### **ARCHIVED - Archiving Content**

### **Archived Content**

Information identified as archived is provided for reference, research or recordkeeping purposes. It is not subject to the Government of Canada Web Standards and has not been altered or updated since it was archived. Please contact us to request a format other than those available.

#### ARCHIVÉE - Contenu archivé

### Contenu archivé

L'information dont il est indiqué qu'elle est archivée est fournie à des fins de référence, de recherche ou de tenue de documents. Elle n'est pas assujettie aux normes Web du gouvernement du Canada et elle n'a pas été modifiée ou mise à jour depuis son archivage. Pour obtenir cette information dans un autre format, veuillez communiquer avec nous.

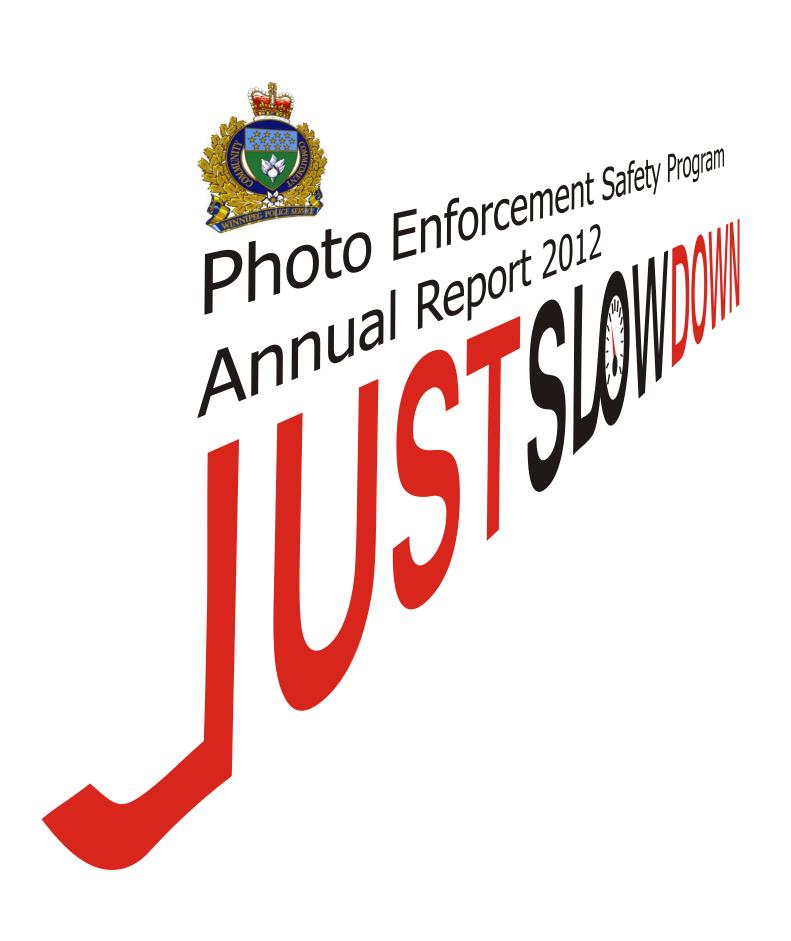
This document is archival in nature and is intended for those who wish to consult archival documents made available from the collection of Public Safety Canada.

Some of these documents are available in only one official language. Translation, to be provided by Public Safety Canada, is available upon request.

Le présent document a une valeur archivistique et fait partie des documents d'archives rendus disponibles par Sécurité publique Canada à ceux qui souhaitent consulter ces documents issus de sa collection.

Certains de ces documents ne sont disponibles que dans une langue officielle. Sécurité publique Canada fournira une traduction sur demande.







## **Executive Summary**

## Photo Enforcement Safety Program 2012 Annual Report

The City of Winnipeg Photo Enforcement Safety Program was established in 2003 to augment conventional enforcement for the purpose of enhancing traffic safety. This program has shown itself to be operationally efficient and effective. This is the 9<sup>th</sup> annual report highlighting the operation of this program.

#### Highlights for 2012

The number of Intersection Safety Camera (ISC) locations remained at 50. A total of 33 cameras were rotated through these locations. The rotation is based on statistical data which identifies locations shown to have consistently recorded a high rate of unsafe driving behaviour. In 2012 a total of 8,331 red light offences and 27,558 speeding offences were captured by Intersection Safety Cameras at all locations. Reflected in these totals is a 61.75% reduction in speeding offences compared to 2003. Over 2011 totals a slight decrease of 14.6% in ISC violations was noted. Figures are still lower than 2003 at which time there were only 24 Intersection Safety Cameras in use.

Mobile Photo Radar recorded 10,681,427 vehicles of which 45,735 were in violation. This represents .428% of vehicles in violation.

The WPS continued to dedicate resources to the enforcement of construction zones aimed at decreasing the danger to both the motoring public as well as the workers within these zones. In 2012 there was one long term large construction zone, permanently signed for reduced speeds at all times. A reflected decrease in violations within these zones is indicative of the increased public awareness of excessive speed. The Manitoba Heavy Construction Association once again endorsed the efforts of educating the public to the dangers of excessive speed within construction zones through a WPS media release followed by sustained enforcement aimed at promoting safe driving practices to achieve compliance. The WPS continued its enforcement and deterrent efforts within school and playground zones throughout the year.

In 2012 the Province of Manitoba introduced amendments to the Image Capturing Enforcement Regulations allowing for the use of digital technology.

November 2012 marked the expiration of the City's current Photo Enforcement contract. As such the City of Winnipeg issued a Request for Proposals for qualifying companies that would see the Photo Enforcement Program move into the age of digital technology.



On December 31, 2012, following the completion of this process, the City of Winnipeg and ACS Public Sector Solutions Inc. (a Xerox Company) signed a contract for the continuation of the Photo Enforcement program set to expire in May of 2020

The WPS continued its relationship with Picante Advertising, which had developed the educational program known as "Just Slow Down". For 2012 the campaign featured the release of new television spots, bus backs, electronic bill boards, as well as updates to the dedicated website to inform and educate the public about the dangers and consequences of excessive speed.

### Reason For The Report

The 2012 Annual Report on the Photo Enforcement Program is submitted to the Province of Manitoba under the Conditions of Authority agreement between the City of Winnipeg and the Province of Manitoba regarding Image Capturing Enforcement Systems.

This report presents the status and effectiveness of photo enforcement by providing an historical overview of the program in Winnipeg and mandatory statistical data as outlined in the agreement.

### Program Goal

The Photo Enforcement Program goal is to reduce collisions and injuries by reducing red-light running and speeding.

### History Of Photo Enforcement In Winnipeg

On October 19, 2001 the Winnipeg Police Service began a six-month pilot project of photo enforcement technology. A single Intersection Safety Camera was installed at Sherbrook Street and Broadway. This intersection was chosen due to its comparatively high rate of collisions versus the traffic volumes.

The Highway Traffic Amendment and Summary Convictions Amendment Act was passed into Legislation on May 22, 2002, which proposed authority for the use of a Photo Enforcement Program in Manitoba.

On January 6, 2003, a two month warning phase of the Photo Enforcement Program at the city's 12 Intersection Safety Camera locations concluded, with over 15,000 violations noted.

On January 7, 2003, the Winnipeg Police Service began issuing tickets for speeding and red light offences at the 12 Intersection Safety Camera locations that were being tested during the fall of 2002. Mobile photo radar units are deployed in school, playground and construction zones.

Twelve new Intersection Safety Cameras (ISC) were added to the program in August 2003. An additional 12 Intersection Safety Cameras were added in 2004 and again in 2005 bringing the total to 48 locations with 30 cameras being rotated through these sites.

In March 2006, the photo enforcement contract was re-negotiated to bring the total number of mobile photo radar (PR) units from 5 to 10. The number of Intersection Safety Camera locations remained at 48 as the renegotiation removed the original requirement for installation of an additional twelve locations.

Resulting from the effective success both statistically and by way of public acceptance of this very important road safety initiative, the City of Winnipeg committed to continuing the program for a further 60 months. After a lengthy Request For Proposal and evaluation process in 2007, the new photo enforcement contract was awarded to ACS Public Sector Solutions

In 2009 The City of Winnipeg Police Service contracted with The Traffic Injury Research Foundation to conduct an evaluation of the City of Winnipeg Photo Enforcement Program. In conjuntion with this program four additional ISC locations were established. Two locations late in 2009 followed by two in early 2010.



## History Of Photo Enforcement In Winnipeg

In 2012 the Province of Manitoba introduced amendments to the Image Capturing Enforcement Regulations allowing for the use of digital technology.

November 2012 marked the expiration of the City's current Photo Enforcement contract. As such the City of Winnipeg issued a Request for Proposals for qualifying companies that would see the Photo Enforcement Program move into the age of digital technology.

On December 31, 2012, following the completion of this process, the City of Winnipeg and ACS Public Sector Solutions Inc. (a Xerox Company) signed a contract for the continuation of the Photo Enforcement program through May of 2020.

In January 2013 the Photo Enforcement Program commenced with the upgrade to digital technology with the introduction of photo laser speed enforcement systems. These units were added to compliment the full digital upgrade of all intersection safety camera and mobile photo radar units.

### Revenues & Expenses

For the year 2012, the Winnipeg Police Service reported the Photo Enforcement Program revenues as \$8,619,966.

For the year 2012, the total expenses for the Photo Enforcement Program were \$5,462,526. representing;

- the salaries and benefits of the Winnipeg Police Service members assigned to work on the Photo Enforcement program on a full time basis (7.89 %)
  - the cost of working with outside contractors on enforcement (ACS and operators) (91.62 %)
  - miscellaneous expenses, including training, associated with operating the program (.49%)

This represents a surplus of \$3,157,440. As the Photo Enforcement program is part of the Winnipeg Police Service, any net surplus is incorporated into the overall budget to fund other policing activities.

(statistics and information supplied by WPS Finance Division)

### Program Outputs

#### Designated Intersection Safety Camera locations as of Dec 31, 2012

Provencher Blvd. EB @ Aulneau St. Marion St. EB @ Dufresne Av. Talbot Av. EB @ Watt St. Hespeler Av. EB @ Beatrice St. Henderson Hwy.SB @ Kimberly Av. Inkster Blvd. WB @ Airlies St. Salter St. SB @ Mountain Av. Isabel St. NB @ William Av. Balmoral St. NB @ Sargent Av. Jubilee Av. WB @ Cockburn St. Academy Rd. WB @ Oak St. Moray St. NB @ Lodge Av. Ness Av. WB @ Whytewold Rd. Century St. NB @ Silver Av. Sargent Av EB @ Clifton St. Keewatin St. NB @ Selkirk Av

Erin St. SB @ Sargent Av. Leila Av. WB @ Sinclair St. Kenaston Blvd. SB @ Corydon Av. Donald St. SB @ Broadway Av. Archibald St. SB @ Elizabeth Rd. Regent Av. W WB @ Owen St. Pembina Hwy. NB @ Bairdmore Blvd. Portage Av. EB @ Cavalier Dr. Main St. SB @ Redwood Av. McPhillips St. SB @ Redwood Av. Notre Dame Av. WB @ Sherbrook St. Grant Av. WB @ Wilton St. Ellice Av. WB @ St. James St. Panet Rd. SB @ Munroe Av. Portage Av. WB @ Mount Royal Rd. Disraeli Fwy. NB @ Lily St. St Mary's Rd. NB @ Warde Av.

St. Anne's Rd. NB @ Meadowood Dr. Dunkirk Dr. NB @ St. Vital Rd. Regent Av. W EB @ Madeline St. Pembina Hwy. NB @ Grant Av. Main St. NB @ Logan Av. Portage Av. EB @ Dominion St. Main St. NB @ Inkster Blvd. Henderson Hwy. NB @ Gilmore Av. Bishop Grandin Blvd. WB @ River Rd. Grant Av. EB @ William R. Clement Pkwy. York Av. EB @ Fort St. Lagimodiere Blvd. SB @ Grassie Blvd. Fermor Av. WB @ St. Mary's Rd. St. James St. SB @ Ness Av. McPhillips St. SB @ Jefferson Av. Academy Rd. EB @Stafford St. Pembina Hwy. SB @ Chevrier Blvd.

### Deployment Criteria

## Mobile Photo Radar Units (restricted by Provincial Legislation)

- School zones
- ► Playground zones
- ➤ Construction zones

#### Intersection Safety Cameras

(criteria established by Winnipeg Police Service)

- Collision data
- Speed data
- ➤ Public input
- Technical ability to install at particular location
- ➤ Distribution throughout Winnipeg



## General Statistics

## Hours of Operation

#### **Mobile Photo Radar Units**

- ▶ Between 0700 hours and 2100 hours, seven days a week
- ➤ Time deployed at each location varies daily

#### **Intersection Safety Cameras**

➤ 24 hours a day, seven days a week

_				C	$\sim$ .
	<i>-</i>	0+0	H	to ma a ma a mat	tatiotica
	- 11	oto .	1.11	torcement	Manghe

2009	2010	2011	2012
66,383 34,611 9,664	48,043 38,779 9,772	44,141 32,304 8,490	45,735 27,558 8,331
102,649	94,532	84,137	80,763
6	9	9	9
608	354	435	523
7,255	1,510	255	243
139	101	84	85
	66,383 34,611 9,664 102,649 6 608 7,255	66,383 34,611 9,664 38,779 9,772 102,649 6 6 6 9 48,043 38,779 9,772 102,649 6 7,255 1,510	66,383       48,043       44,141         34,611       38,779       32,304         9,664       9,772       8,490         102,649       94,532       84,137         6       9       9         608       354       435         7,255       1,510       255

#### Offence Notices Issued by Conventional Means

<b>&gt;</b>	Speeding	23,095	25,776	27,104
<b>&gt;</b>	Red Light	895	672	700
>	Stop Sign	3,423	3,010	4,487
>	Disobey Traffic Control Device (other)	8,663	10,087	11,306

2010

2011

2012

<sup>(</sup> Clearance Status and Conventional Means statistics provided by Manitoba Justice - Courts)



## **Intersection Safety Cameras**

This table represents the total number of offence notices issued at Intersection Safety Camera locations. What is significant is the fact that in 2003 there were only 24 intersections monitored by this equipment. A total of 50 locations with 33 cameras presently exist for 2012 however, a reduction of over 61.7% is attained, relative to speeding offences. There was an overall decrease of 52.7% which includes speeding and red light offences.

	Number	Number of tickets Issued					Pe	rcent of	total tick	ets issu	∍d			
	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
Speed	2003	2007	2008	2009	2010	2011	2012	2003	2007	2008	2009	2010	2011	2012
Subtotal 10-14	49,097	36,387	42,898	31,125	25,071	22,327	22,856	47.6%	48.9%	36.1%	46.9%	52.2%	50.6%	50.0%
Subtotal 15-19	42,094	29,719	48,567	26,991	18,645	17,314	18,165	40.8%	39.9%	40.9%	40.7%	38.8%	39.2%	39.7%
Subtotal 20-34	11,526	8,074	26,207	8,060	4,208	4,385	4,558	11.2%	10.8%	22.1%	12.1%	8.8%	9.9%	10.0%
Subtotal >34	376	262	1,020	207	119	115	156	0.4%	0.4%	0.9%	0.3%	0.2%	0.3%	0.3%
TOTAL	103,093	74,442	118,692	66,383	48,043	44,141	45,735	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	ISC	ISC	ISC	ISC	ISC	ISC	ISC	ISC	ISC	ISC	ISC	ISC	ISC	ISC
Speed	2003	2007	2008	2009	2010	2011	2012	2003	2007	2008	2009	2010	2011	2012
Subtotal 10-14	27,037	23,558	17,305	15,913	17,707	14,505	13,195	37.5%	46.4%	44.8%	46.0%	45.7%	44.9%	47.9%
Subtotal 15-19	35,321	21,958	17,289	15,049	17,008	14,459	11,702	49.0%	43.2%	44.8%	43.5%	43.9%	44.8%	42.5%
Subtotal 20-34	9,335	5,058	3,853	3,486	3,888	3,203	2,491	13.0%	10.0%	10.0%	10.1%	10.0%	9.9%	9.0%
Subtotal >34	355	241	173	163	176	137	170	0.5%	0.5%	0.4%	0.5%	0.5%	0.4%	0.6%
TOTAL	72,048	50,815	38,620	34,611	38,779	32,304	27,558	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
RED LIGHT	3,935	11,400	10,257	9,664	9,772	8,490	8,331							
TOTAL TICKET	2003	2007	2008	2009	2010	2011	2012							
PR/SOG/RL	179,076	136,657	167,569	110,658	96,594	84,935	81,624							

The majority of offences at Intersection Safety Camera locations at the beginning of the program was in the 15-19 kph area. Presently, the majority is in the 10-19 kph area, with a total of 2.4 offences captured per camera per day of operation. This represents a constant decrease since 2003.

ISC Speed (camera/day)	2003	2004	2005	2006	2007	2008	2009	2010	2011	2,012
10-14	4.7	3.4	2.4	2.9	2.3	1.6	1.3	1.6	1.2	1.1
15-19	6.1	3.6	2.5	2.8	2.1	1.6	1.2	1.5	1.2	1.0
20-34	1.6	0.9	0.6	0.7	0.5	0.4	0.3	0.3	0.3	0.2
>34	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	12.4	7.9	5.6	6.4	4.9	3.5	2.9	3.4	2.8	2.4

Due to limited space, 2004-2006 statistics on issued/percent omitted. Information is available in respective reports)

## Photo Enforcement Statistics

This table indicates the change of ticket issuance by percentage at the original 12 and remaining 38 active Intersection Safety Camera locations set up thereafter from 2003 to 2012 inclusive. The significant reductions indicate the program is effectively reducing red light and speeding offences.

	Tick	cets Issued by ISC - ALL			Tickets	Issued								% change	Tickets iss	sued per day	of enforceme	nt				
Dist	Loc	Location Description	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL	after 1st full year	% change 2nd full year	% change after 3rd full year	% change after 4th full vear	% change after 5th full vear	% change after 6th full year	% change after 7th full vear	% change after 8th full vear	% change after 9th full year
First 1	2													year	ziiu iuii yeai	Sid idii yeai	401 Iuli year	Jul luli year	our full year	rui iuli yeal	our full year	our full year
	801	Sherbrook St. NB @ Broadway	704	319	169	112	4	0	0	0	0	0	1,308	-47.8%	-50.9%	-51.4%	-74.8%	n/a	n/a	n/a	n/a	n/a
	802	Provencher Blvd. EB @ Aulneau St.	4,909	2,012	1,513	1,423	433	1310	797	721	694	411	14,223	-56.0%	-60.1%	-61.4%	-82.4%	-74.1%	-81.4%	-81.1%	-85.4%	-58.3%
	803	Marion Street EB @ Dufresne Ave	3,886	1,544	861	334	211	561	655	425	399	1082	9,958	-57.6%	-71.3%	-77.4%	-79.7%	-65.2%	-76.3%	-80.6%	-73.4%	-21.9%
	804	Talbot Ave. EB @ Watt St.	1,102	490	247	239	77	208	148	118		23	2,694	-50.8%	-67.0%	-64.8%	-62.1%	-69.4%	-61.5%	-73.2%	-79.9%	-51.7%
	805	Hespeler Ave. EB @ Beatrice St.	8,611	2,597	1,597	653	2211	1444	1332	1302		836	21,742	-67.3%	-76.2%	-67.2%	-71.5%	-78.5%	-82.1%	-81.4%	-84.1%	-68.9%
	806 807	Henderson Hwy. SB @ Kimberly Ave.	3,439 4,101	1,052 1,340	651 1.462	246	158 1745	175	580 1707	288 1716		638 801	7,612 17,771	-67.7%	-73.6% -54.5%	-72.6% -42.5%	-68.6% -58.4%	-77.0% -58.1%	-76.8% -59.4%	-81.4% -58.3%	-83.9% -70.0%	-39.2% -36.6%
	808	Inkster Blvd. WB @ Airlies St. Salter St. SB @ Mountain Ave.	1,673	642	317	2,384 260	1745	1297 20	124	1113		137	3,488	-56.9% -60.7%	-73.4%	-42.5% -71.0%	-58.4%	-88.1%	-59.4%	-86.5%	-70.0%	-36.6%
	809	Isabel St. NB @ William Ave.	4.987	2,113	1,513	805	745	1326	927	485		545	14.044	-54.7%	-61.9%	-67.7%	-70.0%	-67.5%	-79.7%	-82.8%	-84.9%	-73.0%
-	810	Jubilee Ave. WB @ Cockburn St.	2.307	627	374	220	0	0	0	0	0.00	1	3,529	-68.8%	-75.5%	-71.1%	n/a	n/a	n/a	n/a	n/a	-83.7%
-	811	Academy Rd. WB @ Oak St.	4,475	1,325	597	609	849	655	219	227	139	210	9,305	-64.4%	-77.9%	-77.3%	-78.2%	-79.7%	-82.6%	-88.4%	-85.7%	-37.8%
	812	Moray St. NB @ Lodge Ave.	3,929	1,808	1,290	1,524	1256	739	937	596	433	641	13,153	-51.1%	-57.9%	-59.8%	-68.2%	-71.3%	-75.9%	-71.9%	-72.3%	-45.0%
Second	12																					
2	813	Ness Ave. WB @ Whytewold Rd.	411	533	323	129	25	0	0	29	104	124	1,678	-56.4%	-68.9%	-75.5%	-62.2%	n/a	n/a	-76.8%	-82.5%	-49.0%
	814	Century St. NB @ Silver Ave.	4,319	795	569	133	128	6	102	109	34	27	6,222	-92.8%	-94.5%	-95.8%	-96.1%	-99.0%	-95.7%	-97.1%	-97.9%	-79.0%
	815	Sargent Ave. EB @ Clifton St.	1,724	2,102	1,728	1,303	1328	1442	1636	1735	1404	1036	15,438	-50.6%	-56.1%	-61.9%	-65.4%	-57.4%	-61.0%	-58.8%	-67.4%	-51.4%
	816	Keewatin St. NB @ Selkirk Ave.	1,242	1,329	1,082	1,148	1016	592	723	620	349	544	8,645	-57.1%	-55.3%	-63.1%	-67.8%	-76.7%	-72.5%	-74.0%	-76.0%	-40.3%
	817	Leila Ave. WB @ Sinclair St.	440	737	399	162	184	94	211	137	149	130	2,643	-33.8%	-50.6%	-57.4%	-52.9%	-66.7%	-51.7%	-72.7%	-68.7%	-33.6%
	818	Kenaston Blvd. SB @ Corydon Ave.	7,418	10,407	6,490	9,643	5712	4270	2238	3464	3491	2807	55,940	-44.7%	-56.9%	-48.7%	-71.2%	-75.4%	-87.4%	-79.9%	-80.9%	-69.7%
	819	Donald St. SB @ Broadway	1,626	2,086	1,823	777	1266	1171	1303	828	993	630	12,503	-52.7%	-51.3%	-55.8%	-63.4%	-70.1%	-69.5%	-75.4%	-76.8%	-54.4%
	820	Archibald St. SB @ Elizabeth Rd.	1,793	1,675	908	820 2.718	894	819	576	243		357 1062	8,319 18,759	-62.0%	-76.0%	-76.3%	-76.4%	-77.3% -78.2%	-84.7% -82.4%	-86.1%	-86.1%	-65.5%
	821 822	Regent Ave. W. WB @ Owen St. St. Mary's Rd. SB @ Warde Ave.	2,575 5,103	3,530 5,306	2,009 2,943	3,464	2233 1467	1392 0	1036	1020	1184	1062	18,759	-47.7% -55.5%	-62.1% -69.5%	-59.5% -71.5%	-67.0% -79.5%	-/8.2% n/a	-82.4% n/a	-80.3% n/a	-79.9% n/a	-66.1% n/a
-	823	Pembina Hwy. NB @ Bairdmore Blvd.	2.813	4.382	2,838	1,109	726	649	1167	295	1486	1640	17,105	-33.7%	-55.1%	-59.1%	-64.3%	-71.8%	-73.8%	-70.7%	-72.9%	-61.9%
-	824	Portage Ave. EB @ Cavalier Dr.	2,396	3,220	1,410	466	1358	983	1200	2017	1015	1002		-48.7%	-73.1%	-73.9%	-71.5%	-82.8%	-71.1%	-64.8%	-82.2%	-68.6%
Third 1		Tortage Ave. ED @ Cavaller Dr.	2,000	0,220	1,410	400	1000	300	1200	2017	1010	1002	10,007	40.770	-70.170	-10.570	-71.070	-02.070	-71.170	-04.070	-OZ.Z 70	-00.070
	825	Main St. SB @ Redwood Ave.		1,036	697	148	218	341	183	169	198	206	3,196	-63.2%	-75.8%	-86.3%	-82.9%	-84.5%	-83.5%	-81.3%	-39.5%	
	826	McPhillips St. SB @ Redwood Ave.		1,073	877	483	191	196	140	183	286	452	3,881	-53.0%	-65.3%	-78.4%	-77.8%	-73.4%	-75.2%	-64.8%	-35.5%	
	827	Notre Dame Ave. WB @ Sherbrook St.		243	225	138	248	379	330	227	313	374	2,477	-44.9%	-49.3%	-40.7%	-28.7%	-37.2%	-28.4%	-34.1%	22.7%	
6	828	Grant Ave. WB @ Wilton St.		6,874	8,924	9,556	6438	5947	4311	4573	4844	2231	53,698	-27.5%	-35.1%	-52.5%	-59.0%	-66.1%	-66.5%	-66.9%	-77.9%	
2	829	Ellice Ave. WB @ St. James St.		2,898	3,252	2,147	2222	2083	1622	813	830	1230	17,097	-43.7%	-65.0%	-66.7%	-69.3%	-75.3%	-79.6%	-81.1%	-64.1%	
	830	Panet Rd. SB @ Munroe Ave.		1,368	988	754	286	847	763	490	585	1022	7,103	-55.1%	-51.8%	-43.9%	-60.2%	-69.7%	-72.4%	-62.9%	-19.1%	
	831	Portage Ave. WB @ Mount Royal Rd.		1,633	2,780	2,145	1829	1587	1364	2657	975	986	15,956	-23.4%	-51.1%	-51.9%	-62.0%	-65.3%	-27.0%	-47.5%	-37.8%	
	832	Disraeli Fwy. NB @ Lily St.		9,674	1,789	778	934	1712	1357	941	247	0	17,432	-94.7%	-95.9%	-95.3%	-96.0%	-96.5%	-97.3%	-98.0%	n/a	
	833	St. Anne's Rd. NB @ Meadowood Dr.		458	944	474	607	711	496	300	210	261	4,461	-8.3%	-34.0%	-35.3%	-46.8%	-43.5%	-46.1%	-57.3%	-51.8%	
	834	Dunkirk Dr. NB @ St. Vital Rd.		699	694	308 1,652	507	476	361	83	151	115 1989	3,394	-50.2% -36.4%	-61.9% -35.9%	-63.7%	-74.6%	-76.3% -28.5%	-81.6% -43.5%	-81.9% -46.2%	-68.2% -27.4%	
	835 836	Regent Ave. West EB @ Madeline St. Pembina Hwy. NB @ Grant Ave.		1,423 2,580	2,158 3,030	2,924	3132 1227	2526 1806	2825 982	2328 832	2218 1127	800	20,251 15,308	-36.4%	-35.9%	-27.7% -70.2%	-38.7% -68.7%	-28.5%	-43.5% -82.0%	-46.2%	-27.4%	
Fourth		relibilia riwy. No @ Grant Ave.		2,300	3,030	2,524	1221	1000	302	032	1121	000	13,300	-47.576	-30.276	-10.276	-00.7 /6	-00.176	-02.076	-13.476	-03.276	
	837	Main St. NB @ Logan Ave.			4,930	13,368	9,921	5,411	6,569	6121	4067	3684	54,071	-22.5%	-40.3%	-62.4%	-60.8%	-66.0%	-75.6%	-70.0%		
2	838	Portage Ave. EB @ Dominion St.			676	1,236	302	479	326	275		167	3,665	-34.6%	-69.3%	-76.1%	-79.6%	-78.0%	-74.7%	-72.1%		
3	839	Main St. NB @ Inkster Blvd.			645	1,094	619	505	983	757	549	399	5,551	-55.3%	-71.3%	-74.0%	-58.5%	-67.8%	-74.4%	-45.7%		
4	840	Henderson Hwy. NB @ Gilmore Ave.			264	982	504	733	224	0	107	538	3,352	10.7%	-29.8%	-31.2%	-56.7%	n/a	-39.2%	-47.8%		
	841	Bishop Grandin Blvd. WB @ River Rd.				5,316	4,983	823	0	2767	2563	2416	18,868	-28.3%	-59.5%	n/a	n/a	n/a	n/a	-62.8%		
	842	Grant Ave. EB @ Charleswood Parkway			882	892	906	789	769	302	0	0	4,540	-51.7%	-68.8%	-76.2%	-76.0%	-81.6%	n/a	n/a		
	843	Kenaston Blvd. NB @ McGillivray Blvd			401	286	195	3	0	0	0	0	885	-58.8%	-61.7%	-92.7%	n/a	n/a	n/a	n/a		
	844	York Ave. EB @ Fort St.			242	2,051	416	127	0	0		64	2,900	-38.6%	-72.7%	-79.0%	n/a	n/a	n/a	-56.9%		
	845	Lagimodiere Blvd. SB @ Grassie Blvd.			821	2,195	1,674	1,298 47	1,467	1650		36	9,809	-40.3%	-46.6%	-60.0%	-52.4%	-47.3%	-77.4%	-81.4%		
	846 847	Fermor Ave. WB @ St. Mary's Rd. St. James St. SB @ Ness Ave.			54 141	56 233	41 310	176	57 114	22 126	17 194	19 164	313 1.458	-40.8% -25.0%	-51.6% -25.0%	-64.4% -30.5%	-49.1% -37.7%	-76.9% -24.0%	-76.2% -38.3%	-44.6% -8.2%		
	847 848	McPhillips St. SB @ Ness Ave.  McPhillips St. SB @ Jefferson Ave.			341	424	435	722	769	290	414	746	1,458 4,141	-25.0% -47.6%	-25.0% -47.6%	-30.5%	-37.7%	-24.0% -72.1%	-38.3%	-0.Z%		
	849	St Marys Rd. NB @ Warde Ave.			341	424	433	122	645	1946	1589	894	5,074	-47.6%	-62.7%	-30.8%	-31.270	-12.170	-34.270			
	850	Balmoral St. NB @ Sargent Ave.							040	1206	830	628	2,664	-32.0%	-02.7%	-51.170						
	851	Pembina Hwy. SB @ Chevrier Blvd.								2203	1301	809	4,313	-57.4%	0.1%							
-	852	Erin St. SB @ Sargent Ave.								134	75	82	291	-40.4%	-18.9%							
	853	Grant Ave. EB @ William R. Clement Pkwy								259	431	442	1,132	-22.7%	-12.0%							
		Academy Rd. EB @ Stafford St.								409	133	451	993	-51.5%	57.0%							
-		, == (5) =	-							.50						-				-	-	

Of the 54 illustrated locations above, two denote location code changes through street name/enforcement direction amendments. One location removed due to intersection reconfiguration. Four additional locations installed in 2010 to coincide with T.I.R.F. evaluation.

### Photo Enforcement Statistics

he table below shows a comparison of the actual number of tickets issued by location for the original and second 12 Intersection Safety Cameras from 2003 to 2011 inclusive. Only the original 24 intersections are analyzed as they have complete data due to the fact hey have been operational since program inception. The table also provides the number of tickets issued at each location by day of enforcement. A day of enforcement is a day in which the camera was operating at the location. The day of enforcement comparison provides a more accurate assessment of the change in the number of tickets as the cameras began rotating through locations starting in 2005 to present.

Teches Insende by SEC. Ask.    201   Exception Description   2004   2004   2006   2006   2007   2008   2009   2019   2011   2012   701AL   Date 165   2009   2004   2005   2006   2007   2008   2009   2010   2011   2012   2014   2015					Tielude leaved												Tisters								
Name	#	=	Tickets Issued by ISC - ALL						Ticke	ts Issue d					1			licket	s issued	per day	of enforc	ement			
5   50   Secretary Place E.B. & Alamon S.L.   1,000   2012   1,513   1,622   1,813   1,710   707   772   1,000   1,000   1,000   2,000   5,4   2,5   3,000   2,6	Distric	Locatic	Location Description	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL				2005	2006	2007	2008	2009	2010	2011	2012
Marco Starce E B (2 Marc								4	0	0	0	0	0												
4   904   18   18   19   18   18   19   18   18																									
4   400   Pespeler Aux E 6 8 Behrines St.   6.011   2.007   1.007   603   2.011   1444   1333   1302   1159   888   2.1742   1772003   24.1   7.9   6.7   7.9   6.0   6.2   4.3   4.5   3.8   2.2   2.2   1.0																									
4																									
3 80 States Bits, Wiley G. Arries St. 9, August Ave. 1, 673 5, 42 317 200 44 20 124 1170 1170 1716 218 80 1, 1771 177000 118 5, 15 5, 4 6, 8 6, 8 9 50 6, 6 0, 8 0, 0 6, 0 6, 0 6, 0 6, 0 6,																									
3   50   Saler S S S (Montain Ame   1,673   642   377   290   44   20   724   113   154   59   545   745																									
Stop   State St. Ne @ William Name   4.887   2,113   513   505   746   328   827   485   596   546   4.044   177,2003   15.0   6.3   5.3   4.6   4.2   4.5   2.8   2.4   2.1   1.4   1.5																									
6   810   Abbles An. Wile of Cockstum St.   2,307   627   374   220   0   0   0   0   0   1   3,529   177,2003   6.6   2.0   1.6   1.9   mis																									
8   11   Academy Rd, WB @ Quke St.   4.47   1.35   5.59   690   849   656   739   37   93   210   9,306   177,2007   12.3   4.4   2.7   2.8   2.7   2.6   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   1.4   1.8   2.7   2.8   2.1   2.1   2.8   2.1   2.1   2.8   2.1   2.1   2.8   2.1   2.1   2.8   2.1   2.1   2.8   2.1   2.1   2.8   2.1   2.1   2.8   2.1   2.1   2.8   2.1		810							0				1								n/a		n/a		
2 813 Nees Ave. Wile & Whytewood Rd. 411 533 520 119 25 0 0 0 29 104 524 1.07603 3.7 1.6 1.1 0.9 1.4 1.9 no no 0.9 0.6 0.8 0.8 141 1.2 1.3 1.3 1.4 1.0 0.9 1.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0									655	219	227	139	210												
2 814 Century St. MB g Sheer Ave. 4, 479 785 569 133 128 6 102 109 34 27 6, 222 818,0003 332 2.4 1.8 1.4 1.3 0.3 1.4 1.0 0.7 0.5 1815 Sargard Ave. EB g) Cition St. 1, 1, 124 2, 102 1, 1728 1, 1303 1442 100 100 34 27 6, 222 818,0003 332 2.4 1.8 1.4 1.3 0.3 1.4 1.0 0.7 0.5 1815 Sargard Ave. EB g) Cition St. 1, 1, 124 2, 102 1, 148 110 16 592 723 60 349 544 8, 445 9152003 18.9 3.8 1.0 3.3 2.9 2.1 2.5 2.3 2.1 1.3 0.3 1.4 1.0 0.7 0.5 1815 Sargard Ave. WB g) Structure Ave.	2	812	Moray St. NB @ Lodge Ave.	3,929	1,808	1,290	1,524	1256	739	937	596	433	641	13,153	1/7/2003	10.9	5.3	4.6	4.4	3.5	3.1	2.6	3.1	3.0	2.9
816   Sargert Ave. ER @ Citter St.   1.724   1.724   1.725   1.726   1.726   1.726   1.726   1.726   1.726   1.726   1.727	2	813	Ness Ave. WB @ Whytewold Rd.		533	323	129		0	0	29				1/7/2003							n/a	0.9	0.6	
3 81 6 Korwanin St. NB @ Selinix Ane. 1, 1,242 1,329 1,026 1,149 1016 952 723 60 349 544 6,915 2000 59 3.8 4.0 3.3 2.9 2.1 2.5 2.3 2.1 2.5 2.3 2.1 2.5 3.8 17 1,026 1171 130 140 150 150 150 140 150 150 150 150 150 150 150 150 150 15									•																
8 817 Lelia Au, WB @ Sinclair St. 440 737 399 192 194 94 211 137 149 130 2643 81952003 3.3 2.2 1.6 1.4 1.5 1.1 1.6 0.9 1.0 1.4 1.8 181 Remarks bild. SB @ Corpordon Ave. 7.418 10.407 771 1266 1171 1300 828 993 630 12,903 8172003 5.3 6.4 3.0 2.3 2.2 4.1 6.0 1.3 6.7 0.1 1.1 10.6 9.4 1.5 1.1 10.6 9.4 1.1 10.6 9.4 1.1 10.6 1.1 1			3 0																						
6 818 Konsaton Burd, SS @ Conyrdon Ave. 7,416 1 0,407 6,490 8,643 5712 4270 2238 3444 3491 2897 55,940 8172003 55,4 0,6 2.39 2.84 16,0 1.36 7.0 1.11 1.10 6, 9.3 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.81 1.73 1.81 1.81 1.81 1.81 1.81 1.81 1.81 1.8																									
8   Bonald St. SB @ Broadway Ave.   1,626   2,08   1,823   777   1,266   1171   1303   2,82   9,93   630   12,503   1016/2003   12,5   5,8   6,0   5,4   4,5   3,7   3,7   3,0   2,8   2,6   5,8   5																									
6   60   Archibald St. SB @ Elizabeth Rd   1,793   1,675   908   820   884   819   576   243   224   357   6,319   817/2003   13.1   5.0   3.1   3.1   3.1   3.0   2.0   1.8   1.8   1.7																									
8 22   Regent Aw. W.W. B @ Oven St.   2,575   3,530   2,090   2,718   2233   1392   1006   1020   1148   1092   18,759   8152003   19,5   10,2   7,4   7,9   6,4   4,3   3,4   3,8   3,9   3,5   5,8   6,8   6,8   6,8   7,8   7,8   7,8   8,9   8,9   7,8   7,8   7,8   8,9   8,9   7,8																									
5 822 SI.Many's RIS & Warde Ave. 5 103 5.050 2.943 3.464 1467 0 0 0 0 0 0 16.283 817172003 37.2 16.6 11.4 10.6 7.6 na																									
8 23 Pembina Hwv. NB @ Bairdmone Bud.  2 824 Pombina Hwv. NB @ Canalier Dr.  2 834 A 22 Sept. Se									1002	1000	1020	1104													
2 824 Portage Ame EB @ Carellete Dr. 2,995 3,220 1,410 466 1388 983 1 1800 2017 1015 1002 15,697 81672003 17.6 9,0 4 7, 4 6 5.0 3,0 5.1 6.2 3,1 5 82 82 82 82 82 82 82 82 82 82 82 82 82									649	1167	295	1486													
3 625 Main St. SBQ Redwood Ave. 1,036 697 148 218 341 183 169 198 206 3.196 7/16/2004 6.2 2.3 1.5 0.9 1.1 1.0 1.0 1.2 1.4 1.7 1.0 1.0 1.0 1.2 1.4 1.0 1.0 1.0 1.0 1.2 1.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0																									
B 27   Notre Dame Ave. WB @ Sherbrook St.				_,,,,,,													6.2	2.3	1.5	0.9	1.1	1.0	1.0	1.2	1.4
6 229 Grant Ave. WB @ Wilton St	3	826	McPhillips St. SB @ Redwood Ave.		1,073	877	483	191	196	140	183	286	452	3,881	7/16/2004		6.3	3.0	2.2	1.4	1.4	1.7	1.6	2.2	1.9
2 829 Ellica Ave. WB @ St. James St. 2,888 3252 2,147 2222 2083 1622 813 830 1230 17,077 77(6)2004 18.6 10.5 6.5 6.2 5.7 4.6 3.8 3.8 3.5 3.8 4 830 Paret Rd. SB @ Murrore Ave. 1,388 988 754 286 8477 763 490 585 1022 7,303 77(6)2004 18.1 3.6 3.9 4.5 3.2 2.5 2.2 3.0 2,145 18.9 18.7 18.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19	1	827	Notre Dame Ave. WB @ Sherbrook St.											2,477	7/16/2004										
4 830 Panet Rd. SB @ Murroe Ave.	6	828																							
2 831 Portage Ave. WB @ Mount Royal Rd. 1633 2,780 2,145 1829 1587 1394 2657 975 986 15,956 81202004 12.5 9.6 6.1 6.0 4.7 4.3 9.1 6.5 5.9 1 832 Dismeil Fwy, NB @ Lily St. 9,674 1,789 778 934 1712 1357 941 247 0 17,432 8/20/2004 12.5 6.6 5.1 5.8 4.9 4.4 3.3 2.5 n/a 5.8 3.5 St. Anne's Rd. NB @ Meadowood Dr. 458 944 474 607 7111 496 300 210 261 4.461 8/20/2004 3.8 3.5 2.5 2.4 2.0 2.1 2.0 1.6 1.7 5 834 Dunkint, Dr. NB @ St. Vital Rd. 669 694 308 507 476 361 83 151 115 3,394 8/20/2004 12.2 7,7 7.8 8.8 7.5 8.7 6.9 6.5 5.6 8 820 80 80 807 200 80 80 80 80 80 80 80 80 80 80 80 80 8																									3.8
1 832 Dismell Flw, NB @ Lily St. 9,674 1,789 778 934 1712 1357 941 247 0 17,432 8/20/2004 124,0 6,6 5,1 5,8 4.9 4,4 3,3 2,5 n/a st. 8 3 5t. Anne's Rd. NB @ Meadowood Dr. 455 944 474 607 711 496 300 210 261 4,461 8/20/2004 3.8 3.5 2.5 2.4 2.0 2.1 2,0 1.6 1.7 5 834 Dunkirk Dr. NB @ St. Vital Rd. 699 694 308 507 476 361 83 151 115 3,394 8/20/2004 5.3 2.6 2.0 1.9 1.3 1.2 1.0 0.9 0.8 8 35 Regent Ave. W EB @ Meadowood Dr. 4,25 94 4,24 474 607 711 496 300 210 261 4,461 8/20/2004 5.3 2.6 2.0 1.9 1.3 1.2 1.0 0.9 0.8 8 150 1415 1415 1415 1415 1415 1415 1415																									
5 833 St. Anne's Pd. NB @ Meadowood Dr. 458 944 474 607 711 496 300 210 261 4.461 8/20/2004 3.8 3.5 2.5 2.4 2.0 2.1 2.0 1.6 1.7 5 8 31 51 115 3.394 8/20/2004 5.3 2.6 2.0 1.9 1.3 1.2 1.0 0.9 0.8 4 835 Regent Ave. W EB @ Madeline St. 1.423 2.158 1.652 3132 2526 2825 2328 2218 1989 20.251 8/20/2004 12.2 7.7 7.8 8.8 7.5 8.7 6.9 6.5 5.6 6 836 Pembina Hwy. NB @ Grant Ave. 2.580 3.030 2.924 1227 1806 982 832 1127 800 15.308 8/20/2004 11.2 7.7 7.8 8.8 7.5 8.7 6.9 6.5 5.6 6 836 Pembina Hwy. NB @ Grant Ave. 1.4,430 13.389 9921 55411 6569 6121 4067 3.665 11.200 15.308 8/20/2004 19.4 10.1 8.1 5.8 8.1 1.3 9.3 5.5 4.0 3.1 1.2 1.2 1.0 1.0 1.2 1.5 8.3 1.2 1.2 1.2 1.0 1.0 1.2 1.5 8.3 1.2 1.2 1.2 1.0 1.0 1.2 1.5 1.5 8.3 1.2 1.2 1.2 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0													986												
5 834 Dunkirk Dr. NB @ St. Vital Rd. 689 694 308 507 476 361 83 151 115 3.394 8/20/2004 5.3 2.6 2.0 1.9 1.3 1.2 1.0 0.9 0.8 8 35 Regent Ave. W EB @ Madeline St. 1,423 2,156 1,652 3132 2526 2825 2328 2218 1989 20,251 8/20/2004 12.2 7.7 7.8 8.8 7.5 8.7 6.9 6.5 5.6 6.8 36 Pembina Hwy, NB @ Crant Ave. 2,560 3,030 2,924 1227 1966 962 833 1127 800 15,308 8/20/2004 19.4 10.1 8.1 5.8 6.1 3.9 3.5 4.0 3.1 1837 Main St. NB @ Logan Ave. 1 4,930 13,368 1991 5411 6569 6121 4067 3884 54,071 8/15/2005 49.3 38.2 29.4 18.5 16.1 17 19.1 4.4 13.3 38.9 Main St. NB @ Logan Ave. 1 4,930 13,368 1991 5411 6569 6121 4067 3884 54,071 8/15/2005 49.3 38.2 29.4 18.5 19.3 16.8 12.0 11.5 19.1 4.4 10.1 1.8 1.5 19.3 16.8 12.0 11.5 19.1 4.4 10.1 1.8 1.5 19.3 16.8 12.0 11.5 19.1 4.4 10.1 1.5 10.1 4.5 19.1 4.5 1	_												0												
4 835 Regent Ave. W. EB @ Madeline St. 1,423 2,158 1,652 3132 2526 2825 2328 2218 1989 20,251 820/2004 12,2 7,7 7,8 8.8 7,6 8,7 6,9 6,5 5,6 8 6 86 Pembina Hwy. NB @ Grant Ave. 2,580 3,030 2,924 1227 1806 982 832 1127 800 15,308 8/20/2004 19,4 10,1 8.1 5.8 6.1 3,9 3.5 4.0 3.1 837 Main St. NB @ Logan Ave. 4,930 13,368 9921 5411 6569 6121 4067 3684 54,071 8/15/2005 483.3 38,2 29.4 18.5 19,3 16.8 12.0 11,5 838 Main St. NB @ Main St. NB																									
6 838 Pembina Hwy, NB @ Grant Ave. 2,580 3,030 2,924 127 1806 982 832 1127 800 15,308 820/2004 19.4 10.1 8.1 5.8 6.1 3.9 3.5 4.0 3.1 18.3 Main St. NB @ Logan Ave. 4,930 13,388 9921 5411 6589 6121 4067 3684 54,071 8/15/2005 49.3 82.2 29.4 18.5 19.3 16.8 12.0 11.5 2 838 Portage Ave. EB @ Dominion St. 676 1,236 302 479 326 275 204 167 3,665 8/15/2005 7.7 5.0 2.4 1.8 1.6 1.7 1.9 1.4 1.4 1.3 1.2 1.4 1.2 1.3 1.8 1.0 1.3 1.3 1.2 1.4 1.2 1.3 1.4 1.2 1.3 1.4 1.2 1.2 1.3 1.5 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3																									
1 837 Main St. NB @ Logan Ave. 4,930 13,388 9921 5411 6569 6121 4067 3684 54,071 81152005 49.3 38.2 29.4 18.5 19.3 16.8 12.0 11.5 28 28 Portage Ave. EB @ Dominion St. 676 1,236 302 479 326 275 204 167 3,665 8152005 7.7 5.0 2.4 1.8 1.6 1.7 1.9 1.4 24 435 722 176 18 19152005 5 7.7 5.0 2.4 1.8 1.6 1.7 1.9 1.4 1.4 1.2 1.2 1.6 1.8 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	_																								
2 838 Portage Ave, EB @ Dominion St.					2,500												10.1								
4 840 Henderson Hwy, NB @ Cilmore Ave. 264 992 504 733 224 0 107 538 3.352 818/2005 3.4 3.7 2.4 2.3 1.5 n/s n/s 2.0 5 841 Bishop Grandin Blvd, WB @ River Rd 5,316 4983 823 0 2767 2563 2416 18,868 8/15/2005 - 21.2 15.2 8.6 n/s 9.5 8.3 7.9 6 842 Grant Ave. EB @ Charleswood Parkway 882 882 906 789 769 302 0 0 4,540 8/15/2005 9.4 4.5 2.9 2.2 2.2 1.7, rvis n/s 6 843 Kenaston Blvd, NB @ McGillivray Blvd 1 401 266 195 3 0 0 0 0 885 9/1/2005 5.1 2.1 2.0 0.4 n/s n/s n/s n/s 18 84 495 1 2.1 2.0 0.4 n/s n/s n/s 18 84 18 18 18 18 18 18 18 18 18 18 18 18 18	2	838				676			479									7.7							
5 841 Bishop Grandin Blvd. WB @ River Rd.		839				645	1,094	619	505	983	757		399	5,551	8/15/2005			6.9	3.1	2.0	1.8	2.8	2.2	1.8	1.7
6 842 Crant Ave. EB @ Charles-wood Parkway	4	840	Henderson Hwy. NB @ Gilmore Ave.			264	982	504	733	224	0	107	538	3,352	8/15/2005			3.4		2.4	2.3	1.5	n/a	n/a	
6 843 Kenaston Blvd. NB @ McGillivray Blvd 401 286 195 3 0 0 0 0 885 9/1/2005 5.1 2.1 2.0 0.4 n/a n/a n/a n/a n/a n/a 1 844 York Ave. EB @ Fort St. 242 2,051 416 127 0 0 0 64 2,900 10/2/7/2005 9.3 5.7 2.5 2.0 n/a n/a n/a n/a n/a 244 2,051 416 127 0 0 0 64 2,900 10/2/7/2005 9.3 5.7 2.5 2.0 n/a n/a n/a n/a 244 2,051 416 127 0 0 0 64 2,900 10/2/7/2005 9.3 5.7 2.5 2.0 n/a n/a n/a 244 2,051 416 127 0 0 0 64 2,900 10/2/7/2005 9.3 5.7 2.5 2.0 n/a n/a n/a 244 2,051 416 127 0 0 0 64 2,900 10/2/7/2005 9.3 5.7 2.5 2.0 n/a n/a n/a 244 2,051 416 127 0 0 0 64 2,900 10/2/7/2005 9.3 5.7 2.5 2.0 n/a n/a n/a 244 2,051 416 127 0 0 0 64 2,900 10/2/7/2005 9.3 5.7 2.5 2.0 n/a n/a n/a n/a 244 2.3 2.3 2.3 1.1 1.2 1.4 1.4 4.8 5.3 2.3 1.1 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	5	841	Bishop Grandin Blvd. WB @ River Rd.					4983		0		2563	2416	18,868											
1 844 Vork Ave. EB @ Fort St. 22 2.051 416 127 0 0 0 64 2.900 10/27/2005 9.3 5.7 2.5 2.0 r/a n/a r/a r/a 2.5 8.2 1.5 1.5 846 Fermor Ave. WB @ St. Many's Rd. 5.3 2.3 1.5 1.5 846 Fermor Ave. WB @ St. Many's Rd. 5.3 2.3 1.5 1.5 1.5 846 Fermor Ave. WB @ St. Many's Rd. 5.3 2.3 1.5 1.5 1.5 846 Fermor Ave. WB @ St. Many's Rd. 5.3 2.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5									789		302	0	0												
4 845 Lagimodiere BM. SB @ Grassie Blvd. 821 2,195 1674 1298 1467 1650 668 36 9,809 8/30/2005 10.1 6.0 5.4 4.1 4.8 5.3 2.3 1.1 5 846 Fermor Ave. WB @ St. Many's Rd. 54 56 41 47 57 22 17 19 313 8/31/2005 0.7 0.4 0.3 0.2 0.3 0.2 0.2 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.3 0.2 0.2 0.3 0.2 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2									3	0	0	0	U												
5     846     Femor Ave. WB @ St. Many's Rd.     54     56     41     47     57     22     17     19     313     8/31/2005     0.7     0.4     0.3     0.2     0.3     0.2	_									0	0	•													
2 847 St. James St. SB @ Ness Ave. 141 233 310 176 114 126 194 164 1.458 92/2005 1.9 1.4 1.4 1.3 1.2 1.4 1.2 1.3 3 2.1 2.7 1.2 2.9 2.4 1.5 848 McPhillips St. SB @ Jefferson Ave. 341 424 435 722 769 290 414 7.46 4.141 92/2005 4.4 2.3 2.3 2.1 2.7 1.2 2.9 2.4 5 849 St. Marys Rd. NB @ Warde Ave. 465 1946 1589 894 5.074 11/5/2009 5.1 12.4 5.8 4.6 3.6 850 Ballmoral St. NB @ Sargent Ave. 5 820 Chavrier Btd. 5 820 Chavrier Btd. 5 820 Chavrier Btd. 5 820 Chavrier Btd. 5 820 Sargent Ave. 5 830 628 2.61 11/6/2010 5.1 1.2 1.3 1.2 1.4 1.2 1.3 1.2 1.																									
3 848 McPhillips St. SB @ Jefferson Ave. 341 424 435 722 769 290 414 746 4,141 9/2/2005 4.4 2.3 2.3 2.1 2.7 1.2 2.9 2.4 5 849 St. Manys Rd. NB @ Warde Ave. 5 645 1946 1569 894 5,074 11/5/2009 5 12.4 5.8 4.6 3.6 2.5 1.8 180 Bannoral St. NB @ Sargent Ave. 6 1206 830 628 2,664 11/1/2010 5 0.8 12.2 12.4 5.8 4.6 3.6 2.5 1.8 180 Bannoral St. NB @ Chevrier Blvd. 5 120 830 1301 809 4,313 11/2/2010 5 12.2 12.2 12.2 2.9 2.4 12.4 5.8 4.6 3.6 2.5 1.8 12.2 12.2 12.2 12.2 12.2 12.2 12.2																									
5     849     St. Marys Rd. NB @ Warde Ave.     645     1946     1589     884     5.074     11/15/2009     12.4     5.8     4.6     3.6       1     850     Balmoral St. NB @ Sargent Ave.     1206     830     628     2,664     11/12010     3.6     2.5     1.8       6     851     Pembina Hwy, SB @ Chevirer Blvd.     2203     1301     809     4,313     1/3/2010     9.0     3.8     3.9       2     852     Ein St. SB @ Sargent Ave.     134     75     82     291     1/6/2010     1.2     0.7     0.6       6     853     Grant Ave. EB @ William R. Clement Pkwy     259     431     442     1,32     1/6/2010     1.8     1.4     1.2																									
1     850     Balmoral St. NB @ Sargent Ave.     1206     830     628     2,664     1/1/2010     3.6     2.5     1.8       6     851     Pembina Hwy. SB @ Chevire Blvd.     2203     1301     809     4,313     1/3/2010     9.0     3.8     3.9       2     852     Erin St. SB @ Sargent Ave.     134     75     82     291     1/6/2010     1.2     0.7     0.6       6     853     Grant Ave. EB @ William R. Clement Pkwy     259     431     442     1,132     1/6/2010     1.8     1.4     1.2						341	424	435	/22									4.4	2.3	2.3	2.1				
6 851 Pembina Hwy, SB @ Chevrier Blvd. 2203 1301 809 4,313 1/3/2010 9.0 3.8 3.9 2 852 Erin St. SB @ Sargent Ave. E @ William R. Clement Pkwy 1 259 431 442 1,322 1/6/2010 9.1.8 1.4 1.2										645												12.4			
2     852     Erin St. SB @ Sargent Ave.     134     75     82     291     1/6/2010     1.2     0.7     0.6       6     853     Grant Ave. EB @ William R. Clement Pkwy     259     431     442     1,132     1/6/2010     1.8     1.4     1.2	_						l											-							
6 853 Grant Ave. EB @ William R. Clement Pkwy 259 431 442 1,132 1/6/2010 1.8 1.4 1.2																									
	6	854	Academy Rd. EB @ Stafford St.								409	133		993	1/9/2010								4.0	1.9	3.0

### Photo Enforcement Statistics - 2002 vs. 2011

In previous annual reports, Pages 10 through 12 documented collision statistics obtained from the City of Winnipeg Public Works Traffic Collision Database. These totals were representative of collisions reported to police as required by the Provincial Highway Traffic Act. Collision data for the 2012 report is current to September 30, 2011. In October, 2011, amendments to the Highway Traffic Act resulted in Manitoba Public Insurance assuming sole responsibility. for Traffic Collision Reporting. As reported in the MPI 2011 Traffic Collision Statistics Report "The change in the use of two data sources (City of Winnipeg, MPI) resulted in an increase in collision counts, specifically for collisions resulting in minor or minimal injuries, or property damage only."

With data compiled from two separate sources with differing reporting criteria, the 2012 Photo Enforcement Annual Report will be unable to depict a meaningful statistical comparison to previous years.

Successive reports will utilize specific collision data as provided by Manitoba Public Insurance for comparison.

					2002								20	)11		
Approach	Cross Street	# of lanes	Dir	Speed	MVC Injury	MVC	Re ar End	R End Inury	Rt Angle	Rt Angle Injury	MVC Injury	MVC	Rear End	R End Inury	Rt Angle	Rt Angle Injury
Boul Provencher	Rue Aulneau	2	East	50	5	13	4	1	4	3	0	3	3	0	0	0
Marion St	Dufresne Ave	2	East	60	1	7	5	1	0	0	0	8	8	1	0	0
Talbot Ave	Watt St	2	East	50	2	17	2	1	2	0	1	10	3	0	0	0
Hespler Ave	Beatrice St	2	East	50	2	7	3	1	2	1	0	7	5	0	0	0
Henderson Hwy	Kimberly Ave	3	South	60	2	15	10	2	2	0	1	6	1	0	0	0
Inkster Blvd	Airlies St	2	West	50	2	8	3	0	2	0	0	2	1	0	1	0
Salter St	Mountain Ave	2	South	50	7	19	7	4	5	1	0	10	3	0	1	0
Isabel St	William Ave	2	North	50	9	30	6	2	13	4	0	6	2	0	1	0
Jubilee Ave	Cockburn St S.	2	West	50	2	6	3	2	0	0	1	6	3	1	0	0
Academy Rd	Oak St	2	West	50	0	4	2	0	0	0	0	1	0	0	1	0
Moray St	Lodge Ave	2	North	50	0	4	2	0	1	0	0	3	3	0	0	0
Ness Ave	Whytewold Rd	2	West	60	8	19	5	2	1	1	2	9	0	0	2	0
Century St	Silver Ave	3	North	70	2	4	1	0	2	1	1	3	2	1	0	0
Sargent Ave	Clifton St	2	East	50	0	4	1	0	3	0	1	3	0	0	3	1
Keewatin St	Selkirk Ave	2	North	60	5	11	7	2	1	0	0	7	5	0	1	0
Leila Ave	Sinclair St	2	West	60	2	7	3	1	2	0	1	10	5	0	2	1
Kenaston Blvd	Corydon Ave	2	South	50	7	25	14	5	5	0	0	18	9	0	1	0
Donald St	Broadway Ave	2	South	50	4	21	9	1	3	1	1	16	4	1	4	0
Archibald St	Elizabeth Rd	2	South	60	1	19	11	0	0	0	0	8	5	0	0	0
Regent Ave W	Owen St	3	West	60	2	11	2	0	2	2	1	13	4	1	1	0
St Marys Rd	Warde Ave	2	North	60	1	4	3	1	0	0	0	1	1	0	0	0
Pembina Hwy	Bairdmore Blvd	3	North	60	5	14	8	2	2	1	5	21	3	0	3	1
Portage Ave	Cavalier Dr	3	West	60	1	21	6	0	2	0	2	11	4	1	0	0
Main St	Redwood Ave	3	South	60	1	41	16	7	5	2	3	35	17	0	3	1
McPhillips St	Redwood Ave	3	South	60	1	6	3	0	3	1	0	3	0	0	0	0
Notre Dame Ave	Sherbrook St	3	West	60	5	17	5	2	8	2	1	7	3	1	2	0
Grant Ave	Wilton St	2	West	50	1	6	2	1	1	0	1	7	2	1	0	0
Ellice Ave	St James St	2	West	50	11	33	13	5	4	1	4	25	7	2	3	0
Panet Rd	Munroe Ave	2	South	50	2	6	3	1	1	0	1	3	1	0	1	0
Portage Ave	Mount Royal Rd	3	West	60	2	9	4	0	0	0	1	7	5	1	0	0
Disraeli Fwy	Lilv St	3	North	60	1	7	4	2	2	0	0	3	2	0	0	0
St Annes Rd	Meadowood Dr	2	North	60	0	1	0	0	0	0	1	4	3	0	0	0
Dunkirk Dr	St Vital Rd	2	North	60	0	0	0	0	0	0	0	6	2	0	1	0
Regent Ave W	Madeline St	2	East	50	4	8	4	2	2	1	0	0	0	0	0	0
Pembina Hwy	Grant Ave	3	North	60	6	33	12	2	3	0	1	8	5	1	0	0
Main St	Logan Ave	3	North	50	4	18	7	1	8	1	3	14	4	0	4	1
Portage Ave	Dominion St	3	East	60	1	11	9	1	2	0	3	12	8	1	2	0
Main Street	Inkster Blvd	2	North	60	3	13	6	2	1	0	3	12	2	0	1	1
Henderson Hwv	Gilmore Ave	2	North	60	2	8	3	1	2	0	0	9	7	0	0	0
Bishop Grandin Blvd	River Ave	2	West	80	8		28	7		0	2	20	14	1	0	0
Grant Ave	W. Clement Pkwy	2	East	60	0	36		0	0	0	0		4	0	0	0
York Ave	Fort St	2	East	50	3	0 13	0	0	11	3	0	6	0	0	5	0
Lagimodiere Blvd	Grassie Rd	2	South	80	10	_	25	6	11	0	0	33	28	4	0	0
	<del></del>	2		70	10 6	36					4		19	4	_	
Fermor Ave	St Marys Rd		West			22	10	1	3	2		26		1	2	0
St James St	Ness Ave	2	South	60 60	3 6	19	8	3	0	0 1	1 2	6	2 4		0	0
McPhillips St	Jefferson Ave	3	South	bU	б	22	12	3	3	1	2	12	4	0	U	0

Source, City of Winnipeg Public Works Traffic Collision Database current to September 30, 2011.

### Photo Enforcement Statistics - 2002 vs. 2011

**Collision Statistics Numeric Value Change** 

<u> </u>							2002 v	s 2011		
Approach	Cross Street	# of lanes	Dir	Speed	MVC Injury	MVC	Rear End	R End Inury	Rt Angle	Rt Angle Injury
Boul Provencher	Rue Aulneau	2	East	50	-5	-10	-1	-1	-4	-3
Marion St	Dufresne Ave	2	East	60	-3 -1	1	3	0	0	0
Talbot Ave	Watt St	2	East	50	-1	-7	1	-1	-2	0
Hespler Ave	Beatrice St	2	East	50	-1 -2	0	2	-1	- <u>-</u> 2	-1
Henderson Hwy	Kimberly Ave	3	South	60	- <u>-</u> 2	-9	-9	-2	-2	0
Inkster Blvd	Airlies St	2	West	50	-2	-6	-2	0	- <u></u>	0
Salter St	Mountain Ave	2	South	50	-z -7	<u>-0</u> -9	- <u>-</u> 2	-4	-4	-1
Isabel St	William Ave	2	North	50	-7 -9	-24	-4	-2	-12	-4
Jubilee Ave	Cockburn St S.	2	West	50	- <del>9</del> -1	0	0	- <u></u>	0	0
Academy Rd	Oak St	2	West	50	0	-3	-2	0	1	0
	Lodge Ave	2	North	50	0	-3 -1		0	-1	0
Moray St							1 -			
Ness Ave	Whytewold Rd	2	West	60	-6	-10	-5	-2	1	-1
Century St	Silver Ave	3	North	70	-1	-1	1	1	-2	-1
Sargent Ave	Clifton St	2	East	50	1	-1	-1	0	0	1
Keewatin St	Selkirk Ave	2	North	60	-5	-4	-2	-2	0	0
Leila Ave	Sinclair St	2	West	60	-1	3	2	-1	0	1
Kenaston Blvd	Corydon Ave	2	South	50	-7	-7	-5	-5	-4	0
Donald St	Broadway Ave	2	South	50	-3	-5	-5	0	1	-1
Archibald St	Elizabeth Rd	2	South	60	-1	-11	-6	0	0	0
Regent Ave W	Owen St	3	West	60	-1	2	2	1	-1	-2
St Marys Rd	Warde Ave	2	North	60	-1	-3	-2	-1	0	0
Pembina Hwy	Bairdmore Blvd	3	North	60	0	7	-5	-2	1	0
Portage Ave	Cavalier Dr	3	West	60	1	-10	-2	1	-2	0
Main St	Redwood Ave	3	South	60	2	-6	1	-7	-2	-1
McPhillips St	Redwood Ave	3	South	60	-1	-3	-3	0	-3	-1
Notre Dame Ave	Sherbrook St	3	West	60	-4	-10	-2	-1	-6	-2
Grant Ave	Wilton St	2	West	50	0	1	0	0	-1	0
Ellice Ave	St James St	2	West	50	-7	-8	-6	-3	-1	-1
Panet Rd	Munroe Ave	2	South	50	-1	-3	-2	-1	0	0
Portage Ave	Mount Royal Rd	3	West	60	-1	-2	1	1	0	0
Disraeli Fwy	Lily St	3	North	60	-1	-4	-2	-2	-2	0
St Annes Rd	Meadowood Dr	2	North	60	1	3	3	0	0	0
Dunkirk Dr	St Vital Rd	2	North	60	0	6	2	0	1	0
Regent Ave W	Madeline St	2	East	50	-4	-8	-4	-2	-2	-1
Pembina Hwy	Grant Ave	3	North	60	-5	-25	-7	-1	-3	0
Main St	Logan Ave	3	North	50	-1	-4	-3	-1	-4	0
Portage Ave	Dominion St	3	East	60	2	1	-1	0	0	0
Main Street	Inkster Blvd	2	North	60	0	-1	-4	-2	0	1
Henderson Hwy	Gilmore Ave	2	North	60	-2	1	4	-1	-2	0
Bishop Grandin Blvd	River Ave	2	West	80	-6	-16	-14	-6	-1	0
Grant Ave	W. Clement Pkwy	2	East	60	0	6	4	0	0	0
York Ave	Fort St	2	East	50	-3	-7	0	0	-6	-3
Lagimodiere Blvd	Grassie Rd	2	South	80	-10	-3	3	-2	-1	0
Fermor Ave	St Marys Rd	2	West	70	-2	4	9	3	-1	-2
St James St	Ness Ave	2	South	60	-2	-13	-6	0	1	0
McPhillips St	Jefferson Ave	3	South	60	-2 -4	-10	-o -8	-3	-3	-1
wor rillips of	OCHOISON AVE	J	Count	- 00		-10	0			

Source, City of Winnipeg Public Works Traffic Collision Database current to September 30,2011.

### Photo Enforcement Statistics - 2002 vs. 2011

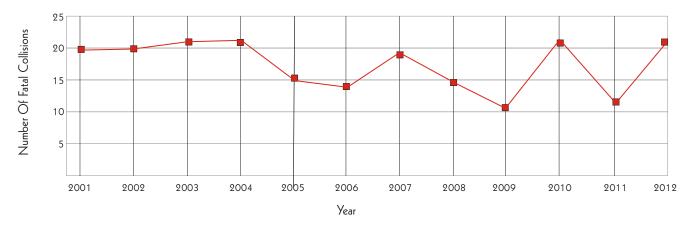
Collision Statistics Percentage Value Change

					2002 vs 2011						
Approach	Cross Street	# of lanes	Dir	Speed	MVC Injury	MVC	Rear End	R End Inury	Rt Angle	Rt Angle Injury	
Boul Provencher	Rue Aulneau	2	East	50	-100.0%	-76.9%	-25.0%	-100.0%	-100.0%	-100.0%	
Marion St	Dufresne Ave	2	East	60	-100.0%	14.3%	60.0%	0.0%	-100.070	-100.070	
Talbot Ave	Watt St	2	East	50	-50.0%	-41.2%	50.0%	-100.0%	-100.0%		
Hespler Ave	Beatrice St	2	East	50	-100.0%	0.0%	66.7%	-100.0%	-100.0%		
Henderson Hwy	Kimberly Ave	3	South	60	-50.0%	-60.0%	-90.0%	-100.0%		-100.070	
Inkster Blvd	Airlies St	2	West	50	-100.0%	-75.0%	-66.7%	-100.076	-50.0%		
Salter St	Mountain Ave	2	South	50	-100.0%	-47.4%	-57.1%	-100.0%	-80.0%	-100.0%	
Isabel St	William Ave	2	North	50	-100.0%	-80.0%	-66.7%	-100.0%	-92.3%	-100.0%	
Jubilee Ave	Cockburn St S.	2	West	50	-50.0%	0.0%	0.0%	-50.0%	-92.376	-100.076	
Academy Rd	Oak St	2	West	50	-30.0%	-75.0%	-100.0%	-50.0%	1		
Moray St	Lodge Ave	2	North	50		-25.0%	50.0%		-100.0%		
Ness Ave	Whytewold Rd	2	West	60	-75.0%	-52.6%	-100.0%	-100.0%	100.0%	-100.0%	
Century St	Silver Ave	3	North	70	-75.0%	-25.0%	100.0%	-100.0%	-100.0%		
Sargent Ave	Clifton St	2	East	50	-30.0%	-25.0%	-100.0%		0.0%	-100.076	
Keewatin St	Selkirk Ave	2	North	60	-100.0%	-36.4%		-100.0%	0.0%		
Leila Ave	Sinclair St	2	West	60			-28.6%				
Kenaston Blvd	Corydon Ave	2	South	50	-50.0%	42.9%	66.7%	-100.0%	0.0%		
Donald St	Broadway Ave	2		50	-100.0%	-28.0%	-35.7%	-100.0%	-80.0%	400.00/	
Archibald St			South		-75.0%	-23.8%	-55.6%	0.0%	33.3%	-100.0%	
	Elizabeth Rd	2	South	60	-100.0%	-57.9%	-54.5%				
Regent Ave W	Owen St	3	West	60	-50.0%	18.2%	100.0%		-50.0%	-100.0%	
St Marys Rd	Warde Ave	2	North	60	-100.0%	-75.0%	-66.7%	-100.0%			
Pembina Hwy	Bairdmore Blvd	3	North	60	0.0%	50.0%	-62.5%	-100.0%		0.0%	
Portage Ave	Cavalier Dr	3	West	60	100.0%	-47.6%	-33.3%		-100.0%		
Main St	Redwood Ave	3	South	60	200.0%	-14.6%	6.3%	-100.0%	-40.0%	-50.0%	
McPhillips St	Redwood Ave	3	South	60	-100.0%	-50.0%	-100.0%		-100.0%	-100.0%	
Notre Dame Ave	Sherbrook St	3	West	60	-80.0%	-58.8%	-40.0%	-50.0%	-75.0%	-100.0%	
Grant Ave	Wilton St	2	West	50	0.0%	16.7%	0.0%	0.0%	-100.0%		
Ellice Ave	St James St	2	West	50	-63.6%	-24.2%	-46.2%	-60.0%	-25.0%	-100.0%	
Panet Rd	Munroe Ave	2	South	50	-50.0%	-50.0%	-66.7%	-100.0%	0.0%		
Portage Ave	Mount Royal Rd	3	West	60	-50.0%	-22.2%	25.0%				
Disraeli Fwy	Lily St	3	North	60	-100.0%	-57.1%	-50.0%	-100.0%	-100.0%		
St Annes Rd	Meadowood Dr	2	North	60		300.0%					
Dunkirk Dr	St Vital Rd	2	North	60							
Regent Ave W	Madeline St	2	East	50	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	
Pembina Hwy	Grant Ave	3	North	60	-83.3%	-75.8%	-58.3%	-50.0%	-100.0%		
Main St	Logan Ave	3	North	50	-25.0%	-22.2%	-42.9%	-100.0%	-50.0%	0.0%	
Portage Ave	Dominion St	3	East	60	200.0%	9.1%	-11.1%	0.0%	0.0%		
Main Street	Inkster Blvd	2	North	60	0.0%	-7.7%	-66.7%	-100.0%	0.0%		
Henderson Hwy	Gilmore Ave	2	North	60	-100.0%	12.5%	133.3%	-100.0%	-100.0%		
Bishop Grandin Blvd	River Ave	2	West	80	-75.0%	-44.4%	-50.0%	-85.7%	-100.0%		
Grant Ave	W. Clement Pkwy	2	East	60							
York Ave	Fort St	2	East	50	-100.0%	-53.8%			-54.5%	-100.0%	
Lagimodiere Blvd	Grassie Rd	2	South	80	-100.0%	-8.3%	12.0%	-33.3%	-100.0%		
Fermor Ave	St Marys Rd	2	West	70	-33.3%	18.2%	90.0%	300.0%	-33.3%	-100.0%	
St James St	Ness Ave	2	South	60	-66.7%	-68.4%	-75.0%	0.0%			
McPhillips St	Jefferson Ave	3	South	60	-66.7%	-45.5%	-66.7%	-100.0%	-100.0%	-100.0%	

Source, City of Winnipeg Public Works Traffic Collision Database Current tot September 30, 2011.

The following chart depicts the number of fatal collisions in the City of Winnipeg. It is important to note that right angle collisions are synonymous with a minimum of one of two vehicles entering an intersection when it is either unsafe to do so, or in direct contravention of a red traffic signal. There have been no recorded fatalities at any of the intersections monitored by intersection safety camera systems.

### Total Number of Fatal Collisions (City of Winnipeg)



### Program Outcomes Mobile Photo Radar analysis:

The City of Winnipeg began the Photo Enforcement Program with a 'warning' phase in November 2002. A component of the program was the deployment of mobile photo radar units to school and playground zones. The speed of each vehicle that passed by a deployed unit was captured electronically and stored on digital memory. This data collection feature provided insights into traffic flows in the areas monitored.

The reported number of speeding violations issued by the photo radar units in 2003 was 103,093. For 2005 the issued violations were 48,194 for an overall decrease of 53% in comparison to 2003.

For 2007, although the program doubled its enforcement capabilities in June of 2006, the number of violations issued (74,442) represented an overall decrease of 27.8% when compared to 2003.

In 2012 there was only one on going large construction project within the city, however, mobile photo radar unit deployment captured 45,735 violations which represents a slight increase of 3.61 % compared to 2011, and a decrease of 55.6% compared to 2003. There was a slight drop in the number of vehicles monitored by photo radar units to 10,681,427 which again was nearly double to what was monitored in 2003.

The following table represents the total number of tickets issued by speed range for 2003 through 2012 at mobile photo radar (PR) locations. Over 89.7% of offenders were 10-19 kph over the threshold speed.

Nun	nber of ti	ckets Iss	ued			Perce	nt of tota	l tickets i	ssued			
	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
Speed	2003	2008	2009	2010	2011	2012	2003	2008	2009	2010	2011	2012
Subtotal 10-14	49,097	42,898	31,125	25,071	22,327	22,856	47.6%	36.1%	46.9%	52.2%	50.6%	50.0%
Subtotal 15-19	42,094	48,567	26,991	18,645	17,314	18,165	40.8%	40.9%	40.7%	38.8%	39.2%	39.7%
Subtotal 20-34	11,526	26,207	8,060	4,208	4,385	4,558	11.2%	22.1%	12.1%	8.8%	9.9%	10.0%
Subtotal >34	376	1,020	207	119	115	156	0.4%	0.9%	0.3%	0.2%	0.3%	0.3%
TOTAL	103,093	118,692	66,383	48,043	44,141	45,735	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

The table below reveals there has been a 73.7% reduction in the percentage of vehicles that were traveling over the threshold speed (2003 v. 2012) [(.428 - 1.633)/1.633=73.7]

Following the trend set after 2003 at 1.633%, the percentage of vehicles in violation for 2012 was at 0.428%, which is slightly higher than the results from 2011.

*Number of vehicles monitored,	2003	2008	2009	2010	2011	2012
mobile photo enforcement units:	6,311,414	12,269,238	12,387,062	11,885,446	11,466,813	10,681,427
Violations issued:	103,093	118,692	66,383	48,043	44,141	45,735
Percentage of vehicles in violation:	1.633%	.967%	.536%	.404%	.385%	.428%

<sup>\*2004-2007</sup> counts omitted due to space restrictions. Figures available in the respective annual reports.



## Explanation of the 85th Percentile

The impact of enforcement at each individual location monitored by the mobile units can be examined. A typical tool for such an analysis is the 85th percentile speed on a particular roadway.

Speed limits are typically set based on roadway design - for example, whether it is a narrow road or a modern controlled access highway and whether the surrounding area is urban, rural or suburban.

It has been argued that measuring the speed distribution of a roadway and then setting the speed limit so that 85 percent of motorists would be in compliance reduces the need for enforcement and, at the same time reduces crash risk by narrowing variation among vehicle speeds. However, numerous studies of travel speeds on open highways have shown that 85th percentile speeds increased when speeds were raised to 110 kph, (or 65 mph in the United States) then continued increasing.

The 85th percentile is not a stationary point. It is rather a moving target that increases when speed limits are raised. If speed limits are raised to meet a new and current 85th percentile speed, a higher 85th percentile speed will soon result.

he following page references the 85th percentile dating back to 2002 and up to 2011 respectively.

## 85th Percentile, Selected School/Playground Zones

Phylip Fefering and Applied 2002															
Photo Enforcement Annual Report 2012	2002		2003	2004	_	2009		2010		2011		2012		2002	v. <b>2012</b>
Description	Limit 85%	-	Limit 85%	Limit 85%	Lir	nit 85%	-		5%	Limit 85°	0/.		85%	km/h	<u>v. 2012</u> %
WB Grant Ave. West of Queenston St.							+	50		50		50	03 /0	n/a	n/a
WB Grant Ave. West of Queenston St.  WB Grant Ave. West of Renfrew St.		59 60	50 58 50 58	50 55 50 55	_	50 55 50 54	+	50	50 53	50	60 52	50	0	n/a	n/a
EB Grant Ave. East of Beaverbrook St.		59	50 56	50 54	_	50 53	+	50	52	50	51	50	52	-7	-11.9%
WB Corydon Ave. West of Montrose St.		60	50 57	50 55		50 54	+	50	53	50	53	50	53	-7	-11.7%
		60	50 58	50 55	_	50 54	+	50	55	50	54	50	54	-6	-10.0%
EB Corydon Ave. East of Thurso St.  NB Pembina Hwy. South of Riviera Ave			60 65	60 64		60 60	+	60		60	60	60	60	-5	-7.7%
		65			_		+		61					-7	
WB Corydon Ave. West of Queenston St.	50	58 55	50 56 50 54	50 54		50 52 50 52	┺	50	52 52	50	52	50	51		-12.1%
WB Logan Ave.West of Vine St.	50	55		50 51			_	50		50	53	50	53	-2	-3.6%
EB Logan Ave. East of Quelch St.		56	50 55	50 52	_	50 54	┺	50	53	50	56	50	55	-1	-1.8%
WB St. Matthews Ave. West of Burnell St.		55	50 54	50 52		50 51	┺	50	51	50	51	50	50	-5	-9.1%
EB St. Matthews Ave. East of Lipton St.		55	50 54	50 53		50 51	┺	50	51	50	51	50	50	-5	-9.1%
WB Corydon Ave. West of Rockwood St.		60	50 57	50 55		50 54	┺	50	54	50	55	50	53	-7	-11.7%
SB Pembina Hwy. South of Chevrier Blvd.		63	60 63	60 61		60 60	┸	60	59	60	58	60	63	0	0.0%
WB Nairn Ave. West of Foster		60	60 59	60 59		60 58		60	58	60	59	60	61	1	1.7%
WB Inkster Blvd. West of McKenzie		56	50 55	50 53		50 53	$\perp$	50	52	50	51	50	52	-4	-7.1%
SB Sinclair Ave. South of Jefferson	50	55	50 56	50 54		50 50		50	51	50	52	50	50	-5	-9.1%
NB Arlington St. North of Machray	50	55	50 54	50 55		50 53		50	52	50	52	50	50	-5	-9.1%
WB Talbot Ave. West of Foster St.	50	53	50 55	50 53		50 52		50	52	50	51	50	51	-2	-3.8%
EB William East of Gertie St.	50	55	50 55	50 54		50 53	Г	50	54	50	52	50	54	-1	-1.8%
EB William East of Lydia St.		55	50 55	50 53		50 52		50	52	50	52	50	53	-2	-3.6%
WB Ellice Ave. West of Agnes St.		48	50 51	50 48		50 49	Т	50	46	50	46	50	45	-3	-6.3%
SB King Edward ST. South of Burrows Ave.		52	50 57	50 55		50 52	$\top$	50	53	50	52	50	52	0	0.0%
WB Burrows Ave. West of Dexter St.		57	50 57	50 54		50 53	$\perp$	50	53	50	52	50	53	-4	-7.0%
NB St. Mary's Rd. North of Regal Ave.	60	63	60 63	60 62	-	60 60	$\vdash$	60	60	60	59	60	59	-4	-6.3%
SB St. Annes Rd. South of Worthington Ave.		60	60 60	60 59	+	60 58	-	60	58	60	56	60	57	-3	-5.0%
EB Corydon Ave. East of Campbell St.		55	50 55	50 53	+	50 53	+	50	53	50	52	50	52	-3	-5.5%
WB William Ave. West of Ellen St.		55	50 58	50 54	+	50 53	+	50	55	50	55	50	55	-3	0.0%
WB Roblin Blvd West of Laxdal St.		58			+		+		53	50	0	50	0	n/a	
			50 57		+		+	50							n/a
EB Killarney St. East of Caledon Rd.		56	50 55	50 55	_	50 53	┺	50	51	50	52	50	51	-5	-8.9%
EB Killarney St. East of Greyfriars		55	50 57	50 60		50 51	$\perp$	50	53	50	52	50	54	-1	-1.8%
EB Munroe Ave. East of Brazier St.		56	50 54	50 53		50 52	┺	50	52	50	52	50	52	-4	-7.1%
EB Talbot Ave. East of Watt St.		56	50 56	50 54		50 54	┸	50	54	50	54	50	53	-3	-5.4%
SB Archibald St. South of Guilbault Ave		64	60 63	60 61		60 59		60	58	60	58	60	60	-4	-6.3%
NB Buchanan North of Livinia St.		50	50 55	50 55		50 51	$\perp$	50	52	50	51	50	51	1	2.0%
EB Hamilton Ave. West of Parkdale		56	50 53	50 50		50 51		50	51	50	51	50	51	-5	-8.9%
SB McGregor St. South of Machray Ave.	50	57	50 57	50 55		50 54		50	53	50	53	50	54	-3	-5.3%
WB Mountain Ave. West of Mckenzie St.	50	55	50 56	50 54		50 53	Т	50	53	50	52	50	53	-2	-3.6%
EB Mountain Ave. East of Parr St.	50	56	50 56	50 54		50 54	Т	50	53	50	53	50	53	-3	-5.4%
EB Mountain Ave. East of Aikins St.		57	50 56	50 55		50 53		50	53	50	53	50	52	-5	-8.8%
WB Mountain Ave. West of Charles St.		55	50 57	50 55		50 53	т	50	53	50	53	50	53	-2	-3.6%
WB Sargent Ave. West of Clifton St. N		53	50 51	50 51		50 49	т	50	49	50	50	50	51	-2	-3.8%
WB Sargent Ave. West of Sherburn St.	50	58	50 54	50 52		50 51	-	50	51	50	51	50	52	-6	-10.3%
SB Henderson Hwy South of Roosevelt Pl.		64	60 63	60 62		60 60	$\top$	60	60	60	60	60	61	-3	-4.7%
WB Hespler Ave. West of Beatrice St.		57	50 55	50 53		50 53	+	50	53	50	52	50	52	-5	-8.8%
NB Henderson Hwy North of Chelsea		58	60 59	60 56		60 58	+	60	58	60	55	60	60	2	3.4%
EB Corydon Ave. East of Guelph St.		51	50 53	50 51		50 51	+	50	51	50	51	50	51	0	0.0%
WB Burrows Ave. West of Shaughnessy	50	60	50 58	50 56	_	50 53	+	50	53	50	52	50	53	-7	-11.7%
						50 54	+	50		50		50		-4	
NB Moray St. North of Lodge Ave		56					┺		52		52		52		-7.1%
SB Archibald St. South of Cote		62	60 61	60 59		60 57	+	60	55	60	57	60	58	-4	-6.5%
SB Berry St. South of St. Matthews		53	50 56	50 55	_	50 53	┺	50	53	50	53	50	52	-1	-1.9%
WB River Ave West of Lewis St.	50	57	50 56	50 55	+	50 54	⊢	50	53	50	53	50	53 53	-4	-7.0%
SB Moray St. South of Bruce Ave.		56	50 55	50 54	$\bot$	50 53	_	50	53	50	53	50		-3	-5.4%
WB William Ave West of Kate St.		53	50 55	50 53	+	50 54	$\perp$	50	53	50	53	50	53	0	0.0%
NB Osborne St North of Arnold Ave		52	50 54	50 53		50 53	ᅩ	50	53	50	53	50	53	1	1.9%
WB Ellice Ave West of Burnell St.	50	50	50 53	50 49		50 49	$\perp$	50	49	50	49	50	49	-1	-2.0%
EB Corydon Ave East of Oak St.	50	58	50 57	50 54		50 53	L	50	54	50	53	50	53	-5	-8.6%
SB Henderson Hwy South of Fraser's Grove		60	60 59	60 58		60 59		60	58	60	60	60	60	0	0.0%
EB Selkirk Ave. East of Sinclair St.		56	50 53	50 52		50 50		50	51	50	50	50	50	-6	-10.7%
NB Arlington St. North of McDermot Ave.		54	50 55	50 53		50 50		50	51	50	51	50	53	-1	-1.9%
EB Notre Dame Ave. East of Toronto St.		59	60 59	60 57		60 56	Т	60	57	60	56	60	55	-4	-6.8%
SB Raleigh St. South of Edison Ave.		66	60 64	60 63		60 61		60	56	60	61	60	61	-5	-7.6%
SB Raleigh St. South of Cameo Cres		66	60 63	60 61		60 59	П	60	60	60	59	60	60	-6	-9.1%
WB Bettsworth Ave. West of Hunterspoint Rd		46	50 55	50 55		50 49	Т	50	50	50	55	50	51	5	10.9%
WB Burrows Ave. West of McGregor Ave.		53	50 52	50 54		50 51	$\top$	50	51	50	49	50	52	-1	-1.9%
WB Meadowood Dr. West of St. Annes Rd.		56	50 57	50 56		50 53	$\top$	50	52	50	52	50	52	-4	-7.1%
NB St.Mary's Rd. North Of Fraser Rd.	80	83	80 83	80 80	-	80 82	$\vdash$	80	0		41	80	0	n/a	n/a
SB Beaumont St. South of Mars Bay	50	52	50 53	50 51	+	50 49	$\perp$	50	48	50	49	50	50	-2	-3.8%
SB St. Mary's Rd South of Jean Louis Rd.	80	52 82	50 53 80 82	80 80		50 49 80 79	+	50 80	82	80	0	80	0	n/a	-3.6 / <sub>0</sub>
EB Logan Ave. East of Keewatin St.	50	52 59	50 57	50 54	+	50 52	+	50	52	50	51	50	52	-7	-11.9%
					+		+							-7	
WB Logan Ave. West of Milton St.		58 54	50 55	50 53	+	50 52	+	50	51	50 50	51	50	51		-12.1%
EB Logan Ave East of Fountain St.	50	54	50 54	50 53	+	50 51	+	50	52 55	50	50	50	52	-2	-3.7%
EB Logan Ave. East of Gwendoline St.	50	55	50 56	50 54	+	50 48	⊢	50	55	50	53	50	54	-1	-1.8%
NB Henderson Hwy North of Chalmers Ave.	60	59	60 59	60 59	+	60 58	┺	60	60		60	60	60	1	
SB Arlington South of Notre Dame Ave.	50	54	50 56	50 54	$\bot$	50 53		50	52	50	51	50	52	-2	-3.7%
SB Buchanan Blvd . South of Ness Ave.	50	52	50 55	50 54		50 52	ㅗ	50	53	50	52	50	52	0	
SB Berry St. South of Silver Ave.	50	58 50	50 56	50 54		50 51	$\perp$	50	52	50	51	50	50	-8	
WB Lodge Ave. East of Davidson St.	50	50	50 52	50 46		50 50		50	46	50	45	50	47	-3	-6.0%
WB Talbot Ave. West of Elmwood Rd.	50	55	50 55	50 53		50 54		50	53	50	52	50	53	-2	-3.6%
WB McLeod Ave. West of Rothesay St.	50	54	50 53	50 51		50 51	Т	50	51	50	51	50	51	-3	-5.6%

Since 2002, there has been an average overall decrease in the 85th of 5.2 % at the above monitored locations. This translates to an average of 3.014 km/h reduction in speeds at these locations.

Due to limited space, 2005-2008 statistics omitted. Information is available in respective reports)



## 85th Percentile, Speed reduced construction zones

	85th % speed between 0700 and 1600, Monday to Friday							
Location	May	June	July	August	Sept	Oct		
NB Kenaston Blvd. West of Waverley St.	0	0	0	0	0	0		
SB Kenaston Blvd. South of Scurfield Blvd.	0	60	59	60	0	0		
EB Bishop Grandin Blvd. East of Kenaston Blvd.	0	64	66	0	0	0		
	85th % speed between 1600 and 2100, Monday to Friday							
Location	May	June	July	August	Sept	Oct		
NB Kenaston Blvd. West of Waverley St.	0	61	0	0	0	0		
SB Kenaston Blvd. South of Scurfield Blvd.	0	61	60	59	0	0		
EB Bishop Grandin Blvd. East of Kenaston Blvd.	0	63	64	0	0	0		
	85th % speed on Saturdays and Sundays							
Location	May	June	July	August	Sept	Oct		
NB Kenaston Blvd. West of Waverley St.	0	63	0	0	0	0		
SB Kenaston Blvd. South of Scurfield Blvd.	0	61	62	61	0	0		
EB Bishop Grandin Blvd. East of Kenaston Blvd.		65	65	0	0	0		



## Public Education Campaign

#### Winnipeg Police Service, in partnership with Picante Advertising

#### **Just Slow Down**

In 2009, the Winnipeg Police Service launched Just Slow Down, a public service campaign designed to raise awareness of the relationship between higher speeds and the occurrence of fatality and serious injury in a vehicle collision. In each year since the original campaign launch, the Just Slow Down message has been reinforced through a television campaign.

For 2011, The Phase Three commercials, which depicted the tragic death of a small child outside her school, were successful in winning three Signature Awards, which recognize creative excellence in the province of Manitoba. To date it has received over 300,000 YouTube views. The number of views serves as confirmation that there remains an interest amongst the public for the sharing of these all too important safety messages

The 2012 Phase Four creative, intentionally focused on an area of significant concern, the right-angle collisions that take place at intersections. These particular types of collisions are most often responsible for severe injury and death.

In this case, the guilty party is a man who has had a frustrating day at work. He complains to his wife, who is riding as a passenger in the vehicle. His frustration leads him to increase his speed in spite of protest from his wife.

Ultimately he speeds through a red light at an intersection, colliding with a young couple who have the right of way. This catastrophic collision results in the death of the young woman when the car she is a passenger in is crushed against a street lamp.

Just Slow Down public service announcements air on Winnipeg television stations and on our dedicated website <a href="www.justslowdown.ca">www.justslowdown.ca</a>. These announcements aired in February, June and in October.

#### Just Slow Down Campaign Objectives:

- To encourage Winnipeg drivers to reduce speed
- To build awareness and understanding of the relationship between speed and collisions/fatalities/serious injury
- To build general support for photo enforcement technologies as an effective tool to reduce driver speed on Winnipeg streets
- To build support for increased traffic unit flexibility to move mobile photo radar units to areas where they will be most effective.
- To proactively promote safe Winnipeg streets

#### **Target Audience:**

- All Winnipeggers who currently possess a driver's license.
   i.e. Ages 16 up
- A particular focus on younger and new drivers
   i.e. Ages 15 25