

**Document 1: 2022 Road Safety Action Plan (RSAP) - Implementation Plan - STATUS UPDATE**

In the table below are listed the initiatives undertaken as part of the 2022 RSAP Implementation Plan along with a status update for each, as of the end of 2022. Initiatives include those funded by the \$7.2 million allocated in the City's 2022 Budget for the Road Safety Action Plan Program.

**2022 Budget RSAP Funding: \$ 7,200,000.00**

Lead	Initiative Description and Deliverables	Emphasis Area	Funding Source	2022 RSAP Budget	Status	Delivered by
Safer Roads Ottawa	<b>Be Safe Be Seen</b> Provide lights and reflective products to cyclists and pedestrians at 24 events and to raise awareness through social media channels.	Vulnerable Road Users - Pedestrians & Cyclists	2022 Safer Roads Ottawa	-	<b>Modified:</b> Gear distributed to all Ottawa Fire Stations (total of 29 urban, 14 rural stations) and three community events held.	Traffic Services, Ottawa Fire Services, Ottawa Police Services, Ottawa Public Health
Safer Roads Ottawa	<b>Education and Outreach about New Pedestrian Infrastructure</b> Conduct education and outreach on new and existing pedestrian infrastructure to ensure all road users understand how to use the infrastructure appropriately.	Vulnerable Road Users - Pedestrians	2022 Safer Roads Ottawa	-	<b>Completed:</b> In conjunction with Be Safe, Be Seen campaign during three community events.	Traffic Services, Ottawa Police Services, Ottawa Public Health
Road Safety Action Plan Program	<b>Ladder Markings</b> Implement high-visibility ladder markings at 10 locations.	Vulnerable Road Users - Pedestrians	2022 Road Safety Action Plan Program	25,000	<b>Completed:</b> Ladder markings implemented at 12 locations.	Traffic Services
Road Safety Action Plan Program	<b>Leading Pedestrian Interval &amp; No Right Turn on Red</b> Proactively review 300 locations applying leading pedestrian interval (LPI) criteria, implementing LPI and/or No Right Turn on Red (NRTOR), where criteria are met.	Vulnerable Road Users - Pedestrians	Internal Staff Resources	-	<b>Complete:</b> Total of 171 Leading Pedestrian Intervals were implemented and 104 No Right Turn on Red (implemented city wide total).	Traffic Services
Advanced Traffic Management Systems	<b>New - Joined Pedestrian Signal Phasing</b> Install signal timing feature to allow the walk signal to appear when a vehicle detection triggers the traffic signal to change to side street green, where appropriate. This expands upon the software and criteria developed in 2021.	Vulnerable Road Users - Pedestrians	Internal Staff Resources	-	<b>Completed:</b> Joined pedestrian timing installed at 11 locations.	Traffic Services
New Traffic Control Devices Program	<b>New - Pedestrian Crossings in School Traffic Calming Areas</b> Implement PXO's identified in the reviews completed as part of the school area traffic calming initiative in 2021.	Vulnerable Road Users - Pedestrians	2022 Road Safety Action Plan Program	300,000	<b>In-progress:</b> substantial construction completion not yet issued.	Traffic Services
New Traffic Control Devices Program	<b>New - Pedestrian Crossover Enhancements</b> Allocate funding to the PXO Program to implement accessibility features at up to 2 existing PXO locations.	Vulnerable Road Users - Pedestrians	2022 Road Safety Action Plan Program	50,000	<b>In-progress:</b> Two locations to be upgraded in 2023 in conjunction with the Pedestrian Accessibility Intersection Ramping Program (PAIR) locations.	Traffic Services
Pedestrian Safety Evaluation Program	<b>Pedestrians Safety Enhancements</b> Allocate funding to the Pedestrian Safety Evaluation Program to implement low cost measures to address pedestrian safety issues at up to 10 locations.	Vulnerable Road Users - Pedestrians	2022 Road Safety Action Plan Program	50,000	<b>In-progress:</b> Installed ladder markings at two locations with ladder markings; one location with AODA improvements under review by Signal Design.	Traffic Services
Safer Roads Ottawa	<b>Motorcycle Safety Courses</b> Provide training for 100 riders through a subsidized training program.	Vulnerable Road Users - Motorcyclists	2022 Safer Roads Ottawa	-	<b>Completed:</b> Delivered 16 Motorcycle Safety Sessions to 145 attendees.	Traffic Services

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Road Safety Action Plan Program	<b>Motorcycle Safety Strategy</b> Develop a comprehensive motorcycle safety strategy. This includes continued input from key internal and external stakeholders through the motorcycle safety working group, conducting annual collision data monitoring and continued education, enforcement and engineering countermeasures.	Vulnerable Road Users - Motorcyclists	2022 Road Safety Action Plan Program	60,000	<b>In-progress:</b> Study in progress.	Traffic Services
Cycling Safety Improvement Program	<b>Cycling Safety Enhancements During Resurfacing</b> Allocate funding to the Cycling Safety Improvement Program to implement measures to enhance cycling safety as part of resurfacing projects (thermo, signage, pavement markings).	Vulnerable Road Users - Cyclists	2022 Road Safety Action Plan Program	60,000	<b>In-progress:</b> Anticipated completion 2023.	Traffic Services
Cycling Safety Improvement Program	<b>Cycling Safety Enhancements</b> Allocate partial funding to the Cycling Safety Improvement Program to implement cycling enhancements at up to three locations (depending on availability of Federal Active Transportation Fund). Provide additional funding to complete detailed design for one high-volume cycling/vehicle interaction location and one location identified through the Cycling Safety Improvement Program (CSIP)	Vulnerable Road Users - Cyclists	2022 Road Safety Action Plan Program	1,950,000	<b>In-progress:</b> Four high volume cycling locations currently in detailed design. Construction pending further funding. One location identified through CSIP still in functional design.	Traffic Services
Advance Traffic Management Systems	<b>New - Amber Lock</b> With the completion of software development, complete the installation of amber lock feature at the 192 intersections previously identified at high cyclist volume signalized intersection or multi-use pathways. Continue to implement as per criteria at future locations.	Vulnerable Road Users - Cyclists	Internal Staff Resources	-	<b>Completed:</b> Amber lock installed at 231 locations.	Traffic Services
Advanced Traffic Management Systems	<b>New - Cycling Detection Feedback Bollard</b> Pilot the installation of cycling detection feedback bollards at signalized intersections or multi-use pathway crossings (ex. Carling at O-Train crossing), where appropriate.	Vulnerable Road Users - Cyclists	2022 Advanced Traffic Management Systems Program	-	<b>In-progress:</b> Bike bollard development is ongoing with new units to be installed in Q2 2023.	Traffic Services
Advance Traffic Management Systems	<b>New - Evaluation of the Amber Lock Feature</b> Evaluate the use of amber lock function in 2022 and 2023 and report back through the 2024 Road Safety Action Plan Annual Report.	Vulnerable Road Users - Cyclists	Internal Staff Resources	-	<b>In-progress:</b> Modifications implemented to the Traffic Control System, evaluation not yet initiated.	Traffic Services
Cycling Safety Awareness Program	<b>New - Red Revert Education Campaign</b> The development and implementation of an awareness campaign (including signage at key intersections) geared to educate and inform all road users: <ul style="list-style-type: none"> <li>• on the red revert feature and how it works, including sensors and timing; and,</li> <li>• how to safely and legally enter an intersection.</li> </ul>	Vulnerable Road Users - Cyclists	2022 Cycling Safety Awareness Program	-	<b>Complete :</b> Permanent signage installed at 22 locations. Temporary signage placed at 9 locations, 1,000 buck slips developed for distribution, 8 direct outreach activities.	Transportation Planning, Traffic Services
Safer Roads Ottawa	<b>Best Fit Car Seat Clinics</b> Provide education and awareness on the proper installation of car seats through modified delivery format due to continued presence of COVID-19.	Vulnerable Road Users	2022 Safer Roads Ottawa	-	<b>Modified:</b> New BestFit Booster - School-Based Booster Seat & Passenger Safety Awareness program developed and delivered to 260 students (grades 1-3).	Traffic Services, External Partners
Safer Roads Ottawa	<b>New - Education and Outreach about Motorized Recreational Vehicles</b> Conduct education and outreach related to the operation of Motorized Recreational Vehicles in schools in the rural area to ensure all road users are aware of hazards and safe operation.	Rural Area	2022 Safer Roads Ottawa	-	<b>Initiated:</b> Working with community partners to review and enhance curriculum for delivery in rural schools in 2023.	Traffic Services

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Road Safety Action Plan Program	<b>Rural Curve Enhancements</b> Enhanced delineation on horizontal curves identified through the new network screening process to improve safety. Enhance up to 5 locations.	Rural Area	2022 Road Safety Action Plan Program	25,000	<b>In-progress:</b> 7 locations identified for improvements. Signage upgrades will occur in 2023.	Traffic Services
Road Safety Action Plan Program	<b>Rural Roadway Signage and Lighting</b> Proactively identify rural stop locations for upgrading ex. oversized stop sign, stop ahead sign, flashing LED beacon and/or marker lighting at intersections based on network screening. Implement upgrades at up to 10 locations.	Rural Area	2022 Road Safety Action Plan Program	100,000	<b>In-progress:</b> 9 locations identified for improvements. Signage upgrades will occur in 2023.	Traffic Services
Road Safety Action Plan Program	<b>Rural Skewed Intersections Enhancements</b> Complete detailed design of 2 rural skewed intersection for potential remedial action. Allocate funding to implement geometric modifications at 2 rural skewed intersections.	Rural Area	2022 Road Safety Action Plan Program	1,900,000	<b>In-progress:</b> Design underway at two locations, construction pending additional funding.	Traffic Services
Road Safety Action Plan Program	<b>Safety Edges</b> Pilot evaluation on-going until 2026. Interim NSSP construction specification standard to be used for safety edge implementation until City standard specification development in 2023. Safety Edges to be implemented on Rural Roads as part of the 2022 resurfacing program. Total number of corridors to be determined.	Rural Area	2022 Road Safety Action Plan Program	100,000	<b>Partially Completed:</b> Safety edges installed at one corridor during resurfacing.	Traffic Services, Infrastructure Services
Road Maintenance	<b>Shoulder Maintenance in Rural Areas</b> Shoulder maintenance priority process developed in 2020. Upgrade approximately 22 linear km of gravel shoulders on rural roads to help reduce the occurrence of edge drop-off related incidents.	Rural Area	2022 Road Safety Action Plan Program	125,000	<b>Completed:</b> 11 locations/22.65 km upgraded.	Roads Services, Traffic Services
Road Safety Action Plan Program	<b>At-Grade Rail Crossing Compliance</b> Complete required modifications at 1 at grade rail crossing to comply with Transport Canada Grade Crossing Regulations.	Intersections	2022 Road Safety Action Plan Program	300,000	<b>Completed:</b> Construction complete.	Traffic Services
Road Safety Action Plan Program	<b>Protected Left-Turns</b> Implement geometric modifications at 1 high ranking location for fully protected left turn installation where geometric revisions are required. Update protected left turn screening and implement protected left turn phasing at up to 5 locations where no geometric revisions are required and/or conduct functional design studies if geometric revisions are required.	Intersections	2022 Road Safety Action Plan Program	500,000	<b>Completed:</b> Installed protected phasing at 5 locations.	Traffic Services
Road Safety Action Plan Program	<b>Rail Safety Studies</b> Complete a Detailed Safety Assessment (DSA) together with the rail authority at 1 at-grade rail crossing.	Intersections	2022 Road Safety Action Plan Program	5,000	<b>Completed:</b> Two DSA's were completed jointly with the rail authority.	Traffic Services, Rail Authority
New Traffic Control Devices Program	<b>Traffic Control Devices</b> Allocate additional funding to the New Traffic Control Devices Program to design 1 intersection that meets warrants for traffic signals and partial funding to initiate construction at the location designed as part of the 2020 RSAP Implementation Plan.	Intersections	2022 Road Safety Action Plan Program	670,000	<b>Completed:</b> roundabout construction complete at one location. <b>Initiated:</b> Project charter to be submitted to Infrastructure Services.	Traffic Services
Partner Initiative	<b>Impaired Driver Enforcement</b> Deliver the Monthly RIDE Program(s) - Intelligence-led RIDE program deployed across the City. Deliver the Summer Market Enforcement Blitz, which is a targeted enforcement initiative in the Byward Market.	High risk drivers - Impaired	Internal Staff Resources	-	<b>In-progress:</b> 22 RIDES (9 delivered through proactive frontline enforcement, 13 supported by the provincial RIDE program grant).	Ottawa Police Services
Partner initiative	<b>Teen Safety Week</b> Deliver an impaired driving (drugs and alcohol) educational initiative targeted towards teens.	High risk drivers - Impaired	Internal Staff Resources	-	<b>Completed:</b> Drop It and Drive presentations provided to over 700 students at 4 schools (grades 9 to 12).	Traffic Services, Ottawa Police Services, Ottawa Public Health

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Partner Initiative	<b>Leave the Phone Alone</b> Deliver distracted driving enforcement blitzes.	High risk drivers - Distracted	Internal Staff Resources	-	<b>Completed:</b> Two events as well as during "Drop It and Drive" presentations in four schools.	Traffic Services, Ottawa Police Services
Partner initiative	<b>Automated License Plate Recognition Enforcement</b> Deploy automated license plate recognition devices across the city to enforce suspended drivers.	High risk drivers - All	Internal Staff Resources	-	<b>Completed:</b> Number of detections = 534,124 (up 21% from 2021) Number of Hits = 63,152 (up 35% from 2021) Number of suspensions = 198 (up 21% from 2021)	Ottawa Police Services
Partner Initiative	<b>Selective Traffic Enforcement Program (STEP)</b> Conduct monthly enforcement initiatives related to - Follow too close, stop sign violations, unsafe lane changes, red-light running, school bus/school safety zone, impaired driving, unsafe vehicles and heavy trucks, cycling safety, motorcycle safety, pedestrian safety, speeding, construction zones, distracted driving, etc...	High risk drivers - All	Internal Staff Resources	-	<b>Inactive:</b> Enforcement scheduled for 2023 STEP program planned to be part of the New Traffic Enforcement Plan.	Ottawa Police Services
Road Safety Action Plan Program	<b>30 km/h Designs for Local Roads</b> Continue to include design elements identified in the 30 km/h Design Guideline to achieve a 30 km/h target speed for new roadways, or reconstructions.	High risk drivers - Aggressive	Internal Staff Resources	-	<b>In-progress:</b> 30 km/h design elements included in 6 upcoming integrated road, sewer and watermain reconstruction projects.	Traffic Services, Transportation Planning, Planning Services, Infrastructure Services
Road Safety Action Plan Program	<b>Automated Speed Enforcement</b> Install 12 new Automated Speed Enforcement Cameras in the vicinity of schools.	High risk drivers - Aggressive	2022 Automated Speed enforcement Camera	-	<b>Partially Completed:</b> 9 ASE locations installed (3 sites as part of Q4 2021 ASE report commitment, 6 sites as part of 2022 RSAP commitment). Construction planned for the remaining 6 ASE sites by end of Q2 2023.	Traffic Services
Speed Limit Changes	<b>Gateway Speed Limit Signs</b> Install Gateway Speed Limit signage to establish 40 km/h or 30 km/h speed limit areas within neighbourhoods as per existing policies to double number of annual installations to one per ward.	High risk drivers - Aggressive	2022 Road Safety Action Plan Program	50,000	<b>In-progress:</b> Installed new gateway speed limit signage in 17 wards.	Traffic Services
Road Safety Action Plan Program	<b>New - Conduct a Review of the Best Delivery Model for School Bus Camera</b> Work with the school bus consortia and stakeholders to review and establish the best delivery method for a school bus camera program. The goal is to report back to TRC in Q2 2023 with an implementation plan for the program.	High risk drivers - Aggressive	Internal Staff Resources	100,000	<b>In-progress:</b> Study underway, completed jurisdictional review and stakeholder consultations. Draft consultant report expected Q1 2023.	Traffic Services
Road Safety Action Plan Program	<b>New - Development of Selection Criteria for Playground and High-Speed Sites</b> Site selection criteria will be developed to ensure a data driven, consistent approach for selection and implementation of speed cameras at: - playgrounds; and, - locations with high levels of speeding and/or street racing.	High risk drivers - Aggressive	2022 Road Safety Action Plan Program	120,000	<b>Completed:</b> Final report received, proposed playground and high speed sites under currently under review.	Traffic Services
Road Safety Action Plan Program	<b>New - School Zone Policy Update</b> Review best practices and develop an update to the policy for selecting school areas and zones. Updated policy and selection criteria, as approved by Council, to be in effect by Q3, 2023.	High risk drivers - Aggressive	2022 Road Safety Action Plan Program	80,000	<b>In-progress:</b> Study underway.	Traffic Services

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Traffic Calming in School Areas	<b>Traffic Calming in School Areas</b> Following established program requirements, implement engineered traffic calming measures in the vicinity of 3 schools.	High risk drivers - Aggressive	2022 Road Safety Action Plan Program	600,000	<b>In-progress:</b> Development of concept plan underway. Detailed design planned in 2023, construction late 2023/early 2024.	Traffic Services, Transportation Planning, Infrastructure Services Ottawa Public Health
Road Safety Action Plan Program	<b>Road Safety Audits</b> Implement guidelines and support various stakeholders in the RSA process. Continue to consult with Development Industry and seek input on RSA requirements for developer led projects on City right-of-way.	Road Safety Culture	Internal Staff Resources	-	<b>In-progress:</b> 10 RSAs conducted for City led transportation projects. <b>Inactive:</b> More consultation is required to develop RSA requirements for developer led projects.	Traffic Services, Transportation Planning, Infrastructure Services
Safer Roads Ottawa	<b>Road Safety Communications &amp; Education Strategy</b> Continue to deliver initiatives identified in the 2021-2022 Communications/ Education Strategy with an emphasis on changing road safety culture of road users across the City. Development of the 2023-2024 RSAP Communications Strategy.	Road Safety Culture	2022 Safer Roads Ottawa	-	<b>Completed:</b> delivered 2022 strategy. <b>In-progress:</b> Initiated 2023/2024 strategy.	Traffic Services, Public Information & Media Relations, Ottawa Public Health
Road Safety Action Plan Program	<b>Road Safety Training Course (Safety School)</b> Continue to delivery virtual training sessions for all staff within the city who make decisions about the transportation network to help create a road safety culture within the City. The course focuses on contributing factors to collisions, human factors associated with design and how road users use the system. Deliver five virtual training sessions in 2022 and one training session developed for elected officials after the 2022 municipal election.	Road Safety Culture	2022 Road Safety Action Plan Program	30,000	<b>In-progress:</b> 4 courses delivered, attended by 77 staff. <b>On-Hold:</b> 5th staff session postponed to 2023. Training for elected officials to be delivered in 2023.	Traffic Services
Partner initiative	<b>Fatal Collision Review Committee (FCRC)</b> Undertake review of all fatal collisions in the city to determine contributing factors, as per the terms of reference of the FCRC.	All	Internal Staff Resources	-	<b>In-progress:</b> ongoing monthly meetings, FCRC meetings following the occurrence of a fatal collision.	Ottawa Police Services, Traffic Services, Regional Supervising Coroner
Partner initiative	<b>NEW - Traffic Enforcement Plan</b> Develop a data driven, intelligence-based traffic enforcement plan which includes initiatives to support the Road Safety Action Plan. Deliver identified enforcement initiatives as resources permit.	All	Internal Staff Resources	-	<b>In-progress:</b> Draft report in-progress. To be completed Q1 2023.	Ottawa Police Services
Safer Roads Ottawa	<b>Various Community Outreach Activities</b> Undertake 30 Safer Roads Ottawa engagement initiatives per year at various locations. Modify delivery format due to continued presence of COVID-19.	All	2022 Safer Roads Ottawa	-	<b>Completed:</b> 48 events (attended in-person or supported).	Traffic Services