



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

April 2023

This report contains statistical and operational data for TMC activities from the period of April 01, 2023 to April 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
March	April	March	April	March	April
4,221	4,113	4	1	144	152

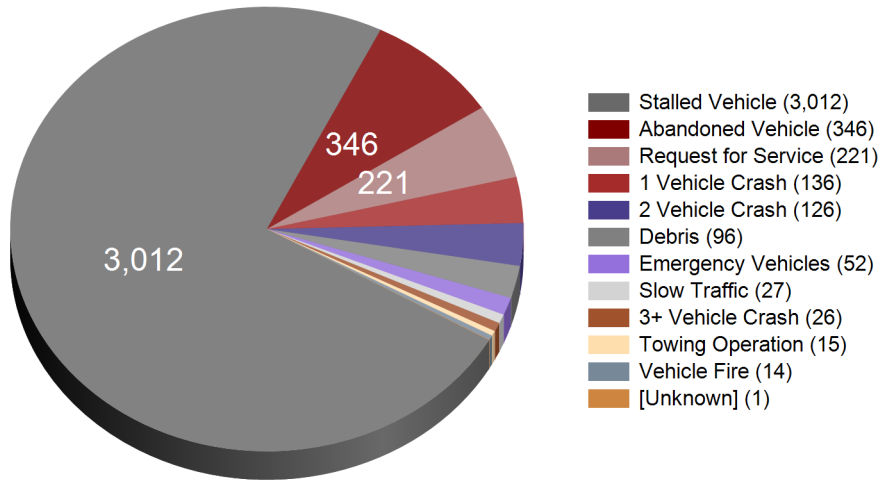
LANE BLOCKAGE INCIDENTS		AVERAGE CLEARANCE TIME		TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents which resulted in at least one blocked lane of travel.*		The average time for all lanes to be cleared after a crash.		The total number of incidents Highway Helper responded to during the period.	
Previous	Current	Previous	Current	Previous	Current
March	April	March	April	March	April
249	261	1 hr 23 m	1 hr 40 m	1,415	1,274

* - excludes roadwork

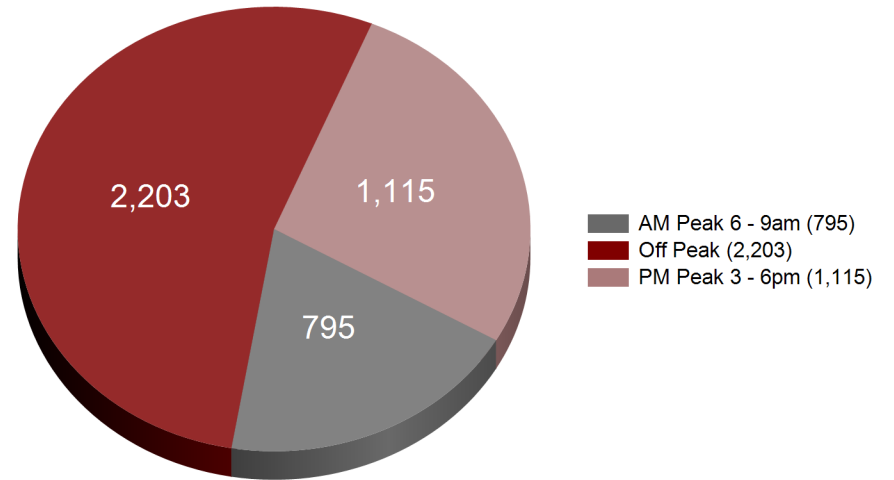
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

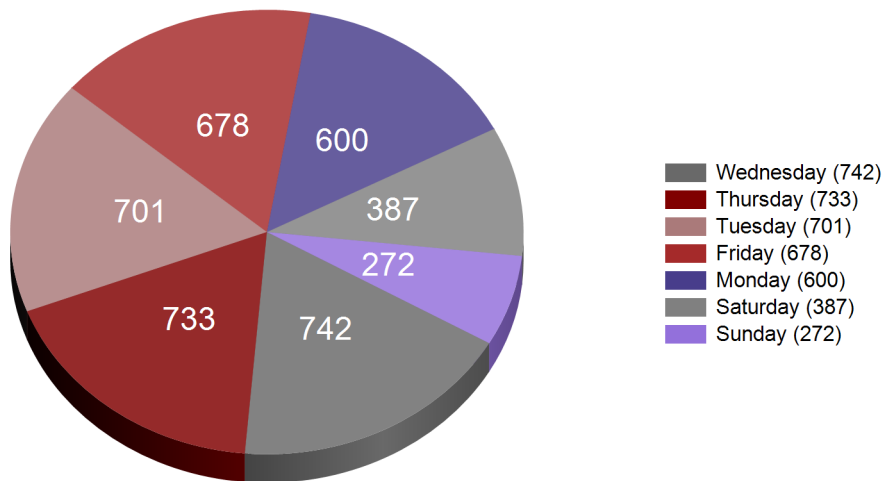
Incidents By Type



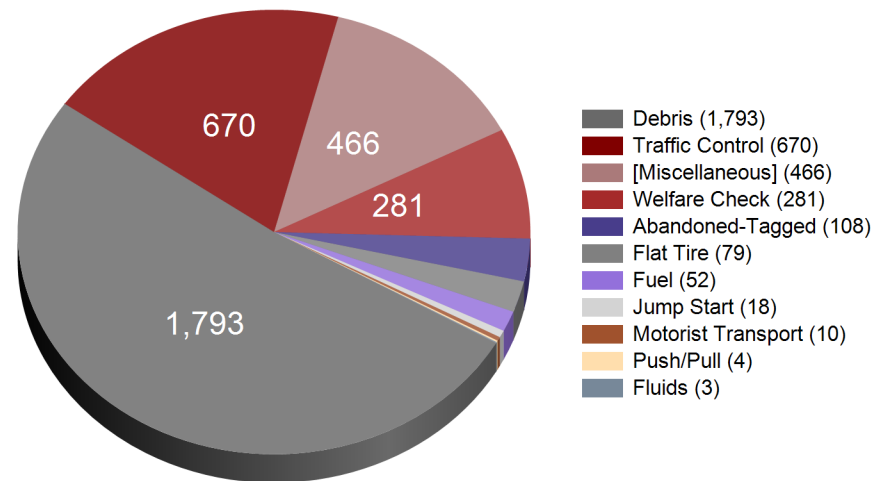
Incidents By Shift



Incidents By Day



Highway Helper Response

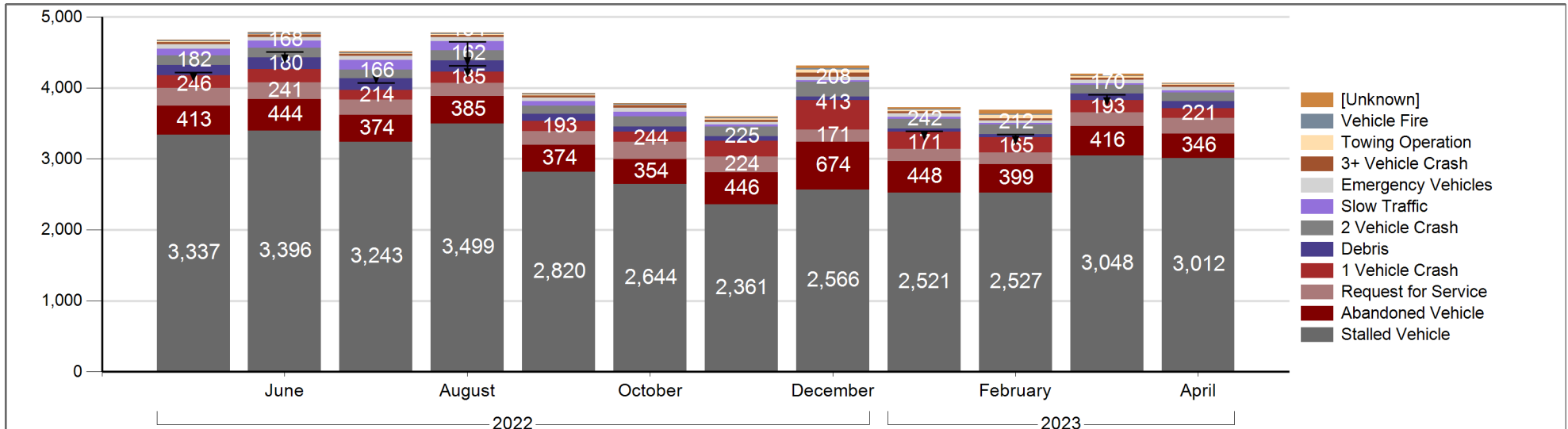


INCIDENT TOTALS BY TYPE

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	3,012	73%	37 min	1,420	136	59	317	55	1,025
Abandoned Vehicle	346	8%	13 min	177	9	10	43	11	96
Request for Service	221	5%	5 min	67	31	36	22	23	42
1 Vehicle Crash	136	3%	3 hr 11 m	47	10	8	27	10	34
2 Vehicle Crash	126	3%	53 min	69	4	2	10	8	33
Debris	96	2%	17 min	44	3	2	6	1	40
Emergency Vehicles	52	1%	35 min	25	0	2	7	2	16
Slow Traffic	27	0.66%		15	0	1	3	0	8
3+ Vehicle Crash	26	0.63%	34 min	15	1	0	4	1	5
Towing Operation	15	0.36%	4 hr 5 m	4	0	0	6	1	4
Vehicle Fire	14	0.34%	25 min	7	0	1	3	1	2
Earlier Crash	10	0.24%		3	0	1	1	0	5
Total	4,081	100%	5 hr 38 m	1,893	194	122	449	113	1,310

* - Totals include Highway Helper Incidents

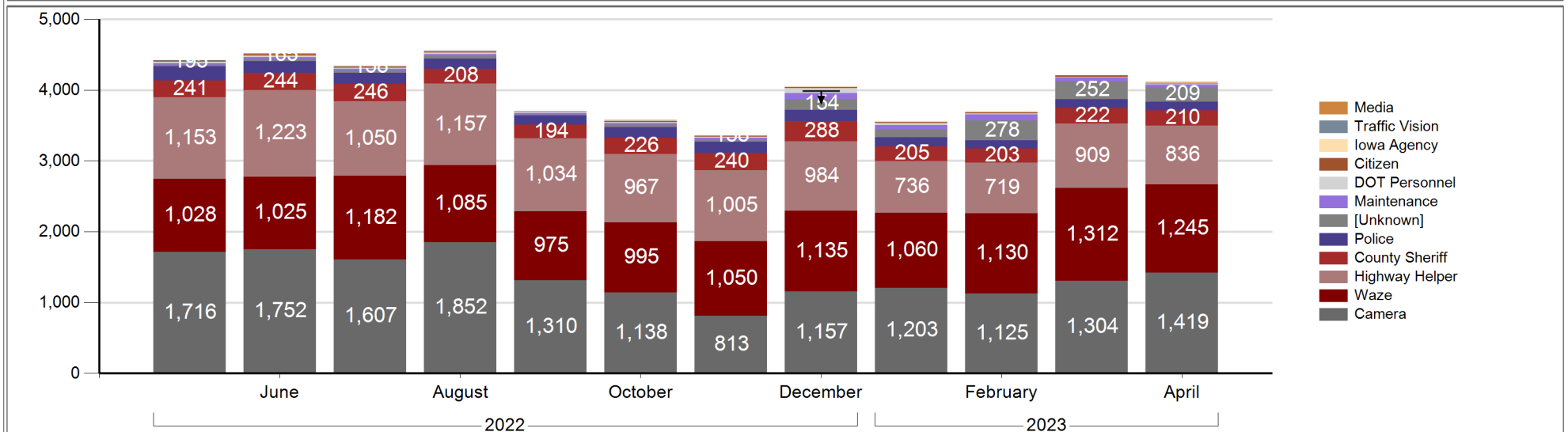


INCIDENT TOTALS BY DETECTION TYPE

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	1,419	35%	686	92	29	141	17	454
Waze	1,245	30%	629	53	40	114	44	365
Highway Helper	836	20%	354	0	0	123	4	355
County Sheriff	210	5%	56	36	34	24	15	45
Other	209	5%	67	6	8	44	28	56
Police	125	3%	80	6	13	2	1	23
Maintenance	37	0.90%	11	6	0	2	4	14
DOT Personnel	14	0.34%	7	0	0	0	2	5
Citizen	10	0.24%	5	0	1	1	1	2
Iowa Agency	5	0.12%	3	0	0	2	0	0
Media	2	0.05%	1	0	0	0	1	0
Traffic Vision	1	0.02%	1	0	0	0	0	0
Total	4,113	100%	1,900	199	125	453	117	1,319

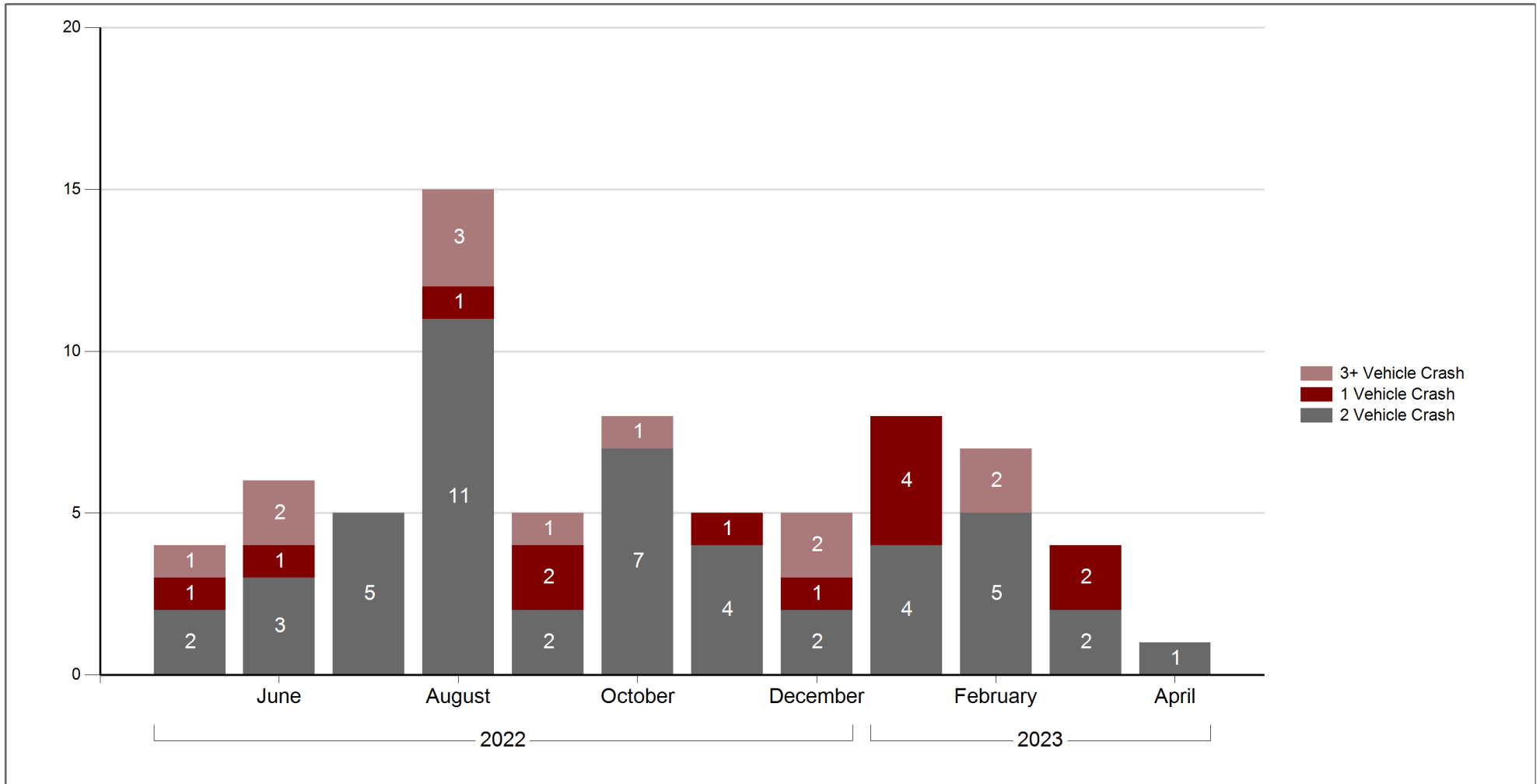
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

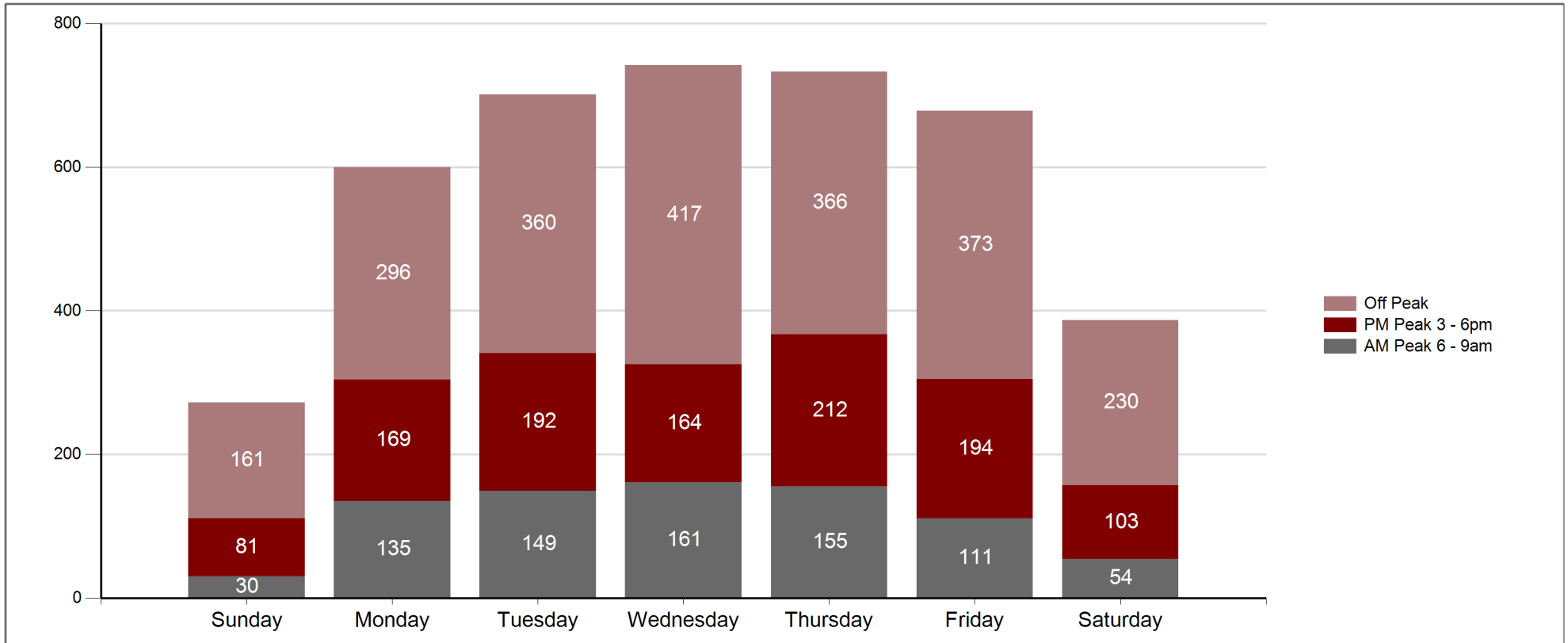
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	1	100%	3 min	0	0	0	0	0	1
Total	1	100%	3 min	0	0	0	0	0	1



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.

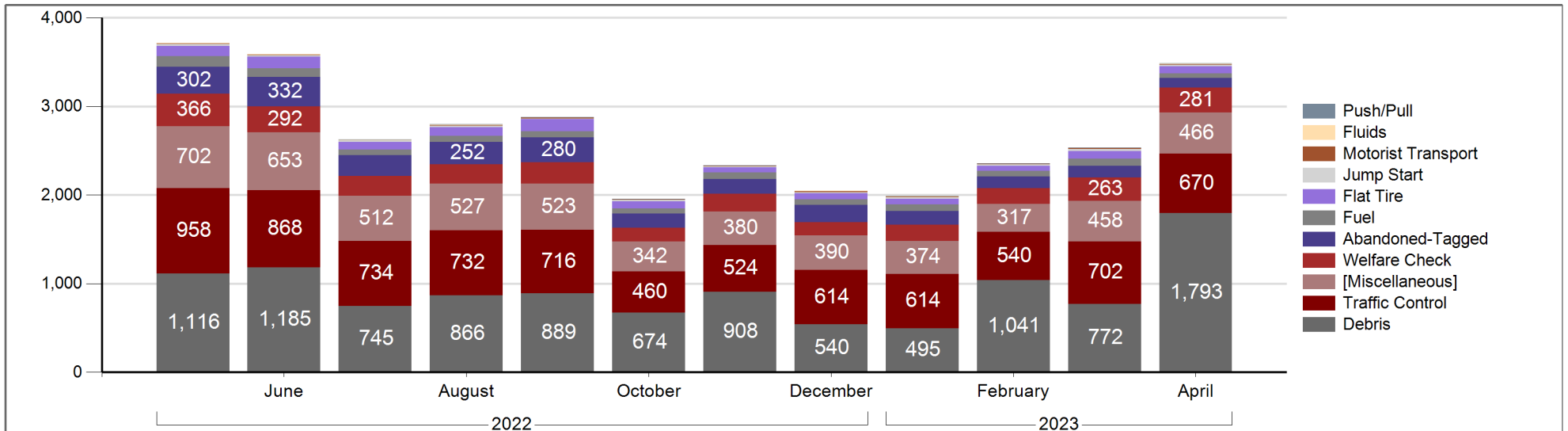
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Wednesday	742	18%	1 hr 18 m	321	32	25	93	24	247
Thursday	733	18%	45 min	370	32	11	65	13	242
Tuesday	701	17%	9 hr 27 m	327	42	21	69	13	229
Friday	678	16%	18 hr 22 m	288	35	21	87	21	226
Monday	600	15%	1 hr 28 m	281	26	21	68	22	182
Saturday	387	9%	4 hr 39 m	180	16	17	41	14	119
Sunday	272	7%	51 min	133	16	9	30	10	74
Total	4,113	100%	1 hr 18 m	1,900	199	125	453	117	1,319



HIGHWAY HELPER RESPONSES

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

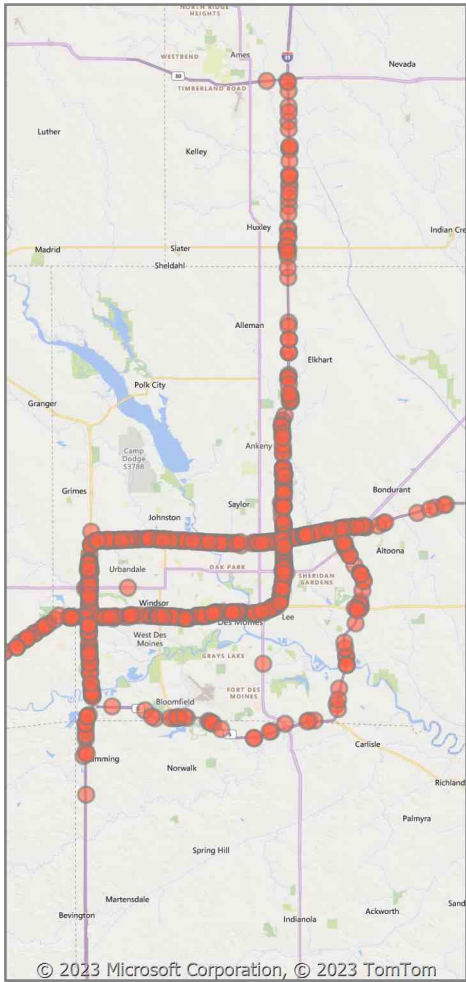
Type	Total	%	Avg Impact	Des Moines	Council Bluffs	Cedar Rapids / Iowa City	Davenport
Debris	1,793	51%	37 min	667	300	296	530
Traffic Control	670	19%	42 min	240	76	128	90
[Miscellaneous]	466	13%	42 min	181	55	92	56
Welfare Check	281	8%	33 min	98	45	55	38
Abandoned-Tagged	108	3%		58	10	24	4
Flat Tire	79	2%	48 min	42	10	14	4
Fuel	52	1%	8 min	24	8	12	2
Jump Start	18	0.52%		12	0	2	4
Motorist Transport	10	0.29%		3	0	3	0
Push/Pull	4	0.11%	1 hr 35 m	1	0	0	1
Fluids	3	0.09%		3	0	0	0
Total	3,484	100%	40 min	1,329	504	626	729



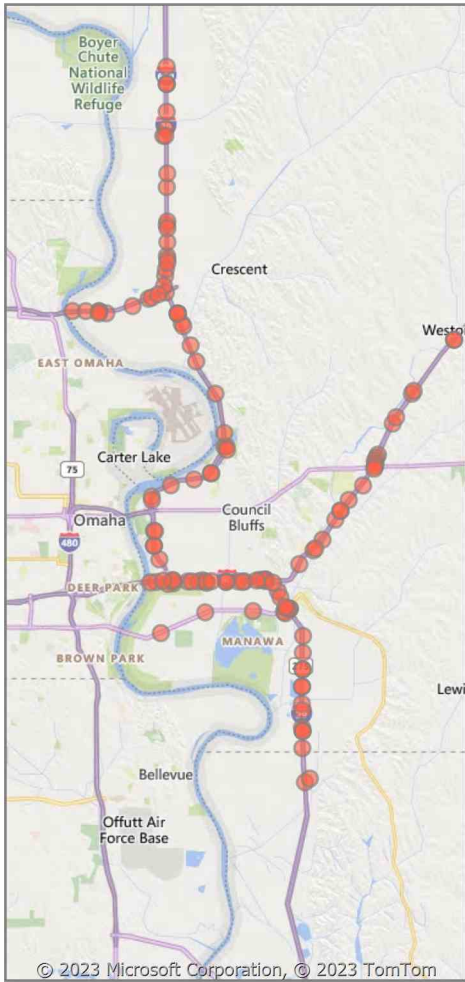
HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

DES MOINES



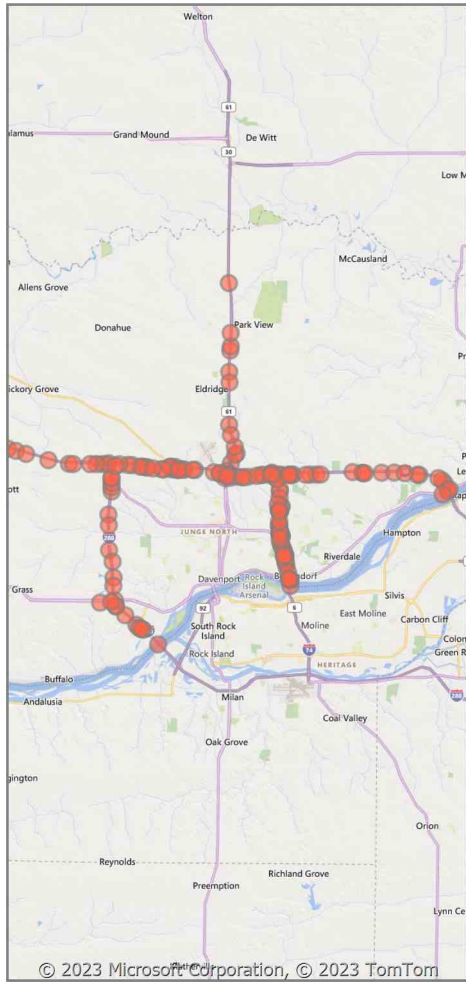
COUNCIL BLUFFS



CEDAR RAPIDS / IOWA CITY



DAVENPORT

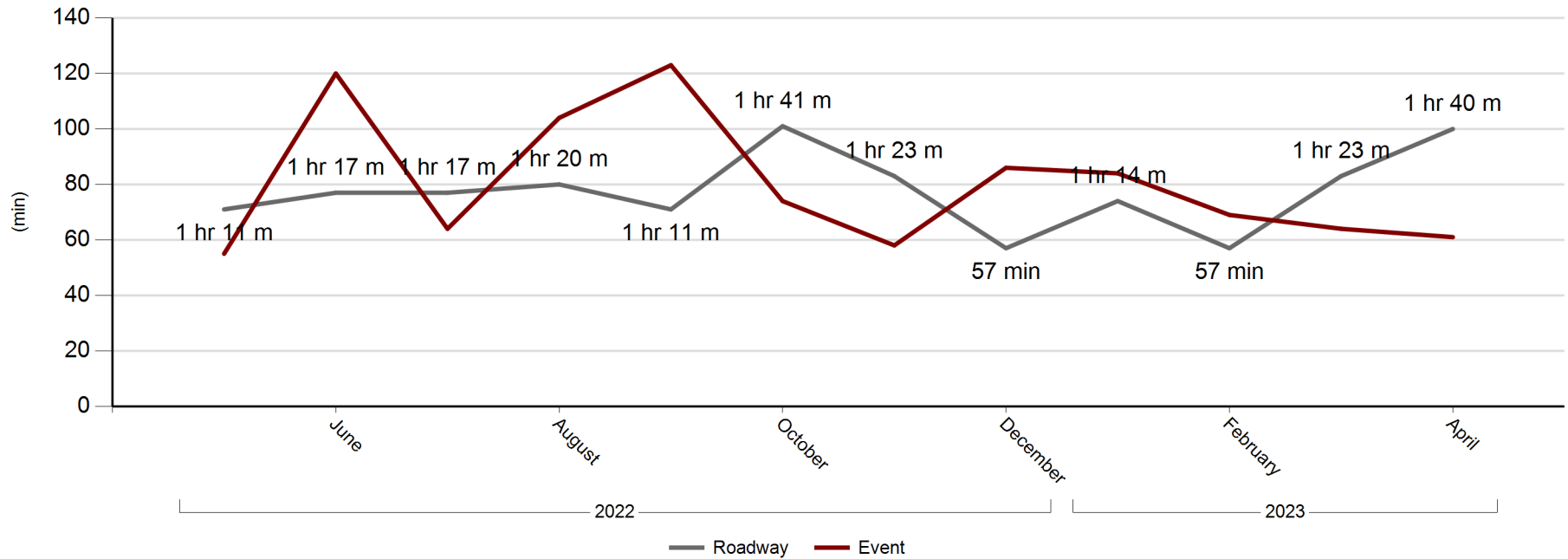


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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 1 m	57 min	1 hr 38 m	31 min	37 min	1 hr 31 m	1 hr 17 m
	Federal	47 min	41 min		28 min	24 min	1 hr 44 m	1 hr 7 m
	Interstate	56 min	54 min		35 min	43 min	1 hr 18 m	1 hr 6 m
	State	1 hr 48 m	1 hr 41 m	1 hr 38 m				1 hr 57 m
Roadway	All	1 hr 40 m	1 hr	11 hr 44 m	1 hr 2 m	37 min	1 hr 40 m	1 hr 11 m
	Federal	55 min	49 min	10 min	1 hr 36 m	47 min	24 min	1 hr 29 m
	Interstate	56 min	1 hr 3 m		35 min	28 min	31 min	1 hr 2 m
	State	4 hr 46 m	1 hr 5 m	20 hr 25 m	21 min	1 hr 16 m	3 hr 17 m	1 hr 20 m

All Roads (Interstate / Federal / State)

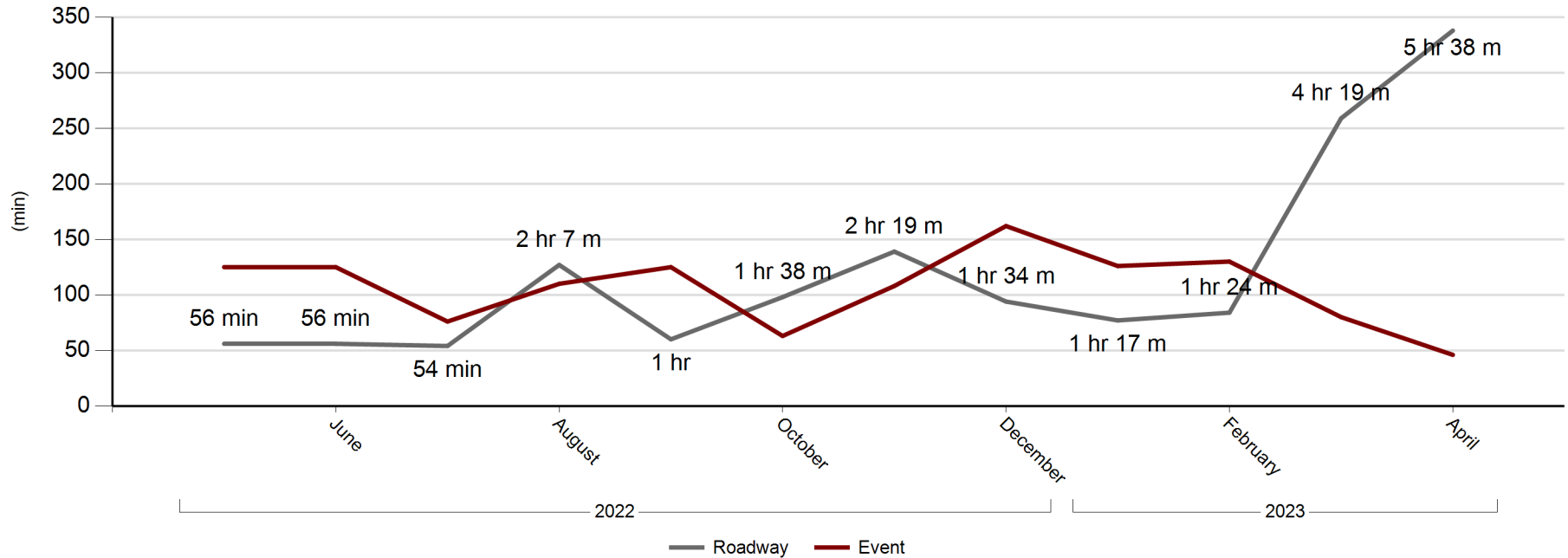


INCIDENT CLEARANCE TIMES (ALL TYPES)

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	46 min	45 min	1 hr 38 m	32 min	46 min	52 min	48 min
	Federal	45 min	40 min		28 min	49 min	1 hr 44 m	44 min
	Interstate	42 min	43 min		34 min	45 min	35 min	41 min
	State	1 hr 17 m	1 hr 10 m	1 hr 38 m				1 hr 21 m
Roadway	All	5 hr 38 m	1 hr 3 m	1 day 6 hr	1 hr 5 m	45 min	1 day 3 hr	7 hr 27 m
	Federal	9 hr 29 m	1 hr 44 m	10 min	1 hr 39 m	54 min	24 min	1 day 7 hr
	Interstate	51 min	50 min	20 min	33 min	38 min	55 min	1 hr
	State	16 hr 13 m	56 min	1 day 18 hours	1 hr 3 m	1 hr 43 m	2 days	52 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 : 3 hr 11 m)								
	04/28 01:56 PM	259172	IA-9			1	2 days	Single vehicle crash event on IA-9 E @ MM 105 in Armstrong.
2 Vehicle Crash (Avg Impact : 53 min)								
	04/03 03:31 AM	255259	I-80		2	2	4 hr 17 m	2 vehicle crash event on I-80 W @ MM 251 (near West Branch).
	04/05 09:47 PM	255787	IA-210	1	1		3 hr 50 m	2 vehicle crash event on IA-210 E @ MM 26.2 (near Maxwell).
	04/12 07:10 AM	256628	US-20			2	2 hr 46 m	2 vehicle crash event on US-20 W @ MM 131.5 (near Duncombe).
	04/29 05:36 AM	259270	IA-149			2	5 hr 47 m	2 vehicle crash event on IA-149 N @ MM 6 (near Ottumwa).
	04/17 06:15 PM	257483	US-151		1		3 hr 17 m	2 vehicle crash event on US-151 N @ MM 88.4 (near Bernard).
	04/27 02:26 PM	258999	IA-14		3		2 hr 37 m	2 vehicle crash event on IA-14 N @ MM 102.6 in Marshalltown.
Debris (Avg Impact : 17 min)								
	04/29 08:41 AM	259274	IA-141				2 hr 10 m	Debris event on IA-141 W @ MM 137 (near Woodward).
Flooding (Avg Impact : 8 days)								
	04/21 10:16 AM	258136	US-67				17 days	Flooding event on US-67 S @ MM 1 (near Davenport).
Stalled Vehicle (Avg Impact : 37 min)								
	04/03 10:08 AM	255303	IA-10				2 hr 24 m	Stalled vehicle event on IA-10 E @ MM 29.7 (near Alton).
	04/11 11:11 AM	256463	US-65			1	2 hr 9 m	Stalled vehicle event on US-65 S @ MM 82.5 (near Altoona).
	04/19 05:55 AM	257753	US-275			1	2 hr 47 m	Stalled vehicle event on US-275 N @ MM 51.9 in Council Bluffs.
Towing Operation (Avg Impact : 4 hr 5 m)								
	04/24 09:10 AM	258402	I-380			1	7 hr 39 m	Towing operation event on I-380 N @ MM 11.3 (near Shueyville).