



TRAFFIC MANAGEMENT CENTER PERFORMANCE MEASUREMENTS

April 2018

This report contains statistical and operational data for TMC activities from the period of April 01, 2018 to April 30, 2018.

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
3,371	3,392	9	8	203	223

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
295	303	1 hr 1 m	59 min	1,577	1,532

* - excludes roadwork

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

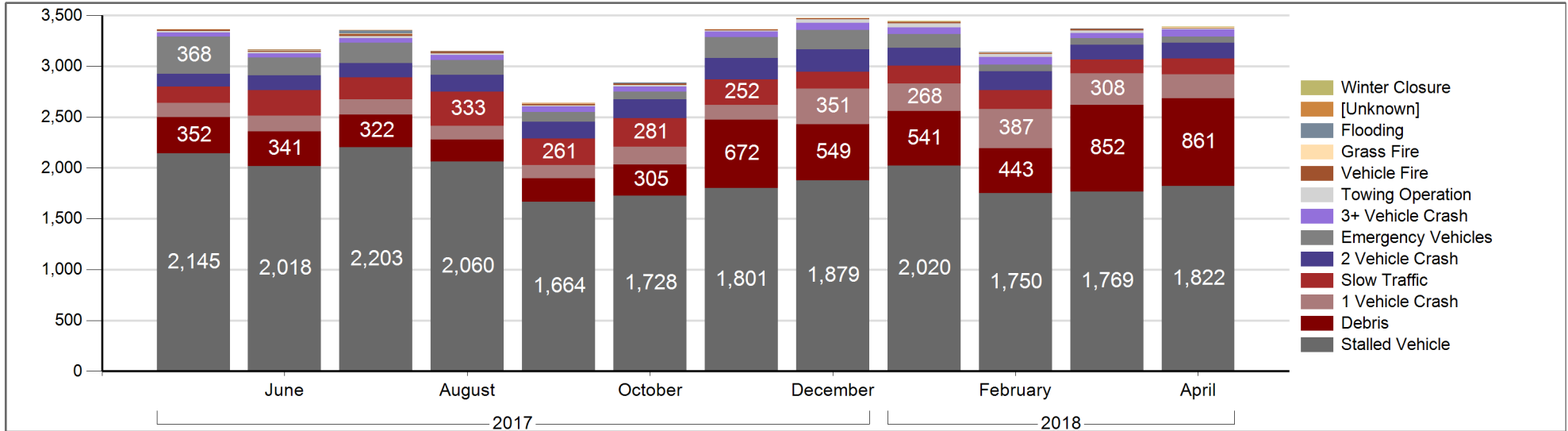
The term 'Avg Impact' is used throughout this report to indicate mainline closure times (excludes shoulder/ramp closure).

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	1,822	54%	28 min	937	40	19	231	89	504
Debris	861	25%	19 min	288	8	11	175	5	119
1 Vehicle Crash	236	7%	1 hr 10 m	86	23	20	38	19	49
2 Vehicle Crash	157	5%	56 min	78	9	9	22	6	33
Slow Traffic	156	5%		100	8	7	9	1	31
3+ Vehicle Crash	66	2%	39 min	40	1	1	4	1	19
Emergency Vehicles	61	2%	1 hr 15 m	17	3	3	7	3	20
Grass Fire	13	0%	38 min	5	0	2	3	0	3
Towing Operation	11	0%	6 hr 17 m	3	0	0	3	2	3
Vehicle Fire	8	0%	52 min	3	1	0	2	1	1
Winter Closure	1	0%	2 hours	0	0	1	0	0	0
Total	3,392	100%	1 hr 1 m	1,557	93	73	494	127	782

* - Totals include Highway Helper Incidents

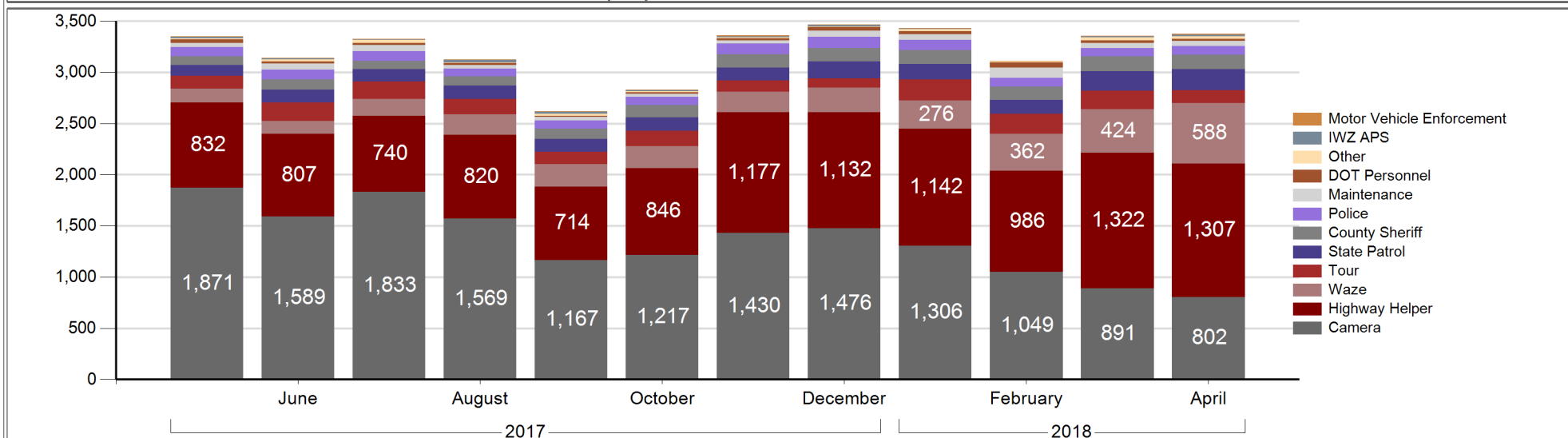


INCIDENT TOTALS BY DETECTION TYPE

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*
Highway Helper	1,307	39%	465	0	0	286	0	293
Camera	802	24%	495	15	8	85	58	141
Waze	588	17%	314	37	5	37	30	164
State Patrol	202	6%	97	10	15	35	8	37
County Sheriff	144	4%	35	8	14	25	14	47
Tour	129	4%	60	5	6	9	8	40
Police	86	3%	35	5	12	9	4	21
Maintenance	48	1%	15	1	6	3	3	20
Other	28	1%	21	3	0	1	0	3
DOT Personnel	18	1%	5	2	5	1	1	4
IWZ APS	16	0%	0	3	2	0	0	11
Motor Vehicle Enforcement	8	0%	7	0	0	1	0	0
Total	3,376	100%	1,549	89	73	492	126	781

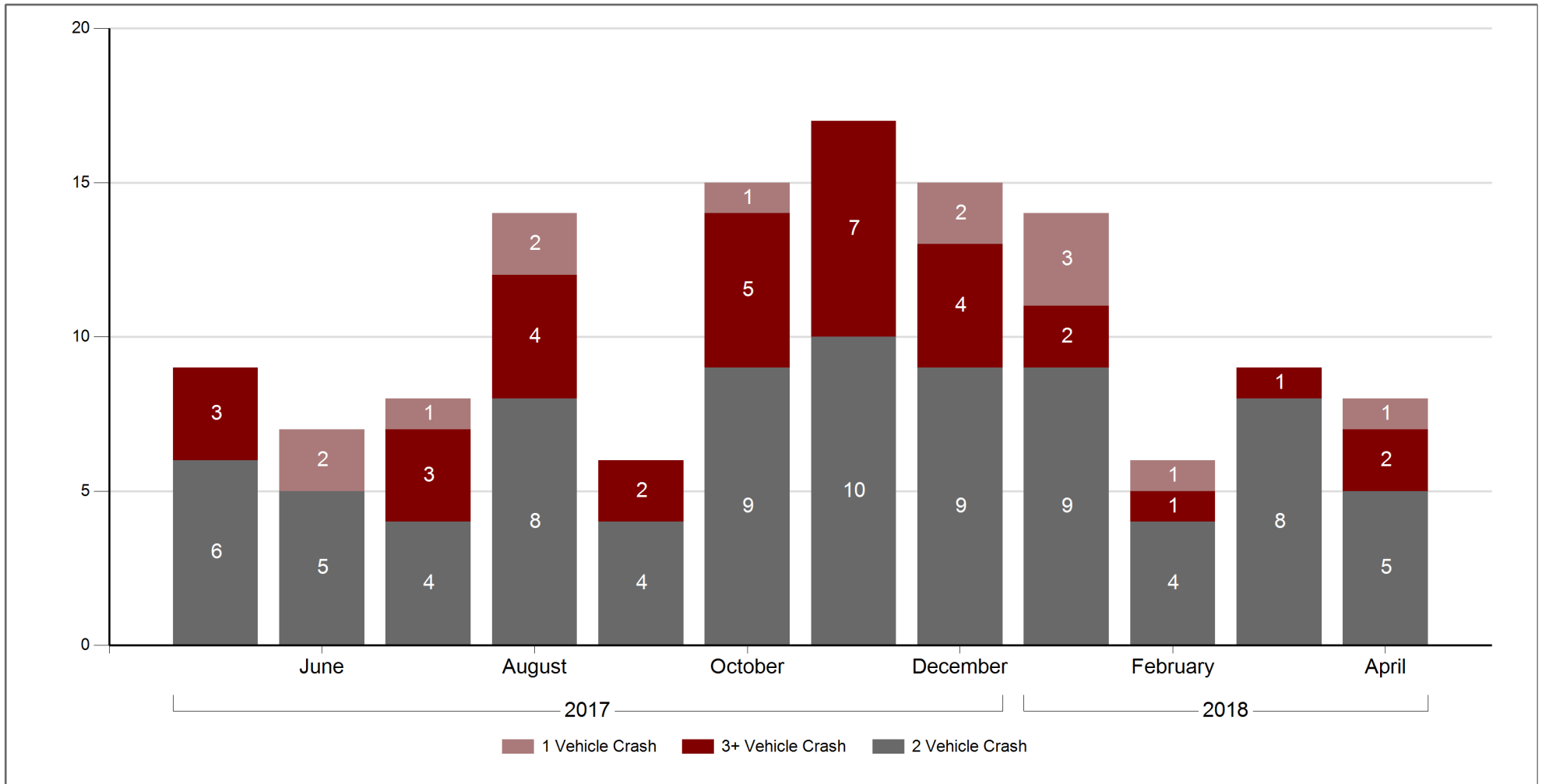
* - Totals include Highway Helper Incidents



SECONDARY INCIDENTS BY TYPE

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

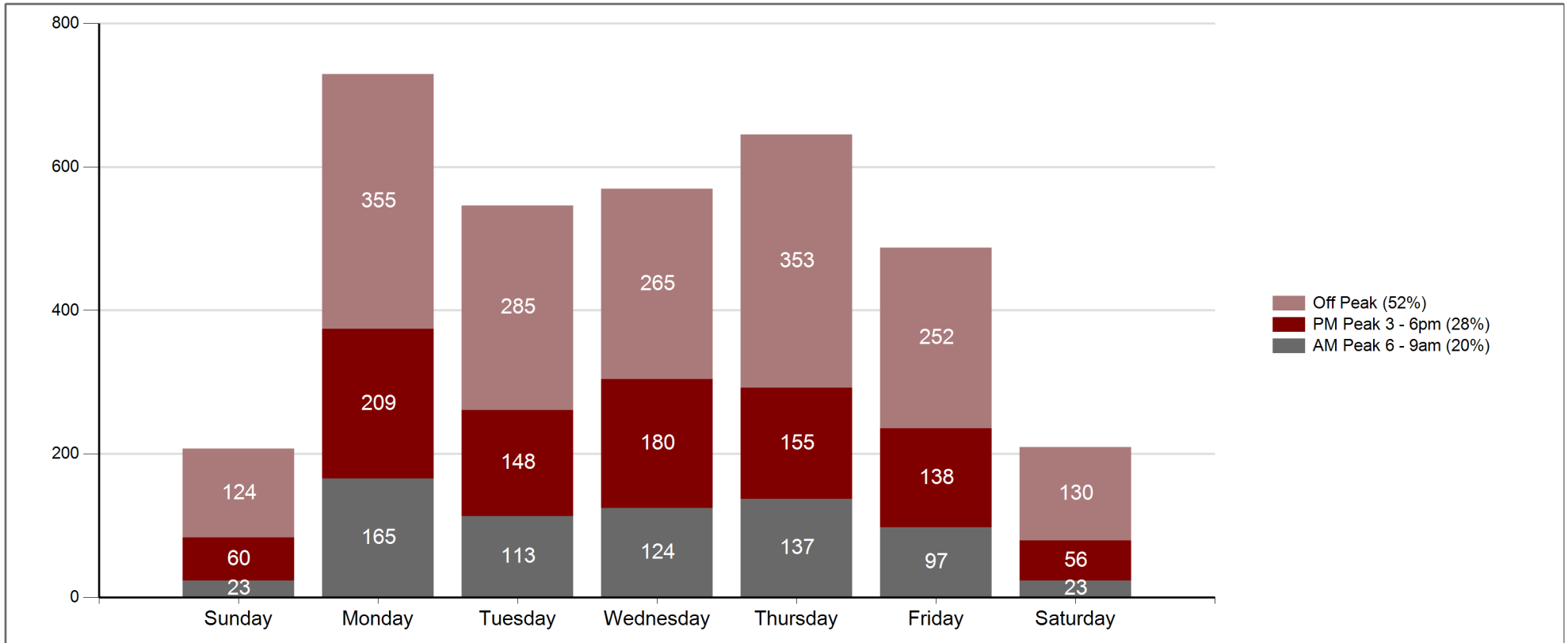
Type	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
2 Vehicle Crash	5	63%		4	0	0	0	0	1
3+ Vehicle Crash	2	25%	44 min	1	0	0	0	0	1
1 Vehicle Crash	1	13%		1	0	0	0	0	0
Total	8	100%	44 min	6	0	0	0	0	2



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.

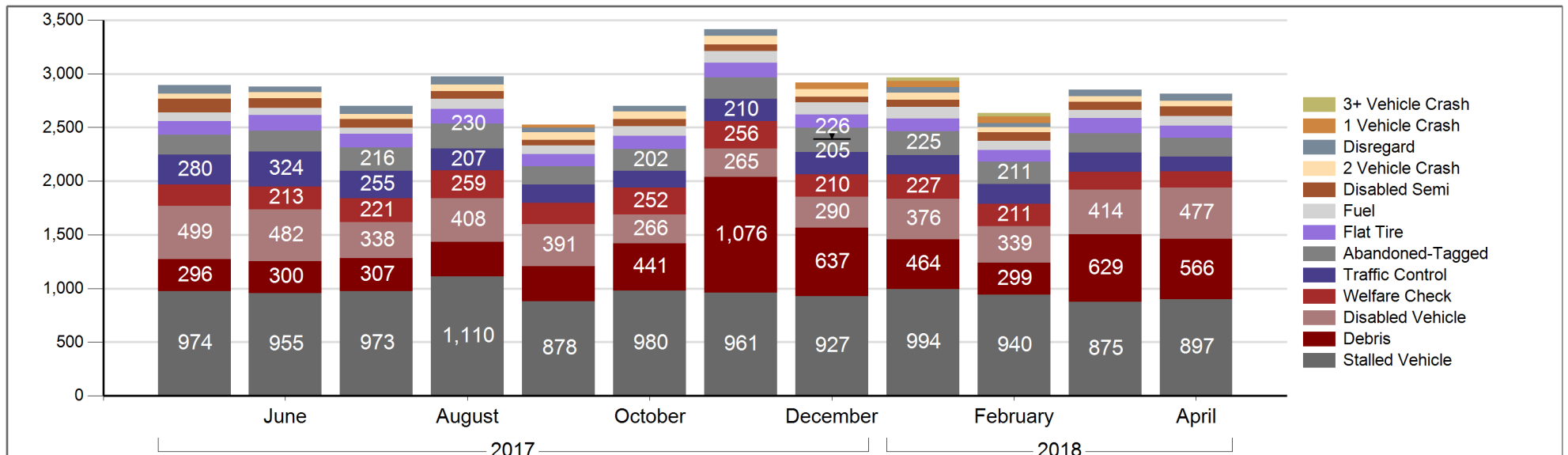
Weekday	Total	%	Avg Impact	District 1	District 2	District 3	District 4	District 5	District 6
Monday	729	21%	51 min	313	16	14	124	25	160
Thursday	645	19%	51 min	290	8	13	91	31	134
Wednesday	569	17%	49 min	249	11	6	89	22	115
Tuesday	546	16%	1 hr 8 m	270	13	9	66	11	149
Friday	487	14%	1 hr 8 m	235	11	7	78	19	131
Saturday	209	6%	59 min	108	17	9	22	8	45
Sunday	207	6%	1 hr 20 m	92	17	15	24	11	48
Total	3,392	100%	1 hr 1 m	1,557	93	73	494	127	782



HIGHWAY HELPER RESPONSES

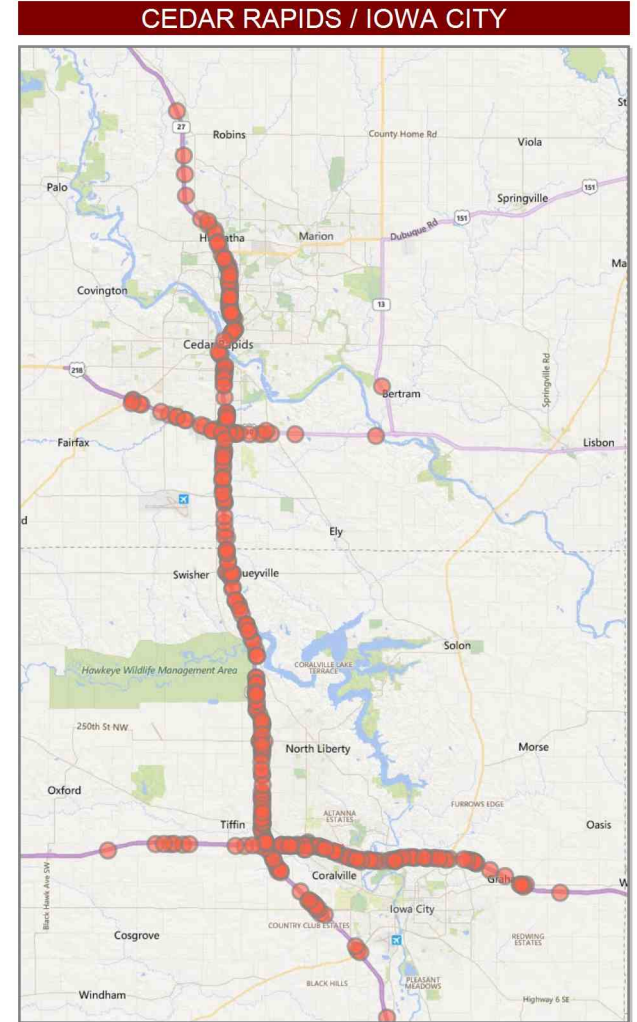
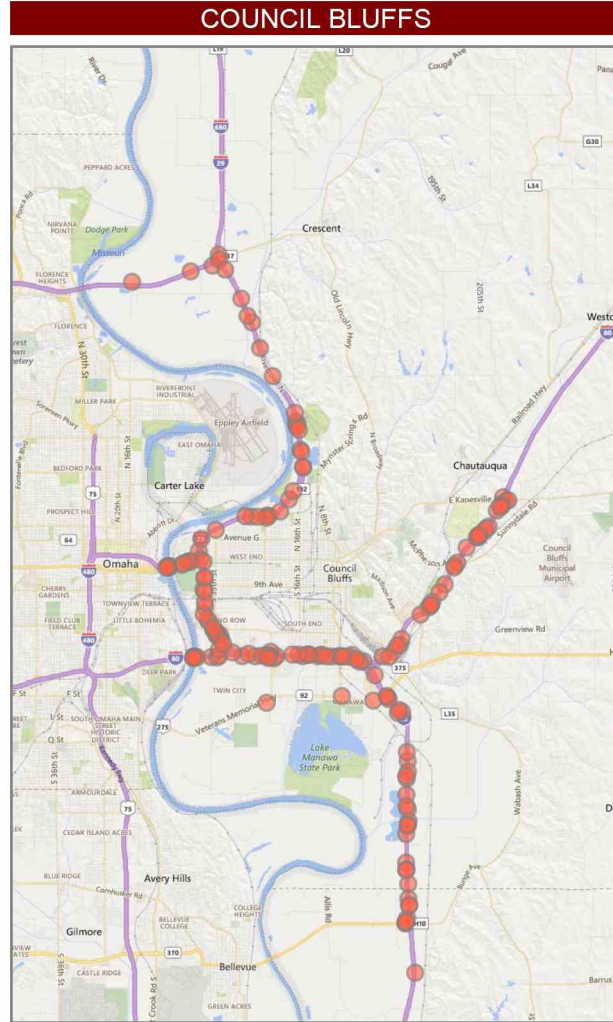
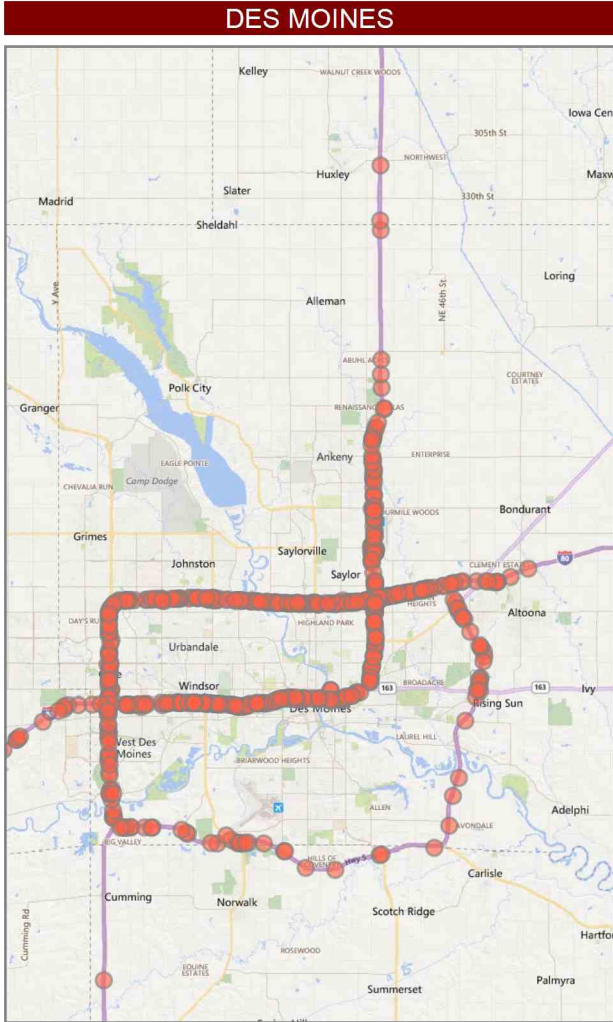
The total number of incidents Highway Helper responded to during the period.

Type	Total	%	Avg Impact		Des Moines	Council Bluffs	Cedar Rapids / Iowa City
Stalled Vehicle	897	30%	16 min		452	151	294
Debris	522	18%	15 min		261	168	92
Disabled Vehicle	477	16%	13 min		261	65	151
Abandoned-Tagged	171	6%			108	21	42
Welfare Check	152	5%	46 min		71	28	53
Traffic Control	137	5%	25 min		84	23	30
Flat Tire	116	4%	20 min		48	30	38
Disabled Semi	93	3%	12 min		32	17	44
Fuel	88	3%			49	15	24
Disregard	64	2%	6 min		49	10	5
2 Vehicle Crash	52	2%	39 min		35	9	8
3+ Vehicle Crash	36	1%	31 min		24	3	9
Total	2,805	100%	33 min		1,474	540	790



HIGHWAY HELPER ASSIST BY LOCATION

Highway Helper detected incidents and response locations.

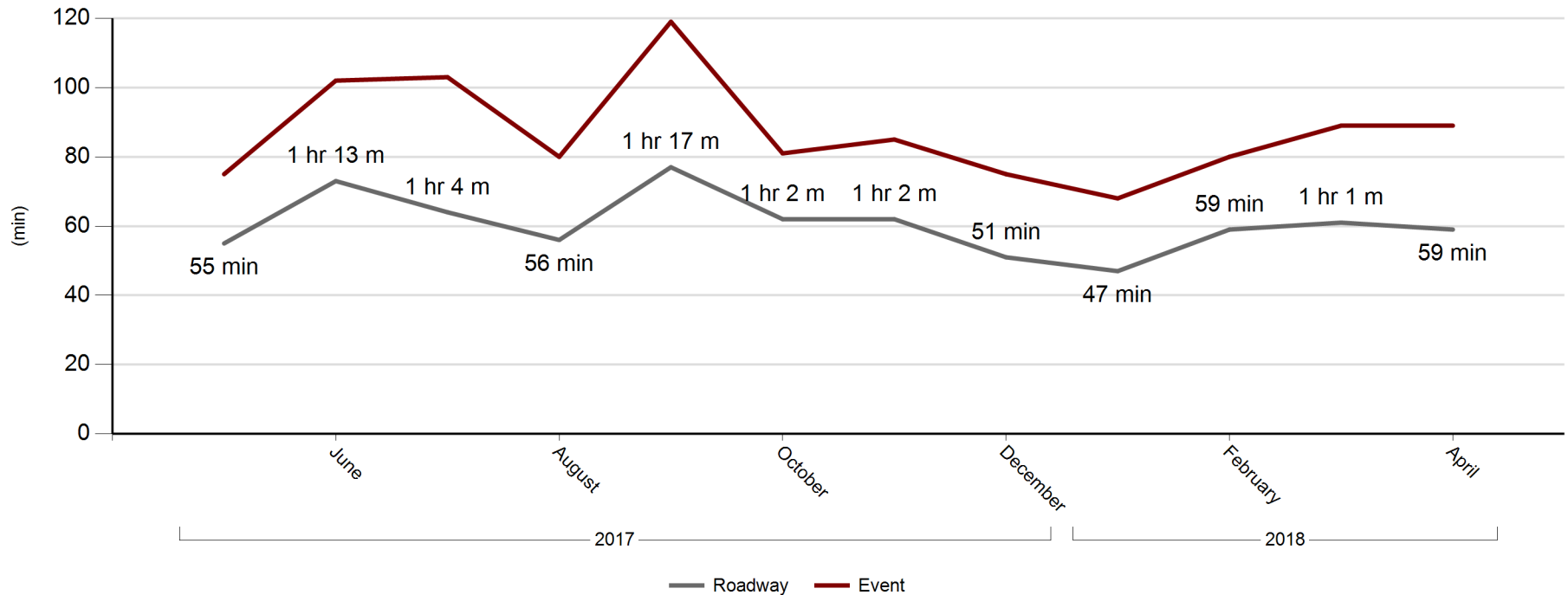


INCIDENT CLEARANCE TIMES (CRASHES ONLY)

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 17 m	1 hr 17 m	1 hr 17 m	1 hr 8 m	1 hr 31 m	1 hr 56 m	1 hr 7 m
	Interstate	1 hr 16 m	1 hr 16 m	1 hr 8 m	1 hr 28 m	1 hr 44 m	2 hr 38 m	52 min
	State	1 hr 9 m	1 hr 13 m		49 min		2 hr 21 m	49 min
	Federal	1 hr 19 m	1 hr 21 m	1 hr 30 m	1 hr 2 m	44 min	1 hr 3 m	1 hr 34 m
Roadway	All	59 min	58 min	59 min	1 hr 13 m	53 min	1 hr 28 m	56 min
	Interstate	54 min	57 min	1 hr 3 m	42 min	55 min	2 hr 28 m	44 min
	State	44 min	52 min		39 min		16 min	45 min
	Federal	1 hr 11 m	1 hr 7 m	55 min	1 hr 31 m	45 min	1 hr 13 m	1 hr 19 m

All Roads (Interstate / Federal / State)

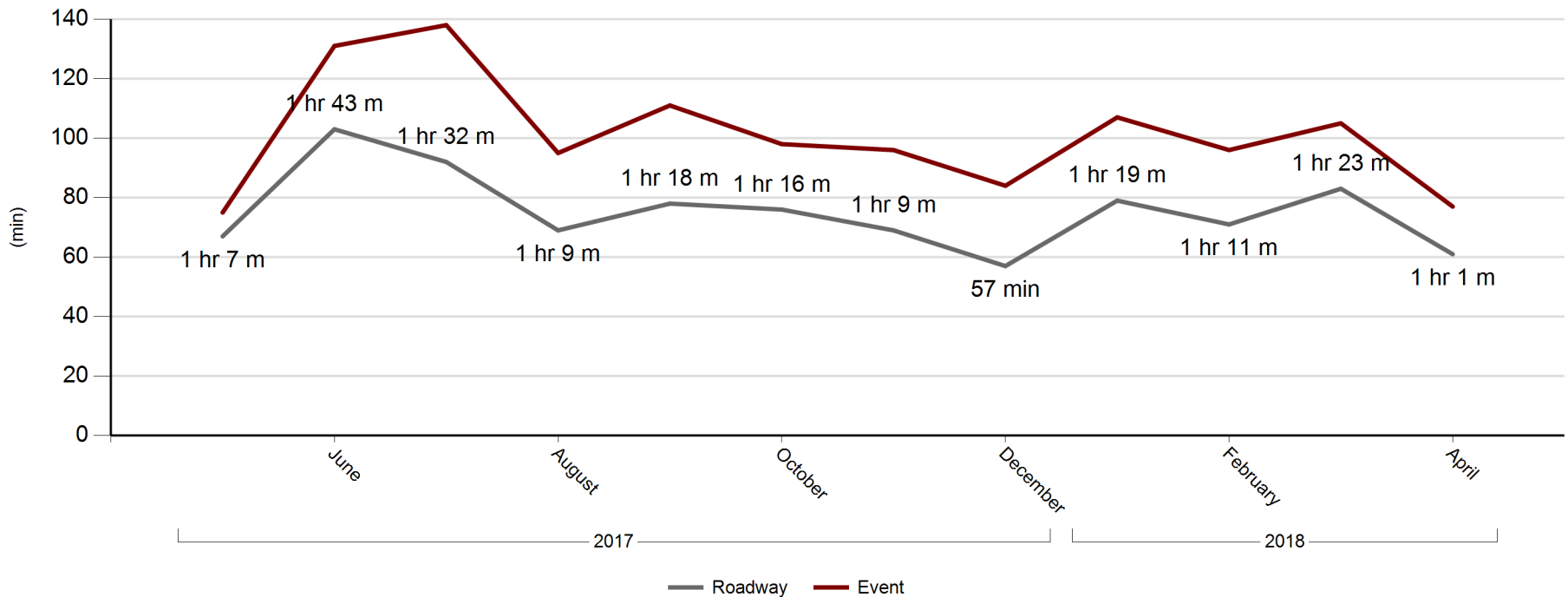


INCIDENT CLEARANCE TIMES (ALL TYPES)

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	1 hr 12 m	1 hr 12 m	1 hr 13 m	1 hr 6 m	1 hr 10 m	1 hr 48 m	1 hr 11 m
	Interstate	1 hr 16 m	1 hr 12 m	1 hr 6 m	1 hr 9 m	1 hr 17 m	2 hr 38 m	1 hr 20 m
	State	1 hr 1 m	54 min		1 hr 24 m		1 hr 23 m	43 min
	Federal	1 hr 7 m	1 hr 21 m	1 hr 23 m	1 hr 1 m	42 min	1 hr 39 m	1 hr 2 m
Roadway	All	1 hr 1 m	58 min	1 hr 5 m	1 hr 4 m	52 min	1 hr 30 m	1 hr 6 m
	Interstate	59 min	57 min	59 min	29 min	47 min	2 hr 28 m	1 hr 12 m
	State	1 hr 1 m	39 min		1 hr 29 m		1 hr 5 m	1 hr 5 m
	Federal	1 hr 5 m	1 hr 10 m	1 hr 11 m	1 hr 17 m	1 hr 9 m	1 hr 37 m	57 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)								
	04/14 10:35 AM	45368	US-59			1	5 hr 36 m	Initial report of a single vehicle crash on US-59 NB at MM 200 (near Melvin).
	04/02 11:55 AM	43575	I-680			1	3 hr 8 m	Initial report of a single vehicle crash on I-680 EB at MM 13 (near Missouri Valley).
	04/25 08:04 PM	46680	I-80			1	3 hr 18 m	Initial report of a single vehicle crash on I-80 EB at MM 123 in West Des Moines (near Clive).
	04/27 07:00 PM	46952	I-280			1	3 hr 46 m	Initial report of a single vehicle crash on I-280 WB at MM 9 in Davenport.
	04/13 08:33 AM	45247	I-35		1	1	3 hr 54 m	Initial report of a single vehicle crash on I-35 SB at MM 62 (near Cumming).
	04/30 09:37 PM	47185	I-35		1		6 hr 40 m	Initial report of a single vehicle crash on I-35 SB at MM 87 (near Saylorville).
2 Vehicle Crash (Avg Impact : 56 min)								
	04/18 09:09 PM	45854	I-80				2 hr 27 m	Initial report of a 2 vehicle crash on I-80 WB at MM 297 in Davenport (near Mount Joy).
	04/17 02:56 AM	45635	I-80				2 hr 37 m	Initial report of a 2 vehicle crash on I-80 EB at MM 142 in Altoona.
	04/18 07:47 AM	45771	I-80			2	2 hr 46 m	Initial report of a 2 vehicle crash on I-80 WB at MM 164 (near Lambs Grove).
	04/03 02:40 PM	43862	I-80				2 hr 58 m	Initial report of a 2 vehicle crash on I-80 WB at MM 113 (near Van Meter).
	04/05 10:00 AM	44225	US-30	1		1	6 hr 24 m	Initial report of a 2 vehicle crash on US-30 at MM 211 (near Vining).
	04/12 11:04 AM	45122	US-52	1		1	3 hr 1 m	Initial report of a 2 vehicle crash on US-52 at MM 106 (near Farmersburg).
	04/20 04:59 PM	46075	US-30	1		1	4 hr 1 m	Initial report of a 2 vehicle crash on US-30 WB at MM 242 (near Atkins).
	04/27 02:28 AM	46830	US-20	1		1	4 hr 49 m	Initial report of a 2 vehicle crash on US-20 WB at MM 320 (near Dubuque).
Emergency Vehicles (Avg Impact : 1 hr 15 m)								
	04/22 04:42 PM	46198	US-275				3 hr 18 m	Initial report of structure fire on US-275 NB at MM 57 (near Council Bluffs).
	04/05 10:01 AM		US-30				6 hr 23 m	Initial report of an emergency vehicles event on US-30 WB at MM 211 (near Vining).
	04/26 02:13 AM	46685	I-35				3 hr 22 m	Initial report of an emergency vehicles event on I-35 NB at MM 110 (near Ames).
	04/27 02:29 AM		US-20		1		4 hr 50 m	Initial report of an emergency vehicles event on US-20 WB at MM 320 (near Dubuque).
	04/12 11:05 AM		US-52				3 hours	Initial report of an emergency vehicles event on US-52 NB at MM 106 (near Farmersburg).
	04/22 04:43 PM		US-275				3 hr 18 m	Initial report of an emergency vehicles event on US-275 SB at MM 57 (near Council Bluffs).
Stalled Vehicle (Avg Impact : 28 min)								
	04/22 05:43 PM		US-59				2 hr 29 m	Initial report of a stalled vehicle on US-59 NB at MM 126 (near Ida Grove).
	04/22 05:41 PM	46200	US-59			1	2 hr 26 m	Initial report of a stalled vehicle on US-59 SB at MM 126 (near Ida Grove).

INCIDENTS (CLEARANCE TIME DEVIATION)

Type	Date / Time	Incident #	Highway	Fatality	Injury	Semi	Duration	Description
Towing Operation (Avg Impact : 6 hr 17 m)								
	04/22 07:30 AM		I-80			1	14 hr 35 m	Initial report of a towing operation event on I-80 WB at MM 162 (near Lambs Grove).
	04/17 08:00 PM		I-80			1	13 hr 30 m	Initial report of a towing operation event on I-80 EB at MM 239 in Tiffin.
	04/17 08:00 PM		I-380			1	13 hr 28 m	Initial report of a towing operation event on I-380 SB at MM in Tiffin.