

PROJECT UPDATE

Duggan Tunnel Replacement Project

OCTOBER 2024

PROJECT OVERVIEW

EPCOR is responsible for maintaining drainage infrastructure in Edmonton. As the infrastructure ages, it deteriorates. The current Duggan sanitary tunnel provides service to neighbourhoods in southwest Edmonton and has been identified for replacement. Construction of a new sanitary sewer tunnel is underway to service neighbourhoods from Steinhauer up to Bonnie Doon.

The alignment of the new tunnel is along 111 Street from Saddleback Road/29A Avenue, east along 34 Avenue, and then north on 106 Street to north of L.Y. Cairns School.

EPCOR is aware of sewer odour issues in several neighbourhoods along the alignment of the Duggan Tunnel. With completion of the new tunnel, we expect these odour issues to be notably diminished.

This project is part of EPCOR's Corrosion and Odour Reduction Strategy (CORe). The strategy aims to understand and mitigate sewer odour issues and will result in significantly reduced sewer odour city-wide by 2031.

The majority of the work is underground using a tunnel boring machine (TBM). However, there are multiple work sites (shaft locations) along the tunnel alignment to allow the TBM to be lowered underground to excavate, turn corners, and be removed when tunneling is complete.

This project is broken down geographically into five zones which follow the alignment of the new tunnel:

- **Zone A** – 111 Street from Saddleback Road/29A Avenue to 34 Avenue
- **Zone B** – 34 Avenue from 111 Street to 106 Street
- **Zone C** – 106 Street from 36A Avenue to 38 Avenue
- **Zone D** – 106 Street from 40 Avenue to Whitemud Drive
- **Zone E** – 106 Street and 45 Avenue to L.Y. Cairns School

Construction has begun in all zones.

WHAT'S HAPPENING

Construction has been underway since March 2023. Some worksites will be completed soon and there have been updates to the timelines on others.

Unforeseen challenges at Worksites #1A, #4, #5, #6 and #12 have extended timelines in these areas. Most tunneling is complete and the remaining work includes making underground connections, installing manholes and restoration. Overall construction is expected to be completed by **mid-2025**.

Please note, timelines are estimates and may change based on work progress, material procurement, unforeseen delays, weather and construction conditions.

SCHEDULE

Regular working hours are **7:00 a.m. to 7:00 p.m. Monday to Saturday**. If required, these hours may be extended, and construction may occur on **Sundays from 9:00 a.m. to 5:00 p.m.**

SAFETY

Construction areas are fenced and/or marked as restricted areas. We will take every precaution to ensure public safety, and we request your assistance in keeping children and pets a safe distance from the construction site and the equipment.

We thank you for your patience and understanding as we perform this necessary work.

OVERALL PROJECT AREA



ACTIVE WORKSITES

The following worksites are currently underway.

Zone A: 111 Street from Saddleback Road/ 29A Avenue to 34 Avenue

- **Worksite #1A** – Northbound 111 Street at 29A Avenue
 - Completion expected in summer 2025.
- **Worksite #1B** – 111 Street southbound, left turn lane onto 29A Avenue
 - Completion in summer 2025.
- **Worksite #2** – In the green space east of 111 Street and south of 34 Avenue
 - Completion expected in spring 2025.

Zone B: 34 Avenue from 111 Street to 106 Street

- **Worksite #4** – Northbound on 106 Street and north of 34 Avenue
 - Completion expected in spring 2025.

Zone C: 106 Street from 36A Avenue to 38 Avenue

- **Worksite #5** – Intersection of 106 Street and 36A Avenue
 - Completion expected in spring 2025.
- **Worksite #6** – Northbound on 106 Street and north of 36A Avenue
 - Completion expected in spring 2025.

Zone D: 106 Street from 40 Avenue to Whitemud Drive

- **Worksite #8** – Southbound on 106 Street and south of 41 Avenue
 - Completion expected in spring 2025.
- **Worksite #9** – Southbound on 106 Street and south of Whitemud Drive
 - Completion expected in spring 2025.
- **Worksite #10** – Northbound on 106 Street south of Whitemud Drive
 - Completion expected in spring 2025.

Zone E: 106 Street and 45 Avenue to L.Y. Cairns

- **Worksite #11** – Intersection of 45 Avenue and 106 Street
 - Completion in fall 2024.
- **Worksite #12** – 45 Avenue east of 106 Street
 - Completion in spring 2025.

Timelines are estimates and may change based on work progress, material procurement, unforeseen delays, weather and construction conditions.

Please note, impacts may change based on City of Edmonton Traffic approvals.

Restoration and additional minor works to connect the new system will occur in late 2024 through mid-2025.

FUTURE WORKSITES

The following location will be used as a future worksite.

Zone E: 106 Street and 45 Avenue to L.Y. Cairns

- **Worksite #13** – 104A Street north of 45 Avenue
 - Construction is anticipated to start in late 2024 with completion in spring 2025.
 - More information, including traffic impacts and timelines, will be shared with residents adjacent to the work areas in a construction notice prior to work starting.

COMPLETED WORKSITES

The following worksites were completed.

Zone B: 34 Avenue from 111 Street to 106 Street

- **Worksite #3** – Eastbound on 34 Avenue, between 111 Street and 106 Street
 - Construction began in March 2023 and is now completed, including pavement and landscaping restoration.

Zone D: 106 Street from 40 Avenue to Whitemud Drive

- **Worksite #7** – Intersection of 106 Street and 40 Avenue
 - Construction began in July 2023 and is now completed, including pavement and landscaping restoration.

MORE INFORMATION

EPCOR

Phone: 780-412-4200

E-mail: epcorprojects@epcor.com

Website: epcor.com/duggan

