

TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

September 2024

This report contains statistical and operational data for TMC activities from the period of September 01, 2024 to September 30, 2024.

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
4,409	3,804	12	5	188	182

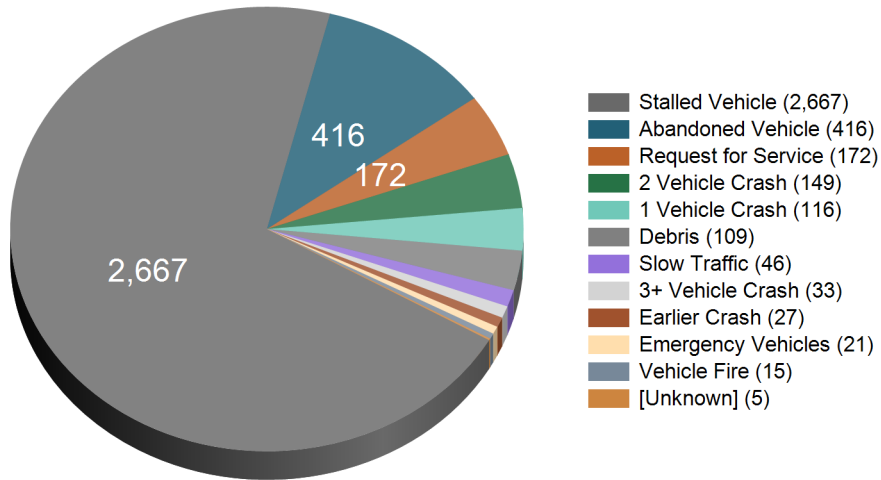
LANE BLOCKAGE INCIDENTS		AVERAGE CLEARANCE TIME		TOTAL HIGHWAY HELPER RESPONSES	
The total number of incidents which resulted in at least one blocked lane of travel.*		The average time for all lanes to be cleared after a crash.		The total number of incidents Highway Helper responded to during the period.	
Previous	Current	Previous	Current	Previous	Current
August	September	August	September	August	September
309	233	1 hr 40 m	1 hr 20 m	1,219	1,130

* - excludes roadwork

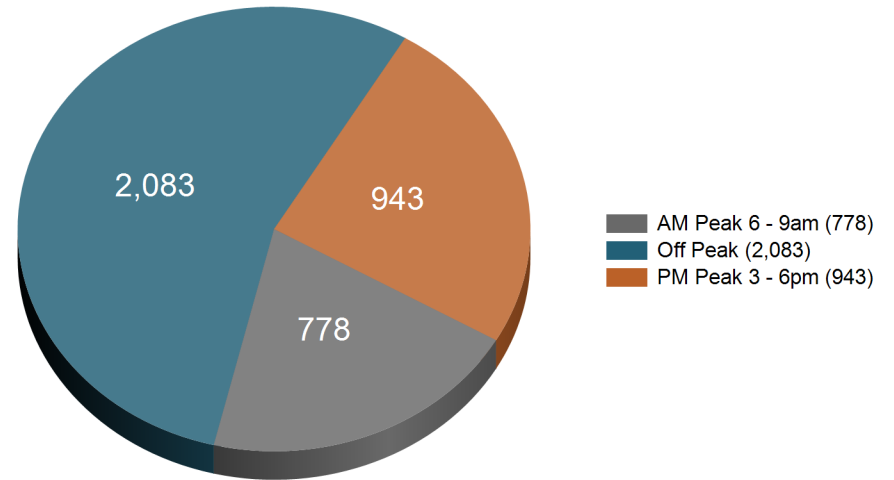
** - incidents involving multiple vehicles are counted as a single incident in the totals displayed throughout this report

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

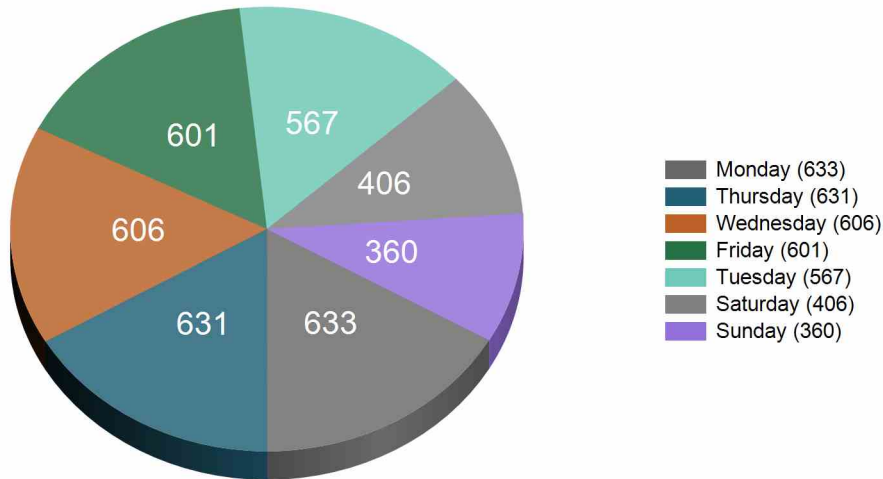
Incidents By Type



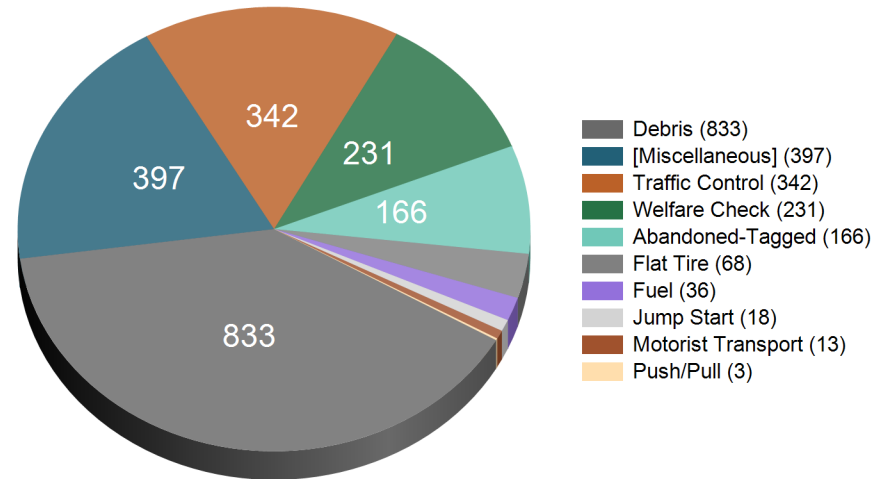
Incidents By Shift



Incidents By Day



Highway Helper Response

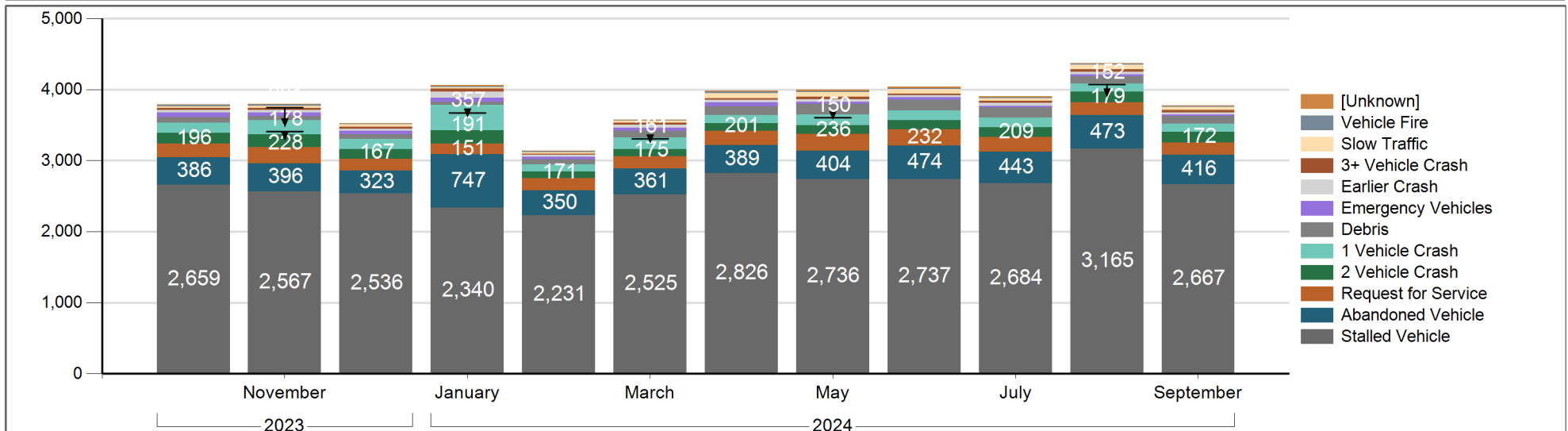


INCIDENT TOTALS BY TYPE

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	2,667	70%	32 min	959	28	44	828	43	765
Abandoned Vehicle	416	11%	1 min	203	5	5	46	10	147
Request for Service	172	5%		37	23	39	20	18	35
2 Vehicle Crash	149	4%	1 hr 1 m	82	5	7	18	3	34
1 Vehicle Crash	116	3%	2 hr 9 m	38	9	8	25	8	28
Debris	109	3%	13 min	57	3	7	11	3	28
Slow Traffic	46	1%		29	0	3	3	1	10
3+ Vehicle Crash	33	0.87%	52 min	18	3	2	2	1	7
Earlier Crash	27	0.71%		2	2	3	11	2	7
Emergency Vehicles	21	0.55%	38 min	10	3	1	1	0	6
Vehicle Fire	15	0.39%	2 hr 18 m	4	2	1	2	1	5
Abandoned CMV	8	0.21%		2	0	0	0	0	6
Total	3,779	100%	1 hr 4 m	1,441	83	120	967	90	1,078

* - Totals include Highway Helper Incidents

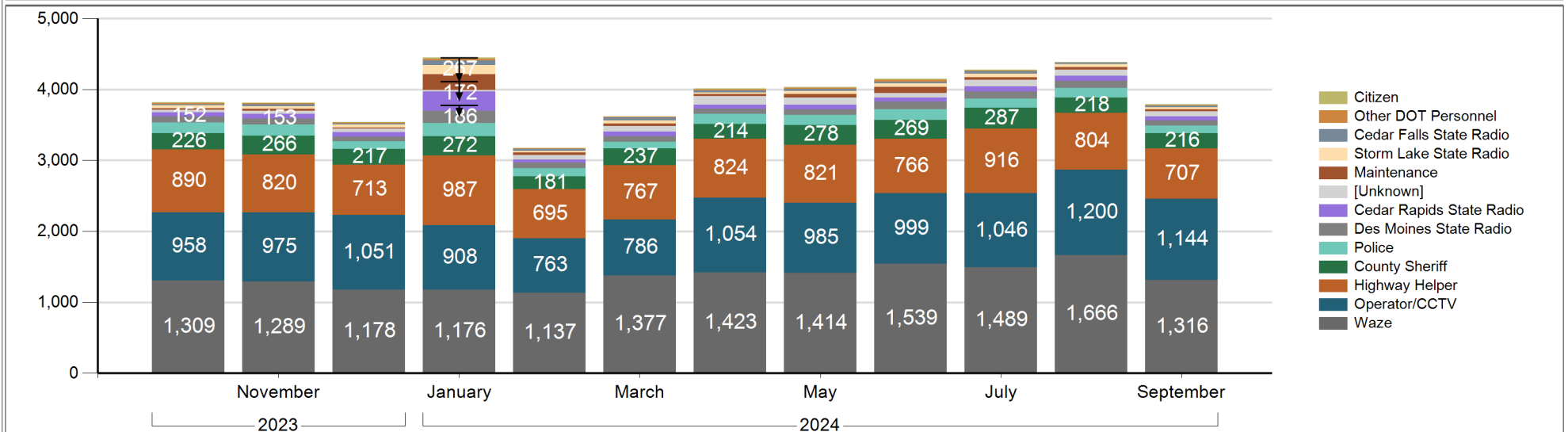


INCIDENT TOTALS BY DETECTION TYPE

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	1,316	35%	600	29	40	189	39	419
Operator/CCTV	1,144	30%	309	7	12	592	14	210
Highway Helper	707	19%	310	0	0	103	6	288
County Sheriff	216	6%	42	29	53	32	18	42
Police	108	3%	70	2	6	4	1	25
Other	95	2%	36	2	1	21	1	34
Des Moines State Radio	72	2%	56	0	0	7	7	2
Cedar Rapids State Radio	55	1%	5	0	0	0	3	47
Storm Lake State Radio	30	0.79%	0	0	7	23	0	0
Maintenance	28	0.74%	10	1	2	3	3	9
Cedar Falls State Radio	22	0.58%	3	15	0	0	0	4
Citizen	11	0.29%	6	0	2	0	0	3
Total	3,804	100%	1,447	85	123	974	92	1,083

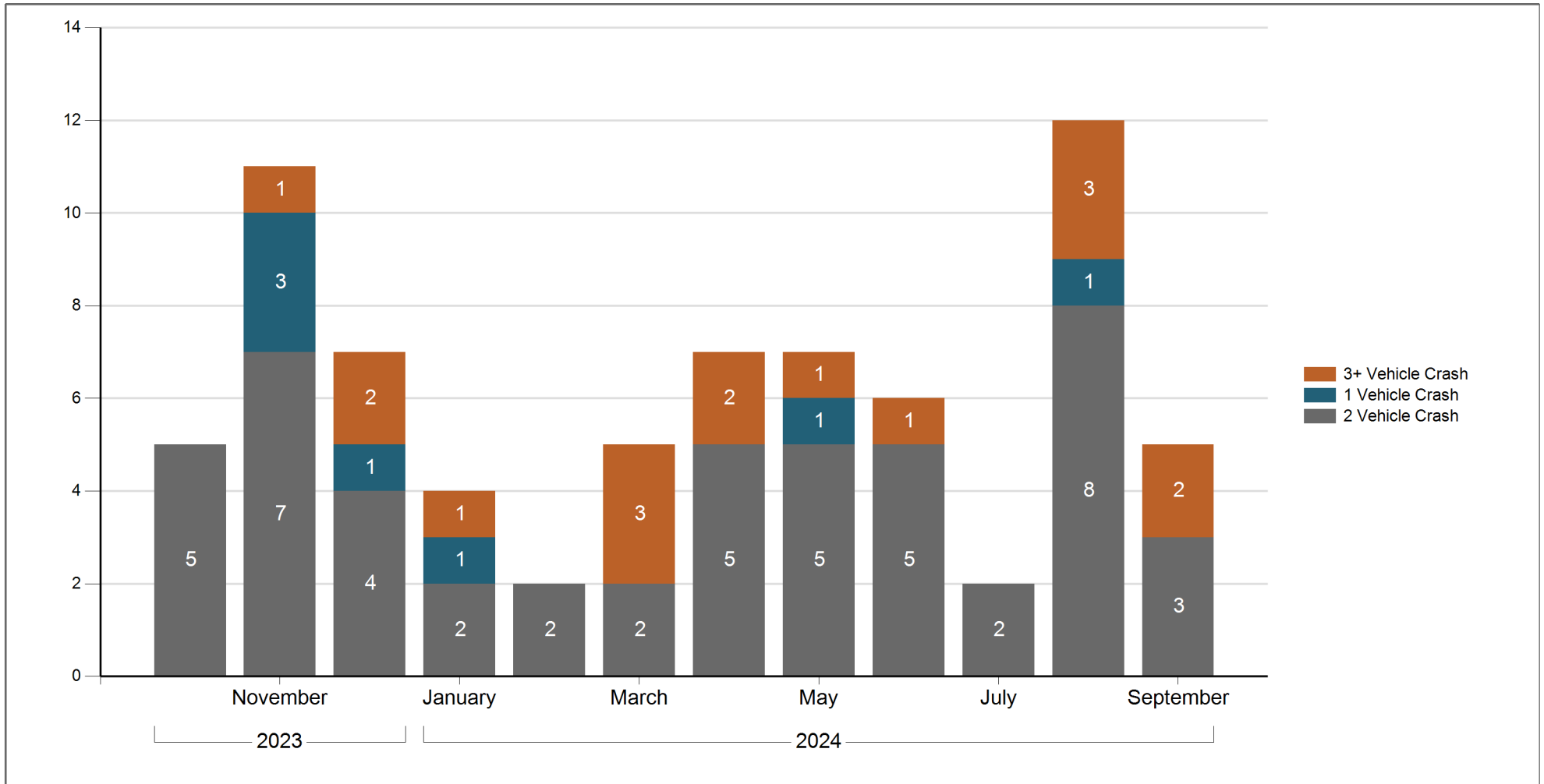
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

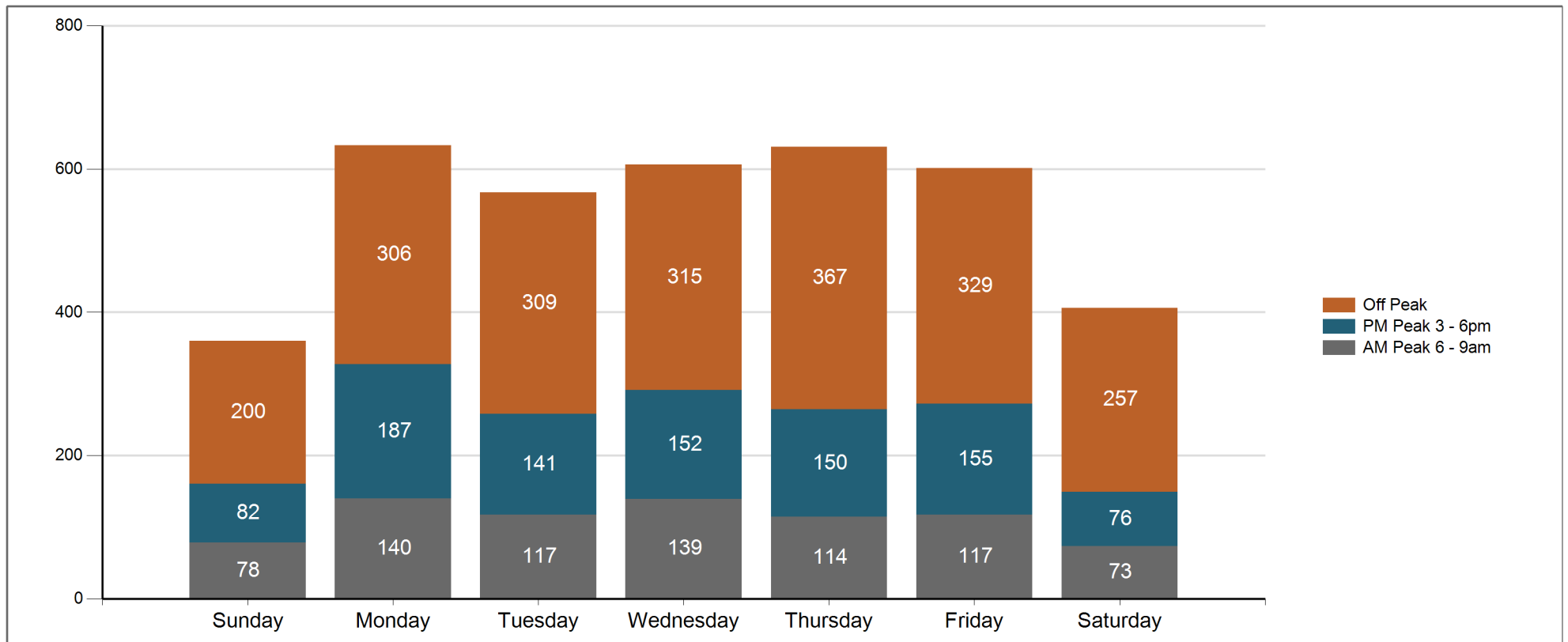
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	3	60%	34 min	2	0	1	0	0	0
3+ Vehicle Crash	2	40%	11 min	0	0	0	0	0	2
Total	5	100%	22 min	2	0	1	0	0	2



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.

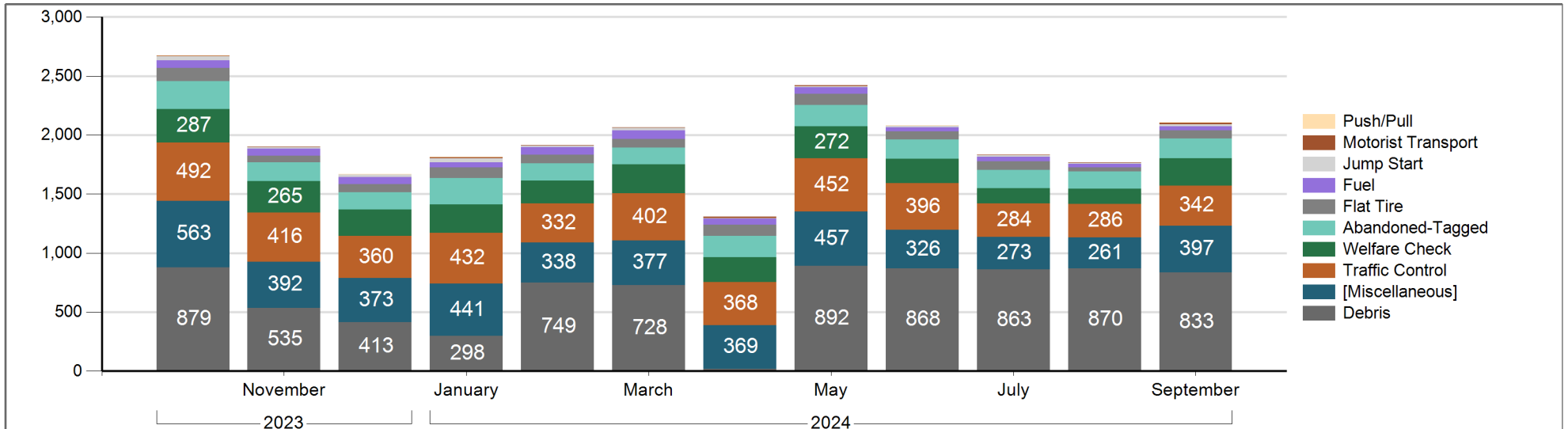
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Monday	633	17%	52 min	258	27	16	112	19	201
Thursday	631	17%	1 hr	194	9	23	205	21	179
Wednesday	606	16%	35 min	245	12	18	144	17	170
Friday	601	16%	1 hr 17 m	255	12	25	140	12	157
Tuesday	567	15%	1 hr 2 m	226	12	13	127	9	180
Saturday	406	11%	2 hr 45 m	135	6	13	154	7	91
Sunday	360	9%	43 min	134	7	15	92	7	105
Total	3,804	100%	52 min	1,447	85	123	974	92	1,083



HIGHWAY HELPER RESPONSES

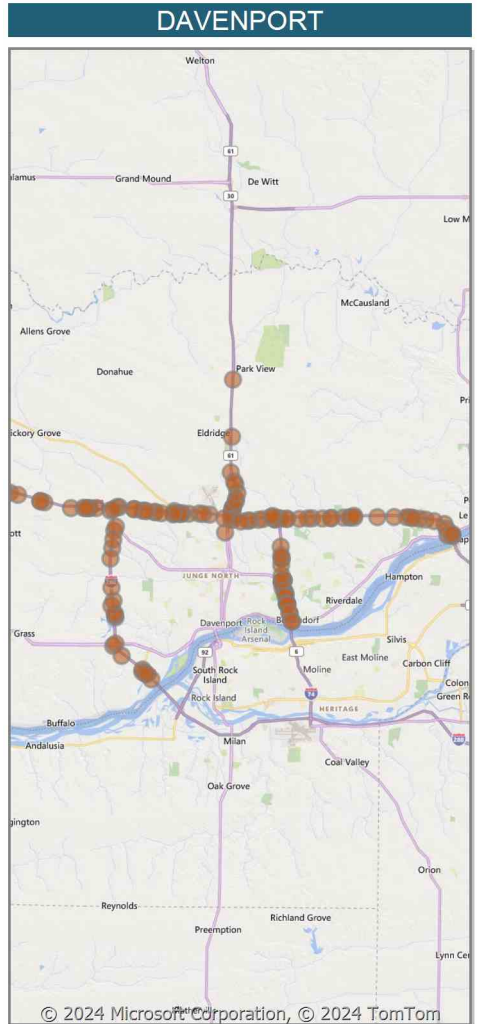
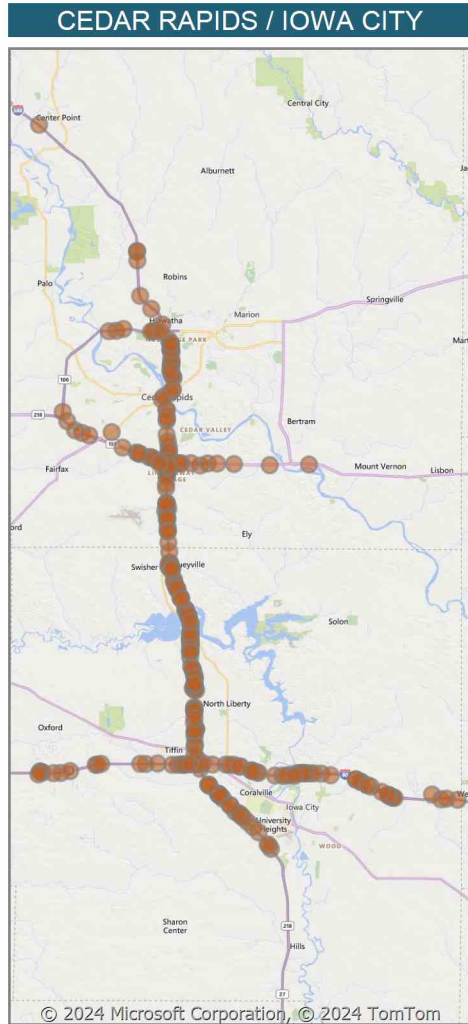
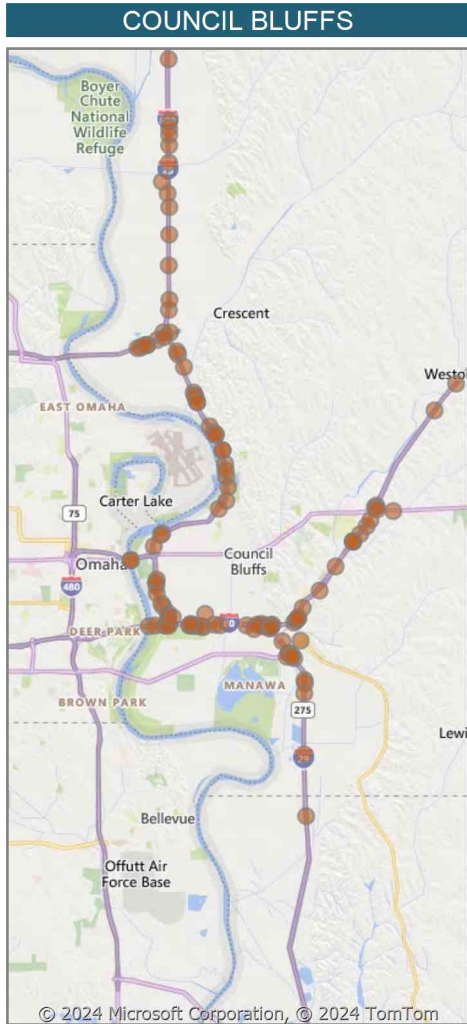
The total number of incidents Highway Helper responded to during the period.

Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City	Davenport
Debris	833	40%	1 hr		288	89	183	273
[Miscellaneous]	397	19%	46 min		153	73	88	83
Traffic Control	342	16%	48 min		160	56	78	48
Welfare Check	231	11%	53 min		85	40	57	49
Abandoned-Tagged	166	8%			66	30	28	42
Flat Tire	68	3%			22	16	20	10
Fuel	36	2%	30 min		16	2	10	8
Jump Start	18	0.85%			4	2	8	4
Motorist Transport	13	0.62%	7 min		3	0	9	1
Push/Pull	3	0.14%			1	0	1	1
Total	2,107	100%	47 min		798	308	482	519



HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

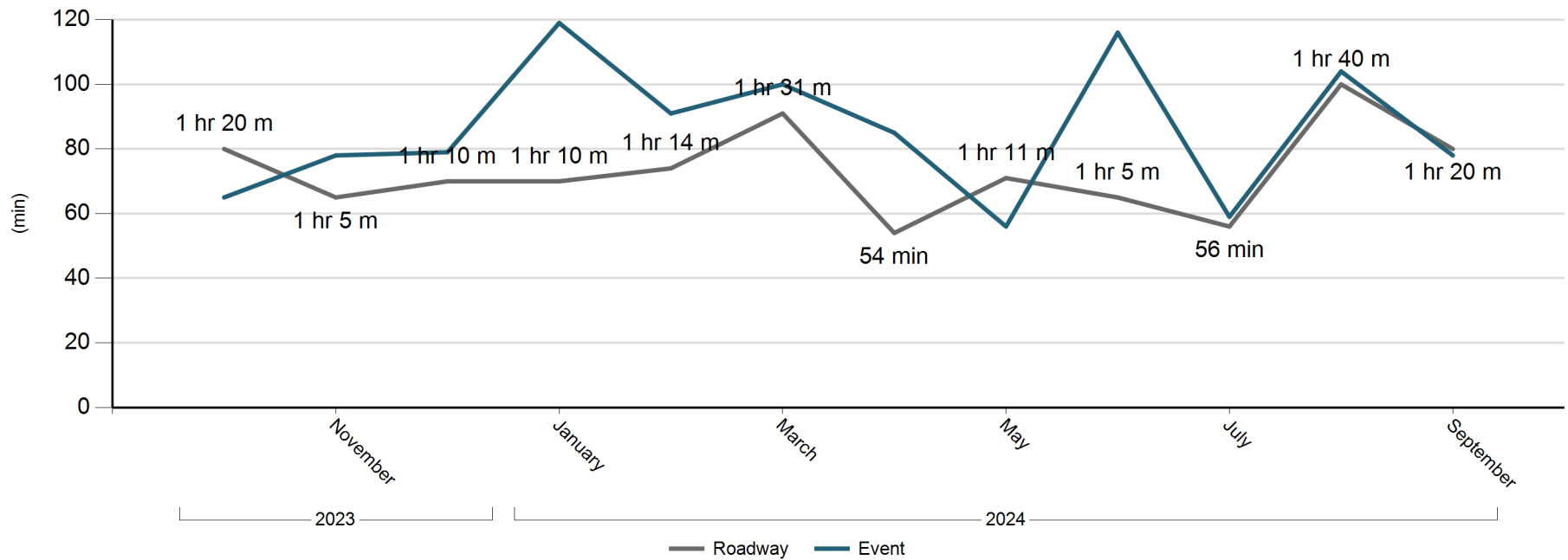


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

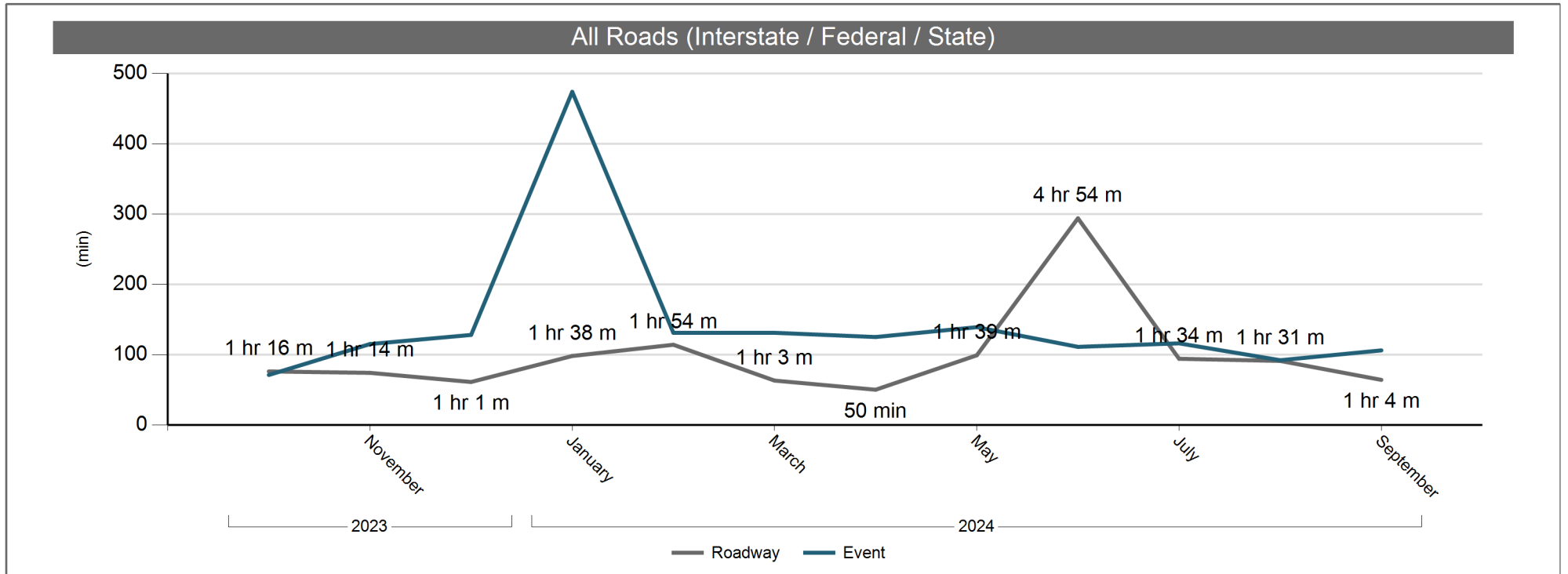
Event : All Responders Departed / Roadway : All Lanes Re-Opened

	Type	Total	District 1	District 2	District 3	District 4	District 5	District 6
Event	All	1 hr 18 m	45 min		20 min	4 hr 45 m		55 min
	Federal	1 hr	2 hr 16 m		20 min			42 min
	Interstate	1 hr 21 m	41 min			4 hr 45 m		58 min
	State	30 min	30 min					
Roadway	All	1 hr 20 m	48 min	1 hr 25 m	2 hr 8 m	1 hr 57 m	2 hr 27 m	1 hr 20 m
	Federal	1 hr 51 m	1 hr 14 m	1 hr 26 m	2 hr 4 m	2 hr 26 m	2 hr 57 m	2 hr 5 m
	Interstate	1 hr 8 m	38 min		2 hr 30 m	1 hr 50 m	2 hr 53 m	1 hr 6 m
	State	1 hr 11 m	1 hr 8 m	1 hr 23 m	1 hr 3 m	2 hr 50 m	30 min	2 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 46 m	2 hr 41 m	59 min	20 min	2 hr 39 m	15 min	35 min
	Federal	5 hr 19 m	12 hr 46 m	45 min	20 min	4 hr 46 m		23 min
	Interstate	1 hr 17 m	1 hr 30 m	1 hr 13 m		2 hr 28 m	15 min	37 min
	State	18 min	18 min					
Roadway	All	1 hr 4 m	44 min	1 hr 13 m	1 hr 39 m	1 hr 40 m	1 hr 59 m	57 min
	Federal	1 hr 30 m	57 min	1 hr 21 m	1 hr 54 m	1 hr 29 m	2 hr 38 m	1 hr 34 m
	Interstate	57 min	41 min	46 min	1 hr 27 m	1 hr 39 m	1 hr 42 m	49 min
	State	58 min	49 min	1 hr 11 m	1 hr 3 m	2 hr 50 m	30 min	43 min



INCIDENTS (CLEARANCE TIME DEVIATION)

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
1 Vehicle Crash (Avg Impact : 2 hr 9 m)								
	09/16 05:36 PM	329942	US-151			1	5 hr 20 m	Single vehicle crash event on US-151 N @ MM 94.7 in Dubuque.
	09/05 07:18 PM	328501	US-218				5 hr 8 m	Single vehicle crash event on US-218 N @ MM 48.5 (near Mount Pleasant).
	09/21 07:58 AM	330621	I-80			1	11 hr 48 m	Single vehicle crash event on I-80 E @ MM 230.5 (near Oxford).
	09/21 05:36 AM	330599	I-29			1	9 hr 42 m	Single vehicle crash event on I-29 S @ MM 47.2 in Council Bluffs.
	09/27 06:51 AM	331393	I-29	1			8 hr 14 m	Single vehicle crash event on I-29 S @ MM 146.4 in Sioux City.
2 Vehicle Crash (Avg Impact : 1 hr 1 m)								
	09/27 02:18 AM	331365	I-80		1		2 hr 51 m	2 vehicle crash event on I-80 W @ MM 100.7 (near Dexter).
	09/24 03:22 PM	330987	US-61			1	5 hr 56 m	2 vehicle crash event on US-61 N @ MM 191.3 in Dubuque.
	09/27 02:52 PM	331456	US-275		2	2	4 hr 53 m	2 vehicle crash event on US-275 N @ MM 7.2 (near Hamburg).
	09/27 11:51 AM	331431	US-65		1	2	2 hr 12 m	2 vehicle crash event on US-65 N @ MM 136.1 (near Hubbard).
	09/21 08:50 PM	330671	US-169	1			2 hr 19 m	2 vehicle crash event on US-169 N @ MM 178.8 (near Humboldt).
	09/23 10:52 PM	330879	IA-330				2 hr 51 m	2 vehicle crash event on IA-330 N @ MM 3.5 (near Collins).
	09/25 10:34 AM	331111	US-75	1		1	4 hr 5 m	2 vehicle crash event on US-75 S @ MM 101.8 (near Sioux City).
	09/30 08:03 PM	331855	US-69		1		2 hr 16 m	2 vehicle crash event on US-69 N @ MM 87 in Des Moines.
	09/17 02:30 AM	329973	I-80		1	2	3 hr 18 m	2 vehicle crash event on I-80 W @ MM 285 (near Walcott).
3+ Vehicle Crash (Avg Impact : 52 min)								
	09/05 01:02 PM	328452	IA-27		2		2 hr 46 m	3+ vehicle crash event on IA-27 S @ MM 180.5 in Cedar Falls.
	09/29 08:34 PM	331703	US-218				2 hr 15 m	3+ vehicle crash event on US-218 S @ MM 31.6 (near Houghton).
	09/11 11:02 AM	329203	IA-316		2	1	2 hr 43 m	3+ vehicle crash event on IA-316 N @ MM 2 (near Swan).
Emergency Vehicles (Avg Impact : 38 min)								
	09/07 01:57 AM	328696	US-75				2 hr 51 m	Emergency vehicles event on US-75 N @ MM 111.9 (near Merrill).
Stalled Vehicle (Avg Impact : 32 min)								
	09/19 02:07 PM	330348	I-80				2 hr 45 m	Stalled vehicle event on I-80 W @ MM 254.3 (near West Branch).
	09/27 03:44 PM	331464	I-80				2 hr 11 m	Stalled vehicle event on I-80 W @ MM 124.5 in Clive.
Vehicle Fire (Avg Impact : 2 hr 18 m)								
	09/21 07:04 PM	330669	I-35			1	9 hr 42 m	Vehicle fire event on I-35 S @ MM 133.8 (near Ellsworth).