

## Vision Zero Action Plan Secondary Emphasis Areas #1 – Aggressive Driving

<b>Performance Measures</b> <ul style="list-style-type: none"> <li>▪ Number of aggressive driving collisions</li> <li>▪ Number of aggressive driving violations/warning issued</li> <li>▪ Number of red-light camera locations</li> <li>▪ Operating speed reduction</li> </ul>				<b>Aggressive Driving:</b> is defined as operating a motor vehicle in a manner that is considered selfish, pushy, impatient and often unsafely in that it directly affects other drivers	
				<ul style="list-style-type: none"> <li>▪ Disobey Traffic Control</li> <li>▪ Exceed Speed Limit</li> </ul>	<ul style="list-style-type: none"> <li>▪ Follow Too Close</li> <li>▪ Improper Passing</li> <li>▪ Improper Turns</li> </ul>
Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Aggressive Drivers Hot Line (A.D.H.L.)	Police Services	<ul style="list-style-type: none"> <li>▪ Public Health</li> <li>▪ Safe Communities Coalition</li> </ul>	Phone number that citizens can call to report offenders. Review how ADHL can be more effective and efficient.	No information available.	Enhanced
Bus Watch	Police Services	<ul style="list-style-type: none"> <li>▪ HW Catholic School Board</li> <li>▪ HW District School Board</li> </ul>	Reporting system for school bus drivers to report people that violate the School Bus Safety Laws. Warning letters are sent and serious violators are charged.	No information available.	Maintain annually
High Visibility Enforcement	Police Services	<ul style="list-style-type: none"> <li>▪ Communications</li> <li>▪ Public Health</li> <li>▪ Traffic Engineering</li> </ul>	Focus on high collision areas and roadways with identified high operation speed. Divisional Crime managers to incorporate monthly traffic statistics into their traffic deployment focus.	High-visibility aggressive driving enforcement can be effective.	Enhanced
Increased Penalties for Chronic Speeders and Aggressive Drivers	Police Services	<ul style="list-style-type: none"> <li>▪ MTO</li> <li>▪ External Road Safety Committees</li> <li>▪ Traffic Engineering</li> </ul>	Changing the Highway Traffic Act to increase the penalties. Consider use of Community Safe Zone designations for identified high operation speed roadways	Believed to be effective, but no effectiveness information available.	New

Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Develop Just Drive Campaign and Speed Kills Campaign	Communications	<ul style="list-style-type: none"> <li>▪ All</li> </ul>	Implement various initiatives to address driver behavior, surveys, challenges, and pledges.	No information available.	Enhanced
Speed Watch/Road Watch	Police Services	<ul style="list-style-type: none"> <li>▪ Public Works</li> </ul>	Portable Electronic boards which display motorists' speed as they pass. Program offered to residents and recording of information which results in warning letters to registered owners who exceed speed limits.	Electronic boards have been shown to be an effective tool for short-term speed control.	New
Summer Safe Program	Police Services	<ul style="list-style-type: none"> <li>▪ Public Health</li> <li>▪ Public Works</li> </ul>	Enforcement initiative that focuses on equipment (lights, tires, horn, seatbelts) and impaired driving during July and August. Includes R.I.D.E. spots.	20% estimated reduction in impaired driver collisions estimated because of the R.I.D.E. component.	Enhanced
Red Light Cameras	Public Works	<ul style="list-style-type: none"> <li>▪ Police Services</li> </ul>	Minimum 5 locations per year, consider future options of full operations city wide and impacts. Focus on high collision locations.	RLC Locations having a positive impact, full evaluation of system is required.	Maintain
Educational and Mass Media Campaigns	Police Services	<ul style="list-style-type: none"> <li>▪ Public Works</li> <li>▪ Seniors Advisory Committee</li> <li>▪ Public Health</li> <li>▪ Police Services</li> </ul>	Mass media campaigns on radio, television, newspapers, social media to promote a change in driving behavior. Look at attending community events.	Education campaigns having a positive impact in the reduction of collisions, must work in conjunction with other initiatives.	Enhanced

## Vision Zero Action Plan Secondary Emphasis Areas #2 – Intersections

<b>Performance Measures</b> <ul style="list-style-type: none"> <li>▪ Number of intersection related collisions</li> <li>▪ Number of implemented counter measures</li> <li>▪ Enforcement operations</li> <li>▪ Number of red-light camera locations</li> </ul>				<b>Intersection Collisions:</b> represent collisions occurring within an intersection area if it involves vehicles waiting at or proceeding towards the intersection regardless of the distance from the intersection.	
				<ul style="list-style-type: none"> <li>▪ Disobey Traffic Control</li> <li>▪ Vulnerable road user incidents</li> </ul>	<ul style="list-style-type: none"> <li>▪ Incidents involving turning vehicles</li> </ul>
Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Add Left-turn Lanes	Public Works Traffic Engineering	<ul style="list-style-type: none"> <li>▪ Asset Management</li> <li>▪ Construction Services</li> </ul>	Provide dedicated left-turn lanes on existing or reconstructed roadways. Identify priority list of locations that require dedicated turn lanes.	Improved safety and operations	Enhanced
Improve Signal Operations	Public Works		Improve signal operations (i.e. phasing, timings, traffic responsive control, etc.) to improve traffic flow	Reduces the triggers which contribute to aggressive driving.	Enhanced, Complete 20% retiming of Hamilton traffic signal system yearly
Improve Visibility of Signal Heads and Street Name signs	Public Works		Includes increasing signal lens and sign size, install new backboards, add reflective tape to existing backboards, and/or installing additional signal heads.		Maintain
In-Service Road Safety Reviews	Public Works	<ul style="list-style-type: none"> <li>▪ Police Services</li> <li>▪ Public Health</li> <li>▪ School Boards</li> </ul>	Conduct safety reviews of high collision intersections and implement recommendations.	Variable and dependent on problem and mitigating measures.	Enhanced
Install Dilemma Zone Detection	Public Works		Extends the yellow or red signal phase for vehicles caught in the dilemma zone. Will require video detection and support from ATMS		New

Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Paint Curb Cuts	Public Works	<ul style="list-style-type: none"> <li>▪ Advisory Committee for People with Disabilities</li> </ul>	Paint curb cuts in order to assist visually impaired pedestrians.		New
Prohibit or Protected turns at Intersections	Public Works	<ul style="list-style-type: none"> <li>▪ Emergency Services</li> <li>▪ Police</li> <li>▪ Services</li> </ul>	Restricting turning movements reduces the number of potential conflicts and incidents with pedestrians		Enhanced
Provide Protected/advanced Pedestrian crossing Phases	Public Works		Provide modifications to improve safety for pedestrian crossings.		Enhanced
Roundabouts for New and Revised Intersections	Public Works	<ul style="list-style-type: none"> <li>▪ Planning</li> <li>▪ Public Health</li> </ul>	Compared to intersections, roundabouts reduce the number conflicts and the frequency of angle collisions.	Reduction in all collisions at converted signalized intersections. <sup>i</sup> Reduction in injury and fatal collisions at converted signalized intersections. <sup>i</sup>	Maintain
Media Campaign on Intersection Safety	Communications	<ul style="list-style-type: none"> <li>▪ ALL</li> </ul>	Provide Education for all road users.		Maintain

## Vision Zero Action Plan Secondary Emphasis Areas #3 – Vulnerable Roads Users

<b>Performance Measures</b> <ul style="list-style-type: none"> <li>▪ Number of pedestrian collisions</li> <li>▪ Number of cyclist collisions</li> <li>▪ Number of motorcycle collisions</li> <li>▪ Number of improved intersections</li> <li>▪ Number of pedestrian crossover locations and protected cycling infrastructure implemented</li> <li>▪ Number of schools completed 'Safe Routes to School' Plans and implementing bicycle safety training</li> </ul>				<b>Vulnerable Road Users:</b> do we need to define, as was done in #1 and #2? Vulnerable road users involved in collision incidents are 90% more likely to incur injuries.	
Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Active & Safe Routes to School	Public Health	<ul style="list-style-type: none"> <li>▪ HW Catholic School Board</li> <li>▪ HW District School Board</li> <li>▪ Public Works</li> <li>▪ Police Services</li> </ul>	Continued promotion of active modes of transportation for school trips. Also addresses school zone safety. Investigate enhancements to program to make schools and residents more aware of program. Review Technology that can assist in providing easy access to school with SRTS. Evaluate effectiveness of existing program.	School Travel Planning is an identified Best Practice and supported by City Council and School Boards	Enhanced
Bikes, Blades & Boards Program	Public Health	<ul style="list-style-type: none"> <li>▪ HW District School Board</li> <li>▪ HW Catholic School Board</li> <li>▪ Hamilton Police Services</li> </ul>	Program (administered by Hamilton Health Sciences Acquired Brain Injury Program) which targets Elementary students with education about the importance of wearing helmets for wheeled activities and includes helmet fitting.		Enhanced
Seniors Walking Education Class	Public Health	<ul style="list-style-type: none"> <li>▪ Public Works</li> <li>▪ Hamilton Police Services</li> </ul>	With growing Senior population, host workshops in the community to educate Seniors on safe walking both in and outside of the home		New
Community Coalition Cycling & Wheeled Activities	Public Health	<ul style="list-style-type: none"> <li>▪ Public Works</li> <li>▪ Police Services</li> </ul>	Representation from agencies, community groups in Hamilton working to promote use of gear (helmets, other protective gear) for cycling, inline skating, skateboarding, etc.		Enhanced

Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Safe Kids Canada's Safe Kids Week	Public Health	<ul style="list-style-type: none"> <li>▪ Police Services</li> <li>▪ HW District School Board</li> <li>▪ HW Catholic School Board</li> <li>▪ Seniors Advisory Committee</li> </ul>	National dedicated week focusing on child pedestrian safety combined with 3 days of "all hands-on deck" enforcement of zero tolerance of speeding in school zones. "Think of Me" cards which will be hand drawn by Hamilton School Children and distributed to all drivers who received a ticket during the increased enforcement blitz during this week.		Enhanced
Thinkfirst Assembly Presentations	Public Health	<ul style="list-style-type: none"> <li>▪ HW Catholic School Board</li> <li>▪ HW District School Board</li> </ul>	Interactive assembly presentations to Elementary school children. Includes pedestrian and cycling safety.		New
Thinkfirst Binder Distribution to Schools	Public Health	<ul style="list-style-type: none"> <li>▪ HW Catholic School Board</li> <li>▪ HW District School Board</li> </ul>	This project has produced binders with injury prevention content for grades kindergarten through grade 8. Binders have been distributed to every public and Catholic school in Hamilton. Includes material on pedestrian, vehicular and cycling safety		
Identify Main Pedestrian Routes and Ensure Sidewalk Continuity and Crossing Safety at Intersections and Mid-block	Public Works		Requires development of a sidewalk inventory for asset management.		New
Improve Signal Timing	Public Works		Improved signal timing to reduce potential for conflict.		Enhanced
Install Pedestrian Countdown Signal Heads	Public Works		Signal heads for pedestrians providing time in seconds for crossing.		Maintain

Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Plan and Implement Cycling Routes Through the City	Planning	<ul style="list-style-type: none"> <li>▪ Public Works</li> </ul>	Construction of dedicated lanes for bicycles as per Cycling Master Plan. Develop 5-year implementation plan. Identify areas for dedicated protected lanes.		Enhanced
Cyclemania	Police Services	<ul style="list-style-type: none"> <li>▪ Public Health</li> <li>▪ Public Works</li> </ul>	Education program at playgrounds and summer camps for children age 6-12 on the rules of the road and bicycle safety.		Maintain
Campaign Events	Public Health	<ul style="list-style-type: none"> <li>▪ All</li> </ul>	Partake in National and International dedicated dates, ex. Bike to School Week, Walk to school Day, etc.		New
Kids Safety Program	Police Services	<ul style="list-style-type: none"> <li>▪ HW District School Board</li> <li>▪ HW Catholic School Board</li> <li>▪ Public Health</li> </ul>	Reintroduction of “Elmer the Safety Elephant” combined with flags to raise awareness of road safety in school children in grade 2 and under.		New

## Vision Zero Action Plan Secondary Emphasis Areas #4 – Young Drivers

Performance Measures				Collisions involving young drivers between the ages of 16 and 25.	
<ul style="list-style-type: none"> <li>Number of collisions involving young drivers</li> </ul>					
Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Assist Adults in Managing Teen Driving	Public Health		Develop and make available 'teen sensitive' young driver information for parents.		New
C.H.A.T. (Community Hospitals Against Trauma)	Public Health	<ul style="list-style-type: none"> <li>HW Catholic School Board</li> <li>HW District School Board</li> </ul>	Communities and Hospitals Against Trauma (administered by Hamilton Health Sciences- Trauma Program- Public Health does not oversee this program but does actively promote it). This program targets high-risk youth and introduces them to the aftermath of aggressive or impaired driving. The program consists of a mock trauma conducted in hospital with debriefing afterwards and/or in-school presentation with a "survivor" of a trauma injury.		Maintain / Enhance if Needed
Youth Summit	Public Health	<ul style="list-style-type: none"> <li>HW Catholic School Board</li> <li>HW District School Board</li> <li>Police Services</li> </ul>	This is the revised version of the Party in the Right Spirit Program, with the goal to reduce the harm associated with risk behaviours in youth using a youth engagement approach. The program is attended by student leaders and teachers and is open to all Hamilton High Schools, including private schools.		New
Media Campaigns Directed at Young Drivers	Communications Subcommittee	<ul style="list-style-type: none"> <li>Public Health</li> </ul>	Educate young drivers on the perils of impaired driving, aggressive driving and not wearing seat belts		New



## Vision Zero Action Plan Secondary Emphasis Areas #5 – Collision Data Improvements

Performance Measures <ul style="list-style-type: none"> <li>▪ Number of collisions</li> <li>▪ Access to data</li> <li>▪ Initiatives implemented</li> </ul>					
Program	Lead Agency	Support Team	Action Description	Historical Effectiveness	Maintain, Enhanced or New
Enhance Safety Data Collection on Rural Roads	Public Works		Develop a roadway inventory / asset management database.		New
Link Traffic Database to GIS	Public Works	<ul style="list-style-type: none"> <li>▪ Police Services</li> </ul>	Linking across traffic volume, roadway assets, and GIS allowing graphic analysis of collision trends. Implement Public portals for access by public.		New
Review Collision Reporting Centres Data	Public Works	<ul style="list-style-type: none"> <li>▪ Police Services</li> </ul>	Ensuring Q/C of data prior to inputting.		Maintain
Improve Collision Data Collection and Consistency	Police Services	<ul style="list-style-type: none"> <li>▪ MTO</li> <li>▪ Public Works</li> </ul>	Make presentations to enforcement explaining how collision data is used by agencies to improve safety.		Maintain