

Document 2: 2024 Road Safety Action Plan (RSAP) - Implementation Plan - INITIATIVES

In the table below are listed the initiatives that will be undertaken as part of the 2024 RSAP Implementation Plan. Initiatives include those funded by the \$20.5 million allocated in the City's Draft 2024 Budget for the Road Safety Action Plan Program.

2024 Draft Budget RSAP Funding:

Lead	Initiative Description and Deliverables	Emphasis Area	Funding Source	2024 RSAP Budget	Delivered by
Safer Roads Ottawa	Be Safe Be Seen Initiative is focused on raising the awareness of all vulnerable road users to be more visible when travelling on Ottawa roads. As part of the initiative, reflective gear will be distributed to residents throughout fall with a focus on cycling and pedestrian safety.	Vulnerable Road Users - Pedestrians/Cyclists	2024 Safer Roads Ottawa	–	Traffic Services, Ottawa Fire Services, Ottawa Police Services, Ottawa Public Health
Safer Roads Ottawa	NEW - Interactive Educational Event to Promote Cycling & Pedestrian Safety Near Heavy Vehicles. Conduct 4 interactive events using heavy vehicles, bicycles and life-sized pedestrian cut-outs situated around the heavy vehicle in various locations, including some visible to the driver and some in the large and dangerous blind spots.	Vulnerable Road Users - Pedestrians/Cyclists	2024 Safer Roads Ottawa	–	Traffic Services
Safer Roads Ottawa	Education and Outreach about New Pedestrian Infrastructure 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	2024 Road Safety Action Plan Program	–	Traffic Services, Ottawa Police Services, Ottawa Public Health
Road Safety Action Plan Program	NEW - Conduct a Review of Screening Criteria for the Pedestrian Safety Evaluation Program (PSEP) Conduct a review of the screening criteria for PSEP to incorporate both collision and conflict analysis in the identification of locations for geometric modification to improve on pedestrian safety. Report back to Transportation Committee in 2024 on the results of the new criteria.	Vulnerable Road Users - Pedestrians	2024 Road Safety Action Plan Program	150,000	Traffic Services
Road Safety Action Plan Program	Ladder Markings Implement high-visibility ladder markings at 10 locations.	Vulnerable Road Users - Pedestrians	2024 Road Safety Action Plan Program	25,000	Traffic Services
Road Safety Action Plan Program	Decorative Ladder Markings Guideline Conduct pilot study to assess the performance and safety factors associated with decorative pavement markings. Data collection and review will be conducted at a pilot site before and after to determine how they perform. That information, together with the national guidance from the Transportation Association of Canada will then be used to help the City develop a policy to evaluate and develop a standard process for the application of decorative pavement markings from a safety, human factors, operations and maintenance perspective.	Vulnerable Road Users - Pedestrians	2024 Road Safety Action Plan Program	20,000	Traffic Services
Road Safety Action Plan Program	Leading Pedestrian Interval & No Right Turn on Red Proactively review 300 locations applying leading pedestrian interval (LPI) criteria, implementing LPI and/or No Right Turn on Red, where criteria is met.	Vulnerable Road Users - Pedestrians	Internal Staff Resources	–	Traffic Services
Advanced Traffic Management Systems	Joined Pedestrian Signal Phasing Continue to 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	–	Traffic Services
New Traffic Control Devices Program	Pedestrian Crossover Enhancements Allocate funding to the PXO Program to address locations with low compliance.	Vulnerable Road Users - Pedestrians	2024 Road Safety Action Plan Program	195,000	Traffic Services

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Pedestrian Safety Evaluation Program	Pedestrians Safety Enhancements Allocate additional funding to the Pedestrian Safety Evaluation Program (PSEP) to proceed to construction of pedestrian safety improvements at two intersections (Carling Avenue and Edgeworth Avenue; LaFontaine Avenue and McArthur Avenue). Allocate additional funding to the 2024 Pedestrian Safety Evaluation Program for detailed design of selected 2024 location (to be selected through new PSEP screening process).	Vulnerable Road Users - Pedestrians	2024 Road Safety Action Plan Program	2,400,000	Traffic Services
Pedestrian Accessibility and Intersection Ramping Program	Pedestrian Accessibility Enhancements Allocated additional funding to the Pedestrian Accessibility and Intersection Ramping Program (PAIR) to help address required accessibility retrofits for PAIR Program locations in a more timely fashion.	Vulnerable Road Users - Pedestrians	2025 Road Safety Action Plan Program	200,000	Traffic Services
Safer Roads Ottawa	Motorcycle Safety Courses Provide training for 100 riders through a subsidized training program.	Vulnerable Road Users - Motorcyclists	2024 Road Safety Action Plan Program	100,000	Traffic Services
Road Safety Action Plan Program	Motorcycle Safety Strategy Implement education, engineering and enforcement measures identified in the motorcycle safety strategy. This includes continued input from key internal and external stakeholders through the motorcycle safety working group and conducting annual collision data monitoring.	Vulnerable Road Users - Motorcyclists	2024 Road Safety Action Plan Program	50,000	Traffic Services
Cycling Safety Improvement Program	Cycling Safety Enhancements During Resurfacing 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	2024 Road Safety Action Plan Program	55,000	Traffic Services
Cycling Safety Improvement Program	Cycling Safety Enhancements Allocate construction funding to the Cycling Safety Improvement Program to implement cycling enhancements at the intersection of Elgin St. & Laurier Ave. and Laurier from Queen Elizabeth Driveway to Elgin. Allocate funding for functional and detailed design of three high volume cycling safety locations: Ogilvie Road and Cummings Avenue; King Edward Street and Sussex Drive; Alta Vista Drive and Industrial Avenue.	Vulnerable Road Users - Cyclists	2024 Road Safety Action Plan Program	6,200,000	Traffic Services Infrastructure Services
Advance Traffic Management Systems	Amber Lock With the completion of software development, locations will continue to be reviewed on an as request basis and implement per criteria in future.	Vulnerable Road Users - Cyclists	Internal Staff Resources	-	Traffic Services
Advanced Traffic Management Systems	Cycling Detection Feedback Bollard Continue to pilot the installation of cycling detection feedback bollards at signalized intersections or multi-use pathway crossings, where appropriate.	Vulnerable Road Users - Cyclists	2024 Advanced Traffic Management Systems Program	-	Traffic Services
Safer Roads Ottawa	Education and Outreach - Motorized Recreational Vehicles 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	2024 Road Safety Action Plan Program	20,000	Traffic Services
Road Safety Action Plan Program	Rural Curve Enhancements Enhanced delineation on horizontal curves identified through the new network screening process to improve safety. Enhance up to 5 locations.	Rural Area	2024 Road Safety Action Plan Program	25,000	Traffic Services

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Road Safety Action Plan Program	Rural Roadway Signage and Lighting 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	2024 Road Safety Action Plan Program	100,000	Traffic Services
Road Safety Action Plan Program	Rural Skewed Intersections Enhancements Allocate additional funding to implement geometric modifications at 1 rural skewed intersection (Dunrobin Road and Constance Bay Road). Allocate funding for functional and detailed design of two skewed intersections (Leitrim Road and Russell Road, and Canon Smith Drive and Fitzroy Street).	Rural Area	2024 Road Safety Action Plan Program	4,750,000	Traffic Services Infrastructure Services
Road Safety Action Plan Program	Safety Edges Implement safety edges on Rural Roads as part of the 2024 resurfacing program. Total number of corridors to be determined.	Rural Area	2024 Road Safety Action Plan Program	-	Traffic Services, Infrastructure Services
Road Safety Action Plan Program	Rumble Strips Implement rumble strips on Rural Roads as part of future resurfacing. Total number of corridors to be determined.	Rural Area	2024 Road Safety Action Plan Program	100,000	Traffic Services, Infrastructure Services
Road Maintenance	Shoulder Maintenance in Rural Areas Continue to review the shoulder maintenance priority process developed under 2020 RSAP. Upgrade approximately 20 linear km of gravel shoulders on rural roads to help reduce the occurrence of edge drop-off related incidents.	Rural Area	2024 Road Safety Action Plan Program	125,000	Roads Services, Traffic Services
Road Safety Action Plan Program	Protected Left-Turns Implement protected left turn phasing at up to 5 locations where no geometric revisions are required. Allocate construction funding to complete geometric modifications at the intersection of Earl Armstrong Drive and Spratt Road, required for protected left turn installation. Allocate funding for functional design for the intersections Alta Vista Drive and Smyth Road and Bantree Street and Innes Road, to allow for protected left turn installation.	Intersections	2024 Road Safety Action Plan Program	1,540,000	Traffic Services
Road Safety Action Plan Program	Rail Safety Studies Complete Detailed Safety Assessments (DSA) jointly with the rail authority at 5 at-grade rail crossing.	Intersections	2024 Road Safety Action Plan Program	25,000	Traffic Services, Rail Authority
New Traffic Control Devices Program	Traffic Control Devices Allocate funding to the New Traffic Control Devices Program for the construction of Percy Street and Laurier Avenue and for the functional and detailed design of 2 locations that meets warrants for traffic control signals (Longfields Drive and Jockvale Road and Bridgestone Drive and Eagleson Road).	Intersections	2024 Road Safety Action Plan Program	3,000,000	Traffic Services
Partner Initiative	OPS Intelligence-led Traffic Enforcement Plan Continue to support education and enforcement initiatives outlined in the intelligence-led Integrated Enforcement Initiative deployment model based on Road Safety Action Plan emphasis areas.	High risk drivers - All	Internal Staff Resources	-	Ottawa Police Services
Partner initiative	Teen Safety Week Deliver an impaired (drugs and alcohol) and distracted driving educational initiative targeted towards teens.	High risk drivers - Impaired/Distracted	Internal Staff Resources	-	Traffic Services, Ottawa Police Services

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Partner initiative	Impaired Driver Enforcement Continue to deliver impaired driver enforcement blitzes through the RIDE program and other impaired driver countermeasures throughout the City based on the OPS intelligence-led Traffic Enforcement Plan	High risk drivers - Impaired	Internal Staff Resources	–	Traffic Services, Ottawa Police Services, Ottawa Public Health
Partner Initiative	Leave the Phone Alone Deliver Distracted Driver Enforcement throughout the City on an ongoing basis.	High risk drivers - Distracted	Internal Staff Resources	–	Traffic Services, Ottawa Police Services
Partner initiative	Automated License Plate Recognition (ALPR) Enforcement Deploy Automated License Plate Recognition devices across the city to enforce suspended drivers.	High risk drivers - All	Internal Staff Resources	–	Ottawa Police Services
Road Safety Action Plan Program	30 km/h Designs for Local Roads 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	–	Traffic Services, Transportation Planning, Planning Services, Infrastructure Services
Road Safety Action Plan Program	Automated Speed Enforcement Install 20 new Automated Speed Enforcement Cameras in the vicinity of schools and playgrounds/parks.	High risk drivers - Aggressive	2024 Automated Speed Enforcement Camera	–	Traffic Services
Road Safety Action Plan Program	Automated Speed Enforcement Point-to-Point Technology Investigate the application of point-to-point speed enforcement technology. This technology involves locating speed enforcement cameras at two or more locations along a roadway. The average speed is calculated between the two points and vehicles not adhering to posted speed limits are identified. This technology may have potential applications along rural or urban arterial corridors.	High risk drivers - Aggressive	2024 Road Safety Action Plan Program	150,000	Traffic Services
Speed Limit Changes	Gateway Speed Limit Signs 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	2024 Road Safety Action Plan Program	50,000	Traffic Services
Road Safety Action Plan Program	Conduct a Review of the Best Delivery Model for School Bus Camera Report back to TRC in Q4 2024 with an implementation plan for the program based on the results of the work with the school bus consortia and stakeholders to review and establish the best delivery method for a school bus camera program.	High risk drivers - Aggressive	Internal Staff Resources	–	Traffic Services
Traffic Calming in School Areas	Traffic Calming in School Areas Following established program requirements, implement engineered traffic calming measures in the vicinity of 3 schools. Provide additional funding to Broadview Avenue Traffic Calming Project (partially funded by 2022 RSAP Implementation Plan)	High risk drivers - Aggressive	2024 Road Safety Action Plan Program	750,000	Traffic Services, Transportation Planning, Infrastructure Services Ottawa Public Health
Road Safety Action Plan Program	School Zone Flashing Beacon Update to Standards Amendments to Regulation 615 and the introduction of the new signage necessitated the review of these existing school zones in 2022 to ensure that they are compliant with updated regulations. Upgrades related to signage and beacon placement are required at a number of existing flashing beacon sites.	High risk drivers - Aggressive	2024 Road Safety Action Plan Program	100,000	Traffic Services

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Road Safety Action Plan Program	New - Speed Policy Review Review best practices and develop an update to the existing policy. The updated policy will also include a new School Zone Policy for selecting school areas and zone. Updated policy and criteria, as approved by Council, to be in effect by Q1, 2025.	High risk drivers - Aggressive	2025 Road Safety Action Plan Program	150,000	Traffic Services
Road Safety Action Plan Program	Road Safety Audits Continue to proactively implement road safety audits on City-led roadway design projects. Integrate through the Traffic Impact Assessment (TIA) process, RSA requirements for developer-led transportation projects within the City right-of-way.	Road Safety Culture	Internal Staff Resources	–	Traffic Services, Transportation Planning, Infrastructure Services
Safer Roads Ottawa	Road Safety Communications & Education Strategy Deliver initiatives identified in the New RSAP Communications/ Education Strategy with an emphasis on changing road safety culture of road users across the City.	Road Safety Culture	2024 Safer Roads Ottawa	–	Traffic Services, Public Information & Media Relations, Ottawa Public Health
Road Safety Action Plan Program	Road Safety Training Course (Safety School) Continue to deliver 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 2 training sessions for staff. Deliver 2 training sessions related to specific road safety issues impacting various departments.	Road Safety Culture	2024 Road Safety Action Plan Program	50,000	Traffic Services
Partner initiative	Fatal Collision Review Committee (FCRC) Undertake review of all fatal collisions in the city to determine contributing factors and assess possible education and engineering countermeasures, and consider viability of enforcement deployment as per the terms of reference of the FCRC.	All	Internal Staff Resources	–	Ottawa Police Services, Traffic Services, Regional Supervising Coroner, Ottawa Public Health
Safer Roads Ottawa	Various Community Outreach Activities Undertake 35 community engagement initiatives and events at various locations.	All	2024 Safer Roads Ottawa	–	Traffic Services
Advanced Traffic Management System / Traffic Incident Management	Pilot Advanced Technology for Road Safety Pilot new and innovative technologies and services related to enhancing road safety for all users of the road	All	2024 Road Safety Action Plan Program	100,000	Traffic Services
Road Safety Action Plan Program	Staffing Resource Requirements 1 Permanent FTE - Engineer, Road Safety 1 Permanent FTE - Coordinator, Safety Improvement Program	All	2024 Road Safety Action Plan Program	–	Traffic Services