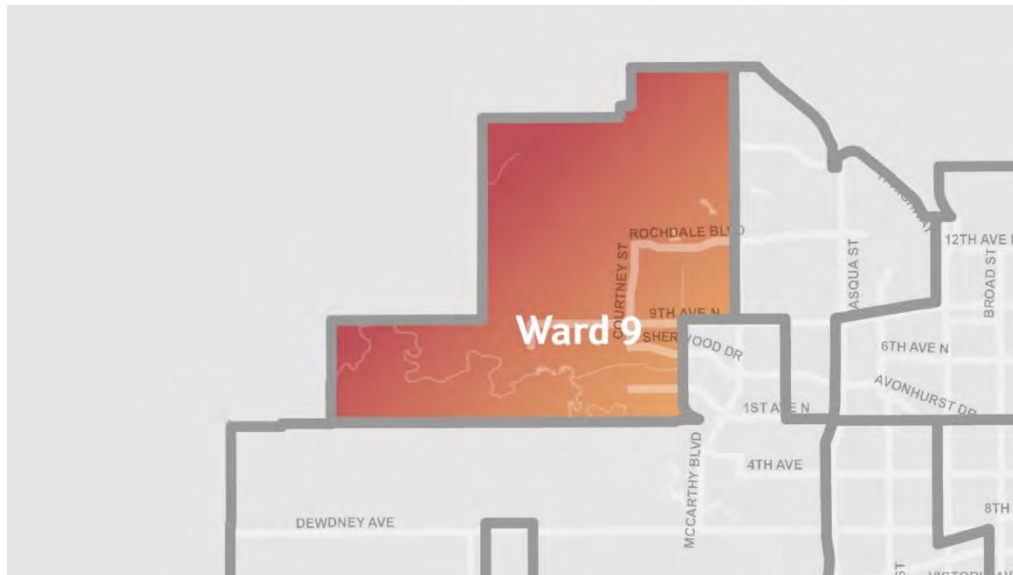


# Ward 9 - 2022 Construction Projects



## 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 of 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.

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

- Beamish Drive - Vanier Drive to Beamish Drive (east)
- Bennett Drive - Vanier Drive to Bennett Drive
- Collins Bay - Dolan Street to Collins Bay
- Dolan Street - Collins Bay to Wheatly Bay
- Hancock Bay - Dolan Street to Hancock Bay
- Hayworth Crescent - Dolan Street (south leg) to Dolan Street (north leg)

- Liggett Bay - Dolan Street to Liggett Bay
- Porteous Street - Beamish Drive to Bennett Drive
- Rimmer Bay - Porteous Street to Rimmer Bay
- Wheatly Bay - Battel Street to Wheatly Bay
- Worobetz Crescent - Beamish Drive to Vanier 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*

- 1st Avenue North - Dorothy Street to 7th Avenue North

## Bridge Infrastructure Renewal Program

- Pinkie Road Over Wascana Creek (*expected to start in Q4 of 2022*)

## Maintenance Pave

- Murphy Crescent – Dorothy Street to Sherwood Drive
- Rendek Crescent – Dorothy Street (south leg) to Dorothy (north leg)

## On-Street Cycling and Multi-use Pathways

- McCarthy Boulevard - Whelan Drive to Wadge Street

## New Road Construction

- Pinkie Road - Sherwood Drive to CN Rail Tracks (*Project on hold pending the results of additional site investigations*)

## Water Infrastructure Renewal Program

These projects help maintain and improve the water system to ensure safe, clean drinking water for 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*

- Whelan Drive - Courtney Street to Devonshire Drive (*water and sewer connections only*)
- Bard Crescent - Lansdowne Drive (south leg) to Lansdowne Drive (north leg)
- Samuels Crescent - Lansdowne Drive to Lansdowne Drive

## 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 to be used to renew the City's domestic and storm sewer infrastructure. Sewer relining is a more minimally invasive, cost-effective and a more efficient method than the traditional method of excavating and replacing the pipe, about 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.

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

- Prairie View 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.

- Joanne Goulet Golf Course and Wascana Creek

## Recreation

- 1127 Arnason Street - Northwest Leisure Centre Playground Repairs

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.