

## Ward 5 - 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.

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

- MacKenzie Crescent - Brown Street (south leg) to Brown Street (north leg)
- Thomson Avenue - Cannon Street to Fleet Street

### 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*

- Quance Street - Truesdale Drive to University Park Drive (*including bus connectivity at University Park Drive*)

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

- Victoria Avenue North Service Road – from Argan Drive to Dewdney Avenue

## Maintenance Pave

- Blair Bay - Truesdale Drive/Kilman Crescent to Blair Bay
- Bonneau Place - University Park Drive/Braun Bay to Bonneau Place
- Brodie Bay - University Park Drive/Wagman Drive to Brodie Bay
- Coleman Crescent - Fines Drive (west leg) to Fines Drive (east leg)
- Denny Crescent - Fines Drive to Bentley Drive
- Ehman Bay - Truesdale Drive/Kilman Crescent to Ehman Bay
- Gardiner Park Court - Truesdale Drive to Gardiner Park Court
- Hannon Bay - Truesdale Drive/Wagman Drive to Hannon Bay
- Hunter Place - Truesdale Drive/Lee Place to Hunter Place
- Lee Place - Truesdale Drive/Hunter Place to Lee Place
- Lexier Place - Newis Bay to Lexier Place
- Newis Bay - Lexier Place to Newis Bay
- Newis Bay - University Park Drive to Lexier Place
- Sturby Place - Wagman Drive to Sturby Place
- Winslow Bay - University Park Drive/Styles Crescent to Winslow Bay

## Traffic

Installing and upgrading traffic and pedestrian signals to improve safety

### *Pedestrian Safety*

- 2828 Dewdney Avenue (Judge Bryant School)

## 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*

- Gardiner Park Area
- Glencairn 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.

- Pilot Butte Creek - Victoria Avenue to Prince of Wales Drive
- Arens Road Crossing - University Park Drive to Crocus Drive

## 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*

- 2150 Prince of Wales Drive – Transit Shelter Renewal
- 2323 Quance Street – Transit Shelter Renewal
- Optimist Drive and Aurora Boulevard – Transit Shelter Renewal
- University Park Drive and Truesdale Drive – Transit Shelter Renewal
- 2700 East Arens Road - Fire Station #5 Heater Upgrade

## Recreation

- 1243 Rossie Drive - Parkridge Park Playground Repairs

\*Note - Due to the current supply chain constraints resulting from the COVID-19, 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.