

# TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

July 2024

This report contains statistical and operational data for TMC activities from the period of July 01, 2024 to July 31, 2024.

## Executive Summary

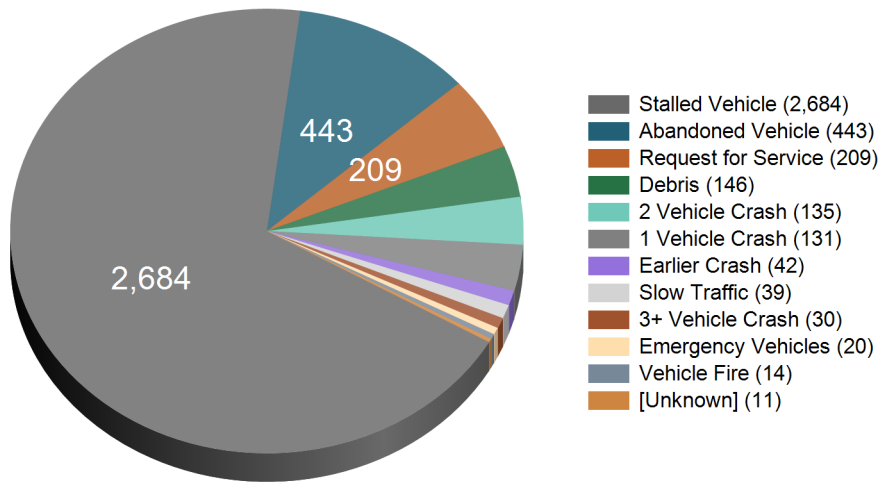
<p><b>TOTAL INCIDENTS</b> The total number of incidents during the period. *</p> <table border="1"> <thead> <tr> <th>Previous</th> <th>Current</th> </tr> <tr> <th>June</th> <th>July</th> </tr> </thead> <tbody> <tr> <td><b>4,161</b></td> <td><b>4,290</b></td> </tr> </tbody> </table>	Previous	Current	June	July	<b>4,161</b>	<b>4,290</b>	<p><b>TOTAL SECONDARY INCIDENTS</b> Crashes that occur within the original incident scene or resulting queue.</p> <table border="1"> <thead> <tr> <th>Previous</th> <th>Current</th> </tr> <tr> <th>June</th> <th>July</th> </tr> </thead> <tbody> <tr> <td><b>6</b></td> <td><b>2</b></td> </tr> </tbody> </table>	Previous	Current	June	July	<b>6</b>	<b>2</b>	<p><b>TOTAL MULTI-VEHICLE INCIDENTS</b> The total number of multi-vehicle incidents during the period.</p> <table border="1"> <thead> <tr> <th>Previous</th> <th>Current</th> </tr> <tr> <th>June</th> <th>July</th> </tr> </thead> <tbody> <tr> <td><b>151</b></td> <td><b>182</b></td> </tr> </tbody> </table>	Previous	Current	June	July	<b>151</b>	<b>182</b>
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<p><b>LANE BLOCKAGE INCIDENTS</b> The total number of incidents which resulted in at least one blocked lane of travel.*</p> <table border="1"> <thead> <tr> <th>Previous</th> <th>Current</th> </tr> <tr> <th>June</th> <th>July</th> </tr> </thead> <tbody> <tr> <td><b>368</b></td> <td><b>352</b></td> </tr> </tbody> </table>	Previous	Current	June	July	<b>368</b>	<b>352</b>	<p><b>AVERAGE CLEARANCE TIME</b> The average time for all lanes to be cleared after a crash.</p> <table border="1"> <thead> <tr> <th>Previous</th> <th>Current</th> </tr> <tr> <th>June</th> <th>July</th> </tr> </thead> <tbody> <tr> <td><b>1 hr 5 m</b></td> <td><b>56 min</b></td> </tr> </tbody> </table>	Previous	Current	June	July	<b>1 hr 5 m</b>	<b>56 min</b>	<p><b>TOTAL HIGHWAY HELPER RESPONSES</b> The total number of incidents Highway Helper responded to during the period.</p> <table border="1"> <thead> <tr> <th>Previous</th> <th>Current</th> </tr> <tr> <th>June</th> <th>July</th> </tr> </thead> <tbody> <tr> <td><b>1,147</b></td> <td><b>1,285</b></td> </tr> </tbody> </table>	Previous	Current	June	July	<b>1,147</b>	<b>1,285</b>
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\* - excludes roadwork

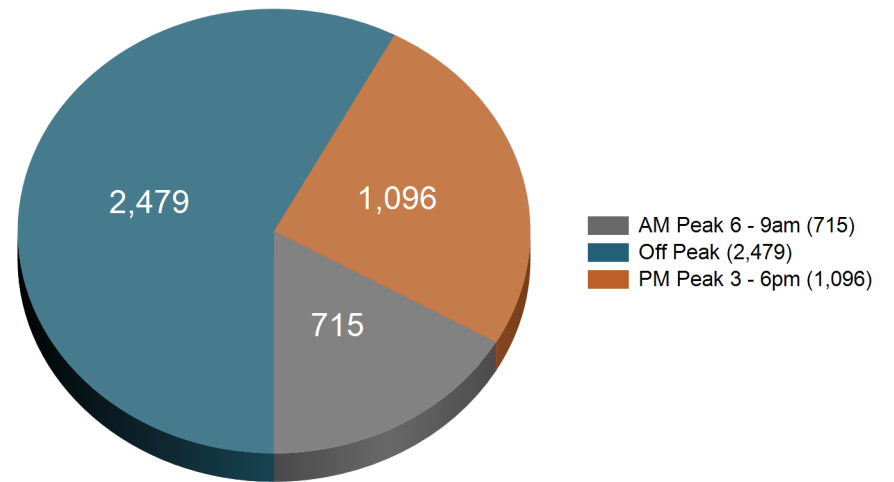
\*\* - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

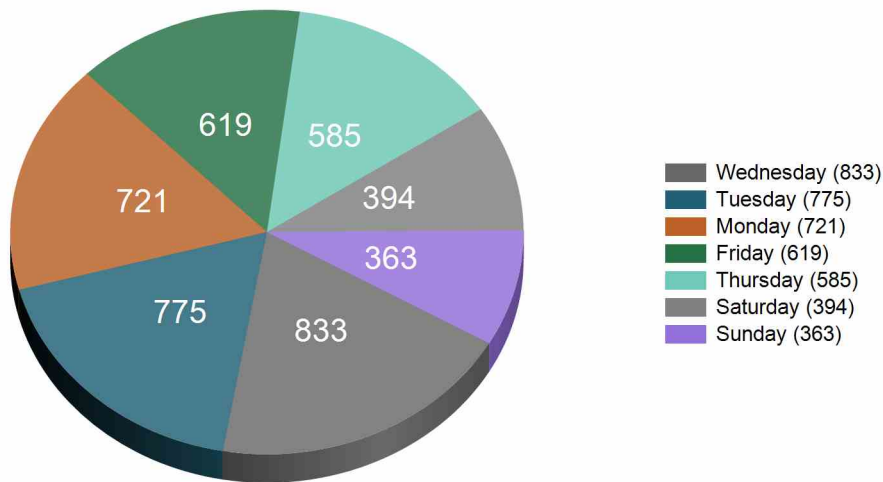
Incidents By Type



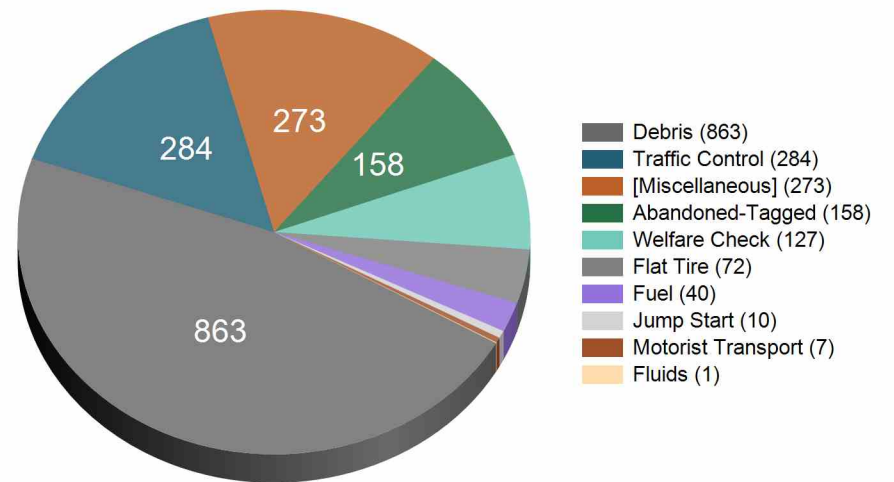
Incidents By Shift



Incidents By Day



Highway Helper Response

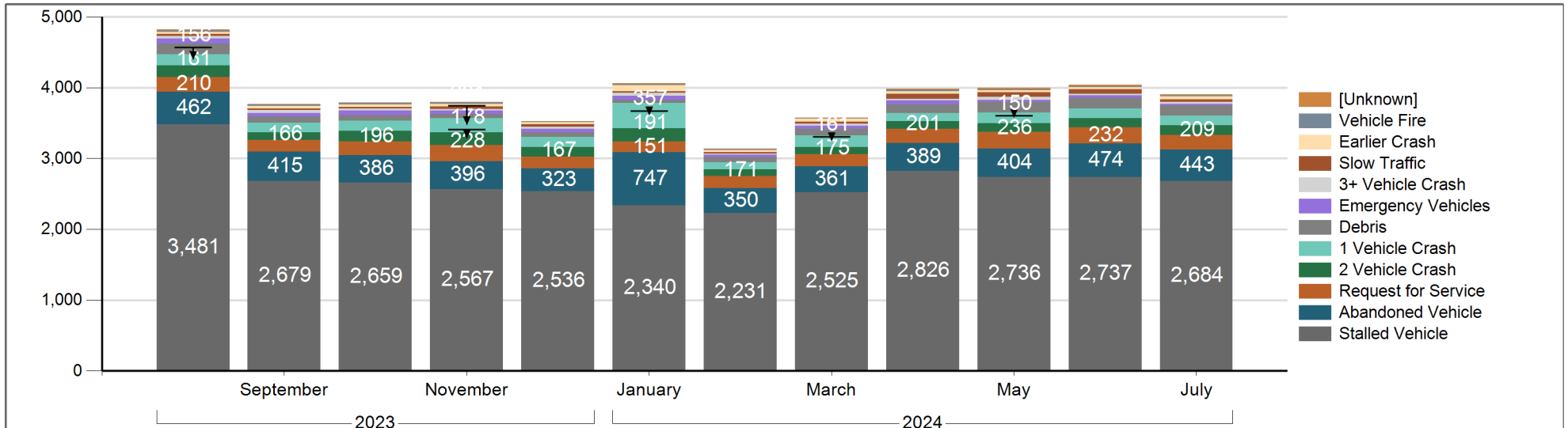


**INCIDENT TOTALS BY TYPE**

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	2,684	68%	32 min	1,104	56	42	688	43	751
Abandoned Vehicle	443	11%	15 min	231	4	7	62	7	132
Request for Service	209	5%		63	20	29	28	21	48
Debris	146	4%	28 min	74	5	2	7	6	52
2 Vehicle Crash	135	3%	1 hr 1 m	67	5	6	14	6	37
1 Vehicle Crash	131	3%	56 min	44	5	5	23	12	42
Earlier Crash	42	1%		10	1	3	10	7	11
Slow Traffic	39	0.99%		24	1	0	2	0	12
3+ Vehicle Crash	30	0.76%	47 min	18	0	2	2	1	7
Emergency Vehicles	20	0.51%	1 hr 33 m	8	1	2	4	0	5
Vehicle Fire	14	0.35%	1 hr 34 m	6	2	1	0	0	5
[Unknown]	11	0.28%		1	0	0	1	8	1
<b>Total</b>	<b>3,904</b>	<b>100%</b>	<b>1 hr 27 m</b>	<b>1,650</b>	<b>100</b>	<b>99</b>	<b>841</b>	<b>111</b>	<b>1,103</b>

\* - Totals include Highway Helper Incidents

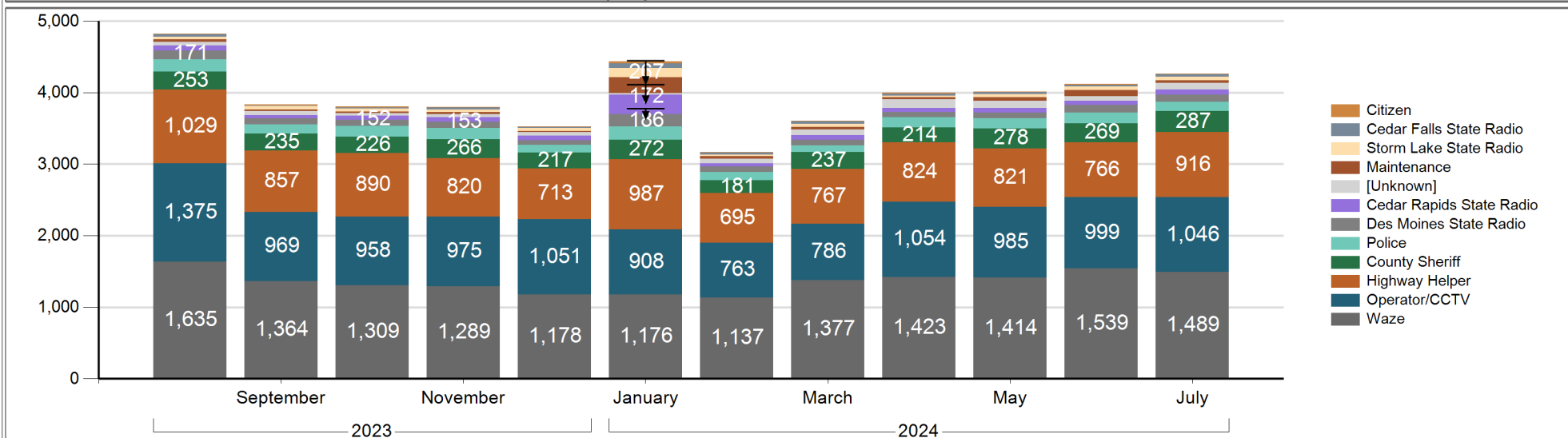


**INCIDENT TOTALS BY DETECTION TYPE**

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*
Waze	1,489	35%	735	39	43	187	41	444
Operator/CCTV	1,046	24%	347	17	9	473	15	185
Highway Helper	916	21%	410	0	0	137	6	363
County Sheriff	287	7%	69	23	40	48	32	75
Police	130	3%	91	0	2	3	6	28
Other	119	3%	53	8	2	17	2	37
Des Moines State Radio	103	2%	80	1	0	9	13	0
Cedar Rapids State Radio	68	2%	11	0	0	0	8	49
Storm Lake State Radio	50	1%	1	0	11	38	0	0
Maintenance	37	0.86%	12	1	2	6	5	11
Cedar Falls State Radio	32	0.75%	10	16	0	0	0	6
Citizen	13	0.30%	9	0	0	3	0	1
<b>Total</b>	<b>4,290</b>	<b>100%</b>	<b>1,828</b>	<b>105</b>	<b>109</b>	<b>921</b>	<b>128</b>	<b>1,199</b>

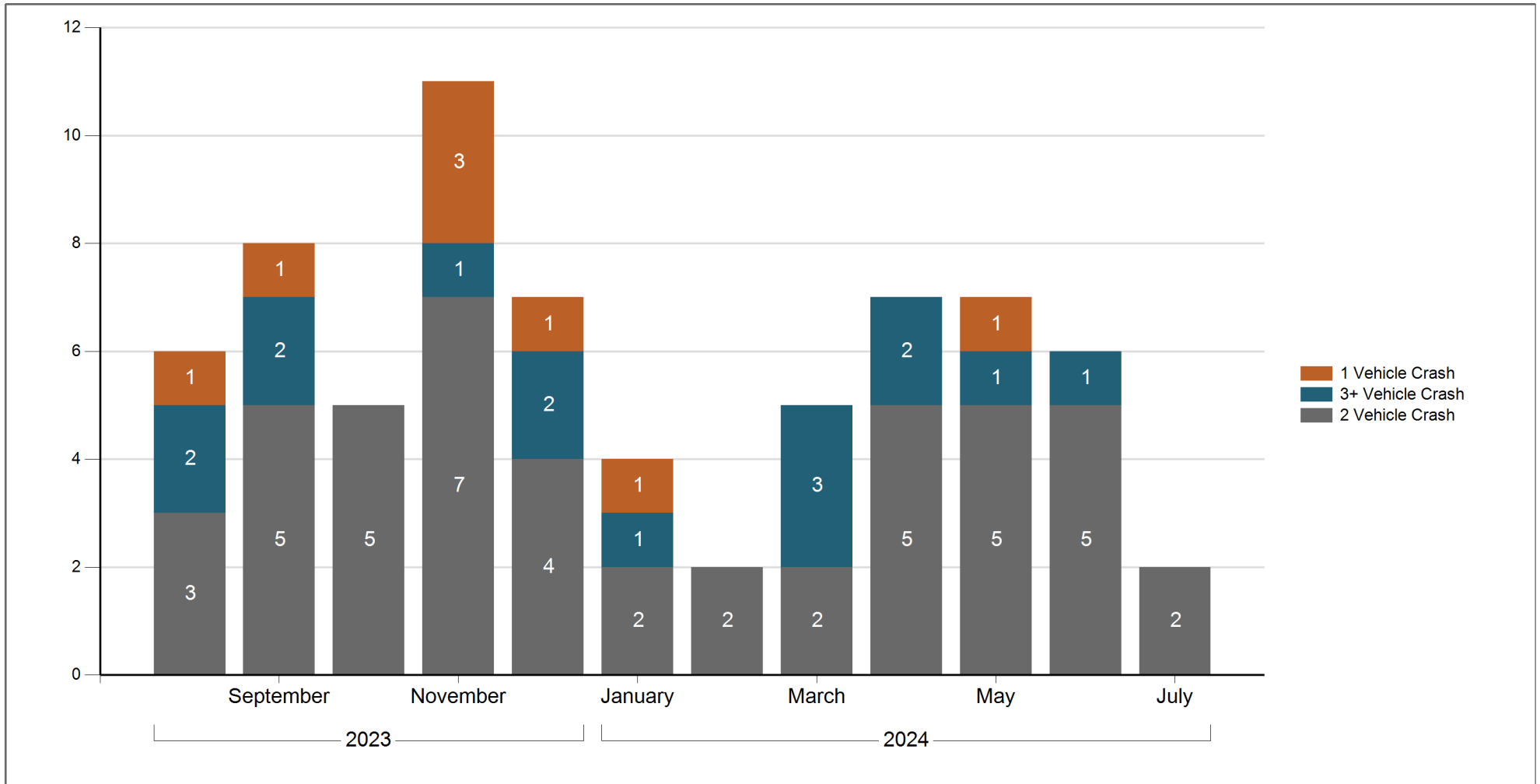
\* - Totals include Highway Helper Incidents



**SECONDARY INCIDENTS BY TYPE**

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

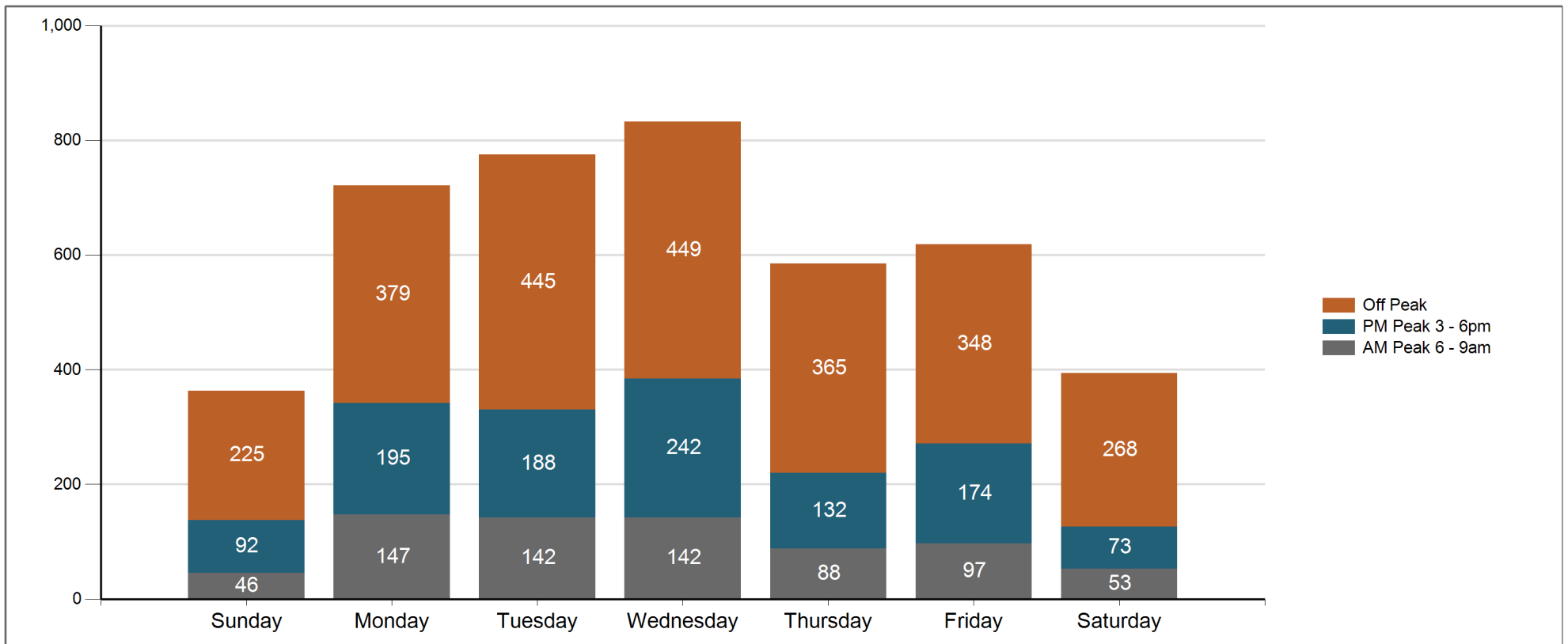
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	2	100%	14 min	1	0	0	0	0	1
Total	2	100%	14 min	1	0	0	0	0	1



**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.

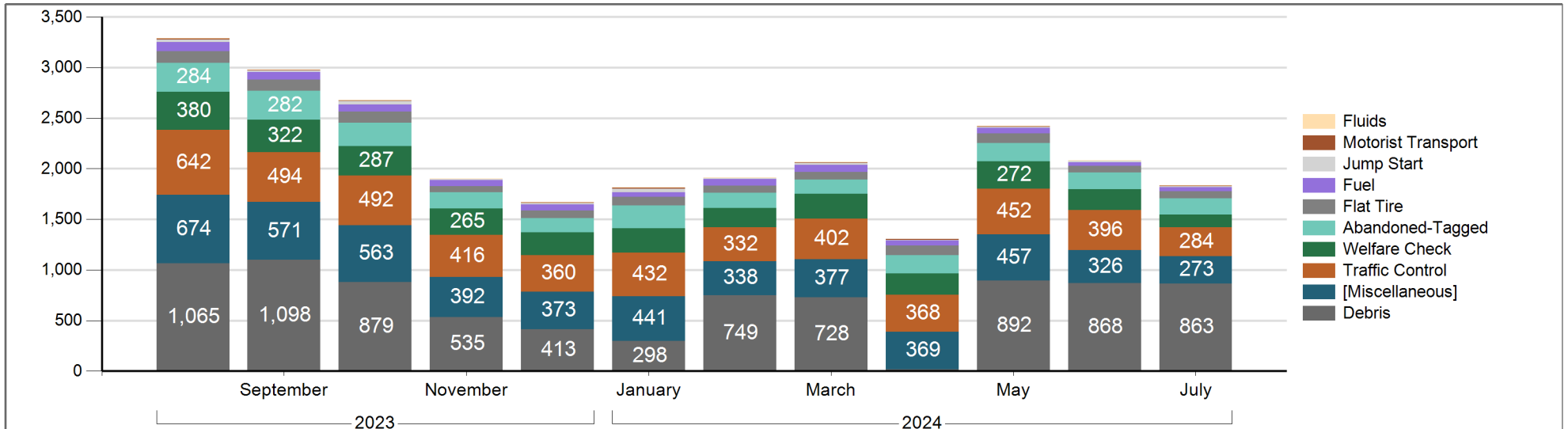
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Wednesday	833	19%	59 min	381	20	22	187	21	202
Tuesday	775	18%	48 min	320	11	11	179	36	218
Monday	721	17%	2 hr 18 m	312	26	14	120	17	232
Friday	619	14%	3 hr 40 m	268	16	13	100	18	204
Thursday	585	14%	39 min	248	13	17	111	14	182
Saturday	394	9%	1 hr 28 m	155	10	13	120	11	85
Sunday	363	8%	58 min	144	9	19	104	11	76
<b>Total</b>	<b>4,290</b>	<b>100%</b>	<b>59 min</b>	<b>1,828</b>	<b>105</b>	<b>109</b>	<b>921</b>	<b>128</b>	<b>1,199</b>



**HIGHWAY HELPER RESPONSES**

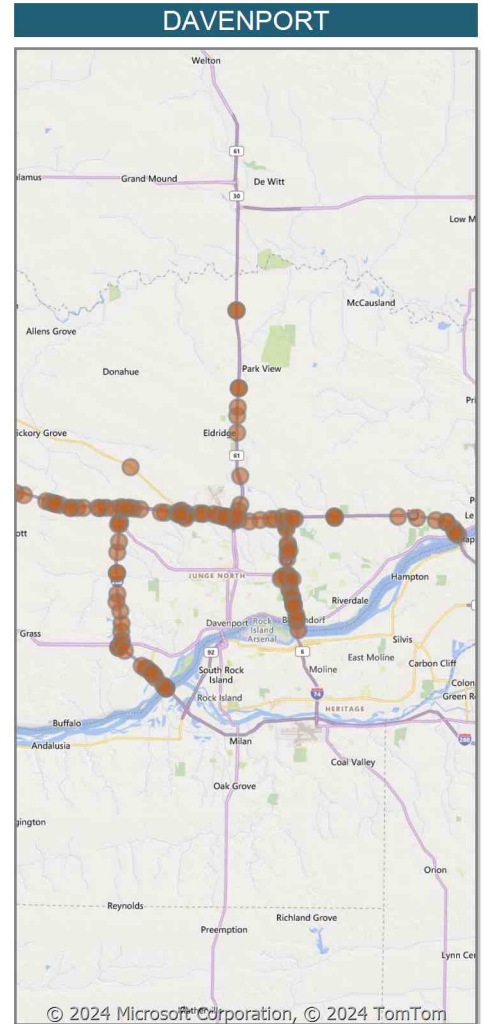
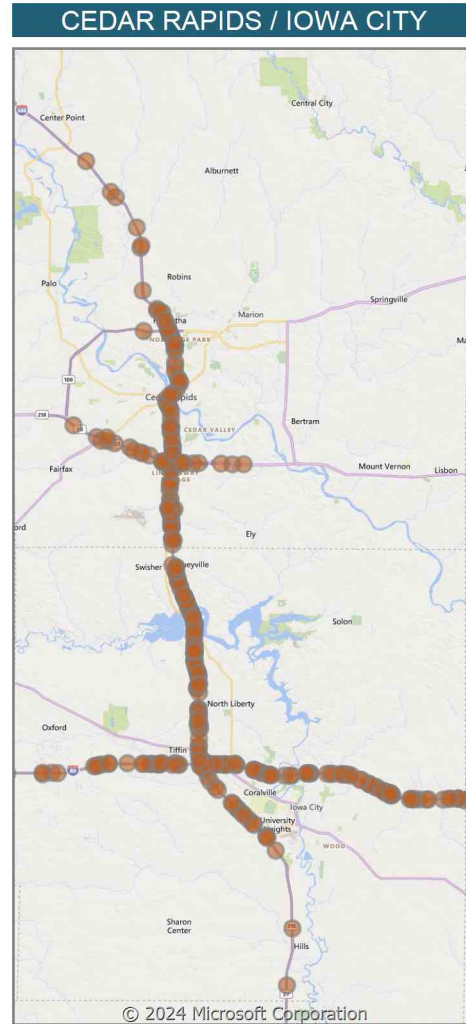
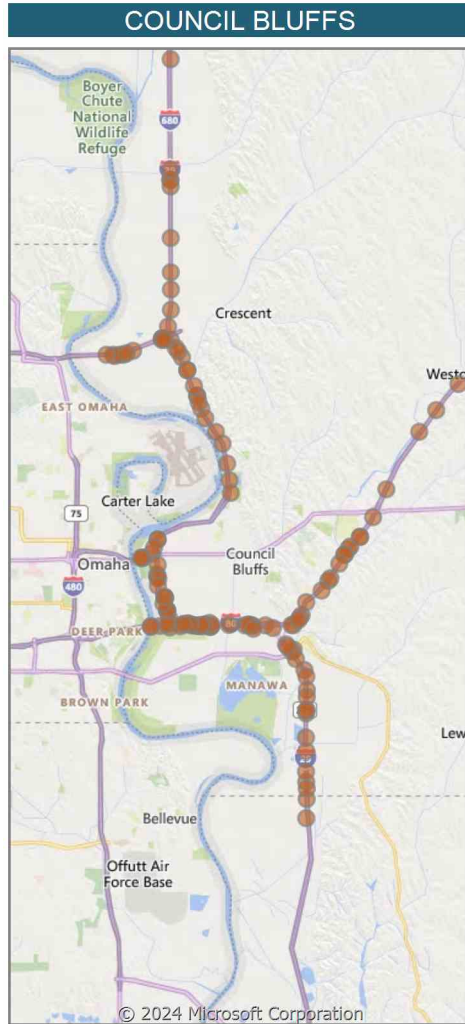
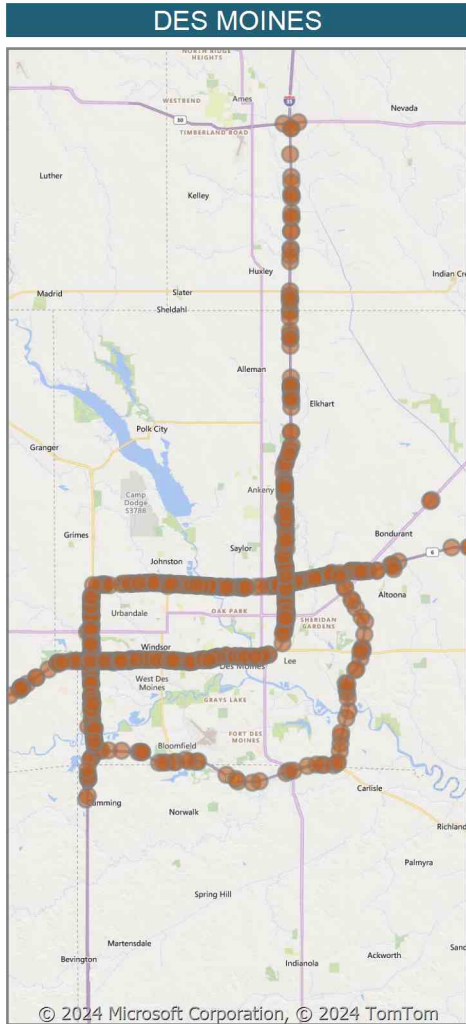
The total number of incidents Highway Helper responded to during the period.

Type	Total	%	Avg Impact	Des Moines	Council Bluffs	Cedar Rapids / Iowa City	Davenport
Debris	863	47%	30 min	341	89	193	240
Traffic Control	284	15%	23 min	88	56	94	46
[Miscellaneous]	273	15%	22 min	97	54	69	53
Abandoned-Tagged	158	9%		80	26	26	26
Welfare Check	127	7%	19 min	48	27	32	20
Flat Tire	72	4%		15	10	33	14
Fuel	40	2%		16	10	8	6
Jump Start	10	0.54%		0	4	4	2
Motorist Transport	7	0.38%		3	0	4	0
Fluids	1	0.05%		0	0	0	1
<b>Total</b>	<b>1,835</b>	<b>100%</b>	<b>23 min</b>	<b>688</b>	<b>276</b>	<b>463</b>	<b>408</b>



HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.



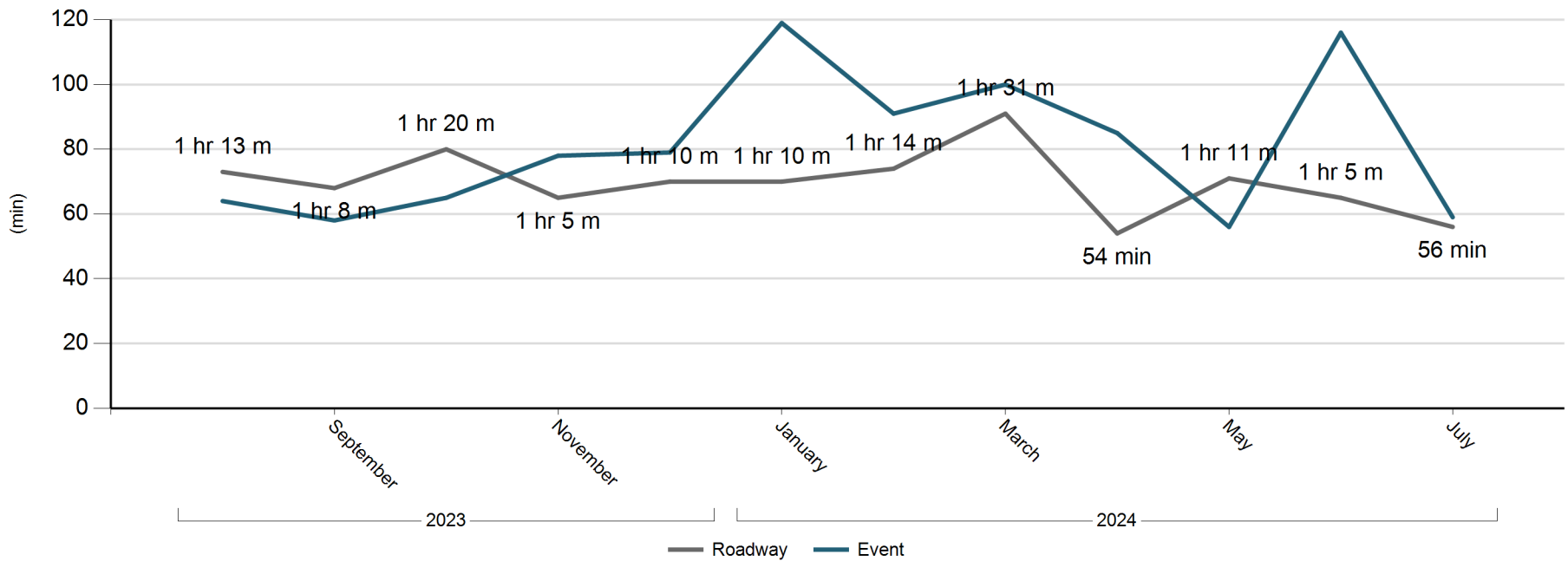


**INCIDENT CLEARANCE TIMES (CRASHES ONLY)**

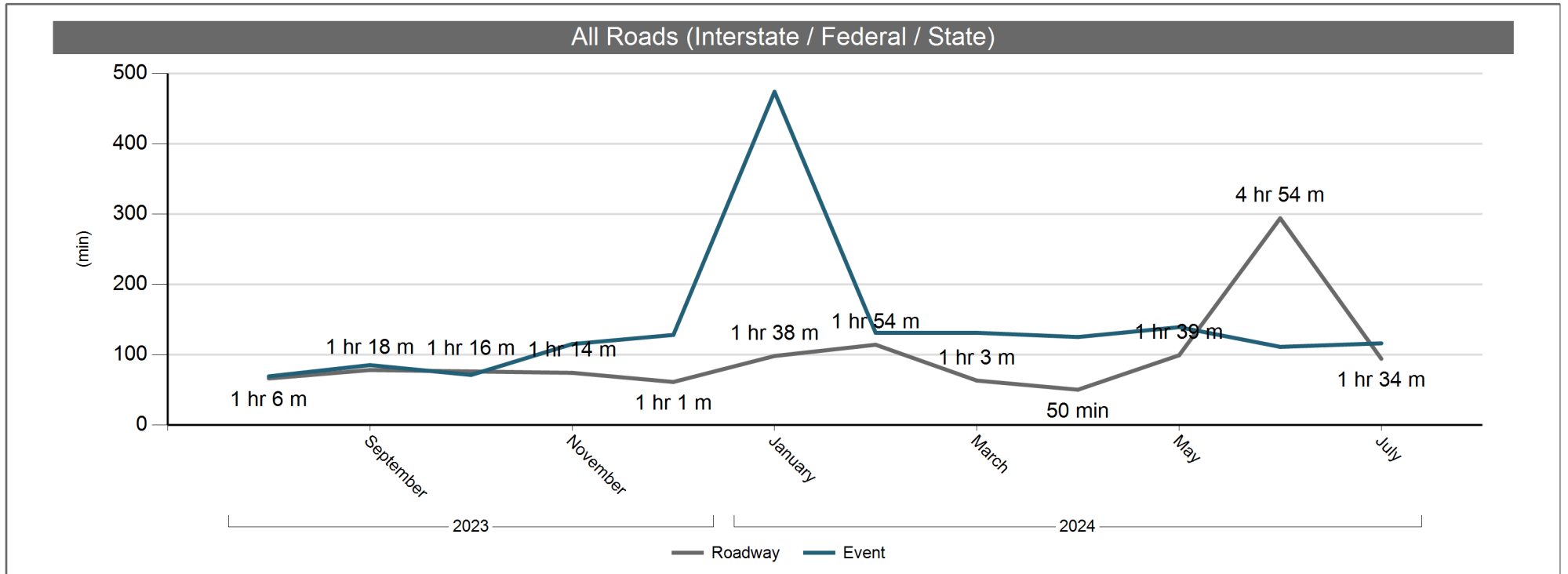
Event : All Responders Departed / Roadway : All Lanes Re-Opened

	Type	Total	District 1	District 2	District 3	District 4	District 5	District 6
Event	All	<b>59 min</b>	45 min		35 min	2 hr 21 m		52 min
	Federal	2 hr 5 m				3 hr 19 m		1 hr 28 m
	Interstate	57 min	46 min		35 min	2 hr 10 m		47 min
	State	37 min	25 min					50 min
Roadway	All	<b>56 min</b>	44 min	1 hr 27 m	1 hr 25 m	1 hr 29 m	1 hr 7 m	47 min
	Federal	1 hr 12 m	1 hr 20 m	1 hr 35 m	1 hr 39 m	12 min	1 hr 19 m	42 min
	Interstate	45 min	32 min	39 min	9 min	1 hr 41 m	36 min	43 min
	State	1 hr 18 m	58 min	2 hr 7 m	1 hr 59 m	1 hr 7 m	1 hr 24 m	1 hr 18 m

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 56 m</b>		1 hr 38 m		20 min	4 hr 46 m	1 hr 33 m	1 hr 21 m
	Federal	3 hr 32 m		2 min		6 min	9 hr 55 m		1 hr 5 m
	Interstate	1 hr 53 m		1 hr 47 m		35 min	3 hr 42 m		1 hr 27 m
	State	35 min		22 min			5 min	1 hr 33 m	44 min
Roadway	All	<b>1 hr 34 m</b>		35 min	2 hr 1 m	9 hours	1 hr 21 m	5 hr 38 m	50 min
	Federal	1 hr 17 m		1 hr 24 m	59 min	1 hr 57 m	1 hr 22 m	1 hr 19 m	50 min
	Interstate	38 min		24 min	36 min	14 min	1 hr 25 m	34 min	43 min
	State	6 hr 11 m		41 min	3 hr 22 m	1 day 13 hr	38 min	15 hr 8 m	1 hr 50 m



INCIDENTS (CLEARANCE TIME DEVIATION)

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
1 Vehicle Crash (Avg Impact : 58 min)								
	07/31 06:23 PM	<a href="#">323399</a>	I-29			1	2 hr 22 m	Single vehicle crash event on I-29 N @ MM 63 (near Crescent).
	07/01 04:15 PM	<a href="#">319136</a>	I-880		1	1	3 hr 43 m	Single vehicle crash event on I-880 W @ MM 16.5 (near Minden).
	07/31 06:00 AM	<a href="#">323276</a>	IA-415	1			4 hr 6 m	Single vehicle crash event on IA-415 N @ MM 0.8 (near Des Moines).
	07/25 08:17 AM	<a href="#">322392</a>	US-71			1	3 hr 13 m	Single vehicle crash event on US-71 N @ MM 128.5 (near Auburn).
	07/26 08:10 PM	<a href="#">322694</a>	US-6		3		2 hr 32 m	Single vehicle crash event on US-6 E @ MM 135.7 in Des Moines.
	07/28 09:09 PM	<a href="#">322920</a>	IA-62		1		3 hr 19 m	Single vehicle crash event on IA-62 N @ MM 0.1 in Maquoketa.
	07/02 01:18 PM	<a href="#">319257</a>	US-69		1		2 hr 30 m	Single vehicle crash event on US-69 N @ MM 114.2 in Ames.
	07/26 08:03 AM	<a href="#">322553</a>	I-80		4		3 hr 5 m	Single vehicle crash event on I-80 W @ MM 230.5 (near Oxford).
	07/03 12:38 PM	<a href="#">319390</a>	US-63		1		3 hr 6 m	Single vehicle crash event on US-63 N @ MM 36 (near Ottumwa).
2 Vehicle Crash (Avg Impact : 58 min)								
	07/18 12:58 PM	<a href="#">321417</a>	I-680		1	1	3 hr 12 m	2 vehicle crash event on I-680 W @ MM 1.5 (near Crescent).
	07/18 06:30 PM	<a href="#">321468</a>	I-80			2	3 hr 46 m	2 vehicle crash event on I-80 W @ MM 255.4 (near West Branch).
	07/24 10:44 PM	<a href="#">322337</a>	I-80		1	2	3 hr 15 m	2 vehicle crash event on I-80 E @ MM 108 (near De Soto).
	07/17 04:52 PM	<a href="#">321282</a>	IA-57		1		2 hr 17 m	2 vehicle crash event on IA-57 E @ MM 36.2 (near New Hartford).
	07/20 04:49 PM	<a href="#">321737</a>	US-18		2		3 hr 28 m	2 vehicle crash event on US-18 E @ MM 280.2 (near Postville).
	07/06 02:25 AM	<a href="#">319698</a>	IA-39		1	1	3 hr 3 m	2 vehicle crash event on IA-39 N @ MM 24.3 (near Odebolt).
	07/09 08:15 AM	<a href="#">320023</a>	IA-2	2			2 hr 53 m	2 vehicle crash event on IA-2 E @ MM 150.2 (near Corydon).
	07/09 04:10 PM	<a href="#">320103</a>	US-63	1		1	6 hr 29 m	2 vehicle crash event on US-63 N @ MM 148 (near Hudson).
	07/13 11:04 AM	<a href="#">320695</a>	IA-3		1		3 hr 49 m	2 vehicle crash event on IA-3 E @ MM 213.8 (near Clarksville).
3+ Vehicle Crash (Avg Impact : 44 min)								
	07/18 04:42 PM	<a href="#">321453</a>	IA-175		2		2 hr 28 m	3+ vehicle crash event on IA-175 E @ MM 205.7 (near Grundy Center).
	07/17 11:06 PM	<a href="#">321316</a>	US-71		1		2 hr 44 m	3+ vehicle crash event on US-71 N @ MM 159.6 (near Lakeside).
Debris (Avg Impact : 37 min)								
	07/31 10:53 PM	<a href="#">323421</a>	IA-76				13 hr 1 m	Debris event on IA-76 N @ MM 5.5 (near Marquette).
	07/16 09:47 AM	<a href="#">321056</a>	US-6				11 hr 27 m	Debris event on US-6 W @ MM 131.2 in Des Moines.

**INCIDENTS (CLEARANCE TIME DEVIATION)**

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
Emergency Vehicles (Avg Impact : 1 hr 28 m)								
	07/01 10:43 AM	<a href="#">319083</a>	US-6				3 hr 52 m	Emergency vehicles event on US-6 W @ MM 52.9 in Atlantic.
	07/13 09:08 PM	<a href="#">320755</a>	IA-64				7 hr 9 m	Emergency vehicles event on IA-64 E @ MM 34.2 in Maquoketa.
Stalled Vehicle (Avg Impact : 30 min)								
	07/20 02:14 PM	<a href="#">321714</a>	I-80				3 hr 4 m	Stalled vehicle event on I-80 W @ MM 295 in Davenport.
	07/11 07:43 PM	<a href="#">320480</a>	US-75			1	2 hr 22 m	Stalled vehicle event on US-75 S @ MM 96 (near Sioux City).
	07/10 07:23 AM	<a href="#">320184</a>	US-30				2 hr 7 m	Stalled vehicle event on US-30 E @ MM 150.7 (near Ames).
Towing Operation (Avg Impact : 2 hr 49 m)								
	07/05 06:15 AM	<a href="#">319576</a>	I-80				8 hr 35 m	Towing operation event on I-80 W @ MM 255.5 (near West Branch).
Vehicle Fire (Avg Impact : 1 hr 34 m)								
	07/13 07:52 PM	<a href="#">320751</a>	US-20		1	1	7 hr 29 m	Vehicle fire event on US-20 W @ MM 6 (near Sioux City).