

# TERWILLEGAR DRIVE EXPANSION PROGRAM

Edmonton

Fall 2024

Terwillegar Drive is being upgraded in stages to reduce congestion and provide current and future users, including those who drive, walk, bike and take transit, a safe and efficient route. Design for Stage Three is underway, with construction continuing on Stage One and Stage Two.

## Project Updates

### Stage One: Terwillegar Drive between Anthony Henday Drive and Whitemud Drive

Stage One construction and paving is now complete. Final landscaping is also nearing completion.

- + Stage One North (Rabbit Hill Road to Whitemud Drive)
  - + General maintenance is anticipated to be completed this fall, including watering planting beds and reseeding as required. This may have minor impacts on traffic when maintenance vehicles are on site.
- + Stage One South (Anthony Henday Drive to Rabbit Hill Road)
  - + Landscaping of this section will continue into the fall. Drivers can expect occasional lane closures for construction equipment. There may also be periodic, brief closures of the shared pathway with flag people to manage cyclist and pedestrian movements.

### Stage Two: Terwillegar Drive and Whitemud Drive Interchange Upgrades and Widening of Whitemud Drive: Terwillegar Drive to 122 Street

Year two of construction is underway. Construction is anticipated to be substantially complete in 2026.

Stage Two: Improvements at-a-glance

- + Whitemud Drive widening between Terwillegar Drive and 122 Street
- + Rehabilitation and widening of Rainbow Valley Bridges: four lanes in each direction plus shoulders
- + Whitemud Drive/Terwillegar Drive interchange widening and improvements
- + Bus-only lane southbound from 53 Avenue to Terwillegar Drive/Whitemud Drive interchange
- + Ramsay Heights noise wall
- + Active transportation improvements including two new pedestrian bridges at 142 Street over Whitemud Drive and Rainbow Valley Road Bridge (parallel to the traffic bridge)



Stage Two Rainbow Valley Bridge construction



Stage Two Rainbow Valley Bridges construction facing northeast.

## Stage Three: Terwillegar Drive and Anthony Henday Drive Interchange and Widening of Terwillegar Drive to 170 Street

The Province of Alberta announced additional funding to complete Stage Three as part of their 2024 budget. This stage will include upgrades to ensure the area can accommodate all users safely and efficiently, now and in the future. Site preparations may begin in late 2024, with construction anticipated as early as late 2025.

Key upgrades:

- + Terwillegar Drive and 170 Street will be widened, and the interchange at Terwillegar Drive/170 Street will be improved to better support traffic flow.
- + A new pedestrian bridge will be built across Anthony Henday Drive, providing a safe route for those who walk, cycle and roll. The design includes an extended shared pathway to tie into the shared pathway in south Terwillegar that was completed as part of Stage One.
- + New bus-only lanes will be added to improve transit (matching designs of the other stages).
- + A partial cloverleaf interchange will be built, including a new northbound bridge and loop ramps. This will improve access from Terwillegar Drive/170 Street to Anthony Henday Drive and handle future traffic demands.

## Changes to Pathway Plans

Based on technical requirements, safety considerations, and feedback from community engagement in early 2022, the shared pathway will now be separate from the Terwillegar Drive roadway and interchange.

As part of Stage Three work, the Stage One shared pathway will be extended south along 156 Street through South Terwillegar, and a new pedestrian bridge will be constructed over Anthony Henday Drive between Terwillegar Drive and Rabbit Hill Road. The pedestrian bridge will connect the recently completed Stage One shared pathway with Ambleside, east of Currents of Windermere. This is a change from the initial design shared in 2022.

## Changes to Transit Lanes

In the northbound direction, the starting point of the dedicated transit lane has been moved north of Windermere Boulevard, to about 300 m south of the interchange. The lane is still expected to provide for the reliable and fast accommodation of planned transit services. No changes were made to the southbound dedicated transit lane, which will end just south of the interchange.

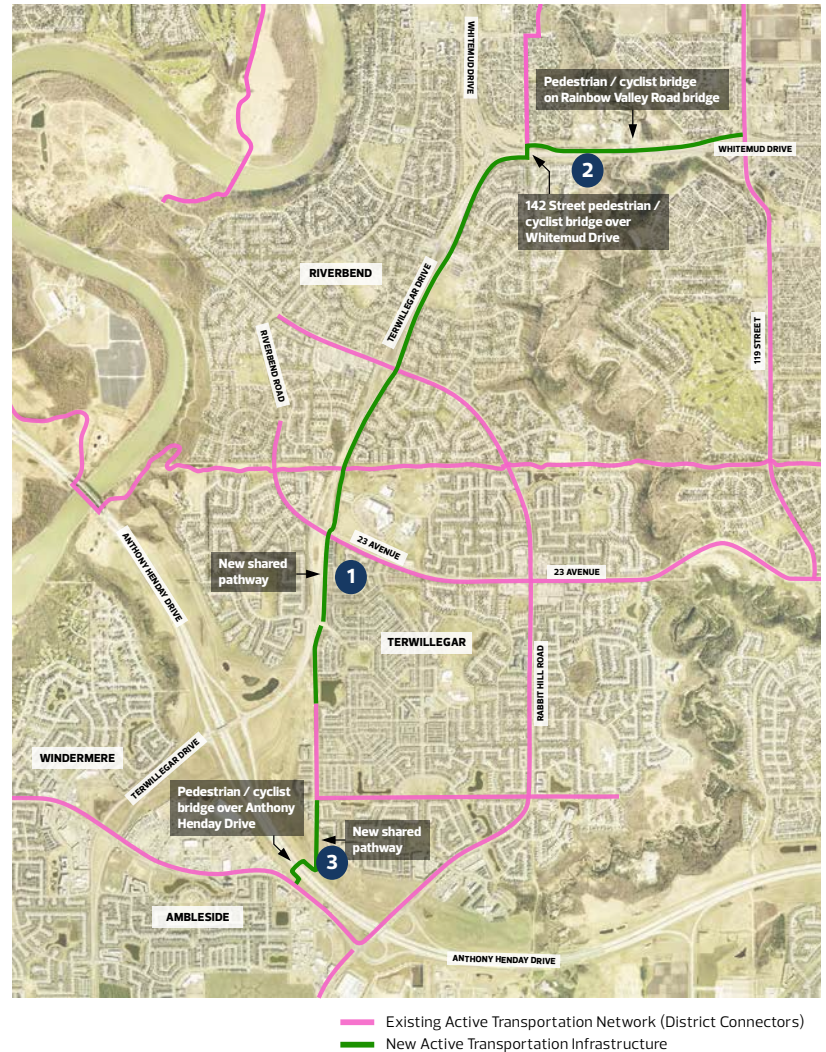
**Stage Three is funded by the Government of Alberta. Planning, design and delivery of the project is led by the City of Edmonton in partnership with Alberta Transportation and Economic Corridors.**



## Active Transportation Improvements

The Terwillegar Drive Expansion includes new active transportation connections expanding the City's pedestrian and cyclist network in southwest Edmonton. Once complete, active transportation users will be able to travel from Ambleside, south of Anthony Henday Drive, to the broader active transportation network north of Whitemud Drive and east of 122 Street.

- 1 Stage One added a shared pathway on the east side of Terwillegar Drive including connections to the adjacent neighbourhoods. The connection extends from Haddow Drive to the future 142 Street Pedestrian/Cyclist Bridge (Stage Two) which will cross Whitemud Drive.
- 2 As part of Stage Two, upgrades to the existing shared pathway through Rainbow Valley, between 122 Street and 142 Street, will enhance safety and make it more user-friendly. As part of this upgraded connection, a new pedestrian and cyclist bridge will be built parallel to the Rainbow Valley Bridges on the north side, replacing the old, narrow pedestrian walkway. This improvement will move active transportation users away from vehicle traffic on the bridge.
- 3 As part of Stage Three, the Stage One shared pathway will be extended south across Anthony Henday Drive to Ambleside, east of Currents of Windermere. A new pedestrian/cyclist bridge will be built across Anthony Henday Drive. The alignment of this path and connection to Ambleside is a new design feature since the Stage Three concept plan was shared in 2022. View the concept online at [edmonton.ca/TerwillegarDrive](https://edmonton.ca/TerwillegarDrive).



## Did you know?

- + The greenspace between 23 Avenue and 40 Avenue, between the northbound and southbound lanes is designed as a catch basin in the event of a 100-year storm.
- + A total of five retaining walls are needed to support the Stage Two improvements:
  - + Bus-only lane retaining wall
  - + Westbound Whitemud Drive under the Terwillegar Drive structures retaining wall
  - + Westbound Whitemud Drive (east of 142 Street) retaining wall
  - + Northbound Terwillegar Drive to eastbound Whitemud Drive ramp retaining wall
  - + Eastbound Whitemud Drive retaining wall
- + Native plants were chosen for landscaping so they will thrive in Edmonton's climate and conditions.
- + Over 26,000 new trees will be planted along the corridor.
- + This is the first major rehabilitation of the Rainbow Valley Bridges since they were originally constructed in 1979 and 1982.
- + This project will include the first dedicated pedestrian/cyclist connection over Anthony Henday Drive in Edmonton.

## Transit Upgrades – Bus-Only Lanes

The City Plan identifies that as Edmonton grows to a population of over two million people, 50 percent of trips will be made by transit and active transportation. To facilitate increased transit use, program upgrades include the following:

### Stage One

- + Bus-only lanes (one in each direction) with enhanced bus stops

### Stage Two

- + Bus-only lane southbound from 53 Avenue to Terwillegar Drive
- + Bus-only signals at 53 Avenue west ramp intersection

### Stage Three

- + Bus-only lanes along Terwillegar Drive from south of the Anthony Henday Drive interchange to Haddow Drive, matching those in Stage One

ETS Route 31 began operation in fall 2023 from Leger to South Campus and University Station.

## Traffic Impacts

We understand construction impacts can be disruptive and inconvenient. We appreciate your patience while the work is underway. Please travel carefully and follow all posted signage through construction areas.

Here's what to expect as you travel through the project area this summer:

**Stage One** – Periodic, minor impacts to traffic flow and shared pathway as maintenance and landscaping activities are completed

**Stage Two** – Traffic flow along Whitemud Drive will continue to be impacted on Rainbow Valley Bridges

- Closure of westbound Rainbow Valley Bridge, with two-way traffic established on eastbound Whitemud Drive began in winter 2024 and will continue this year

- Closure of eastbound Rainbow Valley Bridge, with two-way traffic established on westbound Whitemud Drive is anticipated to begin in winter 2025

**Stage Three** – Periodic lane closures or speed reduction on Terwillegar Drive and Anthony Henday Drive to allow for site preparation

## Terwillegar Drive Expansion – Currently Anticipated Schedule (subject to further planning and design)

Project Description	Concept Planning	Preliminary Design	Detailed Design	Construction Start
<b>STAGE ONE</b>				
Terwillegar Drive Expressway – Rabbit Hill Road to Whitemud Drive	COMPLETE	COMPLETE	COMPLETE	COMPLETE *Landscaping completed in 2023.
Terwillegar Drive Expressway – Anthony Henday Drive to Rabbit Hill Road	COMPLETE	COMPLETE	COMPLETE	COMPLETE *Landscaping will be completed in 2024.
<b>STAGE TWO</b>				
Whitemud Drive and Interchange Upgrades	COMPLETE	COMPLETE	COMPLETE	Underway
142 Street Pedestrian/Cyclist Bridge	COMPLETE	COMPLETE	COMPLETE	2024
<b>STAGE THREE</b>				
Anthony Henday Drive Interchange Upgrades	COMPLETE	2023 – 2024	2024 – 2025	2024/2025 <sup>1</sup>

1. Site preparation to start as early as 2024. Construction anticipated to start in 2025.

## Stay Informed

For more information or to sign up to receive project email updates, visit [edmonton.ca/TerwillegarDrive](http://edmonton.ca/TerwillegarDrive) or call 311.

