



Mr. Tim Crouch
Office of Traffic and Safety
Iowa DOT
800 Lincoln Way
Ames, Iowa 50010

Dear Sir,

Pursuant to DOT rule 761 - 144.7 of the Iowa Administrative Code, the City of Cedar Rapids submits this report on its Automated Traffic Enforcement system for calendar year 2014. In so doing, however, the City does not acknowledge the validity of that rule as applied to Cedar Rapids, nor does it concede the report forms a valid basis for any evaluation by which the DOT purports to require changes to the City's ATE program.

Please note the City has changed the source of the crash data included in this report. Previously the City included only crashes that resulted in a police officer completing an *"Investigating Officers Report of a Motor Vehicle Accident"* as found in DOT's Traffic and Criminal Software ("TraCs"). This report, and all subsequent reports, will include crash data from TraCs, as well as crash reports submitted by drivers. All crash data has been compiled by the City's Traffic Engineering Department and any redundancies have been removed.

Crash Data Summation:

Between January 1, 2007 and that part of 2010 before ATE was operational (a period of 41 ½ months), the City recorded 213 crash events on I-380. Of the 213 crashes, 92 involved at least one driver or passenger being injured. Three of those 92 crashes involved fatalities with a combined death toll of four.

From the start of ATE in 2010 through 2014 (a period of 54 ½ months), the City recorded 164 crash events on I-380. Of the 164 crashes, 48 resulted in at least one driver or passenger being injured. That is a 23% reduction in total crashes, a 48% reduction in injury crashes and of most importance there have been zero fatal crashes since ATE was installed.

The post-camera period reflected in this report is 13 months longer than the pre-camera period, yet there were fewer total crashes, fewer injury crashes, and no fatal crashes. This data proves the City has produced a significant reduction in both the number and severity of crashes on I-380.



Fixed Speed Cameras Located I-380 Between mm 19-22

Fatal vs injury vs property damage accidents					
Pre-camera Data	YEAR	Number of Crashes	Injury Crashes	Fatal Crashes	Property Damage Crashes
	2007	54	21	0	33
2008	67	32	1	35	
2009	69	32	2	37	
2010	23	7	0	16	
Total	213	92	3	121	
Post-Camera Data					
	2010	12	2	0	10
	2011	32	9	0	23
	2012	36	15	0	21
	2013	38	10	0	28
	2014	46	12	0	34
	Total	164	48	0	116

ATE was installed and activated on I-380 on the following dates:
 Northbound at Diagonal Dr. SW Exit on June 12, 2010
 Northbound at J Ave NE overpass on August 27, 2010
 Southbound at J Ave NE overpass on October 16, 2010
 Southbound at 1st Ave. West off ramp on December 18, 2010

2010 crash numbers reflects the location and date of crash associated to the location and date of ATE activation.

Crashes are counted as an injury crash when any occupant or pedestrian sustains an injury during the event.
 Property Damage crashes result in no injuries, only damage to vehicles or other property.
 Crashes are counted as one or the other not both.



Fixed Speed Cameras Located I-380 between mm 19-22							
By Crash Type							
	Year	Number of Crashes	Non Collision	Rear-End	SideSwipe	Other	Unknown
Pre-Camera Data	2007	54	20	13	16	2	2
	2008	67	25	13	20	5	4
	2009	69	19	15	18	13	4
	2010	23	12	3	5	0	0
Post-Camera Data	2010	12	3	2	5	2	0
	2011	32	10	8	10	4	0
	2012	36	14	16	5	0	1
	2013	38	10	11	15	2	0
	2014	46	24	10	9	3	0



Intersection Crash Data:

Intersection: 1st Ave and 10th St East						
Year	Number of Crashes	Injury Crashes	Property Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2008	10	2	8	See Attached Diagrams	NA	NA
2009	15	2	13		NA	NA
2010*	6	1	5		NA	NA
2011	4	0	4		293	491
2012	12	0	12		541	374
2013	9	2	7		412	663
2014	13	3	10		696	1252
Camera Installed 3/14/2010						

Corresponding crash diagrams provided by the City of Cedar Rapids Traffic Engineering Department



Intersection: 1st Ave and L St West						
Year	Number of Crashes	Injury Crashes	Property Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2008	19	4	15	See Attached Diagrams	NA	NA
2009	11	2	9		NA	NA
2010*	20	3	17		NA	NA
2011	10	1	9		400	476
2012	6	1	5		929	578
2013	9	3	6		647	586
2014	8	2	6		428	561
Camera Installed 6/1/2010						

Corresponding crash diagrams provided by the City of Cedar Rapids Traffic Engineering Department



Intersection: Williams and 16th SW						
Year	Number of Crashes	Injury Crashes	Property Crashes	Crash Types	RLR Violations Issued	Speed Violations Issued
2008	13	3	10	See Attached Diagrams	NA	NA
2009	14	6	8		NA	NA
2010*	8	3	5		NA	NA
2011	6	1	5		425	1107
2012	7	0	7		509	1101
2013	5	0	5		637	1322
2014	6	0	6		379	985
Camera Installed 12/18/2010						

Corresponding crash diagrams provided by the City of Cedar Rapids Traffic Engineering Department



Citation Totals I-380					
	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	
Diagonal Dr SW NB	9190	10109	4218	8249	
J Ave. NE	36775	35327	36069	39402	
J Ave. SB	44775	38052	44529	56650	
1st Ave West Ramp SB	1226	986	1234	770	