

## Town of Riverview

### Engineering & Public Works Monthly Report



To: Colin Smith, CAO

Prepared by: Engineering & Public Works

Date: January 18, 2023

Month & Year: November 16, 2022 – January 15, 2023

#### Section 1: Operational Dashboard

Updated by Christine Hoffman

Metric	Current Period	Previous Period	Annual Result	Annual Trend
Number of customer calls with inquiries or concerns <b>(Nov 16- Dec 31)</b>	n/a	161	n/a	
Number of customer calls with inquiries or concerns <b>(Jan 1-15)</b>	n/a	n/a	n/a	-
Asphalt patching using recycled asphalt <b>(Nov 16- Dec 31)</b>	3.2 tonnes	0	156.9 tonnes	up
Asphalt patching using recycled asphalt <b>(Jan 1-15)</b>	42 Tonnes	3.2 Tonnes	45.2 Tonnes	up
Water main breaks <b>(Nov 16- Dec 31)</b>	3	1	26	up
Water main breaks <b>(Jan 1-15)</b>	2	0	0	-

#### Section 2: Capital & Operating Project Updates

Updated by Paul Richard/Steven LeBouthillier/Michel Ouellet

Description	Status
Asphalt Concrete Paving Various Streets	<ul style="list-style-type: none"><li>Asphalt seal (Montgomery Phase 2, Bradford (Cleveland to Montgomery))</li><li>Asphalt resurfacing (Lakeside, Pinder)</li><li>Saff is working on the tender preparation for a mid-February tender date</li></ul>
Watermain Replacement (trench only) Yale	<ul style="list-style-type: none"><li>The consultant, Mentra is working with Town staff on the design for a March tender date.</li></ul>

Hillsborough Road Watermain (Old Coach to Harmony)	<ul style="list-style-type: none"> <li>The department is working on the design for a March tender date</li> </ul>
Local Improvement - Windsor	<ul style="list-style-type: none"> <li>The consultant, WSP is working with Town staff, on the design for a March tender date.</li> <li>The project is a local improvement and will need to follow the schedule and process for local improvements.</li> </ul>
Local Improvement - Elmore	<ul style="list-style-type: none"> <li>The consultant, WSP is working with Town staff, on the design for a March tender date.</li> <li>The project is a local improvement and will need to follow the schedule and process for local improvements.</li> </ul>
Local Improvement – Darwin & Birkdale	<ul style="list-style-type: none"> <li>The consultant, Englobe, is working with Town staff, on the design for a March tender date.</li> <li>The project is a local improvement and will need to follow the schedule and process for local improvements.</li> </ul>
Local Improvement - Inwood	<ul style="list-style-type: none"> <li>Town staff are working on the design for a March tender date.</li> <li>The project is a local improvement and will need to follow the schedule and process for local improvements.</li> </ul>
Watermain Replacement (trench only) Biggs	<ul style="list-style-type: none"> <li>The design is being done by Town staff for an April tender date.</li> </ul>
Buckingham intersection traffic signal controller	<ul style="list-style-type: none"> <li>We will be tendering for this work this summer.</li> </ul>
Replacing u/g Wires - Pembroke, Henderson	<ul style="list-style-type: none"> <li>The department is working on the design for tender for an late March tender date.</li> </ul>
Repairs to the Salt Dome	<ul style="list-style-type: none"> <li>We are working with Martin on procurement of services to conduct the repairs once the salt is used.</li> </ul>
Expansion of boosted zone in Carriage Hill	<ul style="list-style-type: none"> <li>Exp is working on design for this work.</li> </ul>
Runnymede Tank Relining	<ul style="list-style-type: none"> <li>We are reviewing engineering proposals and will award in January.</li> </ul>

### Section 3: Department Annual Operational Priorities

Updated by Geoff Crossman

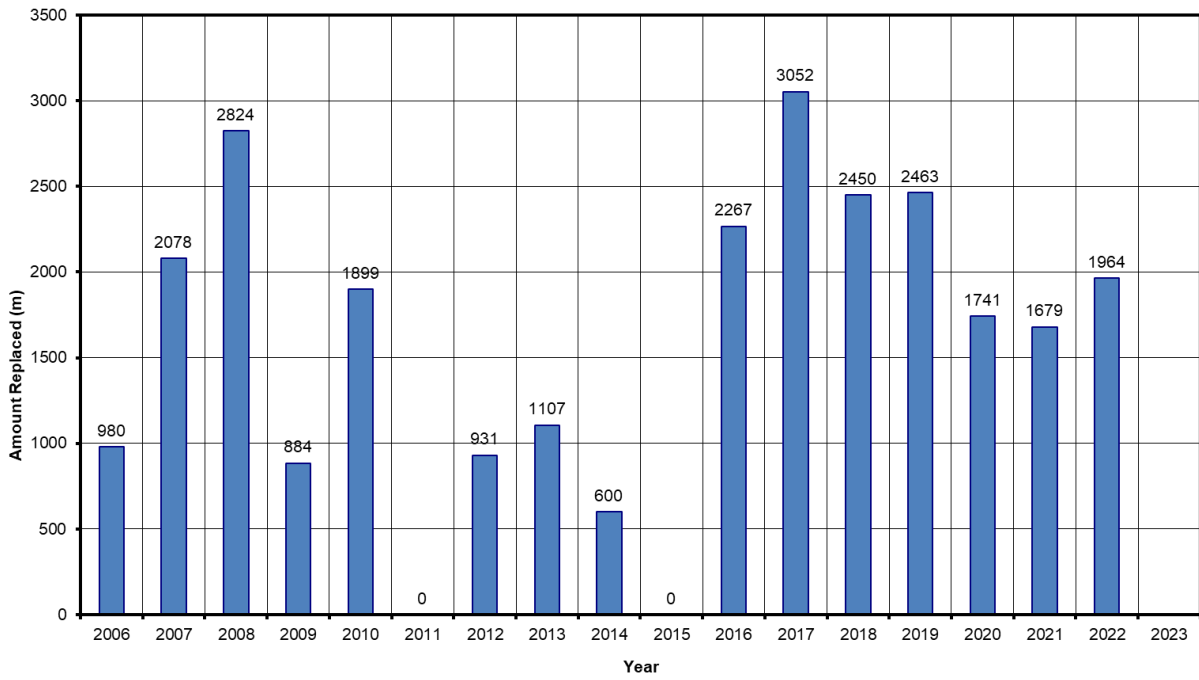
Description	Status
Snow Removal	<ul style="list-style-type: none"><li>• Crews have been busy recently with several snow events. We have managed to meet our expected levels of service and maintain clear roads.</li></ul>
Asphalt Patching	<ul style="list-style-type: none"><li>• Asphalt patching to commence and continue as weather permits.</li></ul>

### Section 4: Other Notable Development & Highlights for Council's Attention:

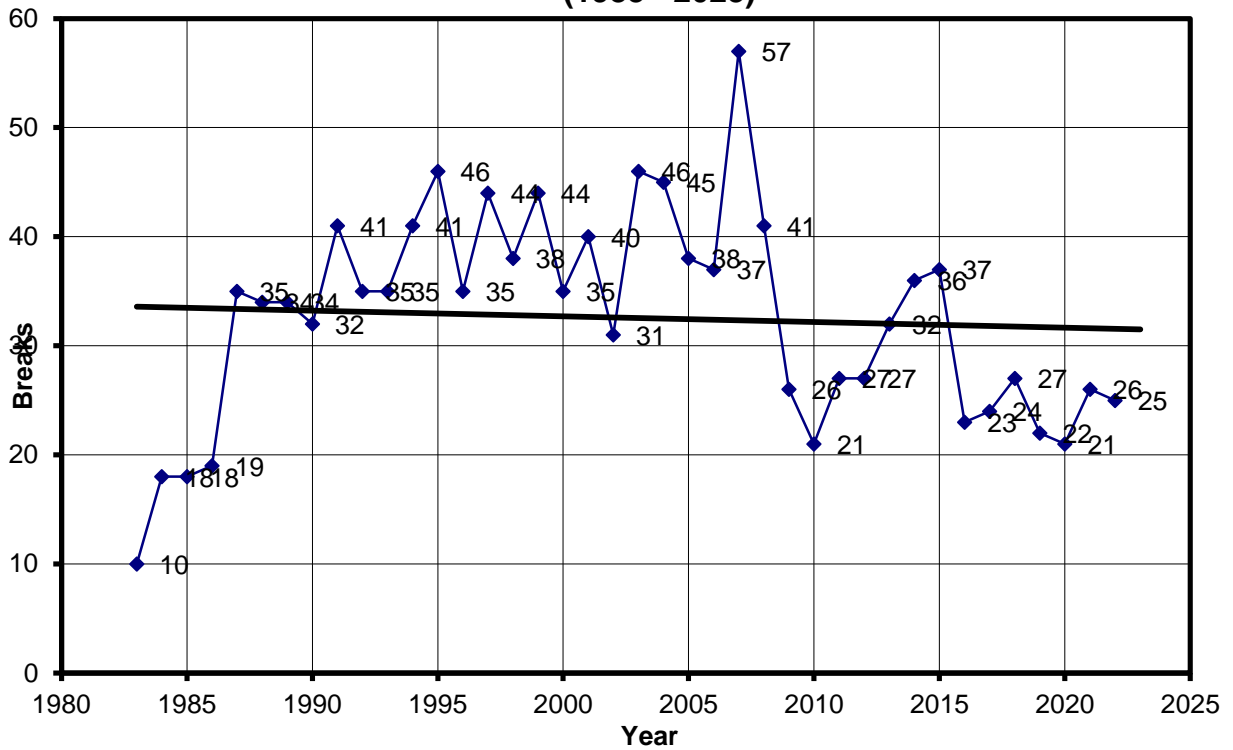
#### Watermain Replacement Program – Yearly update

The following two charts depict the amount of watermain breaks on cast iron pipes within the Town and the level of efforts to replace these pipes over the years. In 2022, we had 25 breaks and replaced over 1,900m of CI with new PVC. Since 2006, Council has made a considerable investment of approximately \$2.0M per year towards efforts of replacing cast iron water pipes. These efforts have shown a significant reduction in the amounts of water breaks from an average of 44 breaks per year prior to 2006 to approximately 24 breaks per year in recent years. So far, we have replaced almost 27,000m of mainline water pipes and at this rate we will replace all the cast iron by 2040. We still have approximately 38km (or 32% of the overall system) of cast iron water mains to replace.

**Cast Iron Watermain Replacement Program  
(2006 - 2023)**



**Water Main Breaks  
(1983 - 2023)**



## Use of Garbage Bins/Containers

Last year, Council asked if we should add the statement that green waste should be placed in a waste bin or container to the by-law relating to the collection and disposal of waste in the Town. As similar statement was added in Dieppe in 2021 (*place the green transparent bags in a container or other receptacle fitted with a lid*).

The change was reviewed in Riverview, and it was concluded that the problem caused by having green waste placed without container was not widespread and homeowners realized by themselves that the use of bins provided a much cleaner process of collection.

The advantages of using containers for green waste are:

1. Reduces the possibility of small nuisance animals, rodents, birds, or other from having access to the green waste placed at curbside.
2. Prevents the discharge of green waste into the environment caused by wind once the animals have opened the bag.

The disadvantages of imposing the use of container for green waste:

1. Once the garbage is collected, the homeowner needs to collect the bin. Uncollected bins can be transported by the wind in the travel roadway making it a dangerous nuisance to motorists.
2. Uncollected bins will be a nuisance to plows during winter storm days. Generally, we coordinate plowing with the collection contractor, allowing the waste contractor to remove the garbage before we plow each area.
3. Once in the by-law, it would be up to our waste collector to report the infraction and they would be instructed not to collect the green bags if not in bins. This would be a significant by-law change requiring enforcement.
4. Once the infraction is noted, it would be up to our by-law enforcement to follow-up and enforcing the by-law up to and including penalties.
5. In Dieppe, for example, it took approximately 1-yr to reach general compliance.

I recommend the Town promotes the benefits of using waste containers with attached lids or without lids when dealing with areas prone to nuisance animals, rodents, or birds. However, for now, the use of the containers would be optional and at the homeowner's discretion.