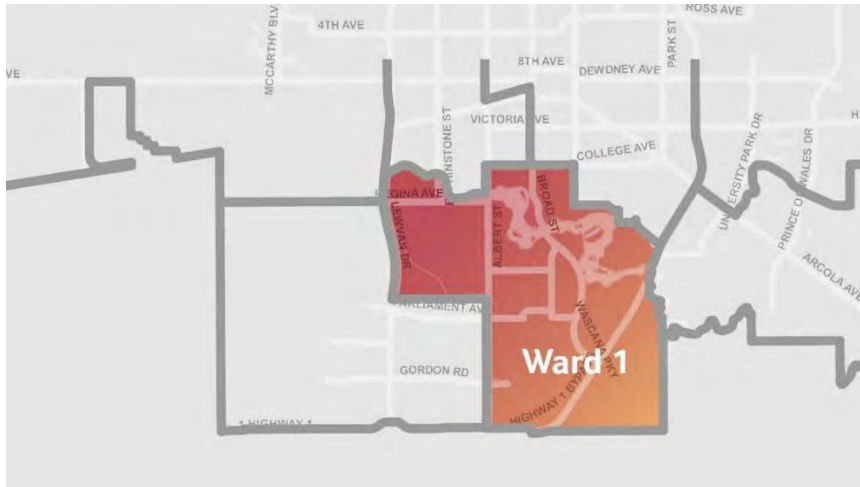


Ward 1 2022 Construction Projects



Residential Road Renewal Program (RRRP)

The RRRP was established in 2015 to improve livable neighbourhoods and the residential road network to a level and quality that is sustainable. Through comprehensive assessments of the road structure and surface, sidewalks, curbs and gutters, as well as underground infrastructure, this program identifies the appropriate treatments required on roads throughout the community to improve the overall health of the network. Since its inception, the RRRP has improved 166.8 kilometres of the City's residential roads with a total investment of \$93.1 million.

This program strives for 85 per cent of residential roads to be in fair or better condition and improves 20 kilometres or more roads per year by rebuilding, repairing and resurfacing through a dedicated budget every construction season. For efficiency, the program collaborates with the City's water, wastewater and stormwater utility to integrate improvements to the underground infrastructure.

Road Renewal – Full or selected sidewalk, curb and gutter replacement, followed by paving

- 20th Avenue - Queen Street to McTavish Street
- Garnet Street - Westgate Avenue to Hill Avenue
- McNab Crescent (West Leg) - Jubilee Avenue to Turgeon Crescent
- Munroe Place - Munroe Place to Hillsdale Street
- Richardson Crescent - Gordon Road to Frontenac Drive

Road Rebuild – Road structure renewal with or without underground infrastructure improvements, followed by full sidewalk, curb and gutter replacement and paving

- Acadia Drive - Academy Park Road to Parker Avenue (*with watermain replacement*)
- Langley Street - Jubilee Avenue to Martin Street
- Martin Street - Jubilee Avenue to Martin Street End (*with watermain replacement*)
- Procter Place (Phase II) - Parliament Avenue to 25th Avenue (*with watermain replacement*)

Surface Treatment – In addition, minimal concrete renewal may occur based on the maintenance distress inspection process prior to paving

- Acadia Bay - Acadia Bay End to Acadia Drive

Street Infrastructure Renewal Program (SIRP)

The Street Infrastructure Renewal Program is in place to improve the condition of existing major roadway assets. It is primarily focused on improving major roads, such as arterial and collector category roads.

A condition rating is used as an indicator for the health of the overall road network. It shows approximately 83 per cent of the paved surface of the arterial and collector sub-network is in fair condition or better and has remained stable during the last 20 years.

Our major roads are inspected with a physical assessment every three years by an external consultant. Sidewalks along major roads are inspected on an annual basis with the residential road inspections.

The assessment collects information, including pavement and concrete deficiencies, structural defects, remaining structural life and drainage distresses on the road surface and along the gutter.

Road Renewal – Full or selected sidewalk, curb and gutter replacement, followed by paving

- Grant Drive - Massey Road to Grant Road
- Lewvan Drive (southbound lane paving only) - Parliament Avenue to Regina Avenue
- Lewvan Drive (median and northbound left-turn bay only) - Regina Avenue to Intersection

Maintenance Pave

- Culliton Crescent - Spence Street (south leg) to Spence Street (north leg)
- Wascana Street - Pasqua Street to McPhail Avenue

Traffic

Installing and upgrading traffic and pedestrian signals to ensure the safety of the travelling public.

Pedestrian Safety

- 23rd Avenue and Scott Street
- 25th Avenue and Proctor Place
- 23rd Avenue near Laverndrye Way

On-Street Cycling and Multi-use Pathways

- Albert Street – 23rd Avenue to Hill Avenue (*tree planting adjacent to 2021 sidewalk widening project*)

Water Infrastructure Renewal Program

These projects help maintain and improve the water system to ensure safe, clean drinking water throughout our community. In addition to water system improvements completed in conjunction with road construction, several stand-alone water construction projects take place. The technology used for water main replacements are determined based on best value. Technologies can include low-dig methods, such as relining and directional drilling, or open trench construction.

Water Main Renewal

- 24th Avenue - Argyle Street to Albert Street
- Acadia Bay - Acadia Drive Bay to Acadia Drive
- Bryant Street - Uhrich Avenue to Munroe Place
- Deergrove Crescent - 154 Deergrove Crescent to Shannon Road (north leg)
- Knowles Crescent - Munroe Place to Davis Place
- Mayfair Crescent - Frontenac Drive to Spence Street
- Newlands Street - Anderson Avenue to Davis Place

Sewer Infrastructure Renewal Program

These projects renew and extend the life of our aging underground sewer main infrastructure. The City uses a cleaning and inspection method to determine what mains need to be renewed. Then, depending on the condition assessment, either relining or replacement techniques are used to renew the City's domestic and storm sewer infrastructure. Sewer relining is less invasive, more cost-effective and is a more efficient method than the traditional method of excavating and replacing the pipe. The cost to reline a sewer main is approximately one third the full replacement cost. These processes will renew and maintain the City's sewer main networks for another 50 plus years of service.

Domestic Main Renewal – all locations to be completed by end of 2023

- Academy Park Drive - 17 Academy Park Drive to Castle Road
- Academy Park Road - 79 Academy Park Road to 72 Academy Park Road
- Academy Road - Grant Road to Academy Park Drive
- Anderson Avenue - Newlands Drive to Bryant Street
- Balfour Drive - Bobolink Bay (west leg) to Massey Road

- Bell Street - Parliament Avenue to 77 Bell Street
- Bobolink Bay - 36 Bobolink Bay to Balfour Drive
- Bobolink Bay - 56 Bobolink Bay to Balfour Drive
- Bryant Street - Uhrich Avenue to Munroe Place
- Calder Crescent - Jubilee Avenue to 14 Calder Crescent
- Castle Bay - Castle Bay to Castle Road
- Castle Road - Grant Drive to Academy Park Road
- Champlain Drive - Cardinal Crescent to Grant Drive
- Chinook Road - 17 Chinook Road to Dufferin Road
- Cowan Crescent - 1890 Cowan Crescent to 1600 Cowan Crescent
- Cowburn Crescent - Grant Drive (west leg) to Grant Drive (east leg)
- Cross Place - 2499 Cross Place to Cowan Crescent
- Culliton Crescent - Spence Street to Culliton Crescent
- Daffodil Crescent - Dufferin Road to Durham Drive
- Darke Crescent - McNiven Avenue (west leg) to McNiven Avenue (east leg)
- Dogwood Place - Durham Drive to Dogwood Place
- Dufferin Road - Daffodil Crescent to Castle Road
- Dunning Crescent - Langley Street (south leg) to Langley Street (north leg)
- Emerald Park Road - Grant Drive to Grant Road
- Flamingo Crescent - 33 Falcon Bay to 21 Flamingo Crescent
- Fox Glove Crescent - 200 Frontenac Drive to 40 Fox Glove Crescent
- Frontenac Drive - 200 Frontenac Drive to 113 Frontenac Drive
- Frontenac Drive - Flamingo Crescent to 321 Frontenac Drive
- Frontenac Drive - 301 Frontenac Drive to Flamingo Crescent
- Haultain Crescent - 37 Haultain Crescent to Jubilee Avenue
- Hillsdale Street - Parker Avenue to Uhrich Avenue
- Jubilee Avenue - Hillsdale Street to Martin Street
- Knowles Crescent - Munroe Place to Knowles Street
- Knowles Street - Knowles Crescent to McPherson Avenue
- MacPherson Avenue - 2200 MacPherson Avenue to 1844 MacPherson Avenue
- Martin Street - McNiven Avenue to Jubilee Avenue
- Mayfair Crescent - Spence Street to 94 Mayfair Crescent
- McNab Crescent - 92 McNab Crescent to Turgeon Crescent
- McNiven Avenue - Martin Street to Patterson Drive
- Munroe Place - Knowles Crescent to Hillsdale Street
- Patterson Drive - McNiven Avenue (west leg) to 97 Patterson Drive
- Procter Place (west leg) - 187 Procter Place to 91 Procter Place
- Spence Street - Mayfair Crescent to Culliton Crescent
- Uhrich Avenue - Newlands Street to Hillsdale Street

Sewer Main Cleaning and Inspection (by area) – all locations to be completed by end of 2023

- Lakeview Area

Berms, Waterways and Drainage Improvements

These projects re-establish the water conveyance, quality and drainage of the City's waterways and overland drainage routes according to the legislative requirements of the Water Security Agency.

- Riverside Berm - Elphinstone Street to Albert Street

Facilities Asset Management

These are projects that renew and extend the life of our recreational, operations and protective services' facilities. These projects are to ensure the safety, efficiency and sustainability of our facilities for both City employees and the public for years to come.

Facilities Upgrades and Construction

- University Drive and Buffaloberry Way – Transit Shelter Renewal
- 2211 College Avenue – Wascana Pool Redevelopment Project
- 3025 McDonald Street - Leibel Field Turf Replacement
- 70 Massey Road – Murray Balfour Indoor Arena Upgrades
- 2910 Athol Street – Lakeview Outdoor Rink Replacement

Open Space Services

- Hillsdale Street - 23rd Avenue to Broad Street – centre median tree planting

Planning and Partnerships

- 4201 Castle Road - Elsie Dorsey Park Playground Improvements
- 2910 Athol Street - Lakeview Park Turf Establishment
- 3025 McDonald Street - Douglas Park Disc Golf Concrete Pad Construction

External Partners' Projects

- 2941 Lakeview Avenue (Phase II) - Argyle School Construction

Note - Due to the current supply chain constraints resulting from the COVID-19 Pandemic, some projects may have their scope modified or work may be deferred until later in 2022 or into 2023 if the work cannot be completed to the satisfaction of the City.