

Chicago Automated Speed Enforcement Camera Before and After Safety Impact Analysis

As of September 30, 2018 the City of Chicago has 162 automated speed enforcement cameras deployed with 86 cameras enforcing speed in one direction of traffic, and 64 cameras enforcing speed in both directions of traffic. For this analysis, two single direction enforcement cameras located in close proximity of each other were analyzed singularly for consistency. A total of 107 locations were analyzed using the crash data provided by the Illinois Department of Transportation that was related to the 150 deployed automated enforcement cameras. 12 automated speed enforcement cameras (see table below) were activated in 2018. These 12 cameras are not part of this analysis, due to after camera installation crash data not being available for analysis.

The basis of this analysis is to understand how traffic safety has changed around the automated speed cameras before and after the camera installation. Crashes within one eighth mile radius (660 feet) of the camera were used in this safety analysis. The majority of the automated speed enforcement cameras were installed during the 2013 and 2014 calendar years. For this analysis the 2012-2013 crash data was considered the before installation period and 2015-2016 crash data was analyzed as the after installation period. This analysis is intended to comply with State Statute (625 ILCS 5/11 -208.8) (r).

Results

- Fatal or serious injury crashes decreased 9% near speed cameras, compared to 6% increase citywide.
- Overall crashes have increased 1% in the automated speed enforcement locations compared to a 21% increase in crashes citywide from 2012-13 to 2014-16 period.

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Speed Camera	Total Crashes	Serious Fatal	Bicycle Pedestrian	Speed Related	Youth Related
2012-2013	6974	1424	483	695	470
2015-2016	7049	1299	411	725	464
% Change	1%	-9%	-15%	4%	-1%
City Wide	Total Crashes	Serious Fatal	Bicycle Pedestrian	Speed Related	Youth Related
2012-2013	137218	27001	8677	13114	9011
2015-2016	165824	28718	8897	18508	10577
%Change	21%	6%	3%	41%	17%

* The speed camera zone is 660 feet radius of the camera

Note: There are 150 speed cameras, included in this analysis. 86 cameras enforce speed in one direction only and 64 cameras enforce two directions of traffic. For these analysis' two single direction enforcement cameras facing opposite directions at singular location was analyzed as bi-directional. Seven ASE cameras included in this analysis were activated in 2015 (CHI144, CHI157, CHI159, CHI161, CHI64, CHI166, and CHI167) and are denoted with an *. 12 automated speed enforcement cameras (see table below) were activated in 2018. These 12 cameras are not part of this analysis.

Automated Speed Enforcement Camera Before and After Safety Impact Analysis

No	Camera_ID	Address	Safety Zone	2012-2013					2015-2016				
				Total Crashes	Serious Fatal	Bicycle Pedestrian	Speed Related	Youth Related	Total Crashes	Serious Fatal	Bicycle Pedestrian	Speed Related	Youth Related
1	CHI003	4124 W Foster Ave	Gompers Park Speed Camera EB WB	15	4	3	1	0	14	2	1	3	1
2	CHI004	5120 N Pulaski Rd	Gompers Park Speed Camera NB SB	86	16	1	4	6	67	12	3	3	4
3	CHI005	2080 W Pershing Rd	McKinley Park Speed Camera EB WB	13	1	0	1	1	27	3	0	4	4
4	CHI007	3843 S Western Blvd	McKinley Park Speed Camera NB SB	118	27	2	13	9	128	27	3	21	17
5	CHI008	3655 W Jackson Blvd	Garfield Park Speed Camera EB WB	3	1	0	0	0	0	0	0	0	0
6	CHI009	3646 W Madison St	Garfield Park Speed Camera EB WB	2	2	0	1	0	14	4	1	1	2
7	CHI010	1111 N Humboldt Blvd	Humboldt Park Speed Camera NB SB	33	9	2	0	4	37	8	1	3	4
8	CHI011	3100 W Augusta Blvd	Humboldt Park Speed Camera EB WB	11	2	1	3	0	16	4	1	4	0
9	CHI013	5330 Cottage Grove	Washington Park Speed Camera NB SB	25	7	2	1	1	21	3	0	3	1
10	CHI014 CHI018	6909 S Kedzie Ave 6818 S Kedzie A	Marquette Park Speed Camera NB SB	2	0	0	1	0	2	0	0	0	0
11	CHI015	3450 W 71ST ST	Marquette Park Speed Camera EB WB	7	0	0	0	1	16	2	1	3	2
12	CHI019 CHI020	2917 W Roosevelt 2912 W Roosev	Douglas Park Speed Camera EB WB	33	9	5	2	5	40	14	6	4	2
13	CHI021	2900 W Ogden Ave	Douglas Park Speed Camera EB WB	2	0	0	0	0	2	0	0	0	0
14	CHI022 CHI023	11153 S Vincennes 11144 S Vince	Morgan Park Speed Camera SB NB	60	12	5	3	9	77	20	4	7	5
15	CHI024	3137 W Peterson	Legion Park Speed Camera EB WB	122	22	7	6	8	108	24	3	9	3
16	CHI025	3034 W Foster Ave	Legion Park Speed Camera EB WB	22	5	1	3	3	13	0	0	1	0
17	CHI026 CHI027	3521 N Western 3534 N Western	Lane Tech HS Speed Camera NB SB	137	31	11	7	12	128	28	5	7	10
18	CHI028	2549 W Addison	Lane Tech HS Speed Camera EB WB	11	2	1	0	1	19	2	1	0	1
19	CHI029	536 E Morgan Dr	Washington Park Speed Camera EB WB	8	1	0	2	0	13	2	0	0	2
20	CHI030 CHI031	4929 S Pulaski 5030 S Pulaski	Curie HS Speed Camera NB SB	193	43	10	33	17	129	11	4	25	14
21	CHI032	4925 S Archer	Curie HS Speed Camera NEB SWB	31	4	1	3	1	35	4	1	6	1
22	CHI033 CHI034	629 State St 630 State St	Jones HS Speed Camera NB SB	180	49	23	18	9	229	37	14	27	8
23	CHI035 CHI036	57 E 95th St 62 E 95th St	Abbott Park Speed Camera WB EB	39	5	1	5	4	50	13	2	9	3
24	CHI039 CHI040	6247 W Fullerton 6250 W Fullerto	Riis Park Speed Camera EB WB	27	3	1	1	1	29	4	0	2	0
25	CHI041 CHI042	5509 W Fullerton 5446 W Fullerto	Charles Prosser School Speed Camera EB WB	30	3	1	0	2	19	4	2	2	1
26	CHI043	5440 W Grand	Charles Prosser School Speed Camera EB WB	11	4	1	1	1	19	4	2	2	1
27	CHI044	4843 W Fullerton	St. Genevieve School Speed Camera EB WB	172	26	9	15	17	185	23	5	16	15
28	CHI045	445 W 127th St	Major Taylor Bike Park Speed Camera EB WB	8	3	1	1	1	10	1	0	3	1
29	CHI048	3843 W 111th	Chicago Agricultural HS Speed Camera EB WB	7	1	0	0	2	16	1	0	3	3
30	CHI049	4123 N Central Ave	Portage Park Speed Camera NB SB	94	19	9	12	4	78	8	3	6	10
31	CHI050	5454 W Irving Park	Portage Park Speed Camera EB WB	31	2	1	4	1	30	2	0	4	3
32	CHI051	6523 N Western	Warren Park Speed Camera NB SB	60	4	2	4	6	58	8	1	7	4
33	CHI055 CHI094	4433 N Western 4436 N Western	Welles Park Speed Camera NB SB	99	21	6	12	7	79	11	5	5	4
34	CHI056	4432 N Lincoln	Welles Park Speed Camera NB SB	33	8	4	3	0	79	11	5	5	4
35	CHI057 CHI130	515 S Central Ave 506 S Central A	Columbus Park Speed Camera NB SB	69	14	4	8	6	81	17	4	17	3
36	CHI058	5816 W Jackson	Columbus Park Speed Camera EB WB	6	0	0	1	0	10	2	1	3	0
37	CHI059 CHI060	5433 S Pulaski 5428 S Pulaski	John Hancock HS Speed Camera NB SB	177	32	6	24	12	213	33	7	23	19
38	CHI061 CHI062	4045 W 55th 4040 W 55th	John Hancock HS Speed Camera EB WB	152	24	6	22	10	149	20	3	20	11
39	CHI063	7518 S Vincennes	Harvard Elementary Speed Camera NB SB	59	23	7	8	3	78	13	3	9	9
40	CHI064 CHI065	7739 S Western 7738 S Western	St Rita HS Speed Camera NB SB	39	7	1	4	6	22	2	2	1	1
41	CHI067 CHI066	2550 W 79th 2603 W 79th	St Rita HS Speed Camera WB EB	16	7	0	2	1	30	6	0	3	3

42	CHI068 CHI069	5529 S Western 5520 S Western	Gage Park Speed Camera SB NB	104	20	3	14	8	123	19	9	13	12
43	CHI070	2513 W 55th St	Gage Park Speed Camera EB WB	22	2	1	2	3	32	7	4	4	3
44	CHI071 CHI072	7833 S Pulaski Rd 7826 S Pulaski R	Bogan HS Speed Camera NB SB	123	32	5	17	9	101	17	4	15	13
45	CHI073 CHI074	3851 W 79th St 3832 W 79th St	Bogan HS Speed Camera WB EB	26	8	2	4	4	29	5	0	2	3
46	CHI075 CHI076	141 N Ashland 140 N Ashland	Union Park Speed Camera NB SB	77	14	4	9	2	39	12	2	5	2
47	CHI077	115 N Ogden	Union Park Speed Camera NB SB	26	7	2	2	1	39	12	2	5	2
48	CHI078	2721 W Montrose	Horner Park Speed Camera EB WB	42	12	6	2	4	33	7	4	0	3
49	CHI079 CHI080	2705 W Irving Park 2712 W Irving	Horner Park Speed Camera EB WB	53	19	7	4	6	33	7	4	0	3
50	CHI083	6226 W Irving Park Rd	Merrimac Park Speed Camera EB WB	42	7	3	6	2	55	9	6	5	2
51	CHI086	4620 W Belmont	Parsons Park Speed Camera EB WB	55	10	1	6	2	59	6	2	3	4
52	CHI087	3230 N Milwaukee Ave	Lorca School Speed Camera NB SB	101	14	4	7	4	74	11	4	8	4
53	CHI088 CHI089	3809 W Belmont ave 3810 W Bel	Lorca School Speed Camera EB WB	107	21	9	13	4	85	18	9	7	7
54	CHI090	2448 N Clybourn Ave	Schaefer Park Speed Camera NB SB	63	9	2	6	4	82	16	8	3	4
55	CHI091 CHI092	2443 N Ashland 2432 N Ashland	Schaefer Park Speed Camera SB NB	161	26	4	11	6	150	18	4	13	3
56	CHI093	5885 N Ridge Ave	Senn Park Speed Camera NB SB	113	27	11	11	4	89	26	4	9	2
57	CHI095	1142 W Irving Park	Challenger Park Speed Camera EB WB	11	5	1	1	0	12	4	2	2	0
58	CHI096 CHI097	4429 N Broadway 4446 N Broadw	Challenger Park Speed Camera NB SB	94	17	13	1	1	106	18	6	7	3
59	CHI099 CHI098	2440 W 51st St 2445 W 51st St	Christopher School Speed Camera WB EB	51	4	0	5	3	80	9	0	7	6
60	CHI100	5025 S Western	Christopher School Speed Camera NB SB	101	17	3	9	4	109	25	2	14	11
61	CHI101	7422 S Jeffery	Rosenblum Park Speed Camera NB SB	61	13	4	10	6	61	13	2	8	5
62	CHI102	5471 W Higgins	Jefferson Park Speed Camera EB WB	76	14	9	7	6	48	7	4	5	3
63	CHI103	5432 W Lawrence	Jefferson Park Speed Camera EB WB	40	5	4	3	3	48	7	4	5	3
64	CHI104 CHI132	3115 N Narragansett 3116 N Narr	Icci Academy School Speed Camera NB SB	81	15	10	3	5	75	12	6	10	7
65	CHI105 CHI106	6443 W Belmont 6514 W Belmont	Icci Academy School Speed Camera EB WB	26	7	1	1	4	43	8	4	3	3
66	CHI107 CHI108	4041 W Chicago Ave 4040 W Chic	Orr HS Speed Camera EB WB	110	31	11	13	7	91	21	7	13	6
67	CHI109	732 N Pulaski Rd	Orr HS Speed Camera NB SB	126	43	13	14	12	103	29	7	13	6
68	CHI110 CHI111	2335 W Cermak Rd 2326 W Cerm	Pickard School Speed Camera EB WB	116	20	3	14	9	120	23	9	8	9
69	CHI112 CHI113	1635 N Ashland 1638 N Ashland	Burr School Speed Camera NB SB	155	27	7	12	4	138	18	7	11	9
70	CHI114	6125 N Cicero Ave	Sauganash School Speed Camera EB WB	29	4	0	2	3	23	5	0	2	2
71	CHI115 CHI116	4707 W Peterson Ave 4674 W Pet	Sauganash School Speed Camera WB EB	35	7	0	5	3	23	4	0	2	1
72	CHI117	2928 S Halsted	McGuane Park Speed Camera NB SB	35	10	5	2	4	42	5	2	5	1
73	CHI118	5420 S Racine	Sherman Park Speed Camera NB SB	38	8	0	4	3	27	8	2	5	2
74	CHI119 CHI121	1334 W Garfield Blvd 1315 W Gar	Sherman Park Speed Camera WB EB	23	2	0	6	4	20	3	0	2	0
75	CHI120	10318 S Indianapolis	John Beniac-Park 499 Speed Camera NB SB	19	5	0	5	1	20	4	2	5	1
76	CHI122	3047 W Jackson Blvd	Horan Park Speed Camera EB WB	29	4	2	3	4	34	4	2	2	3
77	CHI123	324 S Kedzie Ave	Horan Park Speed Camera NB SB	47	12	5	4	3	57	15	6	10	4
78	CHI124 CHI125	449 N Columbus Dr 450 N Columb	Ogden Plaza Park Speed Cameras NB SB	97	20	11	5	1	139	27	12	10	2
79	CHI126	324 E Illinois St	Ogden Plaza Park Speed Camera EB	143	29	19	6	1	188	33	15	13	4
80	CHI128 CHI127	1226 Western 1229 Western	Roberto Clemente School Speed Camera SB NB	72	16	8	6	1	62	15	7	6	3
81	CHI129	2329 Division	Roberto Clemente School Speed Camera EB WB	80	15	8	6	2	61	13	4	6	3
82	CHI131	18 W Superior St	Francis Xavier School Speed Camera EB	146	32	20	13	7	160	30	21	6	4
83	CHI133 CHI139	19 W Chicago Ave 14 W Chicago A	Francis Xavier School Speed Camera EB WB	130	25	15	11	7	141	26	20	3	3
84	CHI134 CHI135	2115 S Western Ave 2108 S West	Pickard School Speed Camera NB SB	99	17	5	12	9	124	24	9	12	10
85	CHI136 CHI137	346 W 76th St 341 W 76th St	Harvard School Speed Camera WB EB	73	21	4	9	6	76	11	3	9	7
86	CHI138	1901 E 75th St	Rosenblum Park Speed Camera EB WB	11	3	1	0	1	12	2	1	0	0
87	CHI140 CHI141	3535 E 95th St 3542 E 95th St	Calumet Park Speed Camera EB WB	61	13	2	4	4	47	15	3	2	7
88	CHI142	9618 S Ewing Ave	Calumet Park Speed Camera NB SB	27	10	1	3	2	22	6	1	2	1

89	CHI143	1440 W Cermak Rd	Benito Juarez High School Speed Camera WB EB	24	6	2	7	2	31	9	2	3	5
90	CHI144*	3200 S Archer Ave	Mulberry Park Speed Camera EB WB	19	1	1	1	1	38	8	5	5	0
91	CHI145	2109 E 87th St	Chicago Vocational HS Speed Camera EB WB	14	4	2	2	2	9	1	0	0	1
92	CHI146	215 E 63rd St	Dulles Elementary School Speed Camera EB WB	25	4	1	4	2	26	9	1	2	1
93	CHI147	4831 W Lawrence Ave	Ashmore Park Speed Camera EB WB	146	21	3	18	9	97	16	4	9	2
94	CHI148	6330 S Martin Luther King Dr	Dulles Elementary School Speed Camera NB SB	106	37	14	16	12	97	30	8	13	8
95	CHI149	4909 N Cicero Ave	Ashmore ParK Speed Camera NB SB	19	2	0	1	0	28	1	1	5	2
96	CHI154 CHI165	2416 W 103rd St 2417 W 103rd St	Beverly Park Speed Camera WB EB	85	13	1	5	15	83	12	2	8	7
97	CHI156	5739 N Northwest Hwy	Taft High School Speed Camera NB SB	78	9	5	9	12	84	16	4	9	10
98	CHI157*	1754 N Pulaski Rd	Keystone Park Speed Camera SB	45	12	5	4	3	47	16	7	6	4
99	CHI158	6510 W Bryn Mawr Ave	Taft High School Speed Camera WB	14	2	2	5	5	7	1	0	1	0
100	CHI159* CHI161*	4053 W North Ave 4042 W North	Keystone Park Speed Camera EB WB	113	28	6	12	5	99	18	7	9	7
101	CHI160	4042 W Roosevelt Rd	Frazier Magnet School Speed Camera EB WB	96	20	9	7	3	90	27	6	13	8
102	CHI162 CHI163	1117 S Pulaski Rd 1110 S Pulaski Rd	Frazier Magnet School Speed Camera NB SB	111	26	12	8	4	100	29	6	17	7
103	CHI164*	5532 S Kedzie Ave	St. Gall Elementary School Speed Camera NB SB	113	18	5	14	9	146	20	8	15	9
104	CHI166* CHI167*	3217 W 55th St 3212 W 55th St	St. Gall Elementary School Speed Camera EB WB	140	22	8	19	8	161	21	8	14	13
105	CHI169 CHI168	8318 S Ashland Ave 8345 S Ashland	Foster Park Speed Camera SB NB	90	18	4	9	9	82	18	4	8	2
106	CHI170	1507 W 83rd St	Foster Park Speed Camera EB WB	17	3	1	0	0	15	4	0	0	0
107	CHI171 CHI172	3111 N Ashland Ave 3130 N Ashland	Burley Elementary School Speed Camera NB EB	119	26	18	12	5	104	19	8	17	6
Total				6974	1424	483	695	470	7049	1299	411	725	464

2018 new cameras

No	Camera_ID	Address	Safety Zone
1	CHI173	5006 S Western Blvd	Christopher School Speed Camera NB SB
2	CHI174	8020 W Forest Preserve Ave	Hiawatha Park Speed Camera EB WB
3	CHI175	8043 W Addison St	Hiawatha Park Speed Camera EB
4	CHI176	8006 W Addison St	Hiawatha Park Speed Camera WB
5	CHI177	3911 W Diversey Ave	Kosciuszko Park Speed Camera EB WB
6	CHI178	4319 W 47th St	Acero Major Hector Garcia HS Speed Camera EB
7	CHI179	4246 W 47th St	Acero Major Hector Garcia HS Speed Camera WB
8	CHI180	7157 S South Chicago Ave	Gary Comer HS Speed Camera NWB
9	CHI181	819 E 71st St	Gary Comer HS Speed Camera EB WB
10	CHI182	1455 W Division St	North Montessori School Speed Camera EB
11	CHI183	1444 W Division St	North Montessori School Speed Camera WB
12	CHI184	7122 S South Chicago Ave	Gary Comer HS Speed Camera SEB

Total Speed Camera for 2018

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