



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

July 2023

This report contains statistical and operational data for TMC activities from the period of July 01, 2023 to July 31, 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
June	July	June	July	June	July
4,355	4,317	5	10	197	165

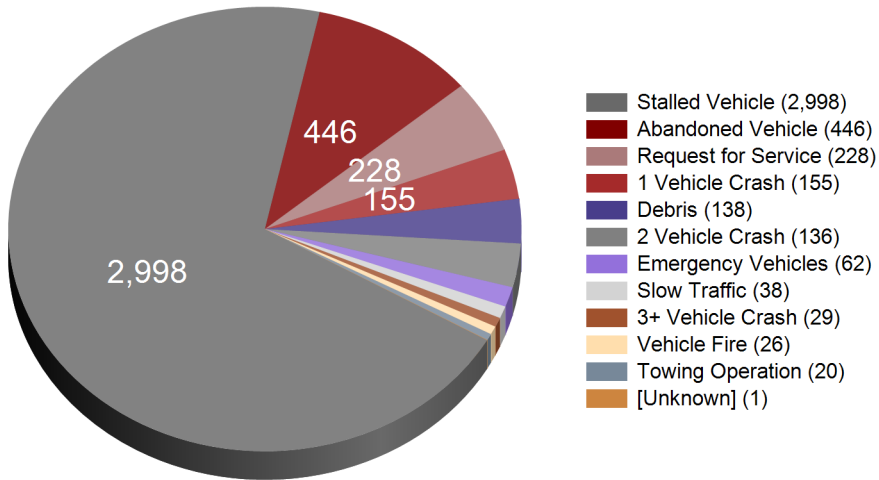
LANE BLOCKAGE INCIDENTS		AVERAGE CLEARANCE TIME		TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents which resulted in at least one blocked lane of travel.*		The average time for all lanes to be cleared after a crash.		The total number of incidents Highway Helper responded to during the period.	
Previous	Current	Previous	Current	Previous	Current
June	July	June	July	June	July
328	308	1 hr 24 m	1 hr 48 m	1,482	1,410

* - excludes roadwork

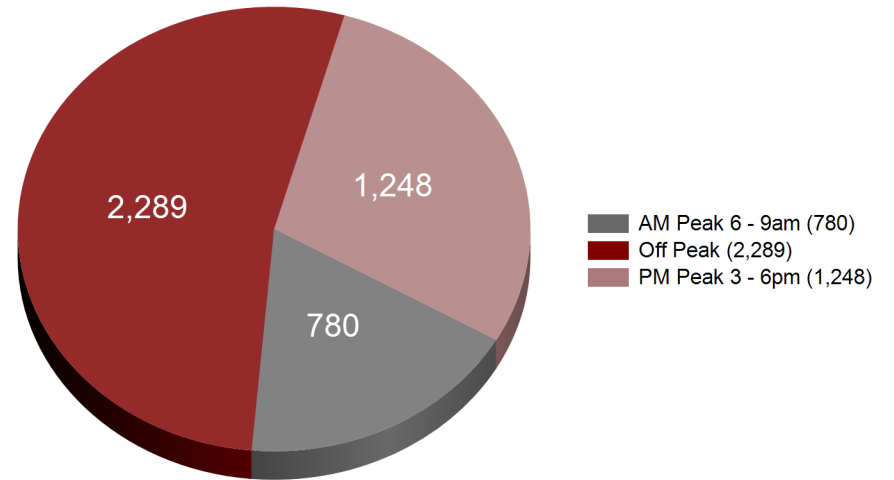
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

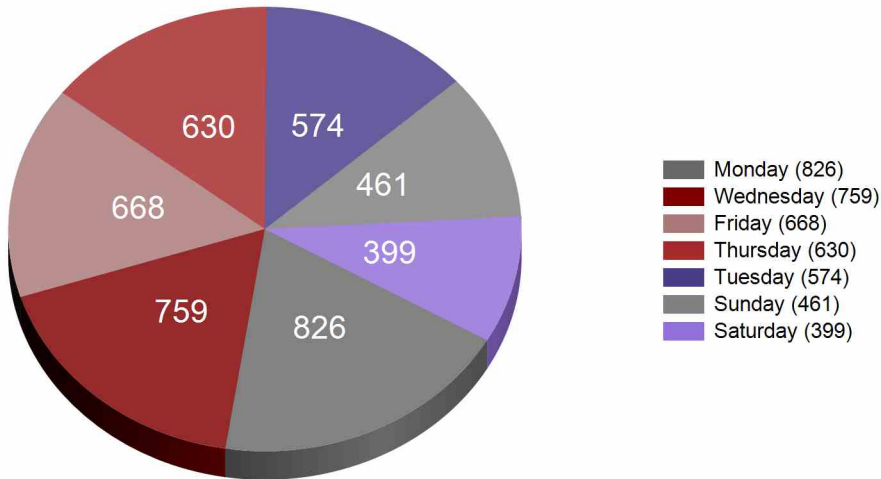
Incidents By Type



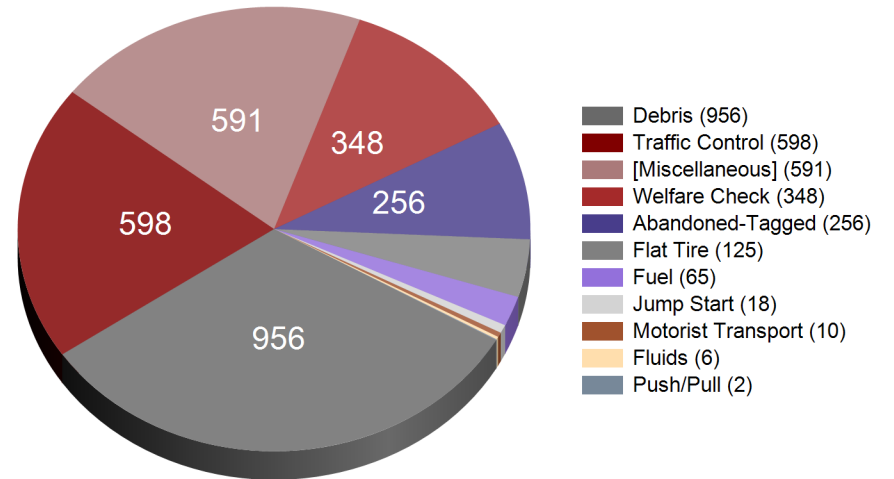
Incidents By Shift



Incidents By Day



Highway Helper Response

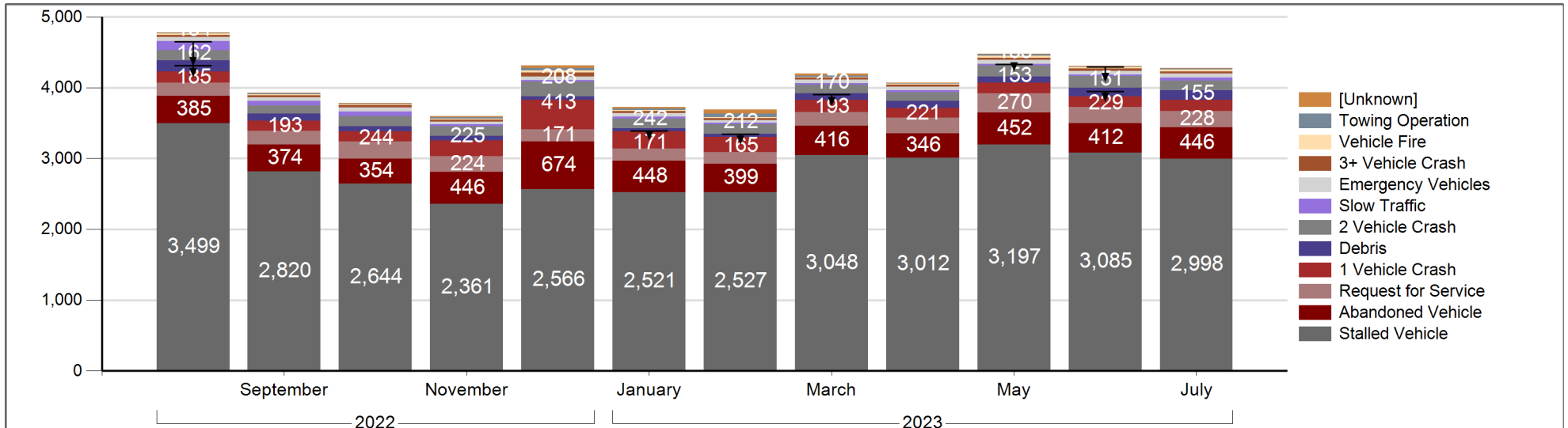


INCIDENT TOTALS BY TYPE

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	2,998	69%	34 min	1,336	97	70	391	54	1,050
Abandoned Vehicle	446	10%	24 min	215	10	2	56	7	156
Request for Service	228	5%		65	22	39	34	22	46
1 Vehicle Crash	155	4%	1 hr 10 m	44	5	7	41	14	44
Debris	138	3%	18 min	62	6	7	11	0	52
2 Vehicle Crash	136	3%	1 hr 17 m	67	8	4	18	6	33
Emergency Vehicles	62	1%	39 min	34	0	6	6	2	14
Slow Traffic	38	0.88%		18	0	3	9	0	8
3+ Vehicle Crash	29	0.67%	4 hr 53 m	20	0	0	2	1	6
Vehicle Fire	26	0.60%	45 min	9	3	0	5	0	9
Towing Operation	20	0.46%	7 hr 14 m	4	0	0	7	0	9
Earlier Crash	16	0.37%		3	1	1	2	4	5
Total	4,292	100%	1 hr 22 m	1,877	152	139	582	110	1,432

* - Totals include Highway Helper Incidents

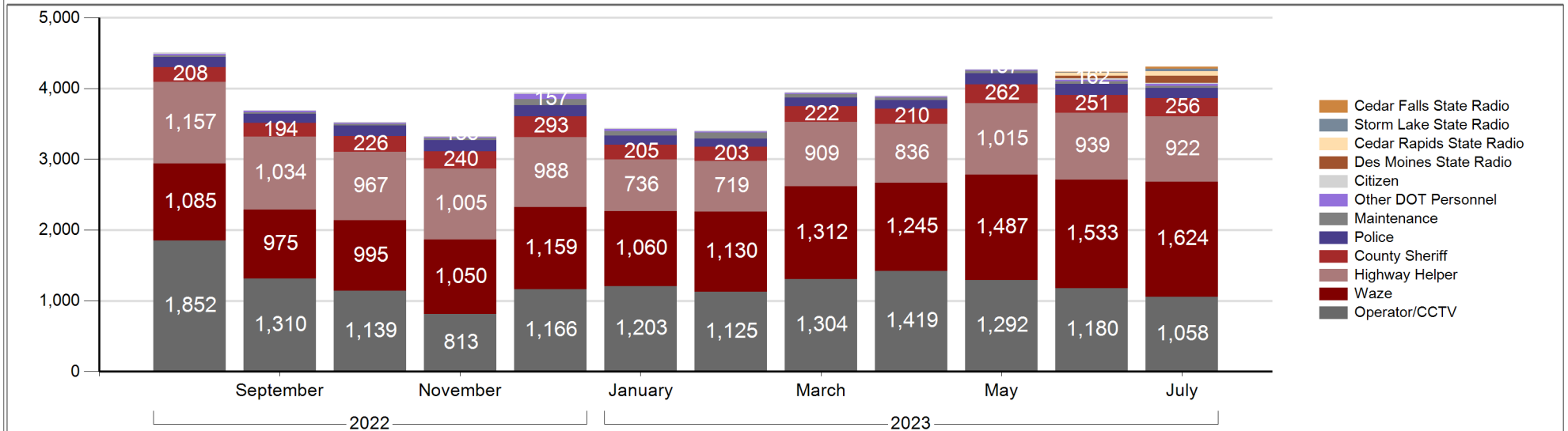


INCIDENT TOTALS BY DETECTION TYPE

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	1,624	38%	758	61	52	176	41	536
Operator/CCTV	1,058	25%	530	46	20	131	8	323
Highway Helper	922	21%	337	1	1	161	6	416
County Sheriff	256	6%	58	21	49	52	21	55
Police	147	3%	98	2	9	4	6	28
Des Moines State Radio	99	2%	64	0	0	21	14	0
Cedar Rapids State Radio	65	2%	12	0	0	0	6	47
Storm Lake State Radio	37	0.86%	1	0	4	32	0	0
Cedar Falls State Radio	31	0.72%	6	18	0	0	1	6
Maintenance	30	0.69%	8	1	1	2	3	15
Other DOT Personnel	24	0.56%	5	1	0	6	5	7
Citizen	15	0.35%	5	2	1	2	1	4
Other	9	0.21%	0	0	2	2	2	3
Total	4,317	100%	1,882	153	139	589	114	1,440

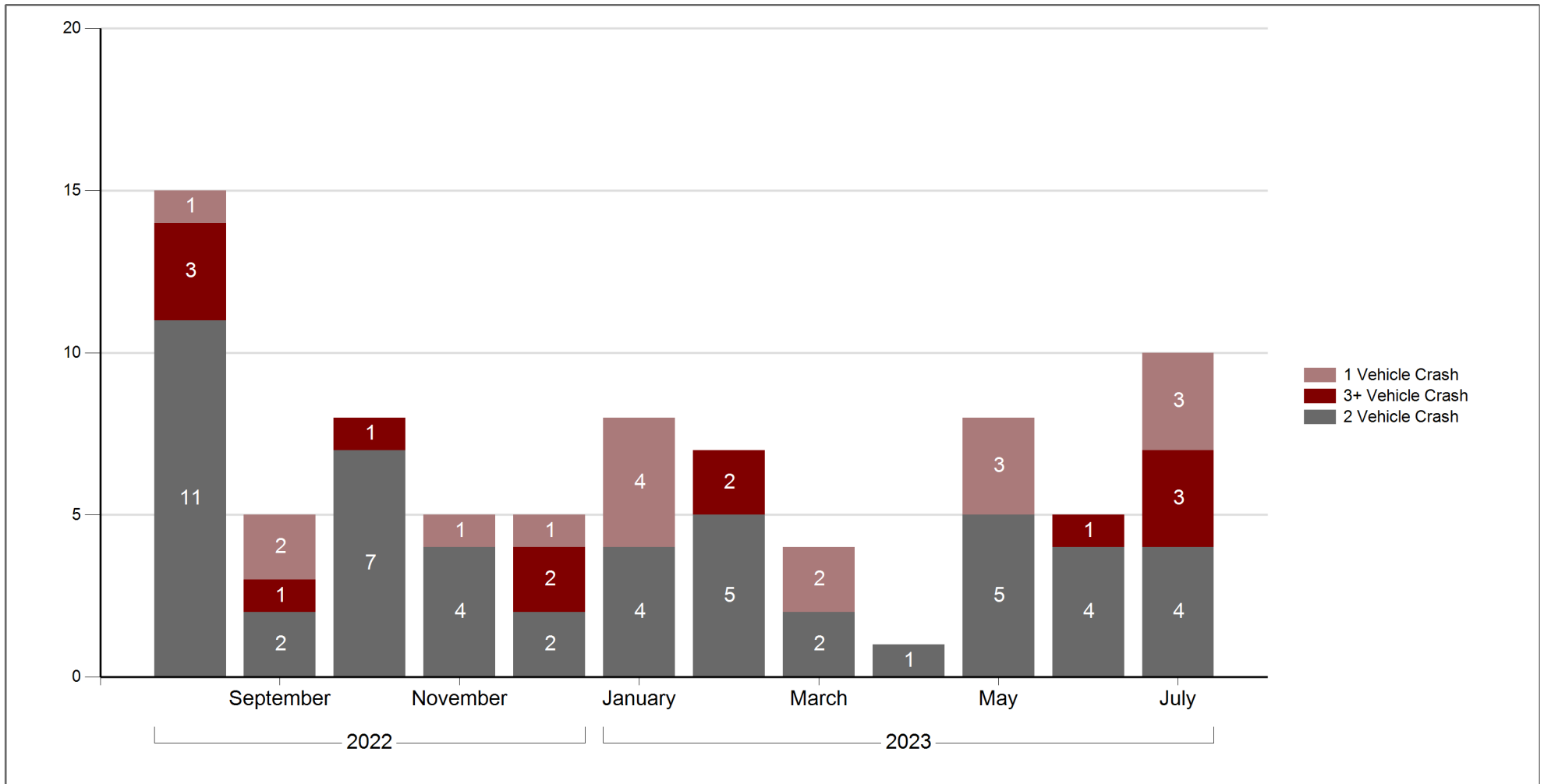
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

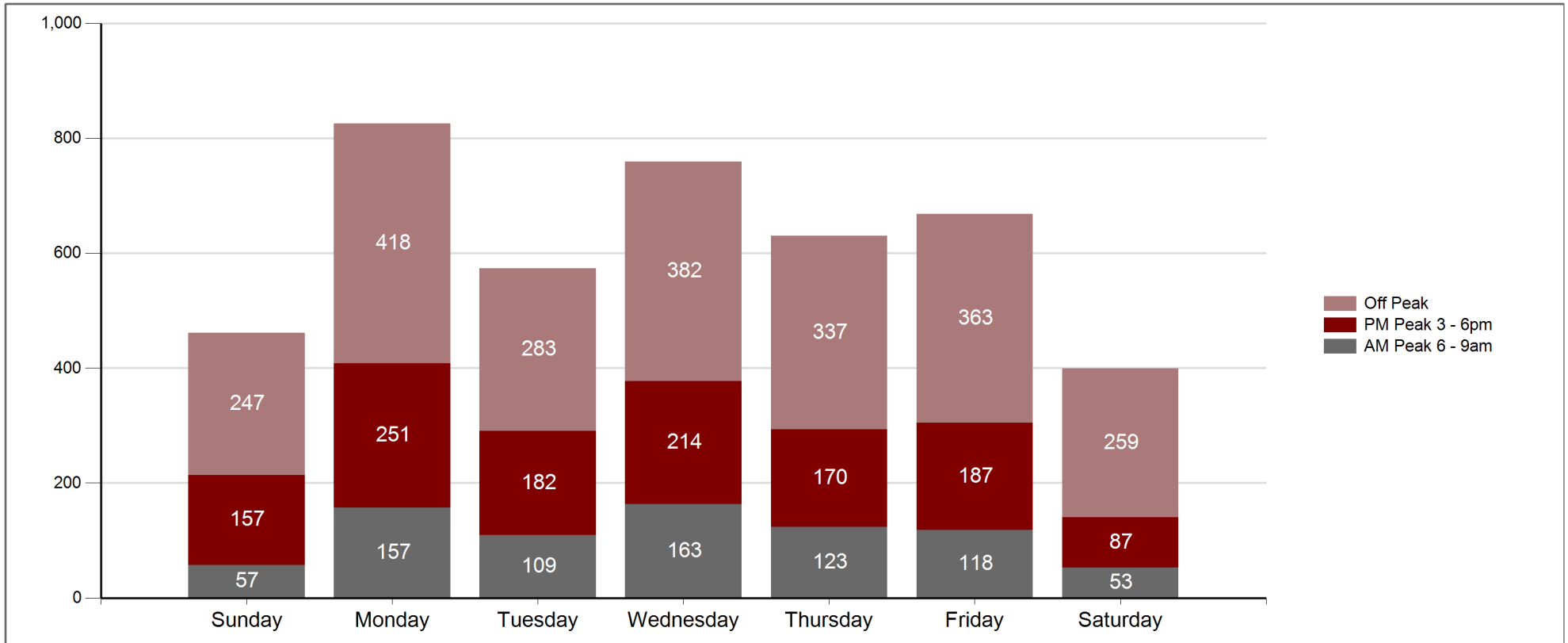
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	4	40%	36 min	2	0	0	1	0	1
1 Vehicle Crash	3	30%		0	0	0	2	1	0
3+ Vehicle Crash	3	30%	30 min	1	0	0	1	0	1
Total	10	100%	33 min	3	0	0	4	1	2



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.

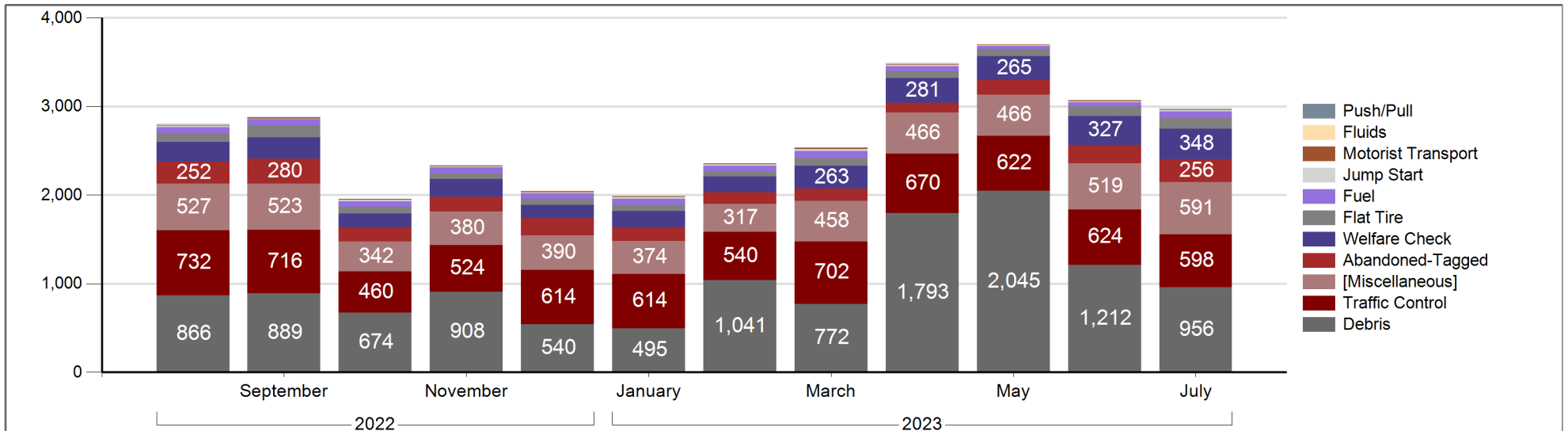
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Monday	826	19%	54 min	367	25	27	129	17	261
Wednesday	759	18%	1 hr 6 m	302	29	28	118	14	268
Friday	668	15%	2 hr 21 m	287	19	20	93	24	225
Thursday	630	15%	1 hr 32 m	277	23	15	73	12	230
Tuesday	574	13%	1 hr 22 m	266	18	16	66	11	197
Sunday	461	11%	57 min	203	23	15	66	21	133
Saturday	399	9%	56 min	180	16	18	44	15	126
Total	4,317	100%	54 min	1,882	153	139	589	114	1,440



HIGHWAY HELPER RESPONSES

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

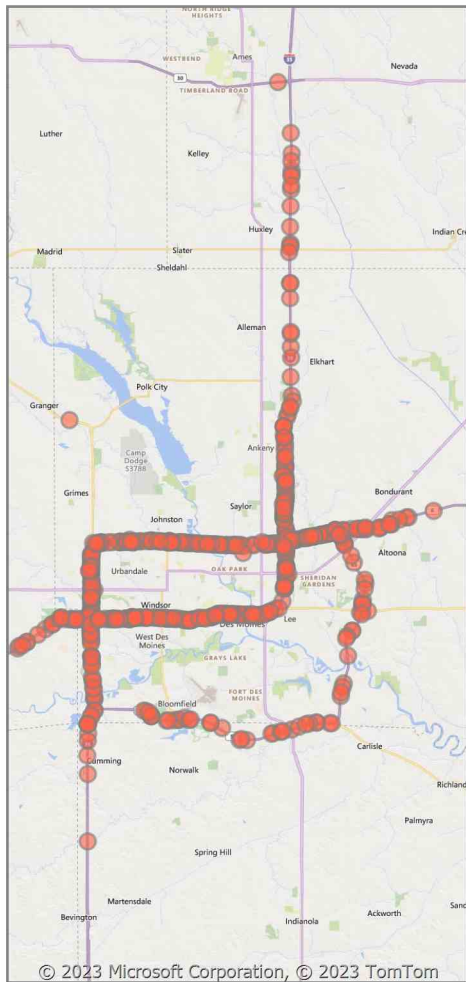
Type	Total	%	Avg Impact	Des Moines	Council Bluffs	Cedar Rapids / Iowa City	Davenport
Debris	956	32%	28 min	317	144	151	343
Traffic Control	598	20%	48 min	158	92	140	96
[Miscellaneous]	591	20%	45 min	183	80	138	103
Welfare Check	348	12%	41 min	109	49	86	65
Abandoned-Tagged	256	9%		110	34	50	32
Flat Tire	125	4%		31	16	34	32
Fuel	65	2%		21	10	10	18
Jump Start	18	0.61%	45 min	6	2	4	4
Motorist Transport	10	0.34%		3	0	3	0
Fluids	6	0.20%		3	0	2	1
Push/Pull	2	0.07%	24 min	0	0	0	0
Total	2,975	100%	45 min	941	427	618	694



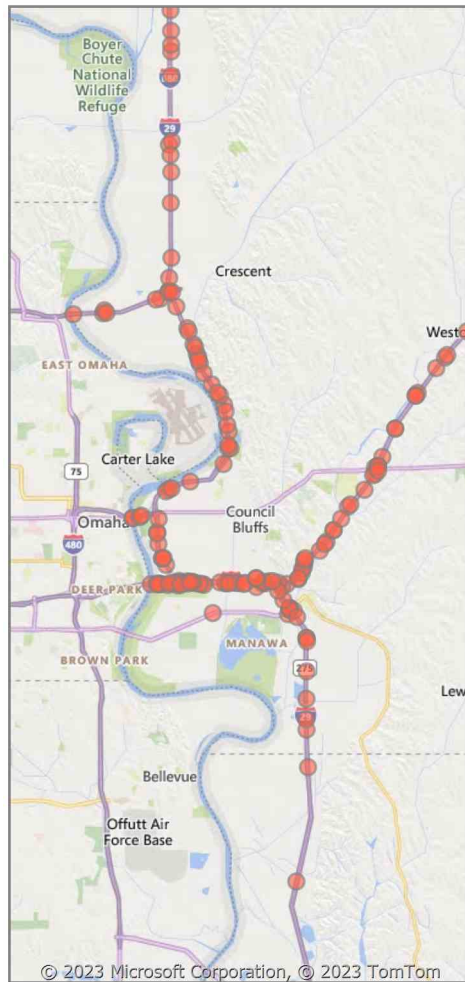
HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

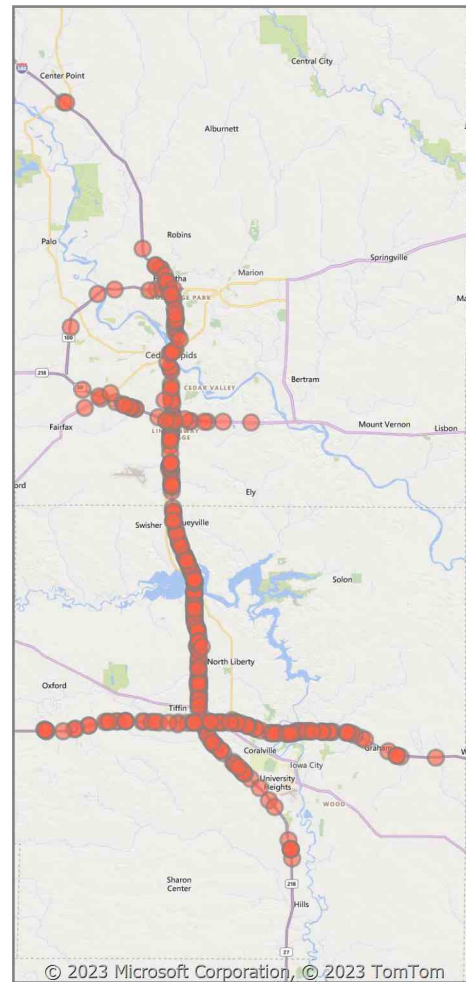
DES MOINES



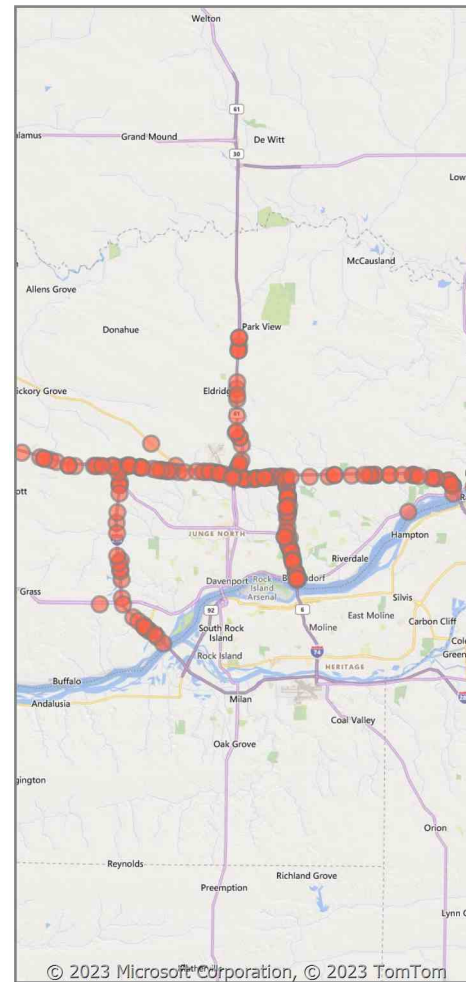
COUNCIL BLUFFS



CEDAR RAPIDS / IOWA CITY



DAVENPORT

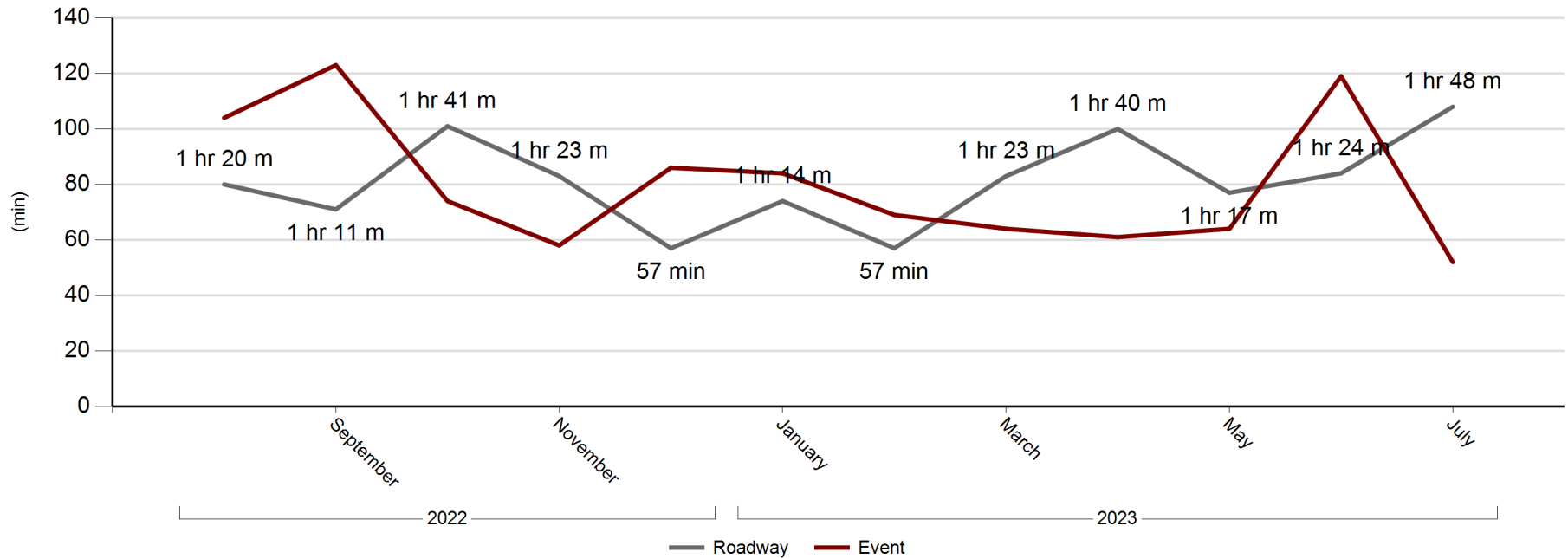


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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	52 min	49 min	23 min	1 hr 43 m	57 min	1 hr 2 m	48 min
	Federal	58 min	1 hr 38 m		1 hr 10 m		47 min	29 min
	Interstate	48 min	40 min			57 min	1 hr 17 m	1 hr
	State	1 hr	1 hr 23 m	23 min	1 hr 59 m			38 min
Roadway	All	1 hr 48 m	39 min	47 min	1 hr 30 m	2 hr 20 m	10 hr 49 m	59 min
	Federal	3 hr 42 m	59 min	1 hr 10 m	1 hr 55 m	2 hr 36 m	18 hr 53 m	1 hr 36 m
	Interstate	56 min	30 min	22 min	9 min	1 hr 58 m	55 min	44 min
	State	1 hr 19 m	48 min	15 min	1 hr 24 m	5 hr 30 m	15 min	41 min

All Roads (Interstate / Federal / State)

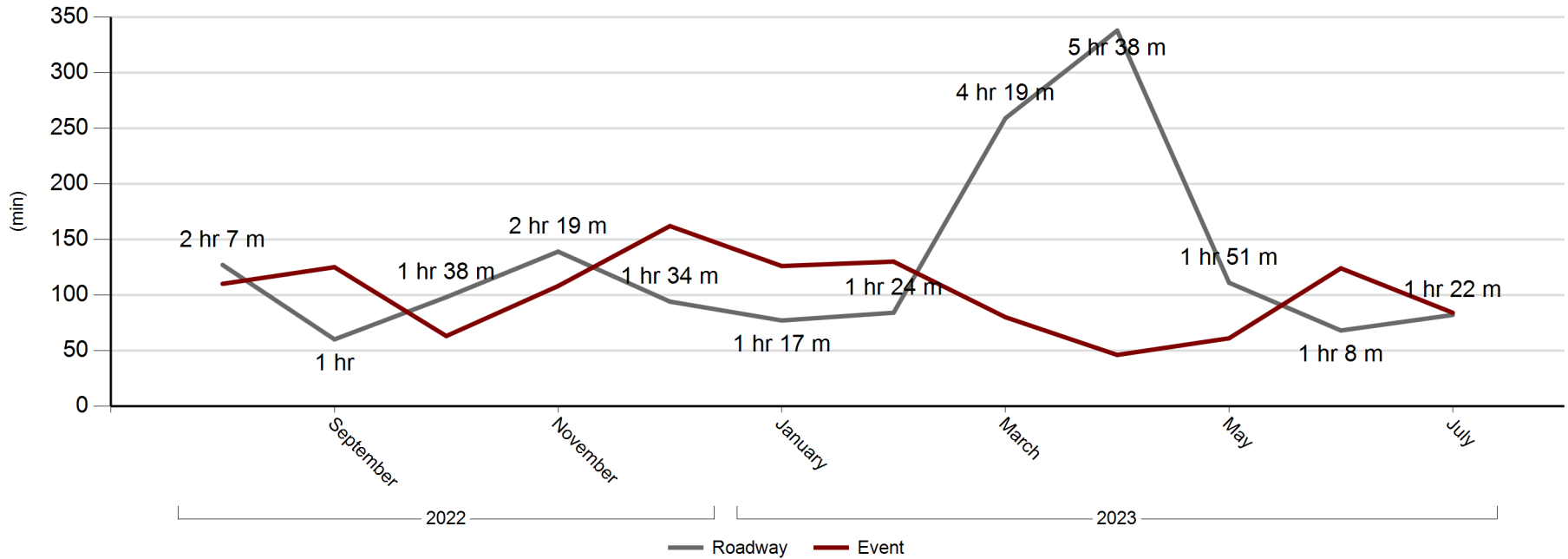


INCIDENT CLEARANCE TIMES (ALL TYPES)

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 24 m	1 hr 58 m	39 min	1 hr 43 m	42 min	1 hr 2 m	56 min
	Federal	1 hr 40 m	3 hr 25 m		1 hr 10 m	44 min	47 min	29 min
	Interstate	1 hr 26 m	1 hr 53 m	1 hr 11 m		42 min	1 hr 17 m	1 hr 7 m
	State	46 min	40 min	23 min	1 hr 59 m			30 min
Roadway	All	1 hr 22 m	38 min	51 min	58 min	1 hr 42 m	7 hr 35 m	1 hr 25 m
	Federal	2 hr 23 m	39 min	53 min	1 hr 30 m	2 hr 25 m	15 hr 44 m	1 hr 27 m
	Interstate	1 hr 3 m	38 min	53 min	13 min	1 hr 24 m	44 min	1 hr 28 m
	State	1 hr 2 m	33 min	43 min	1 hr 24 m	4 hr 13 m	15 min	48 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 10 m)								
	07/12 06:22 AM	270673	I-80			1	2 hr 32 m	Single vehicle crash event on I-80 W @ MM 25 (near Neola).
	07/10 06:58 AM	270316	IA-31			1	3 hr 22 m	Single vehicle crash event on IA-31 N @ MM 5.6 (near Oto).
	07/17 08:09 AM	271444	US-52			1	4 hr 27 m	Single vehicle crash event on US-52 N @ MM 28.3 (near St. Donatus).
	07/17 01:36 PM	271490	US-20			1	3 hr 52 m	Single vehicle crash event on US-20 E @ MM 16 (near Merville).
	07/21 07:41 AM	272090	IA-48		1		6 hr 53 m	Single vehicle crash event on IA-48 N/S @ MM 6.1 in Essex.
	07/26 05:00 AM	272777	I-80		4	4	2 hr 59 m	Single vehicle crash event on I-80 W @ MM 91.6 (near Stuart).
2 Vehicle Crash (Avg Impact : 1 hr 17 m)								
	07/08 03:13 AM	270142	I-80	1	1	1	12 hr 56 m	2 vehicle crash event on I-80 W @ MM 5 in Council Bluffs.
	07/15 09:41 AM	271255	I-80	1			4 hr 20 m	2 vehicle crash event on I-80 E @ MM 121 in West Des Moines.
	07/21 10:34 PM	272203	US-34	1	1		5 hr 26 m	2 vehicle crash event on US-34 E/W @ MM 95.4 (near Afton).
	07/11 02:45 PM	270540	IA-2	2			4 hr 7 m	2 vehicle crash event on IA-2 E @ MM 45.2 (near Yorktown).
	07/26 04:17 PM	272894	I-29	2	2	1	5 hr 35 m	2 vehicle crash event on I-29 N @ MM 93.4 (near Little Sioux).
3+ Vehicle Crash (Avg Impact : 4 hr 53 m)								
	07/28 08:11 PM	273332	US-63	2	2	2	3 days	3+ vehicle crash event on US-63 N/S @ MM 28.4 (near Ottumwa).
Debris (Avg Impact : 18 min)								
	07/23 02:14 PM	272354	US-52				2 hr 41 m	Debris event on US-52 S @ MM 15 (near Springbrook).
Emergency Repairs (Avg Impact : 1 hr 30 m)								
	07/17 08:31 AM	271448	I-80				2 hr 45 m	Emergency repairs event on I-80 W @ MM 121 in West Des Moines.
Emergency Vehicles (Avg Impact : 39 min)								
	07/13 05:35 AM	270884	US-30				3 hr 23 m	Emergency vehicles event on US-30 E/W @ MM 10.8 (near Missouri Valley).
Stalled Vehicle (Avg Impact : 34 min)								
	07/12 09:08 PM	270863	US-6				3 hr 45 m	Stalled vehicle event on US-6 W @ MM 256.9 (near Iowa City).
Vehicle Fire (Avg Impact : 45 min)								
	07/04 04:52 PM	269635	I-35				2 hr 11 m	Vehicle fire event on I-35 S @ MM 179 (near Thornton).