



## TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

April 2022

This report contains statistical and operational data for TMC activities from the period of April 01, 2022 to April 30, 2022.

### Executive Summary

<b>TOTAL INCIDENTS</b> The total number of incidents during the period. *		<b>TOTAL SECONDARY INCIDENTS</b> Crashes that occur within the original incident scene or resulting queue.		<b>TOTAL MULTI-VEHICLE INCIDENTS</b> The total number of multi-vehicle incidents during the period.	
Previous	Current	Previous	Current	Previous	Current
March	April	March	April	March	April
5,255	4,522	4	8	170	163

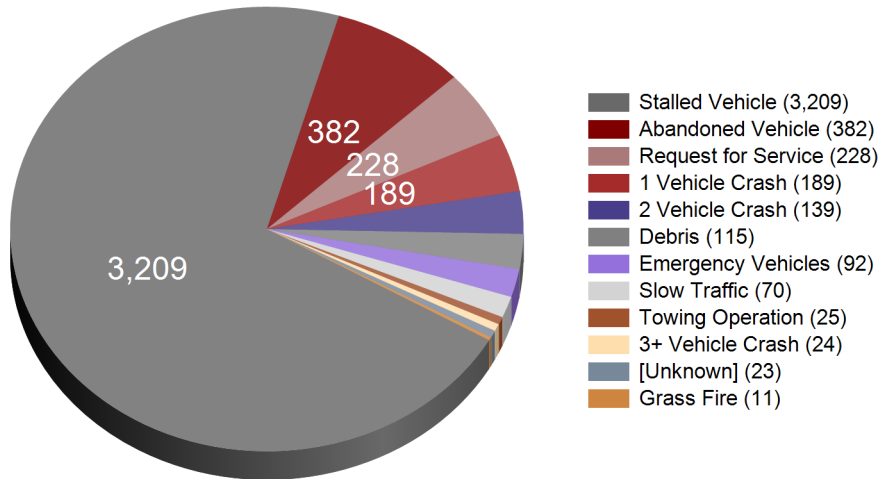
<b>LANE BLOCKAGE INCIDENTS</b> The total number of incidents which resulted in at least one blocked lane of travel.*		<b>AVERAGE CLEARANCE TIME</b> The average time for all lanes to be cleared after a crash.		<b>TOTAL HIGHWAY HELPER RESPONSES</b> The total number of incidents Highway Helper responded to during the period.	
Previous	Current	Previous	Current	Previous	Current
March	April	March	April	March	April
282	281	1 hr 1 m	1 hr 5 m	1,740	1,493

\* - excludes roadwork

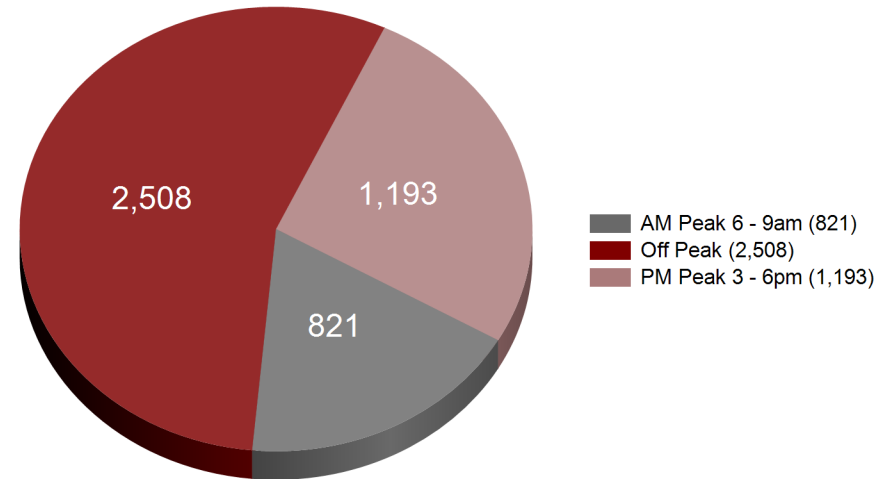
\*\* - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

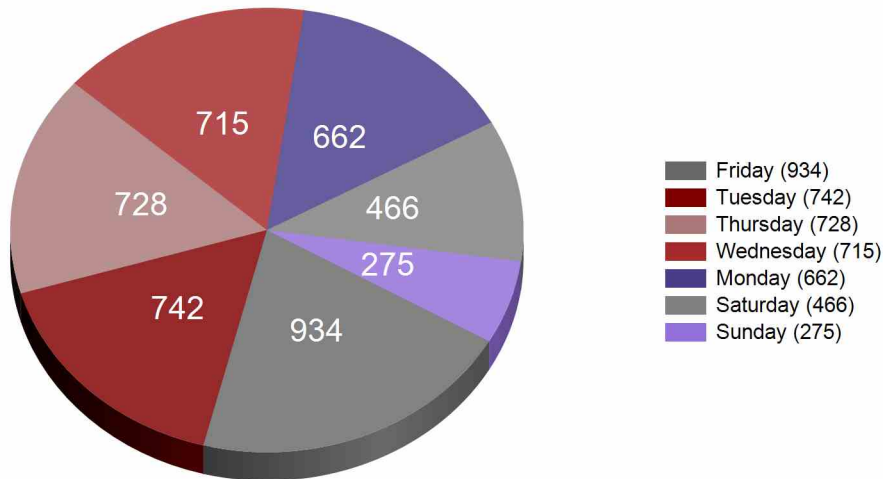
Incidents By Type



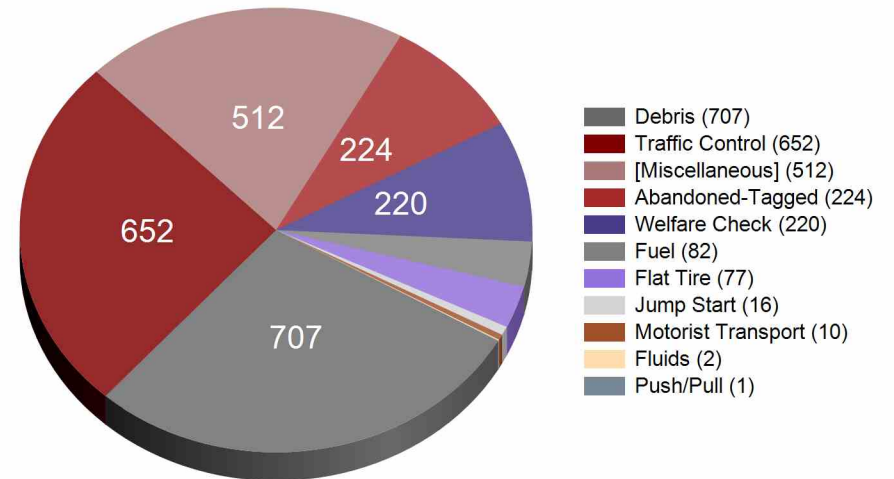
Incidents By Shift



Incidents By Day



Highway Helper Response

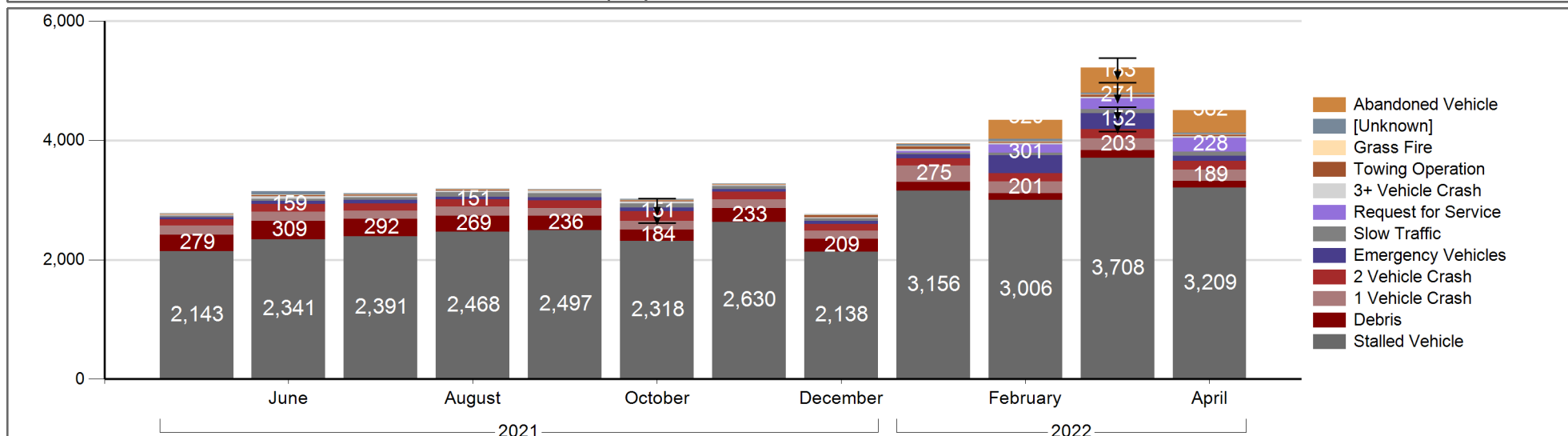


### INCIDENT TOTALS BY TYPE

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	3,209	71%	28 min		1,454	141	48	382	60	1,124
Abandoned Vehicle	382	8%	14 min		182	4	4	41	5	146
Request for Service	228	5%	17 min		74	33	43	19	11	48
1 Vehicle Crash	189	4%	59 min		67	6	15	29	18	54
2 Vehicle Crash	139	3%	1 hr		69	3	6	20	7	34
Debris	115	3%	19 min		46	2	4	13	3	47
Emergency Vehicles	92	2%	1 hr 11 m		40	0	3	8	5	36
Slow Traffic	70	2%			50	0	0	3	0	17
Towing Operation	25	0.55%	3 hr 6 m		5	0	0	10	3	7
3+ Vehicle Crash	24	0.53%	2 hr 9 m		15	0	2	1	2	4
[Unknown]	23	0.51%	27 min		5	0	0	15	0	3
Grass Fire	11	0.24%	26 min		2	0	0	4	2	3
Total	4,507	100%	59 min		2,009	189	125	545	116	1,523

\* - Totals include Highway Helper Incidents

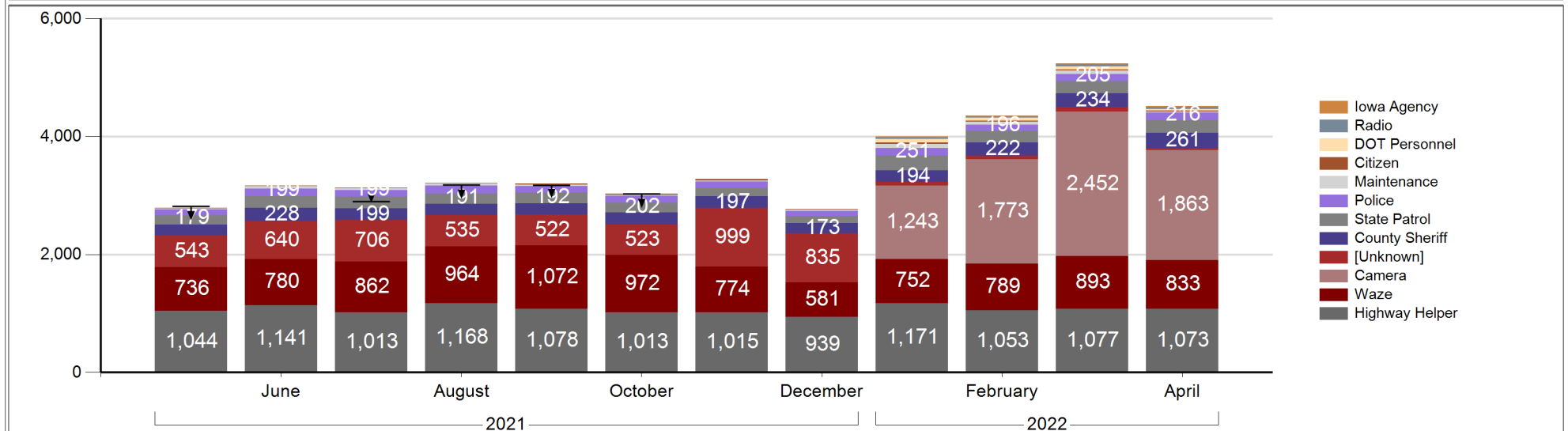


### INCIDENT TOTALS BY DETECTION TYPE

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*
Camera	1,863	41%		942	120	30	156	33	582
Highway Helper	1,073	24%		371	0	0	181	7	514
Waze	833	18%		404	23	25	104	33	244
County Sheriff	261	6%		64	27	41	34	14	81
State Patrol	216	5%		95	13	14	31	23	40
Police	126	3%		75	3	15	4	1	28
Other	43	0.95%		19	2	0	10	0	12
Radio	40	0.88%		17	1	1	8	3	10
DOT Personnel	24	0.53%		8	1	0	9	0	6
Maintenance	18	0.40%		8	0	0	1	1	8
Citizen	15	0.33%		9	0	0	3	0	3
Iowa Agency	10	0.22%		3	0	0	5	2	0
Total	4,522	100%		2,015	190	126	546	117	1,528

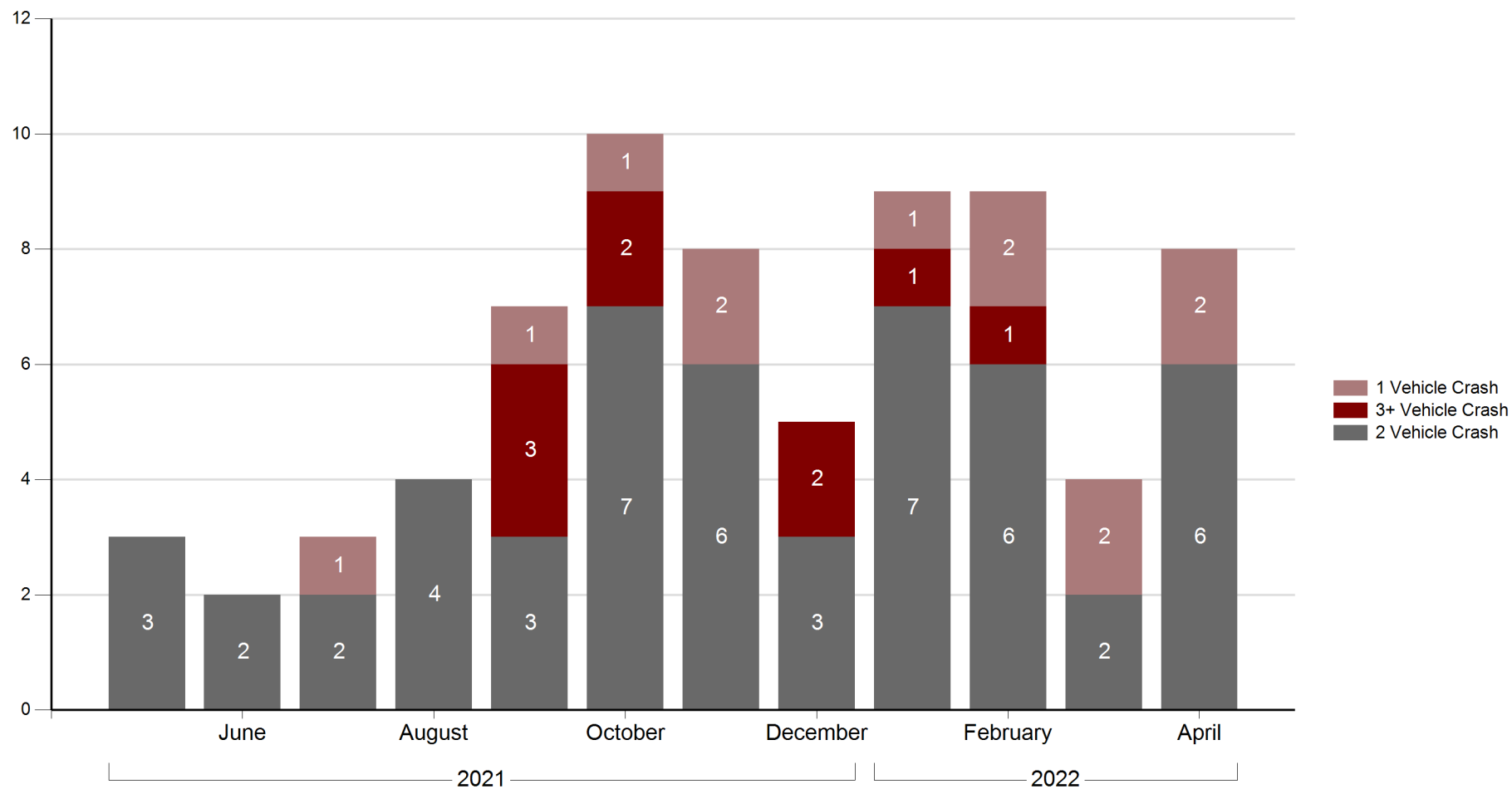
\* - Totals include Highway Helper Incidents



### SECONDARY INCIDENTS BY TYPE

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

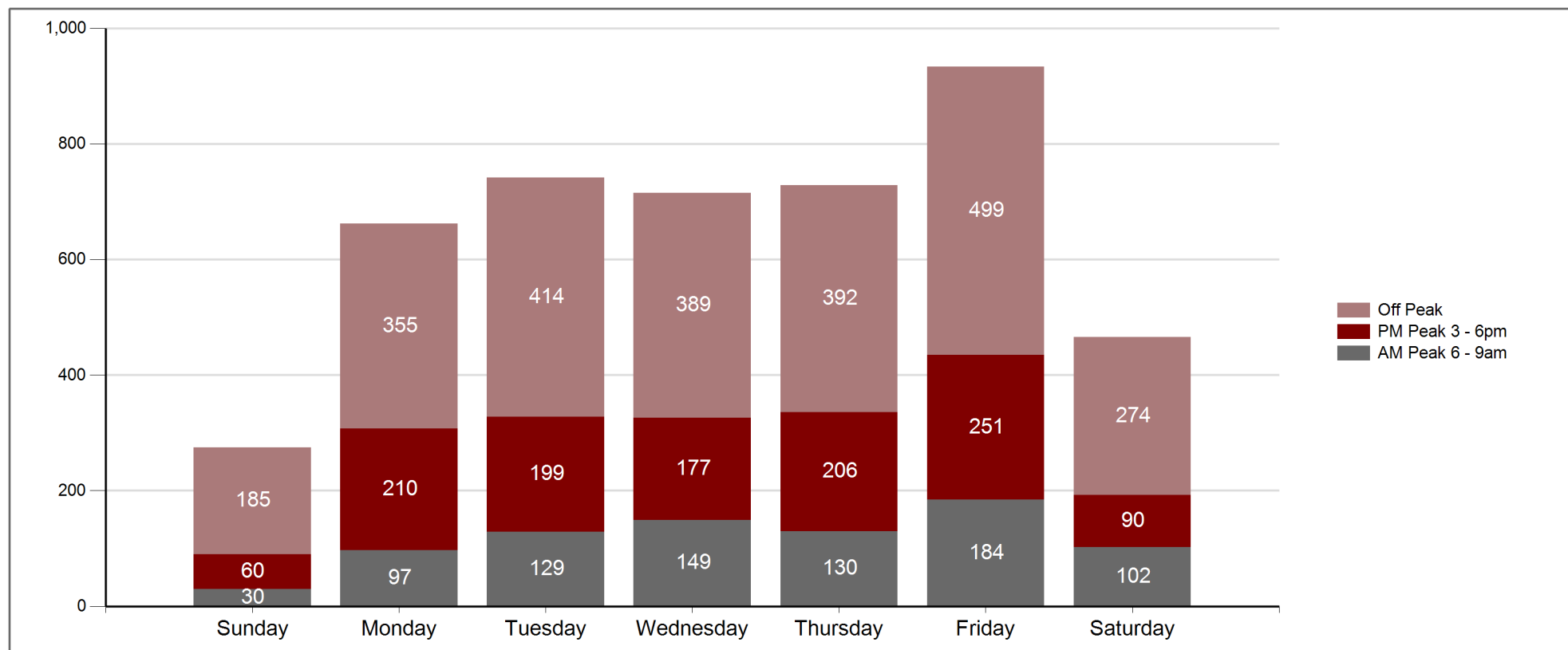
Type	Total	%	Avg Impact		District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	6	75%	44 min		3	0	0	3	0	0
1 Vehicle Crash	2	25%	7 min		0	0	0	0	2	0
Total	8	100%	35 min		3	0	0	3	2	0



### 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.

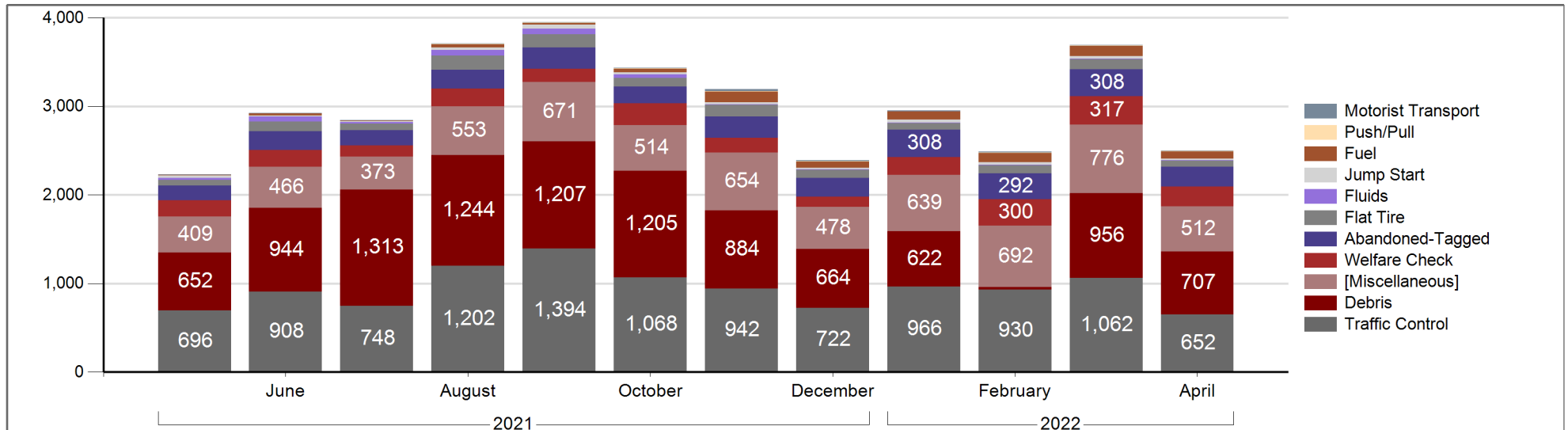
Weekday	Total	%	Avg Impact		District 1	District 2	District 3	District 4	District 5	District 6
Friday	934	21%	37 min		403	31	24	106	22	348
Tuesday	742	16%	1 hr 8 m		330	37	21	86	18	250
Thursday	728	16%	59 min		319	33	22	73	20	261
Wednesday	715	16%	1 hr 5 m		310	36	15	93	14	247
Monday	662	15%	52 min		281	24	20	83	15	239
Saturday	466	10%	1 hr 33 m		239	17	14	73	17	106
Sunday	275	6%	57 min		133	12	10	32	11	77
Total	4,522	100%	37 min		2,015	190	126	546	117	1,528



### 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	707	28%	25 min		162	151	102	203
Traffic Control	652	26%	28 min		270	54	116	44
[Miscellaneous]	512	20%	31 min		200	45	109	49
Abandoned-Tagged	224	9%	8 min		90	22	36	32
Welfare Check	220	9%	5 min		86	17	46	32
Fuel	82	3%	6 min		42	8	12	2
Flat Tire	77	3%			29	10	18	4
Jump Start	16	0.64%			10	0	2	2
Motorist Transport	10	0.40%	7 min		3	1	3	0
Fluids	2	0.08%	3 min		1	0	0	0
Push/Pull	1	0.04%			0	0	0	0
<b>Total</b>	<b>2,503</b>	<b>100%</b>	<b>25 min</b>		<b>893</b>	<b>308</b>	<b>444</b>	<b>368</b>

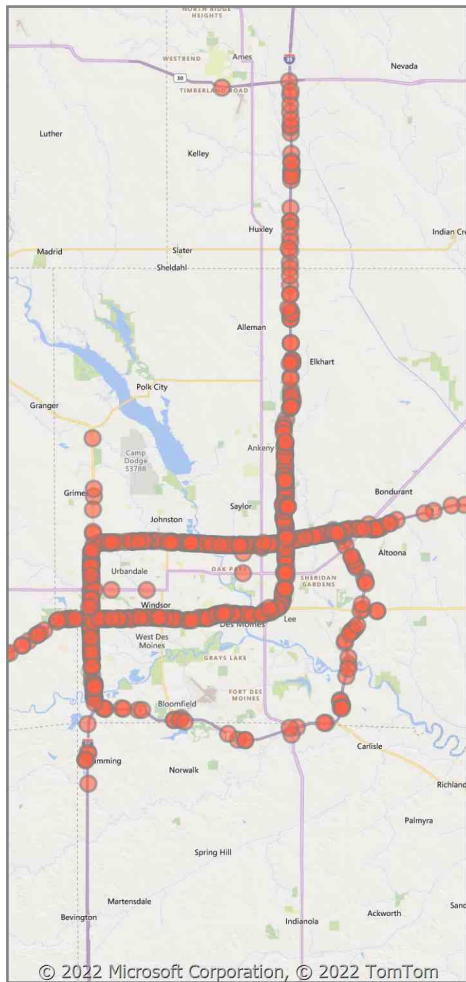




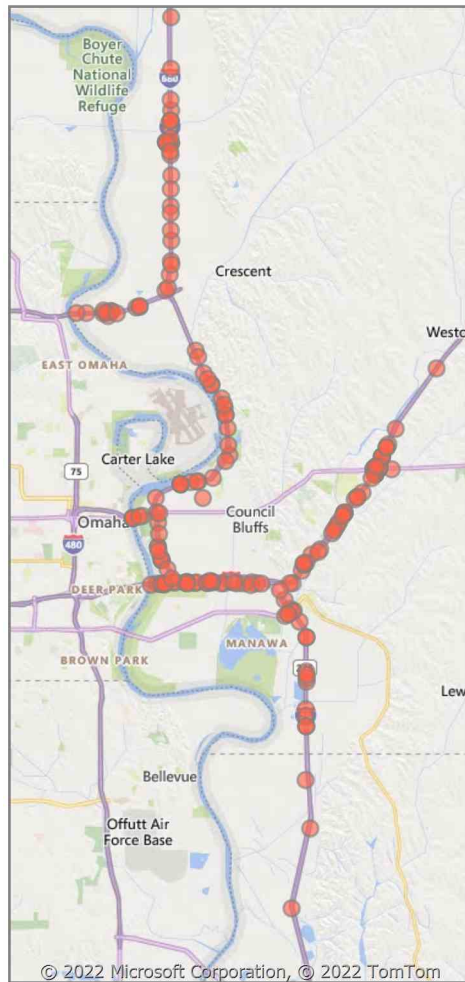
## HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

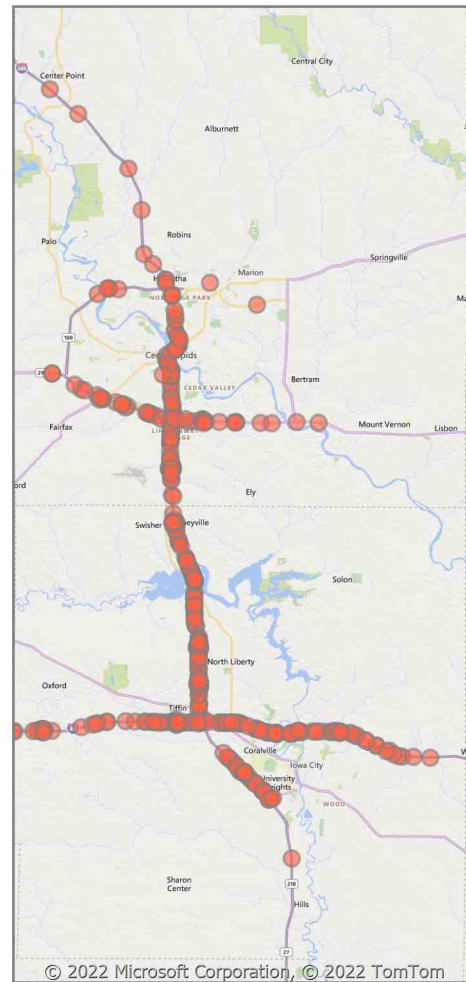
### DES MOINES



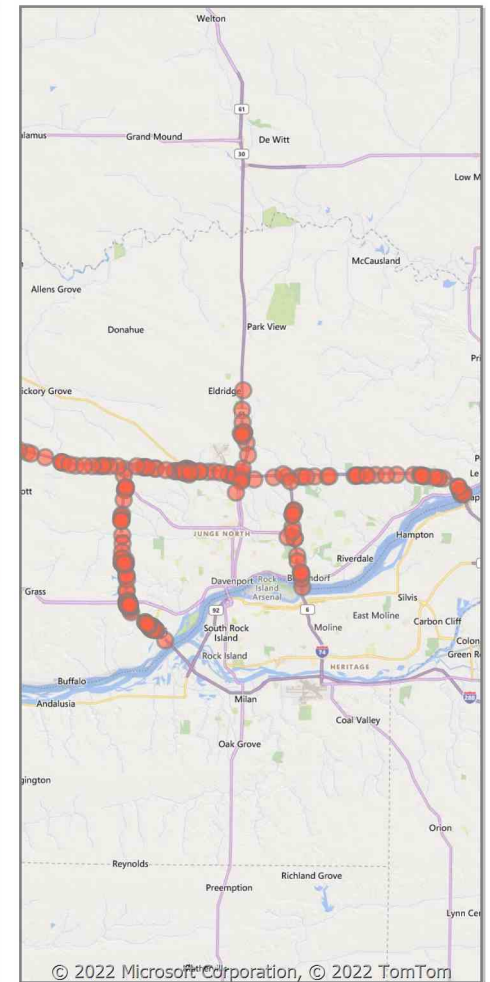
### COUNCIL BLUFFS



### CEDAR RAPIDS / IOWA CITY



### DAVENPORT



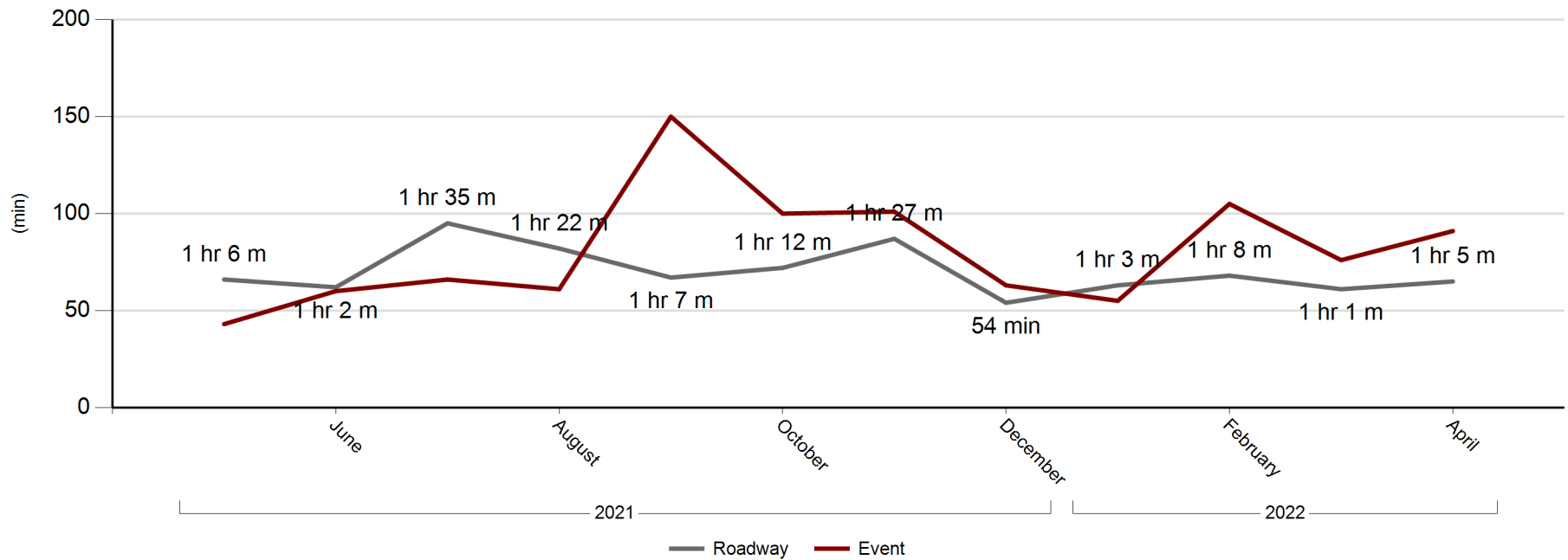


### INCIDENT CLEARANCE TIMES (CRASHES ONLY)

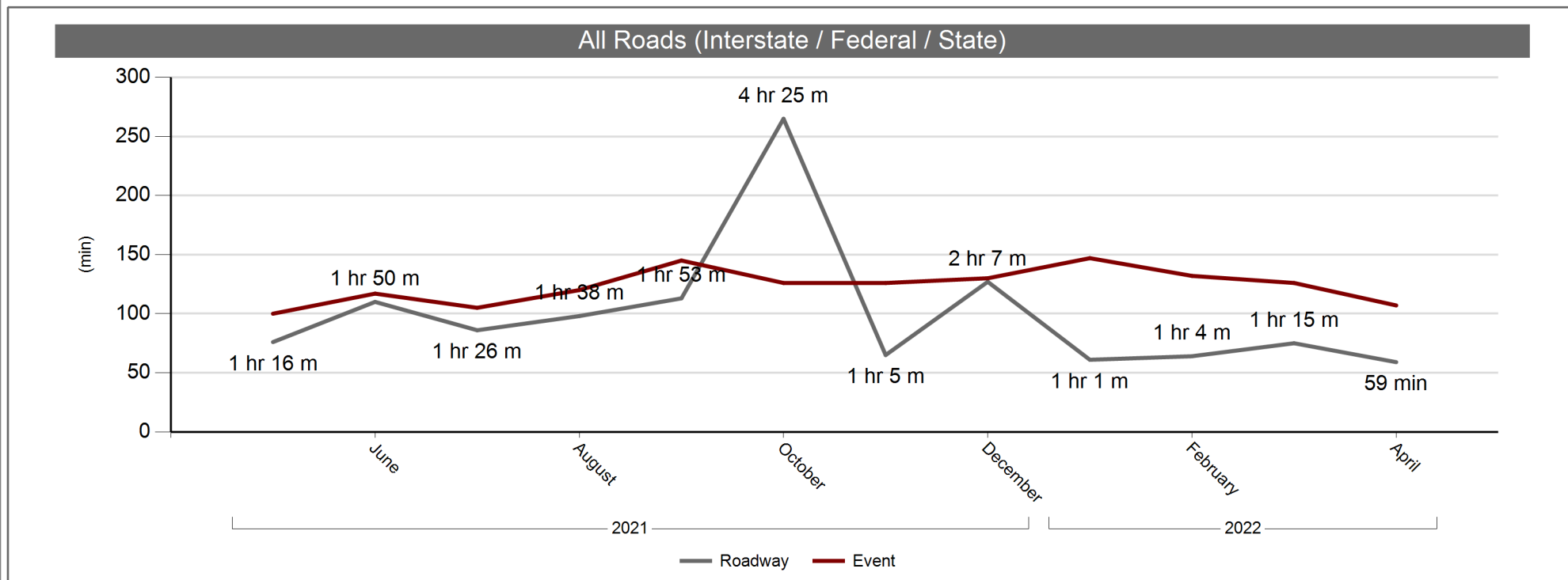
Event : All Responders Departed / Roadway : All Lanes Re-Opened

	Type	Total		District 1	District 2	District 3	District 4	District 5	District 6
Event	All	<b>1 hr 31 m</b>		1 hr 14 m	2 hr 35 m	2 hr 32 m	3 hr 57 m	1 hr 25 m	44 min
	Federal	1 hr 7 m		27 min	2 hr 35 m	2 hr 28 m	59 min	1 hr 44 m	1 hr 6 m
	Interstate	1 hr 42 m		1 hr 32 m			4 hr 42 m	57 min	41 min
	State	1 hr 15 m		55 min		2 hr 35 m	1 hr 1 m	2 hr 58 m	29 min
Roadway	All	<b>1 hr 5 m</b>		35 min	1 hr 11 m	2 hr 55 m	1 hr 17 m	1 hr 39 m	47 min
	Federal	1 hr 42 m		38 min	14 min	4 hr 51 m	1 hr 21 m	2 hr 34 m	1 hr 30 m
	Interstate	49 min		28 min	52 min	1 hr 31 m	1 hr 19 m	1 hr 11 m	37 min
	State	1 hr 7 m		53 min	3 hr 25 m	1 hr 49 m	55 min	1 hr 44 m	19 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 47 m		1 hr 15 m	2 hr 35 m	1 hr 53 m	2 hr 26 m	1 hr 16 m	2 hr 20 m
	Federal	1 hr 5 m		48 min	2 hr 35 m	1 hr 57 m	59 min	1 hr 44 m	1 hr 10 m
	Interstate	1 hr 54 m		1 hr 33 m			2 hr 38 m	50 min	2 hr 8 m
	State	2 hr 14 m		50 min		1 hr 49 m	1 hr 1 m	2 hr 58 m	8 hr 21 m
Roadway	All	59 min		37 min	55 min	2 hr 15 m	1 hr 30 m	2 hr 1 m	40 min
	Federal	1 hr 15 m		38 min	14 min	3 hr 42 m	53 min	2 hr 34 m	1 hr 10 m
	Interstate	52 min		31 min	52 min	59 min	1 hr 37 m	1 hr 52 m	35 min
	State	1 hr 3 m		54 min	1 hr 24 m	1 hr 46 m	55 min	1 hr 44 m	18 min



### INCIDENTS (CLEARANCE TIME DEVIATION)

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
1 Vehicle Crash (Avg Impact : 59 min)								
	04/04 11:27 AM	<a href="#">202545</a>	I-29			1	3 hr 44 m	Initial report of a single vehicle crash on I-29 NB at MM 142 in Sergeant Bluff.
	04/12 08:23 AM	<a href="#">203812</a>	US-20		1	1	3 hr 13 m	Initial report of a single vehicle crash on US-20 WB at MM 4 (near Sioux City).
	04/16 10:16 PM	<a href="#">204627</a>	I-29		1		2 hr 32 m	Initial report of a single vehicle crash on I-29 SB at MM 71 (near Missouri Valley).
	04/23 07:06 PM	<a href="#">205696</a>	I-29			1	5 hr 26 m	Initial report of a single vehicle crash on I-29 NB at MM 62 (near Crescent).
	04/14 04:01 PM	<a href="#">204266</a>	IA-17		1	1	3 hr 25 m	Initial report of a single vehicle crash on IA-17 NB at MM 84 in Renwick.
	04/18 09:16 PM	<a href="#">204859</a>	US-34		1		2 hr 37 m	Initial report of a single vehicle crash on US-34 WB at MM 253 (near Danville).
	04/23 02:03 PM	<a href="#">205672</a>	US-20			1	2 hr 13 m	Initial report of a single vehicle crash on US-20 WB at MM 86 (near Lytton).
	04/29 08:34 PM	<a href="#">206647</a>	IA-376		1		2 hr 10 m	Initial report of a single vehicle crash on IA-376 NB at MM 95 in Sioux City.
2 Vehicle Crash (Avg Impact : 1 hr)								
	04/23 07:33 PM	<a href="#">205699</a>	I-35			1	2 hr 59 m	Initial report of a 2 vehicle crash on I-35 SB at MM 61 (near Cumming).
	04/18 10:52 AM	<a href="#">204754</a>	IA-39	1	2		2 hr 19 m	Initial report of a 2 vehicle crash on IA-39 SB at MM 23 (near Odebolt).
	04/20 03:28 PM	<a href="#">205154</a>	US-218	1	1		3 hr 19 m	Initial report of a 2 vehicle crash on US-218 NB at MM 21 (near Donnellson).
	04/21 09:00 PM	<a href="#">205400</a>	US-18		1	1	3 hr 56 m	Initial report of a 2 vehicle crash on US-18 at MM 100 (near Emmetsburg).
	04/28 11:51 AM	<a href="#">206359</a>	I-80		1	2	4 hr 4 m	Initial report of a vehicle fire on I-80 WB at MM 38 (near Avoca).
	04/24 03:46 PM	<a href="#">205754</a>	IA-5	1			3 hr 44 m	Initial report of a 2 vehicle crash on IA-5 SB at MM 79 (near Swan).
	04/26 06:46 PM	<a href="#">206104</a>	US-61				5 hr 11 m	Initial report of a 2 vehicle crash on US-61 SB at MM 184 in Dubuque.
	04/30 08:23 AM	<a href="#">206679</a>	I-880				3 hr 5 m	Initial report of a 2 vehicle crash on I-880 WB at MM 5 (near Missouri Valley).
3+ Vehicle Crash (Avg Impact : 2 hr 9 m)								
	04/27 10:48 AM	<a href="#">206195</a>	US-18		1		17 hr 4 m	Initial report of a 3+ vehicle crash on US-18 EB/WB at MM 25 (near Hull).
Emergency Vehicles (Avg Impact : 1 hr 11 m)								
	04/23 12:38 PM	<a href="#">205664</a>	IA-175				4 hr 4 m	Initial report of an emergency vehicles event on IA-175 EB at MM 87 in Auburn.
	04/24 11:11 AM	<a href="#">205742</a>	US-52				3 hr 16 m	Initial report of an emergency vehicles event on US-52 NB at MM 2 in Sabula.
Towing Operation (Avg Impact : 3 hr 6 m)								
	04/23 01:55 PM	<a href="#">205671</a>	I-80			1	12 hr 22 m	Initial report of a single vehicle crash on I-80 EB at MM 91 (near Stuart).