr 16 m	97	7	4	16	7	30
1 Vehicle Crash	156	3%	1 hr 12 m	49	9	10	35	19	34
Debris	149	3%	22 min	67	4	5	12	2	59
Emergency Vehicles	74	2%	44 min	42	3	3	5	3	18
3+ Vehicle Crash	37	0.76%	1 hr 8 m	22	1	1	0	1	12
Slow Traffic	32	0.66%		17	0	0	5	0	10
Earlier Crash	27	0.56%		9	3	3	5	1	6
Vehicle Fire	22	0.45%	1 hr 1 m	9	1	1	5	1	5
[Unknown]	13	0.27%		1	0	0	0	12	0
Total	4,824	100%	1 hr 6 m	2,234	207	134	602	145	1,502

* - Totals include Highway Helper Incidents

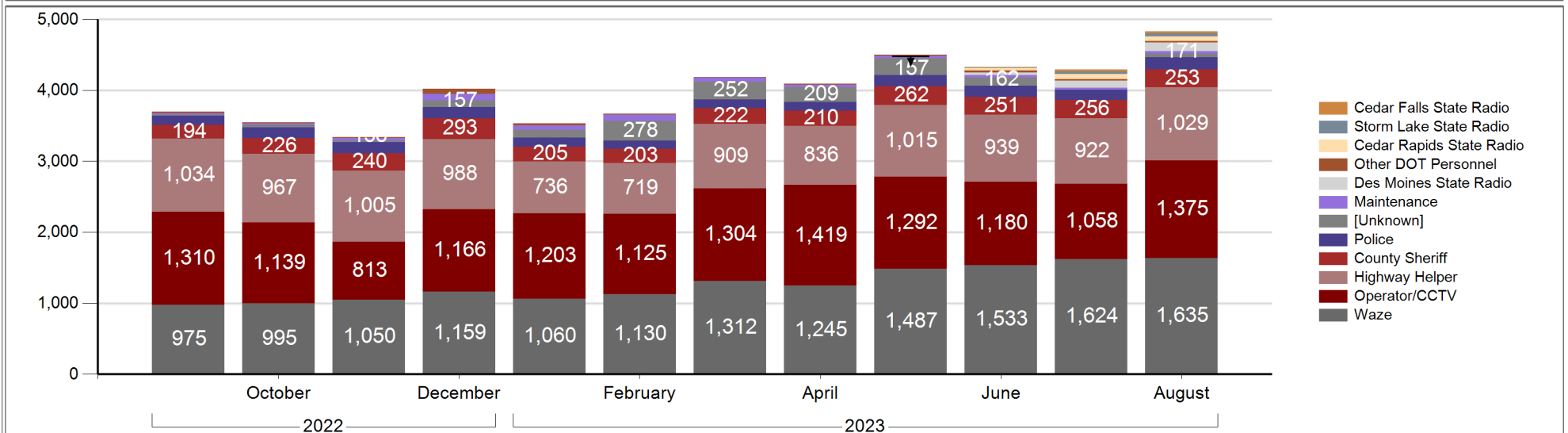


INCIDENT TOTALS BY DETECTION TYPE

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	1,635	34%	828	61	61	171	47	467
Operator/CCTV	1,375	28%	707	85	21	137	29	396
Highway Helper	1,029	21%	368	0	0	195	4	462
County Sheriff	253	5%	73	38	30	41	28	43
Police	171	4%	105	3	11	3	5	44
Des Moines State Radio	126	3%	91	0	0	16	18	1
Other	78	2%	34	14	1	9	4	16
Cedar Rapids State Radio	68	1%	7	0	0	0	9	52
Storm Lake State Radio	40	0.82%	0	0	10	30	0	0
Maintenance	34	0.70%	11	1	1	6	3	12
Cedar Falls State Radio	30	0.62%	8	10	1	1	0	10
Other DOT Personnel	17	0.35%	10	0	0	2	2	3
Total	4,856	100%	2,242	212	136	611	149	1,506

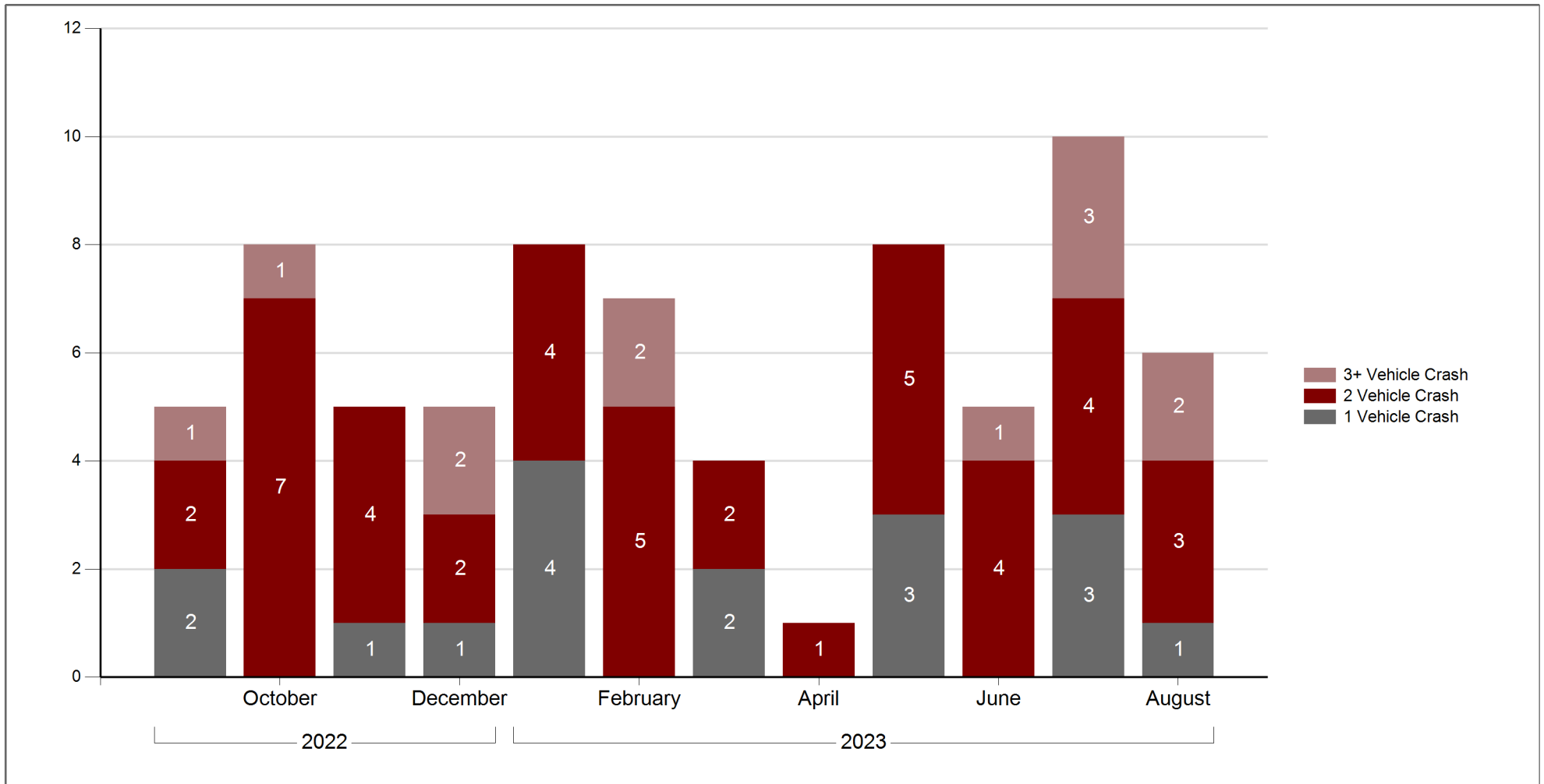
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

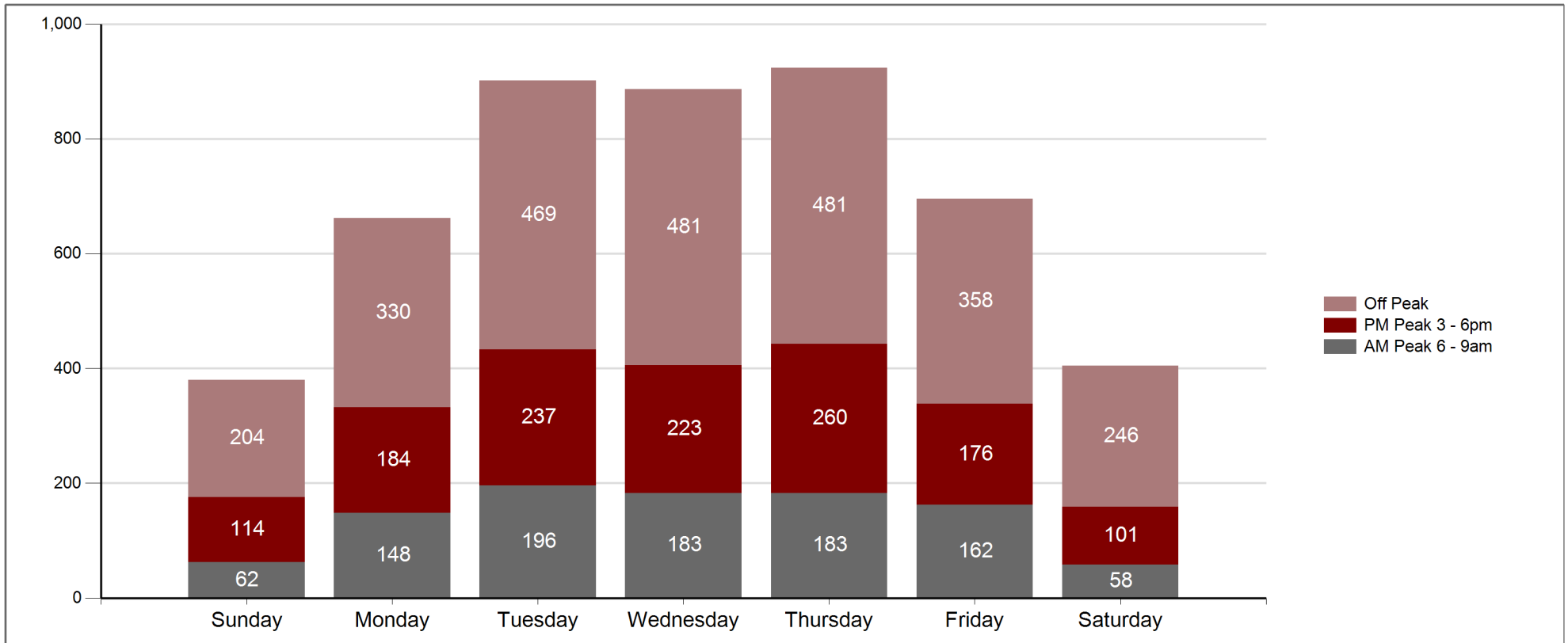
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	3	50%		3	0	0	0	0	0
3+ Vehicle Crash	2	33%	28 min	0	0	0	0	0	2
1 Vehicle Crash	1	17%		0	0	0	1	0	0
Total	6	100%	28 min	3	0	0	1	0	2



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.

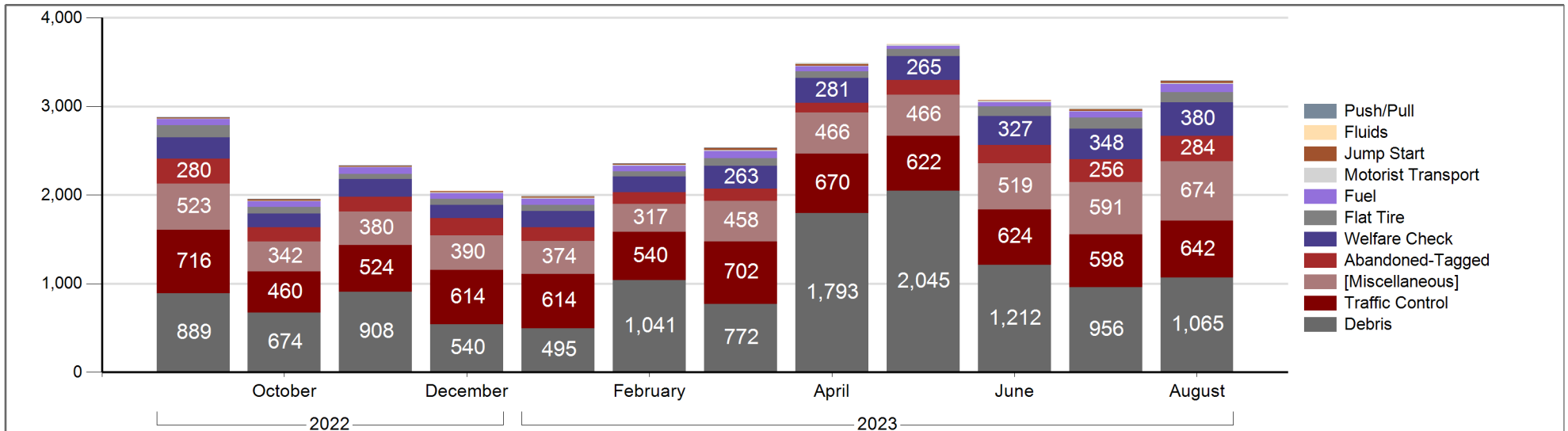
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Thursday	924	19%	37 min	405	43	24	111	14	327
Tuesday	902	19%	1 hr 57 m	425	35	23	107	27	285
Wednesday	887	18%	55 min	399	44	17	109	28	290
Friday	696	14%	46 min	314	38	19	98	23	204
Monday	662	14%	57 min	324	24	17	84	23	190
Saturday	405	8%	1 hr 26 m	189	12	20	55	18	111
Sunday	380	8%	56 min	186	16	16	47	16	99
Total	4,856	100%	37 min	2,242	212	136	611	149	1,506



HIGHWAY HELPER RESPONSES

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

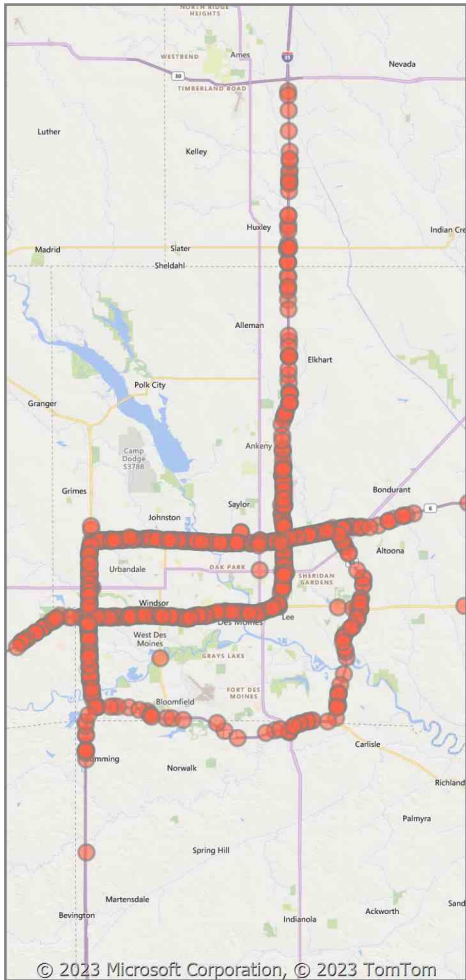
Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City	Davenport
Debris	1,065	32%	22 min		394	147	202	322
[Miscellaneous]	674	20%	29 min		214	106	119	140
Traffic Control	642	19%	36 min		210	92	90	120
Welfare Check	380	12%	28 min		127	66	55	85
Abandoned-Tagged	284	9%	30 min		94	54	66	48
Flat Tire	116	4%	26 min		49	10	19	28
Fuel	88	3%	11 min		44	12	8	20
Jump Start	26	0.79%			10	2	4	4
Motorist Transport	13	0.39%	1 hr 7 m		2	2	6	2
Fluids	3	0.09%			3	0	0	0
Push/Pull	2	0.06%	34 min		0	0	1	0
Total	3,293	100%	32 min		1,147	491	570	769



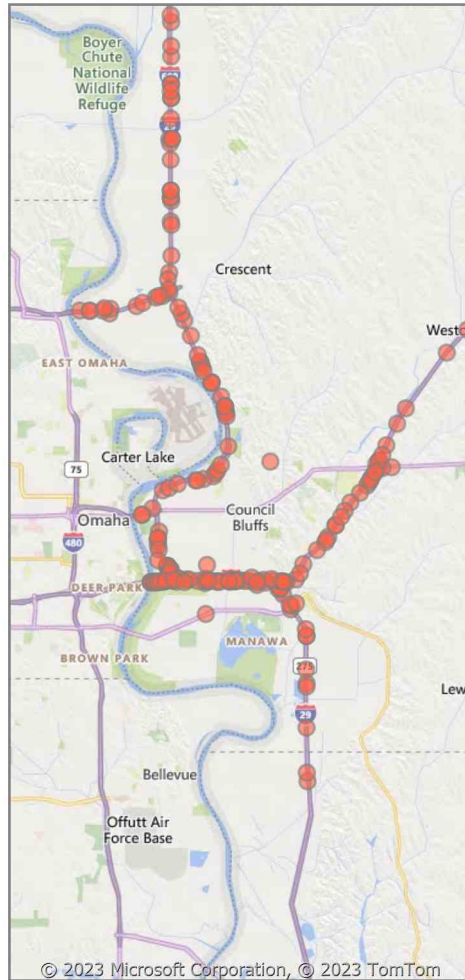
HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

DES MOINES



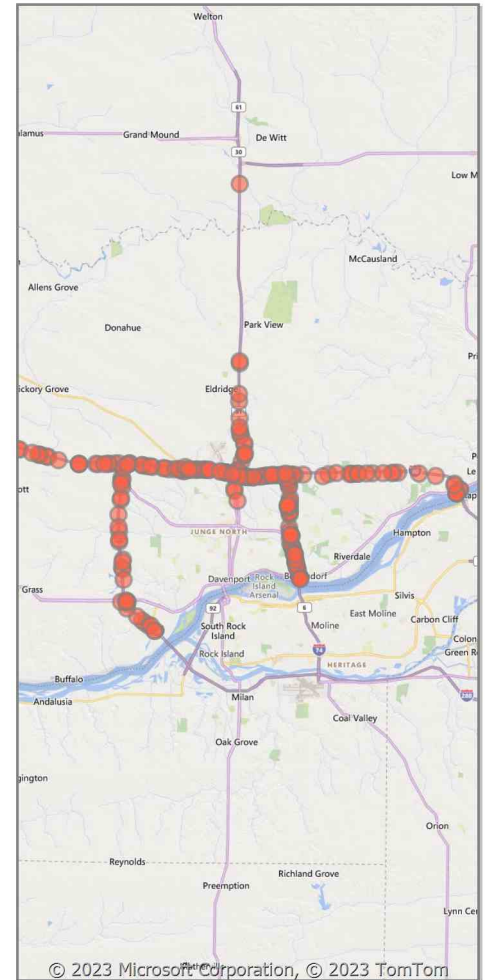
COUNCIL BLUFFS



CEDAR RAPIDS / IOWA CITY



DAVENPORT

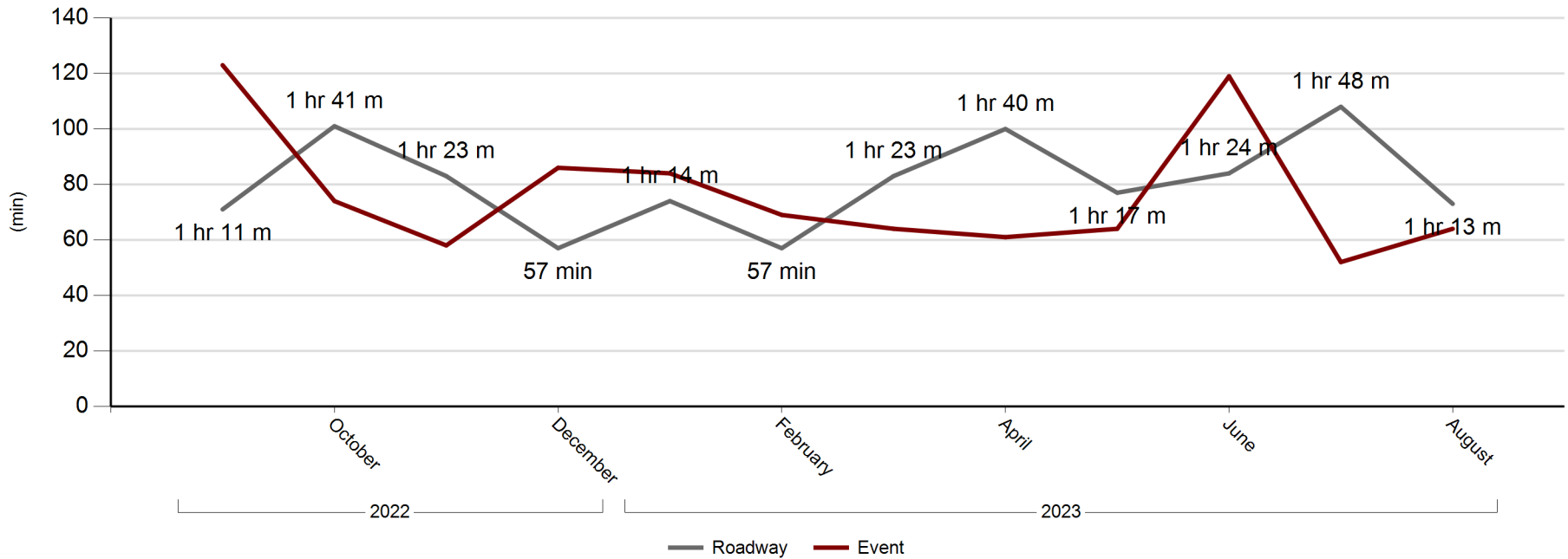


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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 4 m	54 min	3 hr 24 m	4 hr 16 m	1 hr 19 m	50 min	52 min
	Federal	1 hr 12 m	58 min		4 hr 16 m	44 min		
	Interstate	1 hr 3 m	55 min			1 hr 50 m	50 min	57 min
	State	1 hr 2 m	45 min	3 hr 24 m		32 min		18 min
Roadway	All	1 hr 13 m	1 hr	2 hr 28 m	2 hr 9 m	1 hr 16 m	1 hr 20 m	1 hr 4 m
	Federal	1 hr 29 m	58 min	1 hr 23 m	3 hr 33 m	43 min	1 hr 15 m	2 hr 5 m
	Interstate	1 hr 2 m	59 min	2 hr 6 m		1 hr 30 m	46 min	42 min
	State	1 hr 19 m	1 hr 6 m	3 hr 12 m	44 min	32 min	2 hr 8 m	14 min

All Roads (Interstate / Federal / State)

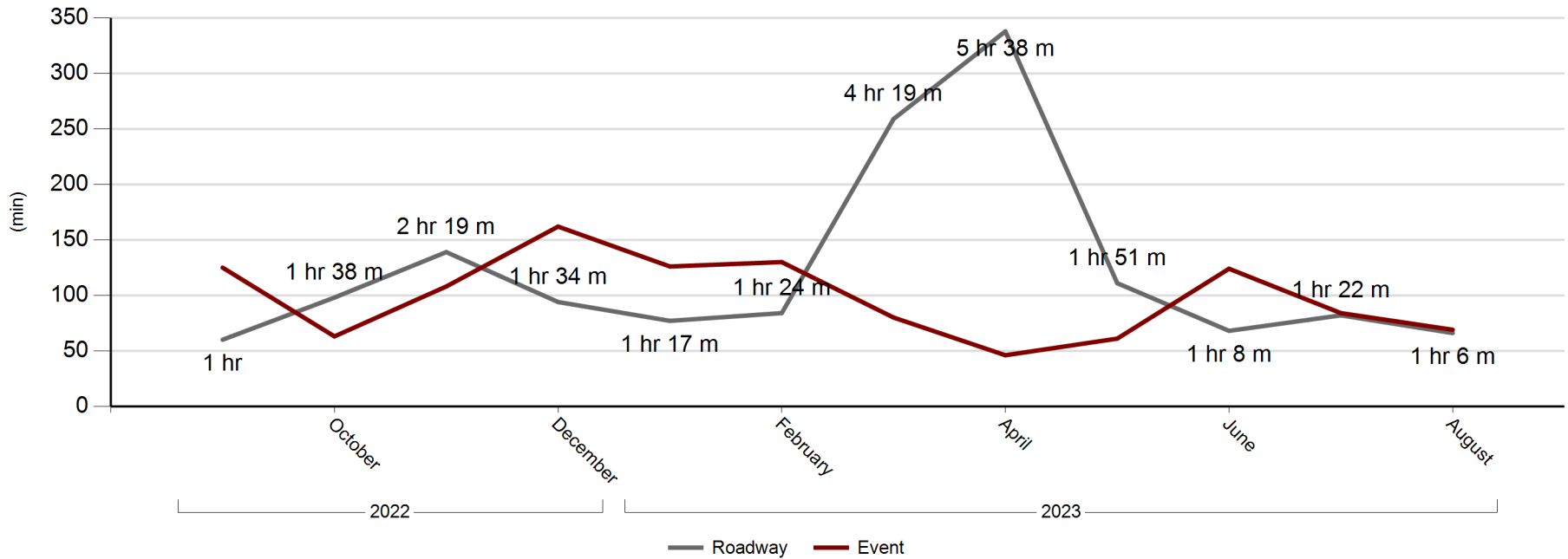


INCIDENT CLEARANCE TIMES (ALL TYPES)

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 9 m	1 hr 12 m	3 hr 24 m	2 hr 26 m	2 hr 1 m	55 min	30 min
	Federal	1 hr 47 m	1 hr 8 m		2 hr 26 m	5 hr 21 m	1 hr 16 m	19 min
	Interstate	1 hr 2 m	1 hr 19 m			57 min	35 min	33 min
	State	50 min	45 min	3 hr 24 m		39 min		18 min
Roadway	All	1 hr 6 m	46 min	1 hr 40 m	1 hr 20 m	56 min	5 hr 17 m	43 min
	Federal	2 hr 2 m	1 hr 10 m	58 min	1 hr 54 m	31 min	13 hr 2 m	1 hr 20 m
	Interstate	43 min	38 min	1 hr 28 m	12 min	1 hr 3 m	1 hr 10 m	32 min
	State	1 hr	46 min	2 hr 29 m	34 min	52 min	1 hr 55 m	14 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)								
	08/02 07:04 AM	273940	IA-141			1	3 hr 44 m	Single vehicle crash event on IA-141 W @ MM 154.9 (near Grimes).
	08/11 06:56 PM	275536	I-380	1			3 hr 30 m	Single vehicle crash event on I-380 N @ MM 67 (near Raymond).
	08/16 08:25 AM	276213	I-80			1	4 hr 4 m	Single vehicle crash event on I-80 E @ MM 6.5 in Council Bluffs.
	08/16 06:08 PM	276327	IA-24	1		1	5 hr 43 m	Single vehicle crash event on IA-24 E @ MM 19.2 (near Fort Atkinson).
	08/30 06:22 AM	278408	IA-78		1	1	3 hr 9 m	Single vehicle crash event on IA-78 E @ MM 7 (near Ollie).
	08/20 09:58 AM	276836	US-59	2	4		4 hr 17 m	Single vehicle crash event on US-59 N @ MM 203 (near Melvin).
	08/30 02:34 PM	278486	US-218	1			2 hr 54 m	Single vehicle crash event on US-218 N @ MM 164.5 (near La Porte City).
2 Vehicle Crash (Avg Impact : 1 hr 16 m)								
	08/08 11:04 PM	274984	I-80	1	1		3 hr 33 m	2 vehicle crash event on I-80 E @ MM 125.2 in Urbandale.
	08/05 03:46 PM	274503	I-235		1		12 hr 41 m	2 vehicle crash event on I-235 E @ MM 6 in Des Moines.
	08/08 09:01 AM	274855	I-29	1	1	1	6 hr 16 m	2 vehicle crash event on I-29 N @ MM 75 (near Missouri Valley).
	08/14 12:02 AM	275780	US-151	1	4		8 hr 47 m	2 vehicle crash event on US-151 N @ MM 79.6 (near Cascade).
	08/31 10:46 AM	278644	IA-17			1	3 hr 23 m	2 vehicle crash event on IA-17 N @ MM 70.3 in Eagle Grove.
	08/30 07:45 PM	278543	IA-76	1			3 hr 25 m	2 vehicle crash event on IA-76 N @ MM 23.6 (near Waukon).
3+ Vehicle Crash (Avg Impact : 1 hr 8 m)								
	08/29 12:55 PM	278283	US-20				9 hr 5 m	3+ vehicle crash event on US-20 E @ MM 1.9 (near Sergeant Bluff).
Debris (Avg Impact : 22 min)								
	08/18 01:05 PM	276625	US-69				2 hr 24 m	Debris event on US-69 S @ MM 88 in Des Moines.
Emergency Repairs (Avg Impact : 14 hr 59 m)								
	08/08 10:22 AM	274866	US-136				2 days	Emergency repairs event on US-136 W @ MM 103.6 in Keokuk.
Emergency Vehicles (Avg Impact : 44 min)								
	08/08 11:16 PM	274986	US-6				3 hr 22 m	Emergency vehicles event on US-6 E @ MM 19 (near Clive).
Stalled Vehicle (Avg Impact : 37 min)								
	08/16 07:27 PM	276337	I-80				2 hr 19 m	Stalled vehicle event on I-80 W @ MM 178.5 (near Oakland Acres).
	08/27 09:29 AM	277996	US-61				2 hr 19 m	Stalled vehicle event on US-61 S @ MM 122.7 in Davenport.
	08/27 03:36 AM	277981	US-20			1	2 hr 4 m	Stalled vehicle event on US-20 E @ MM 116.2 (near Moorland).

INCIDENTS (CLEARANCE TIME DEVIATION)

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
Stalled Vehicle (Avg Impact : 37 min)								
	08/21 10:19 AM	276988	US-61				2 hr 24 m	Stalled vehicle event on US-61 N @ MM 58.9 (near Mediapolis).
	08/22 12:18 PM	277205	US-169				2 hr 50 m	Stalled vehicle event on US-169 N/S @ MM 128.5 (near Boxholm).
Towing Operation (Avg Impact : 3 hr 9 m)								
	08/05 06:46 PM	274519	I-80				5 hr 35 m	Towing operation event on I-80 E @ MM 249.9 (near West Branch).
Vehicle Fire (Avg Impact : 1 hr 1 m)								
	08/17 11:27 PM	276543	I-80	2		1	5 hr 5 m	Vehicle fire event on I-80 E/W @ MM 110.7 (near De Soto).