



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

September 2023

This report contains statistical and operational data for TMC activities from the period of September 01, 2023 to September 30, 2023.

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
4,856	3,853	6	8	198	153

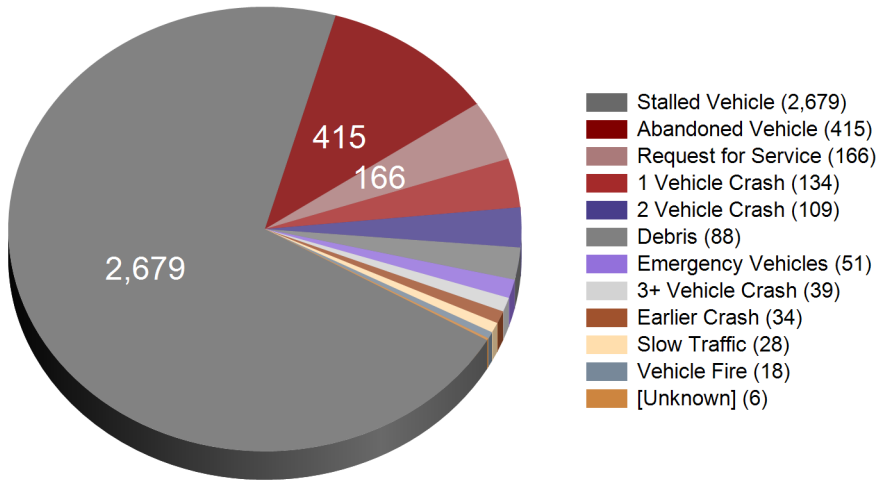
LANE BLOCKAGE INCIDENTS		AVERAGE CLEARANCE TIME		TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents which resulted in at least one blocked lane of travel.*		The average time for all lanes to be cleared after a crash.		The total number of incidents Highway Helper responded to during the period.	
Previous	Current	Previous	Current	Previous	Current
August	September	August	September	August	September
332	260	1 hr 13 m	1 hr 8 m	1,626	1,318

* - excludes roadwork

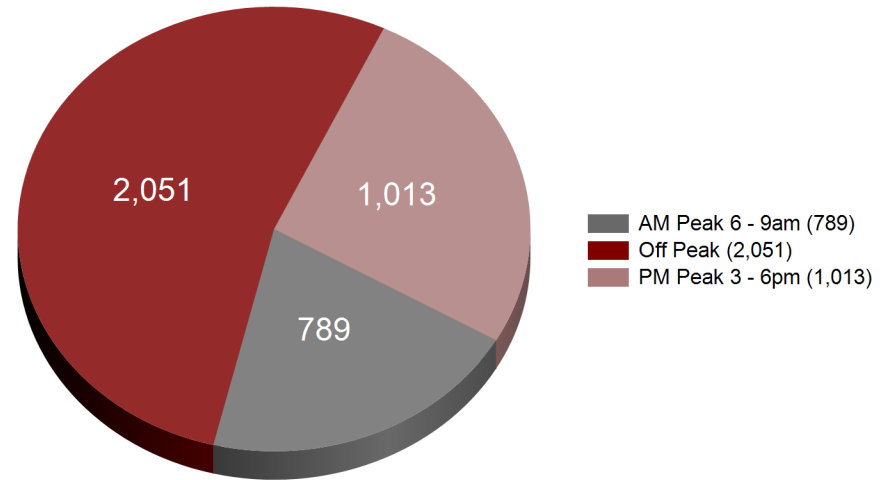
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

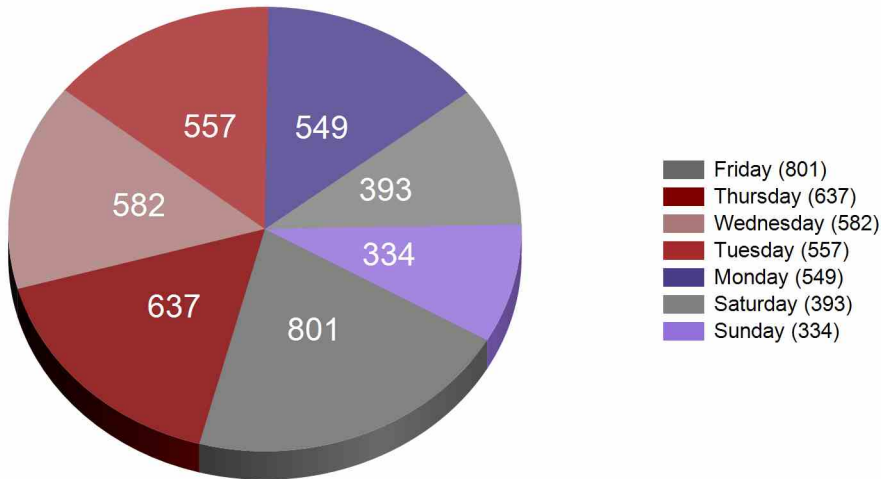
Incidents By Type



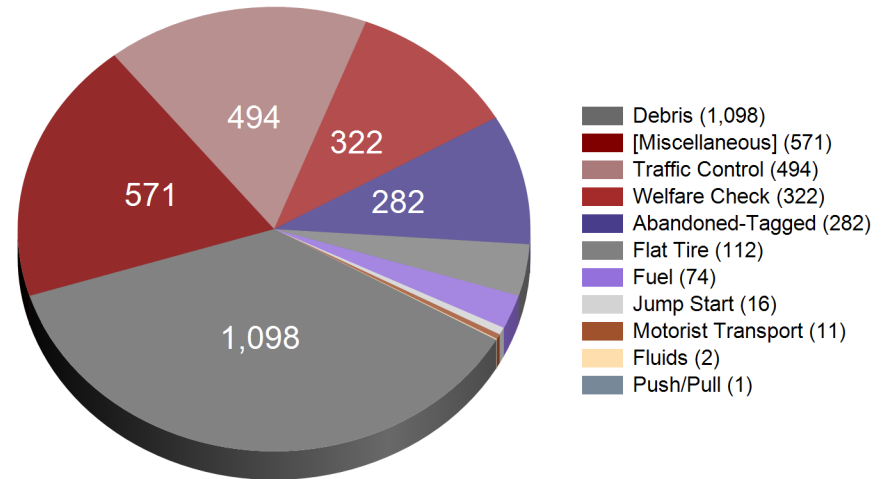
Incidents By Shift



Incidents By Day



Highway Helper Response

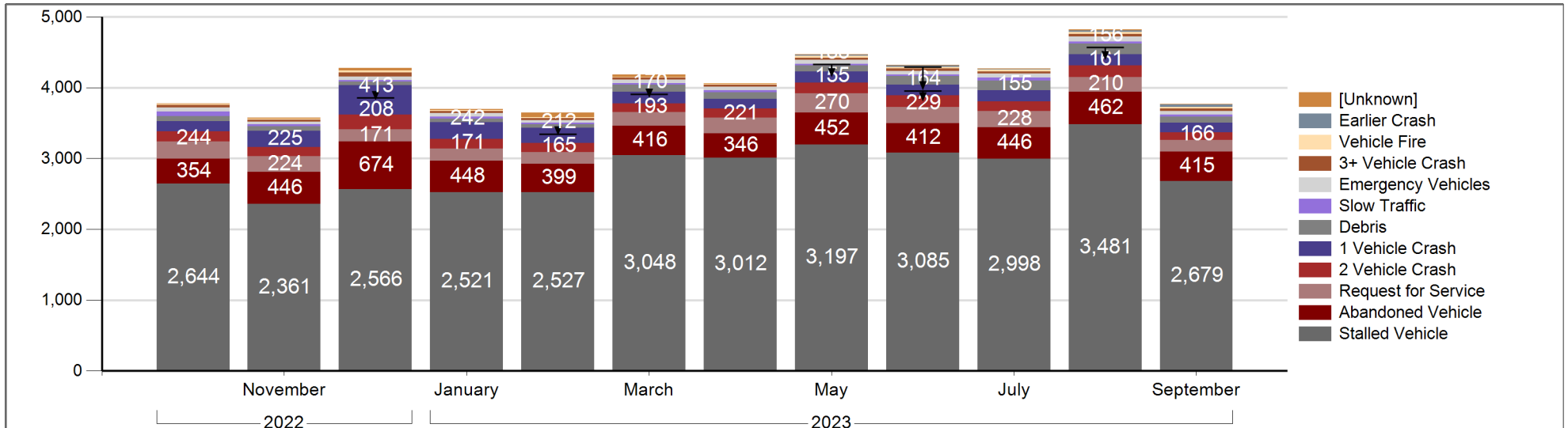


INCIDENT TOTALS BY TYPE

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	2,679	71%	38 min	1,239	82	48	358	46	906
Abandoned Vehicle	415	11%	21 min	193	2	7	52	4	157
Request for Service	166	4%	25 min	40	17	35	21	19	34
1 Vehicle Crash	134	4%	1 hr 2 m	43	4	10	26	8	43
2 Vehicle Crash	109	3%	57 min	64	6	5	4	8	22
Debris	88	2%	16 min	46	3	4	7	1	27
Emergency Vehicles	51	1%	2 hr 1 m	27	2	1	4	4	13
3+ Vehicle Crash	39	1%	1 hr 12 m	20	3	1	4	2	9
Earlier Crash	34	0.90%		16	5	1	4	2	6
Slow Traffic	28	0.74%		23	0	1	0	0	4
Vehicle Fire	18	0.48%	1 hr 16 m	6	0	2	4	1	5
Towing Operation	10	0.26%	6 hr 18 m	4	0	0	2	1	3
Total	3,771	100%	1 hr 16 m	1,721	124	115	486	96	1,229

* - Totals include Highway Helper Incidents

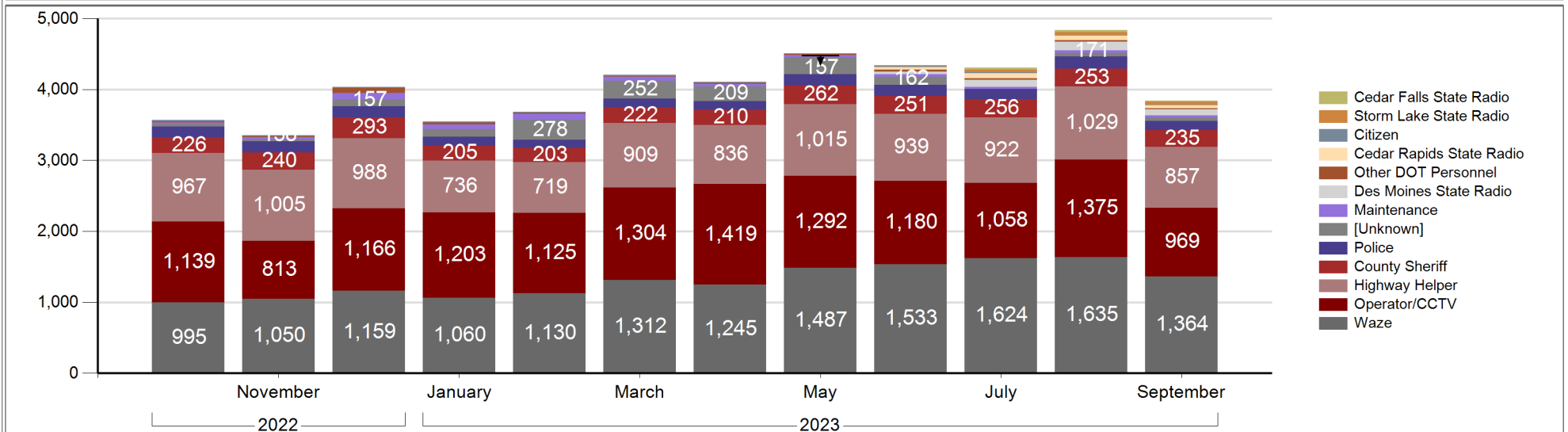


INCIDENT TOTALS BY DETECTION TYPE

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	1,364	35%	646	36	48	180	32	422
Operator/CCTV	969	25%	538	42	8	89	16	276
Highway Helper	857	22%	300	0	0	153	4	400
County Sheriff	235	6%	57	29	39	28	31	51
Police	127	3%	74	2	7	5	3	36
Des Moines State Radio	90	2%	79	0	0	4	7	0
Other	75	2%	35	9	1	4	5	21
Storm Lake State Radio	45	1%	0	0	14	31	0	0
Cedar Rapids State Radio	44	1%	9	0	0	0	2	33
Maintenance	26	0.67%	7	1	1	5	1	11
Cedar Falls State Radio	11	0.29%	4	6	0	1	0	0
Citizen	10	0.26%	6	0	0	0	2	2
Total	3,853	100%	1,755	125	118	500	103	1,252

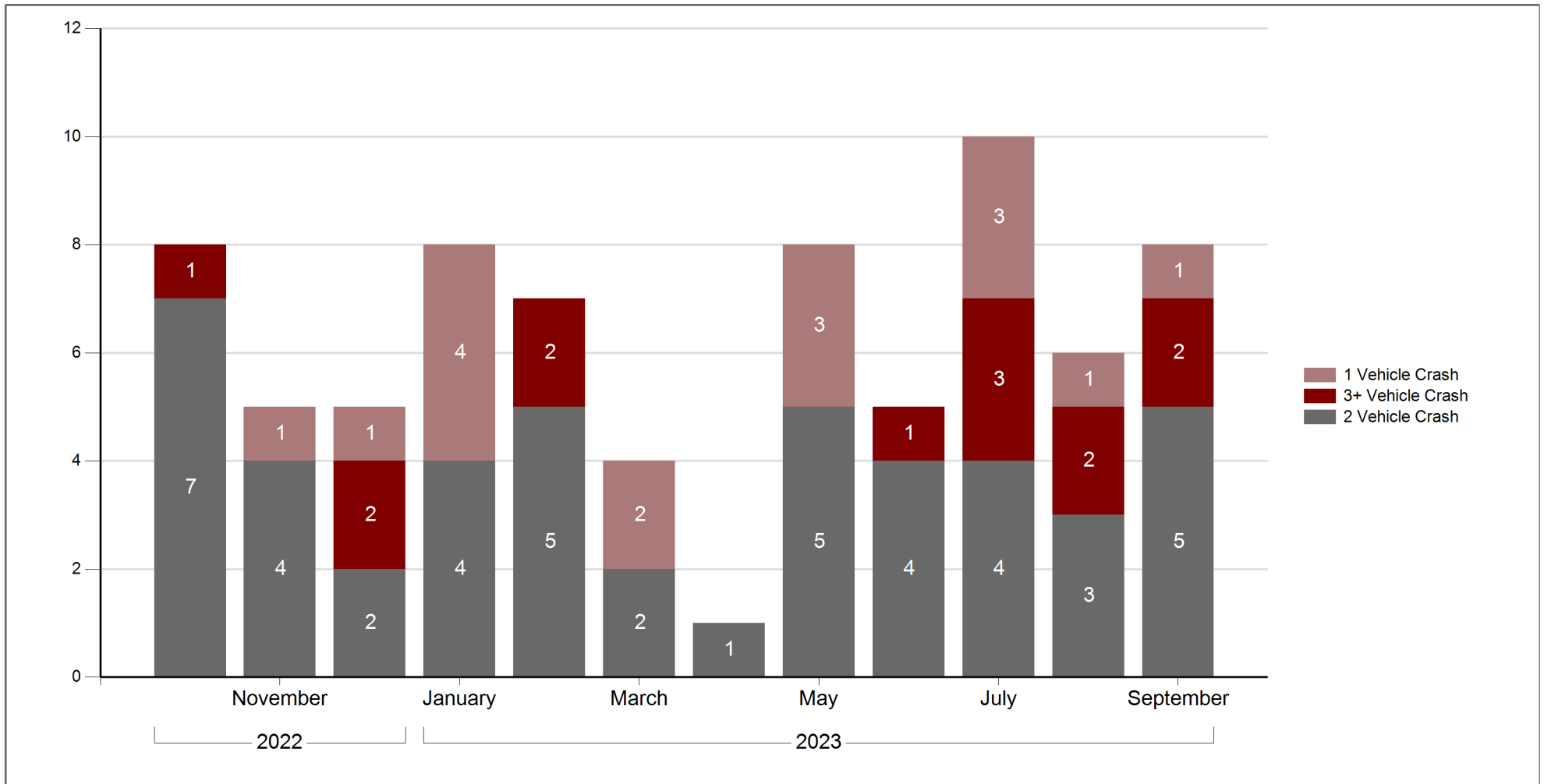
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

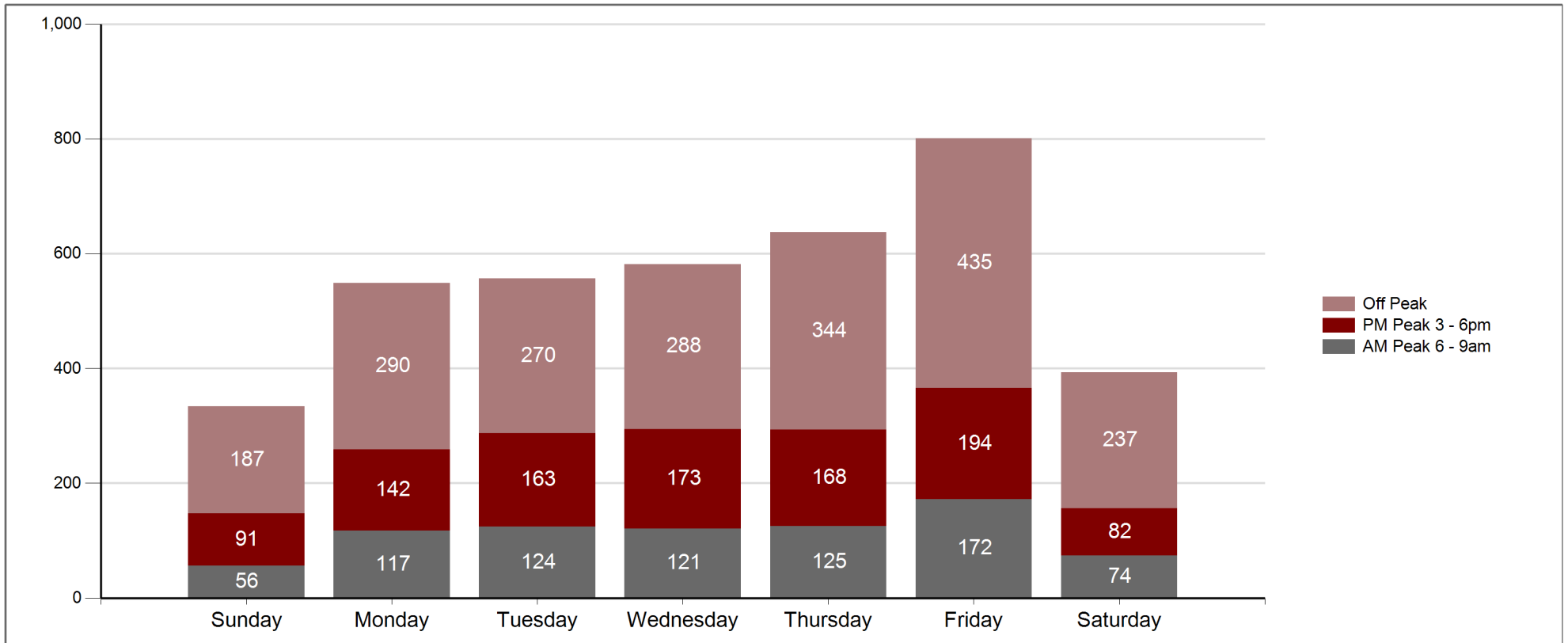
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	5	63%	18 min	2	2	0	0	0	1
3+ Vehicle Crash	2	25%	1 hr 40 m	0	0	0	0	1	1
1 Vehicle Crash	1	13%	17 min	1	0	0	0	0	0
Total	8	100%	31 min	3	2	0	0	1	2



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.

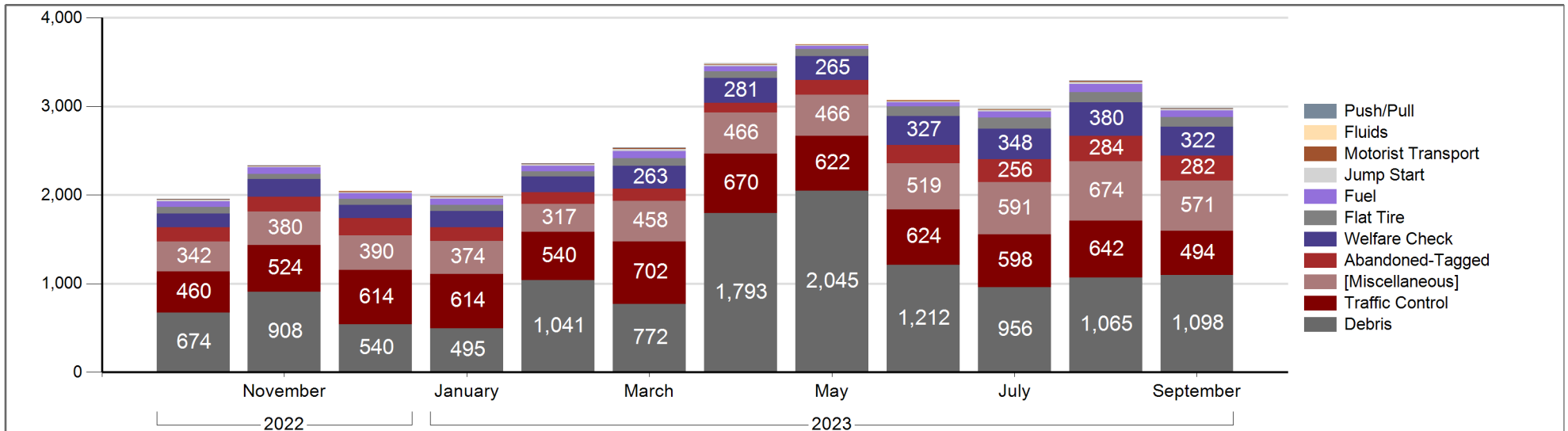
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Friday	801	21%	1 hr 58 m	356	24	27	112	21	261
Thursday	637	17%	1 hr 19 m	268	22	23	90	18	216
Wednesday	582	15%	1 hr 12 m	270	21	13	70	17	191
Tuesday	557	14%	40 min	273	22	16	54	10	182
Monday	549	14%	1 hr 18 m	233	16	13	84	20	183
Saturday	393	10%	58 min	191	15	14	49	6	118
Sunday	334	9%	1 hr 2 m	164	5	12	41	11	101
Total	3,853	100%	1 hr 58 m	1,755	125	118	500	103	1,252



HIGHWAY HELPER RESPONSES

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

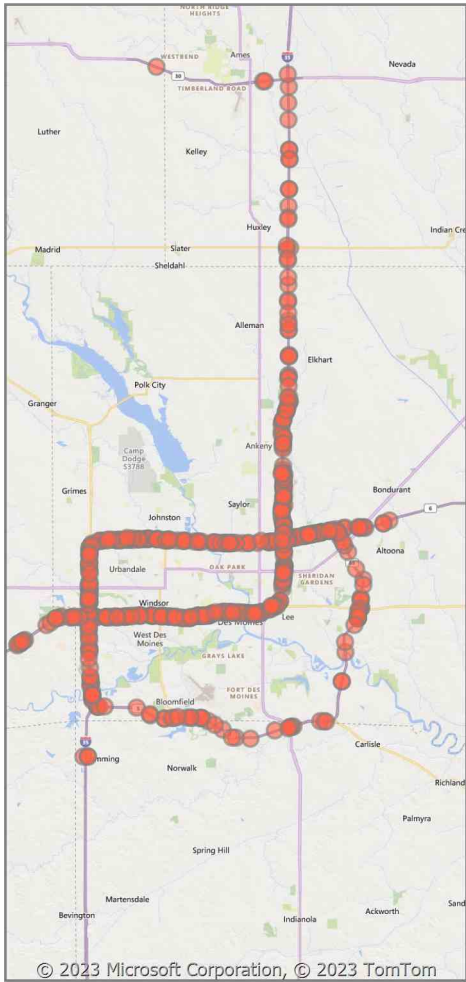
Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City	Davenport
Debris	1,098	37%	25 min		358	201	190	349
[Miscellaneous]	571	19%	37 min		180	82	115	104
Traffic Control	494	17%	38 min		152	60	72	90
Welfare Check	322	11%	33 min		95	48	66	66
Abandoned-Tagged	282	9%			108	48	54	46
Flat Tire	112	4%	23 min		31	12	47	18
Fuel	74	2%	7 min		14	14	10	26
Jump Start	16	0.54%			2	4	4	2
Motorist Transport	11	0.37%			2	2	3	3
Fluids	2	0.07%			1	0	0	0
Push/Pull	1	0.03%			0	0	1	0
Total	2,983	100%	35 min		943	471	562	704



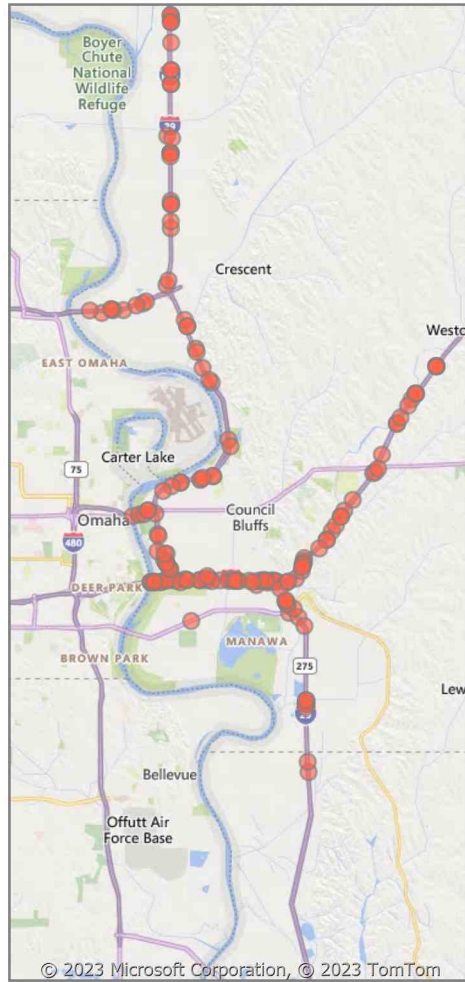
HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

DES MOINES



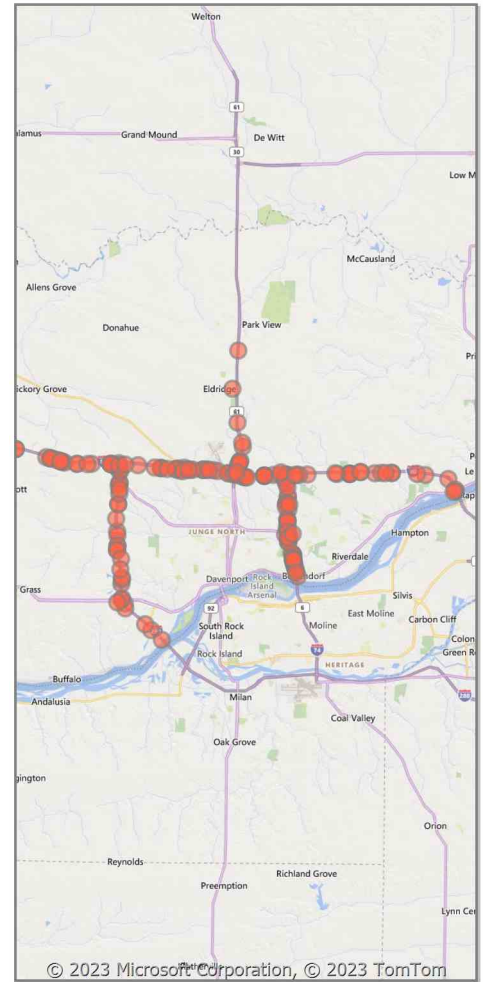
COUNCIL BLUFFS



CEDAR RAPIDS / IOWA CITY



DAVENPORT

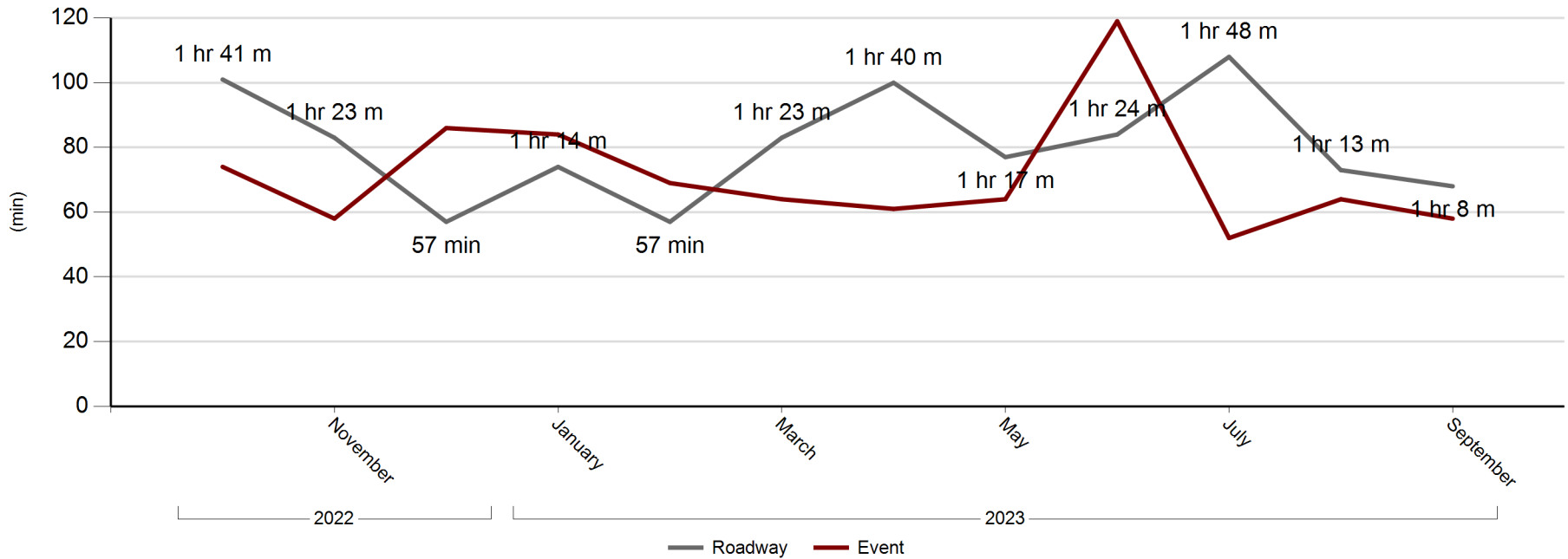


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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	58 min	49 min	51 min	2 hr 20 m	48 min	2 hr 35 m	56 min
	Federal	1 hr 12 m	1 hr 20 m	1 hr 12 m	1 hr 5 m			1 hr 13 m
	Interstate	54 min	49 min	31 min		48 min	2 hr 35 m	51 min
	State	1 hr 15 m	31 min		3 hr 35 m			50 min
Roadway	All	1 hr 8 m	43 min	1 hr 4 m	1 hr 50 m	58 min	2 hr 40 m	1 hr 13 m
	Federal	1 hr 40 m	49 min	1 hr 24 m	1 hr 16 m	1 hr 32 m	3 hr 50 m	2 hr 52 m
	Interstate	48 min	41 min	37 min	11 min	53 min	2 hr 50 m	44 min
	State	1 hr 32 m	38 min	1 hr 31 m	3 hr 42 m		2 hr 6 m	50 min

All Roads (Interstate / Federal / State)

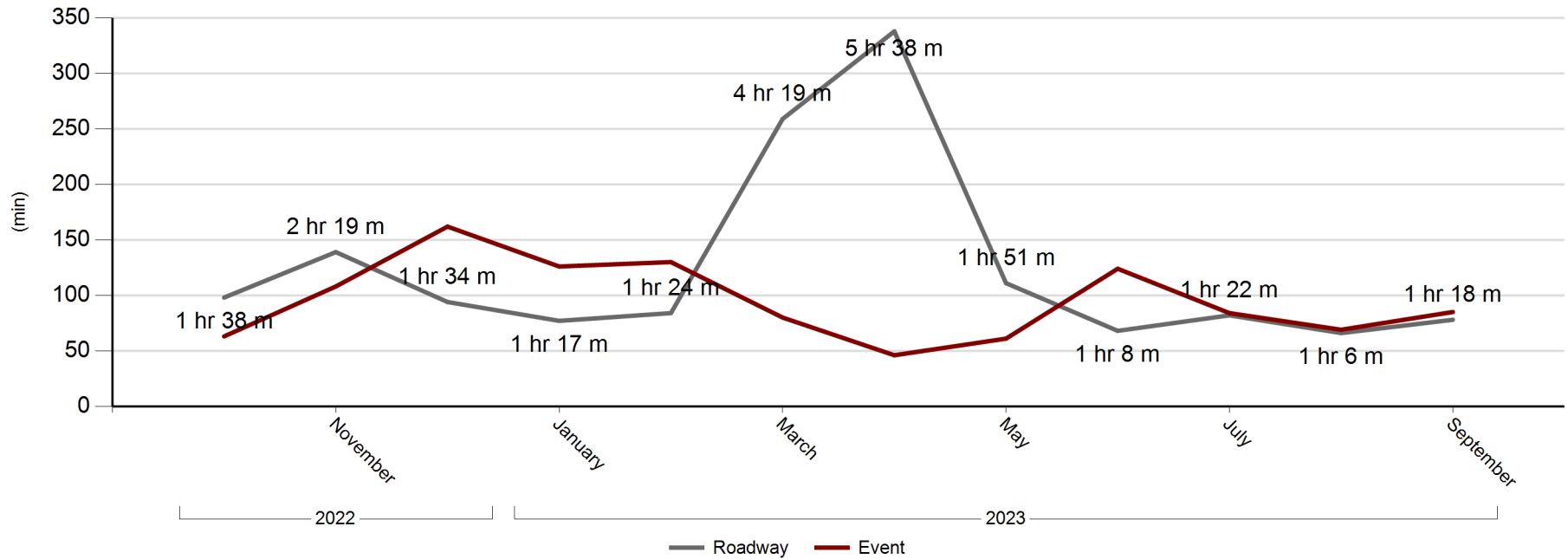


INCIDENT CLEARANCE TIMES (ALL TYPES)

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 25 m	2 hr 17 m	51 min	2 hr 20 m	34 min	2 hr 35 m	42 min
	Federal	49 min	39 min	1 hr 12 m	1 hr 5 m	35 min		48 min
	Interstate	1 hr 32 m	2 hr 28 m	31 min		34 min	2 hr 35 m	40 min
	State	1 hr 23 m	1 hr 6 m		3 hr 35 m			50 min
Roadway	All	1 hr 18 m	44 min	58 min	1 hr 8 m	1 hr 3 m	7 hr 9 m	1 hr 6 m
	Federal	2 hr 51 m	52 min	1 hr 24 m	56 min	2 hr 9 m	1 day 1 hr	2 hr 12 m
	Interstate	46 min	43 min	33 min	20 min	48 min	2 hr 4 m	47 min
	State	1 hr 38 m	39 min	1 hr 17 m	3 hr 42 m		3 hr 23 m	43 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 16 m)								
	09/13 09:47 PM	280522	I-380			1	3 hr 53 m	Single vehicle crash event on I-380 S @ MM 8.6 (near Shueyville).
	09/11 11:36 AM	280176	US-34			1	6 hr 9 m	Single vehicle crash event on US-34 W @ MM 191.2 (near Ottumwa).
	09/11 03:17 PM	280210	IA-60			2	4 hr 52 m	Single vehicle crash event on IA-60 S @ MM 29.1 (near Sheldon).
	09/29 09:14 PM	282698	US-151	1			16 hrs	Single vehicle crash event on US-151 N @ MM 22.6 in Fairfax.
2 Vehicle Crash (Avg Impact : 59 min)								
	09/01 09:15 AM	278794	IA-141		2	1	3 hr 40 m	2 vehicle crash event on IA-141 E/W @ MM 22 (near Mapleton).
	09/02 12:01 PM	278959	IA-175		6		2 hr 32 m	2 vehicle crash event on IA-175 W @ MM 112.6 (near Farnhamville).
	09/10 06:56 PM	280100	IA-22		1		3 hr 36 m	2 vehicle crash event on IA-22 E @ MM 44 in Riverside.
	09/04 04:53 PM	279196	IA-1	1			4 hr 22 m	2 vehicle crash event on IA-1 N @ MM 53.3 (near Washington).
	09/07 09:09 PM	279755	US-275			1	2 hr 40 m	2 vehicle crash event on US-275 N/S @ MM 30 (near Malvern).
	09/28 02:27 AM	282413	I-35		1	2	5 hr 4 m	2 vehicle crash event on I-35 N @ MM 53.3 (near St. Charles).
3+ Vehicle Crash (Avg Impact : 1 hr 11 m)								
	09/25 11:40 AM	282077	I-80				2 hr 37 m	3+ vehicle crash event on I-80 W @ MM 90.5 (near Menlo).
	09/09 01:50 PM	279980	US-75	1			3 hr 3 m	3+ vehicle crash event on US-75 N @ MM 105.4 (near Hinton).
	09/28 06:21 AM	282422	I-80				2 hr 39 m	3+ vehicle crash event on I-80 E @ MM 216 (near Williamsburg).
	09/27 09:23 AM	282320	IA-15		1		3 hrs	3+ vehicle crash event on IA-15 N/S @ MM 41.5 (near Fenton).
Emergency Vehicles (Avg Impact : 2 hr 1 m)								
	09/21 11:23 AM	281581	IA-137				16 hr 4 m	Emergency vehicles event on IA-137 N/S @ MM 0.2 in Albia.
Vehicle Fire (Avg Impact : 1 hr 16 m)								
	09/20 05:41 AM	281374	US-71			1	6 hr 37 m	Vehicle fire event on US-71 S @ MM .5 (near Shambaugh).