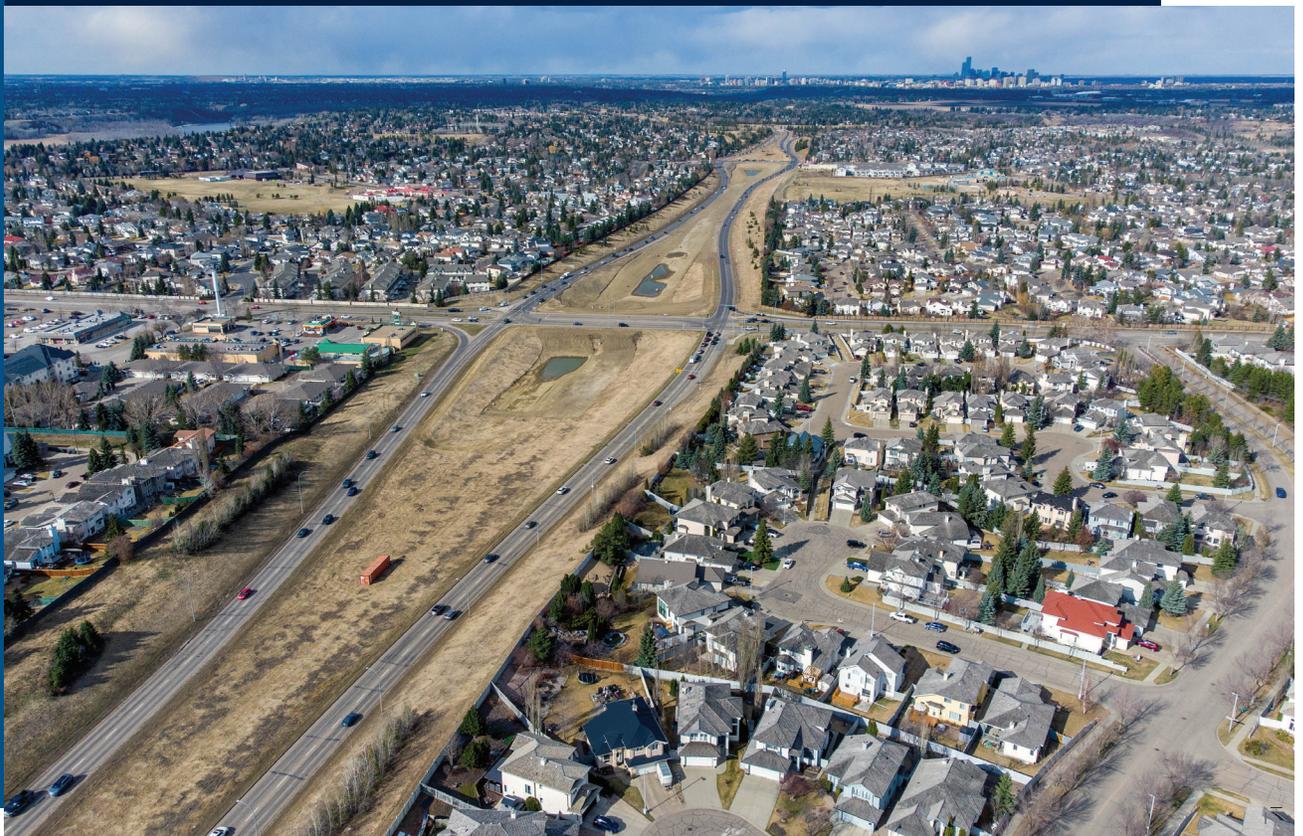


Terwillegar Drive Expansion

Edmonton

Public Event
4:30 – 7:30 p.m.



Terwillegar Drive Expansion

Edmonton

Welcome!

Public Information Session

April 2023



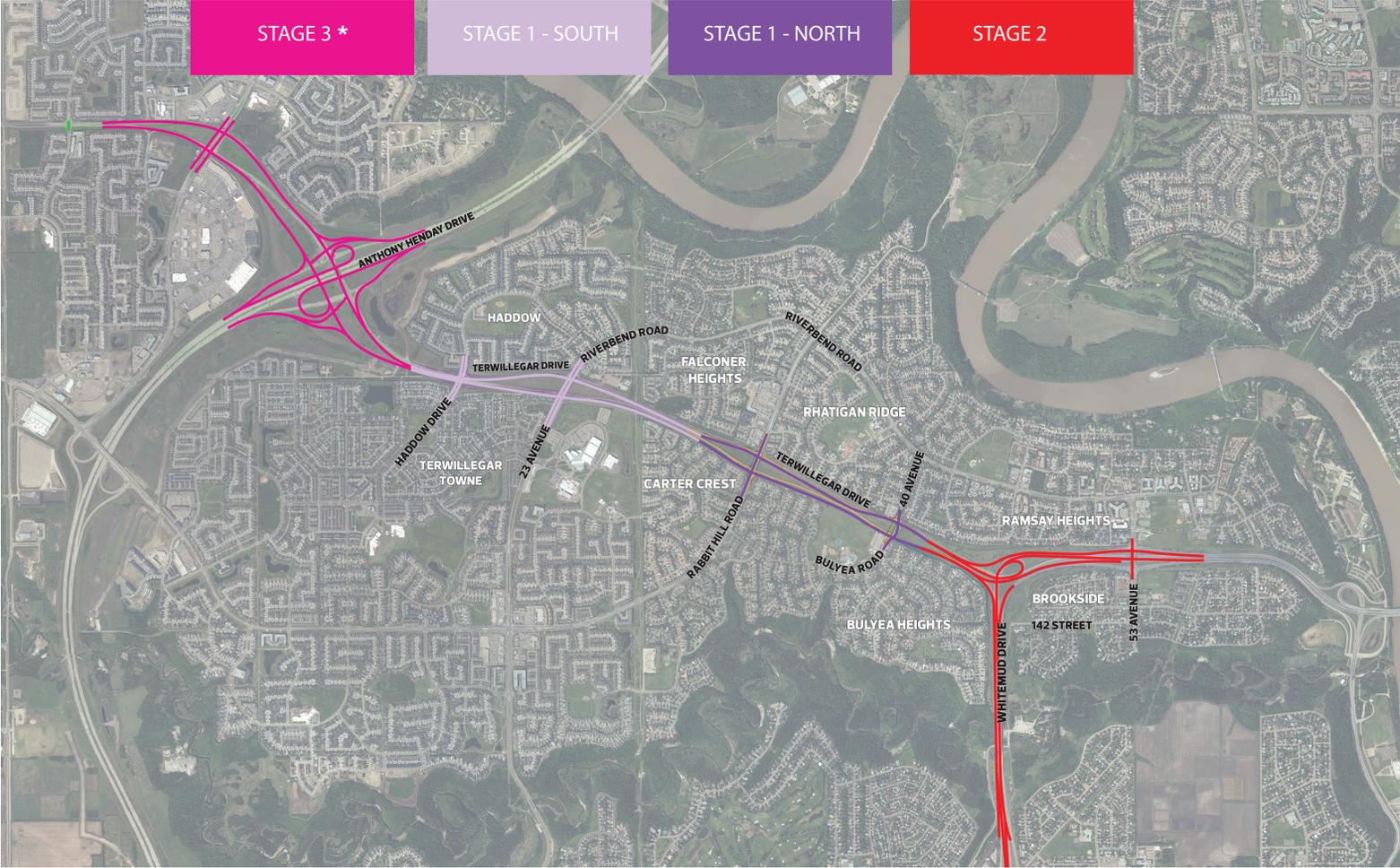
Terwillegar Drive Expansion: Overview

- + Terwillegar Drive is a key north–south route in southwest Edmonton and an important link to 170 Street, which will become a future connection to Highway 19.
- + Due to significant growth in southwest Edmonton, this vital corridor has exceeded its capacity causing congestion, delays, increased collisions, as well as the reduction in speed and reliability of transit services.
- + The corridor also poorly accommodates active transportation, such as walking and cycling.
- + To accommodate current and future needs, the City is advancing an integrated expansion plan for Terwillegar Drive.

Terwillegar Drive Expansion: Program Purpose

- + Major city-building initiative
- + Build out of roadway, transit and active transportation (walk, bike, roll) to safely and efficiently accommodate future needs
- + Help achieve the outcomes of the City Plan to accommodate a population of 2 million
- + Alleviate congestion
- + Improve access and connectivity for pedestrians and cyclists.
- + Accommodate all users safely and efficiently

Program Stages



*Final design to be determined.

Expansion Timeline

- + 1980s: Freeway plan
- + 2017: Concept planning study begins
- + 2018: Council approval of the expressway plan
- + 2019/20: Funding approval from City and Province
- + 2021: Construction on Stage One begins
- + 2022: Construction on Stage One continues
- + 2023: Construction on Stage One continues, Stage Two begins

Program Schedule

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

1. Anticipated start of construction. Construction dependent on the final budget.

Terwillegar Drive Expansion

Edmonton

Stage One:

Terwillegar Drive between
Anthony Henday Drive and
Whitemud Drive



Stage One: Improvements

- + Four lanes in each direction (three for motor vehicles and one dedicated lane for transit)
- + Intersection upgrades, including new left and right turning lanes and shared-use path crossings
- + Bus stop upgrades, including longer pull outs, weather-protected shelters, connections to the shared-use path and lighting
- + Shared-use path on the east side of Terwillegar Drive, including connections to the communities and lighting
- + Continued landscape naturalization and additional tree plantings
- + New bus rapid transit services anticipated to be in operation once construction is complete (Route 31 anticipated to start in fall 2023)

Stage One: Construction

- + Construction began in 2020 and is anticipated to be complete in 2024
- + Two vehicle travel lanes will be open in each direction during peak hours until the end of 2023
- + No additional trees are planned to be removed for Stage One

Stage One North: Rabbit Hill Road to Whitemud Drive

- + Widening between Whitemud Drive and Rabbit Hill Road was completed in 2022
- + Landscaping including soil placement, tree replacements, new boulevard trees on cross streets and the addition of naturalized grasses along the corridor will be finished this year



Terwillegar Drive Stage One looking north.
November 2022.

Stage One South: Anthony Henday Drive to Rabbit Hill Road

- + Widening between Haddow Drive and 23 Avenue is ongoing and connections to the new Haddow Drive and 23 Avenue intersections have been pre-graded. Roadway construction in this area is to be completed in 2023
- + Landscaping south of 23 Avenue will take place in 2024



Terwillegar Drive Stage One: Terwillegar Drive / Rabbit Hill Road looking northwest. November 2022.

Stage One: Shared-use Path

- + Construction of the shared-use path along the east side of the corridor in Stage One South, along with the pedestrian lighting, will be completed in 2023
- + The shared-use path in Stage One North is complete



Terwillegar Drive Expansion

Edmonton

Stage Two:

Whitemud Drive and
Interchange Upgrades



Stage Two: Improvements

- + Rainbow Valley Bridge widening
- + Bus-only lane southbound between 53 Avenue and Terwillegar Drive
- + Whitemud Drive / Terwillegar Drive interchange improvements
- + Whitemud Drive widening between Terwillegar Drive and 122 Street
- + Active transportation improvements
- + Ramsay Heights noise barrier
- + 142 Street Pedestrian / Cyclist Bridge



Stage Two: Construction Timelines

2023:

- + Construction begins for Rainbow Valley bridges and pedestrian / cyclist bridge
- + Terwillegar Drive Interchange upgrades
- + Shared-use path realignment adjacent to Snow Valley
- + Replacement of the 122 Street ramp
- + Bus-only lane retaining wall
- + Ramsay Heights noise barrier
- + Extension of the south Rainbow Valley parking lot
- + Tree removal and preservation

2024:

- + Rainbow Valley bridge westbound selective demolition, rehabilitation, and widening
- + Rainbow Valley pedestrian / cyclist bridge construction
- + 142 Street pedestrian / cyclist bridge construction
- + Westbound Whitemud Drive widening and renewal
- + Bus-only lane roadway
- + Ramsay Heights noise barrier continues

2025:

- + Rainbow Valley Bridge eastbound selective demolition, rehabilitation, and widening
- + 142 Street pedestrian / cyclist bridge construction
- + Eastbound Whitemud Drive widening and renewal

2026:

- + Final landscaping and paving

Construction Plans

Vehicle Traffic

- + Construction and traffic impacts begin in May 2023
- + Roadworks will require staged shoulder and lane closures along the Whitemud Drive and Terwillegar Drive corridors
- + Access to Snow Valley and the Rainbow Valley Campground will be maintained
- + Traffic will be monitored, and adjustments will be implemented where possible to improve traffic flow through the project area

Pedestrian and Cyclist Traffic

- + Pedestrian and cyclist pathway connectivity will be maintained throughout the project
- + Active modes users will be detoured through the Whitemud Creek ravine temporarily while the new shared-use path bridge is being constructed
- + The current pedestrian sidewalk on the Westbound Rainbow Valley Bridge will be closed and replaced by the new Rainbow Valley shared-use path bridge (2024)
- + The 142 Street Pedestrian / Cyclist bridge will cross Whitemud Drive and provide a connection between Brookside and Brookview at 142 Street (2025)

Rainbow Valley Bridge Rehabilitation and Widening

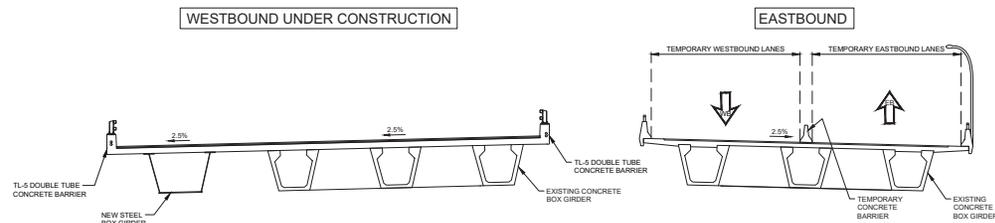
- + The bridges, constructed in 1979 and 1982, are due for their first major rehabilitation
- + The bridges will be widened to four lanes plus shoulders
- + Sidewalk will be removed and new pedestrian bridge constructed
- + Whitemud Creek Ravine South parking lot will be expanded
- + Construction site compounds will be located in Rainbow Valley



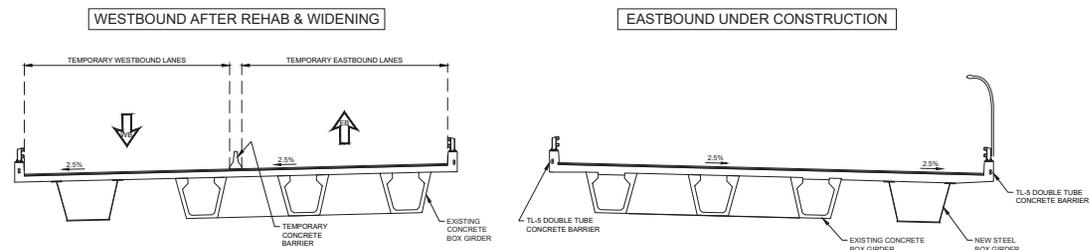
Vehicular Traffic

Rehabilitation and widening of the Rainbow Valley Bridges will be phased:

- + Phase 1: staged lane closures to facilitate deck investigation work (Spring 2023)
- + Phase 2: closure of Westbound Rainbow Valley Bridge, two-way traffic established on Eastbound Whitemud Drive (Winter 2024)



- + Phase 3: closure of Eastbound Rainbow Valley Bridge, two-way traffic established on Westbound Whitemud Drive (Winter 2025)



Active Transportation

Rainbow Valley Pedestrian / Cyclist Bridge

Active modes users will be moved away from live traffic



142 Street Pedestrian / Cyclist Bridge

- + New pedestrian / cyclist bridge over Whitemud Drive near 142 Street, open space enhancements (construction starts in 2024)
- + For more information on this project's public engagement, scan the code for a copy of the What We Heard report:



Active Transportation Upgrades: Shared-Use Path

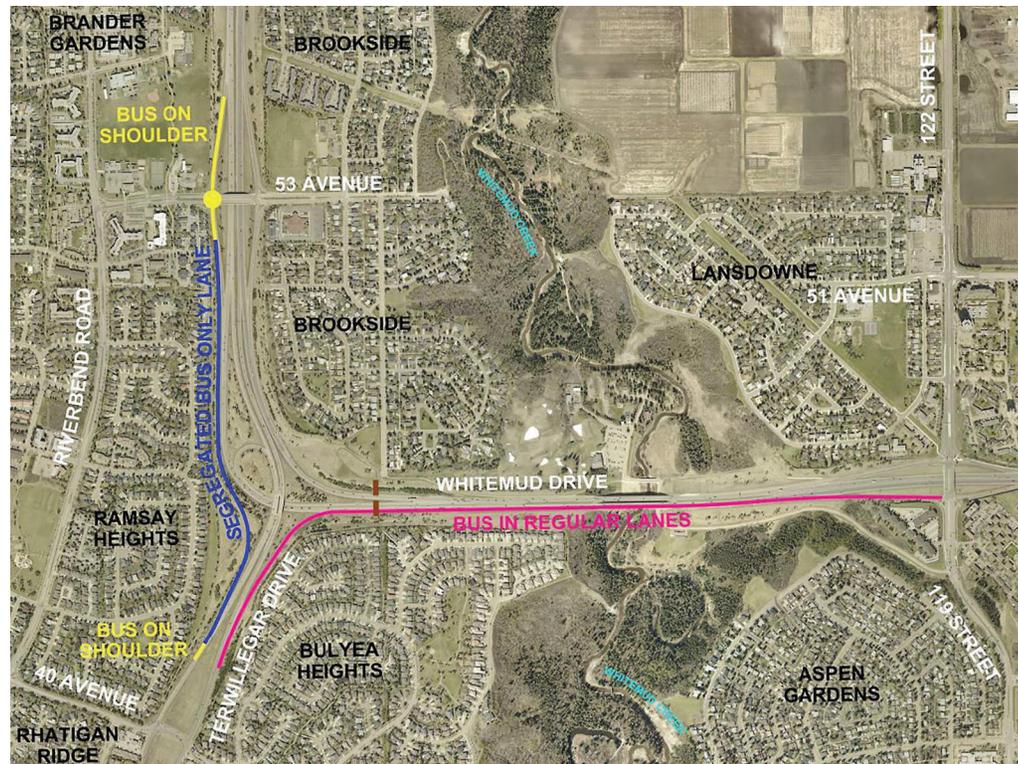
- + Upgrades to the existing shared-use path between 122 Street and 142 Street
- + Upgrades include:
 - + Re-designing a section of shared-use path to be more user-friendly
 - + Adding a fence or similar barrier between Whitemud Drive and the path for the safety of cyclists and pedestrians
 - + Linking to the existing active modes network



Transit Upgrades – Bus-Only Lane

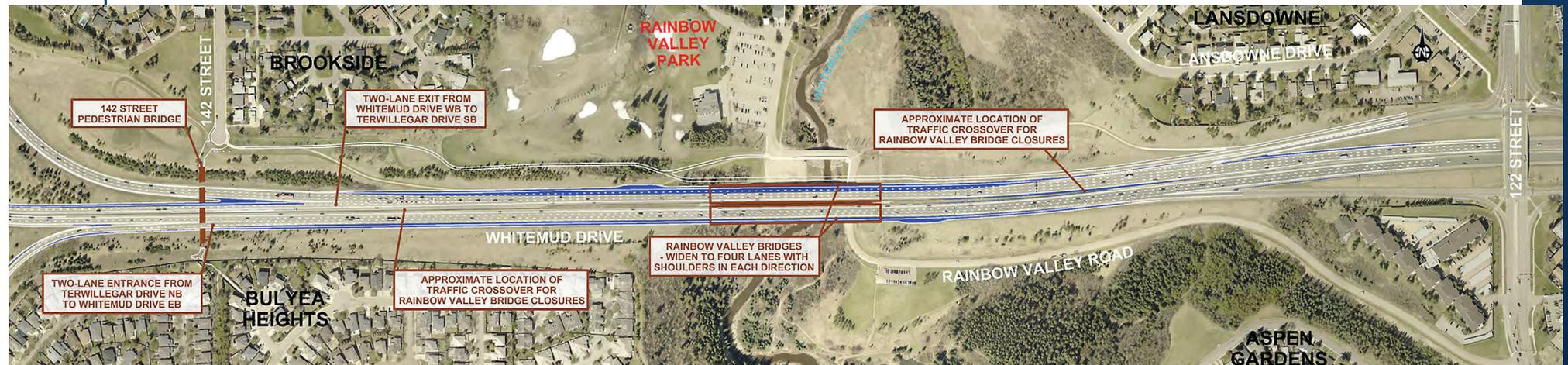
Upgrades currently planned include:

- + Segregated bus-only lane from 53 Avenue to Terwillegar Drive
- + Bus-only signals at 53 Avenue west ramp intersection
- + Route 31 starting this fall, from Leger to South Campus and University Station



Whitemud Drive Widening and Upgrades

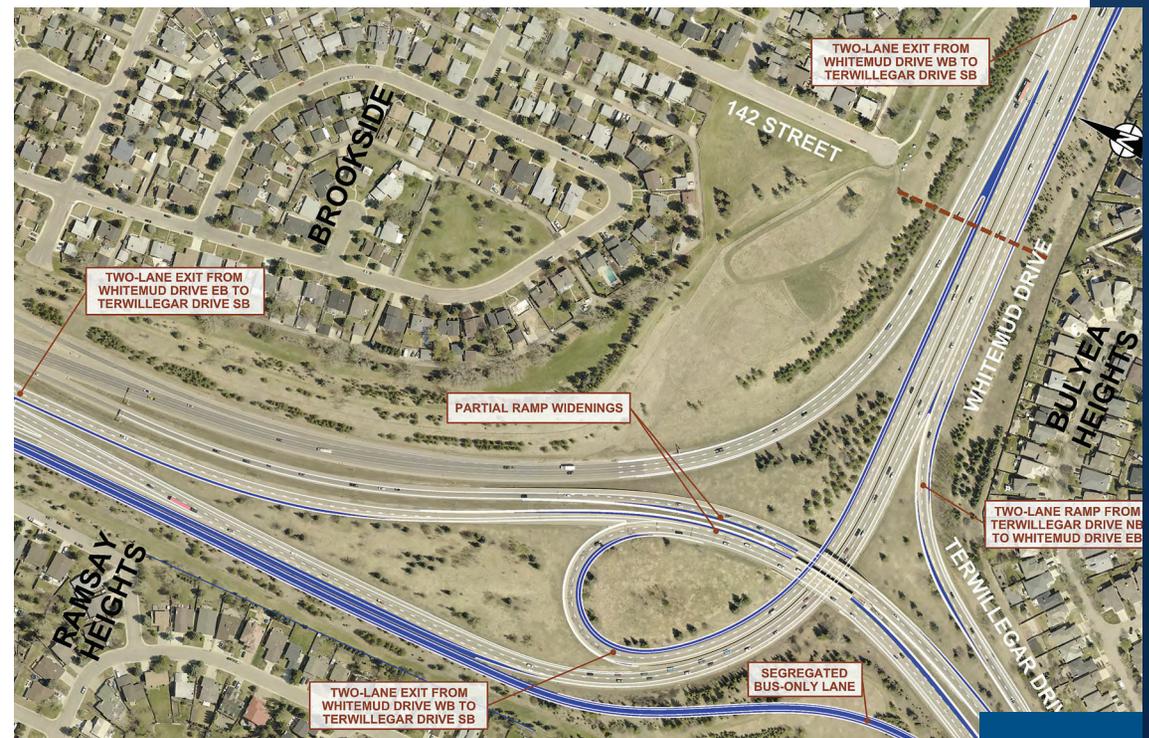
- + Whitemud Drive will be widened to four lanes in each direction between Terwillegar Drive and 122 Street



Whitemud Drive / Terwillegar Drive Interchange (2023)

Upgrades will include:

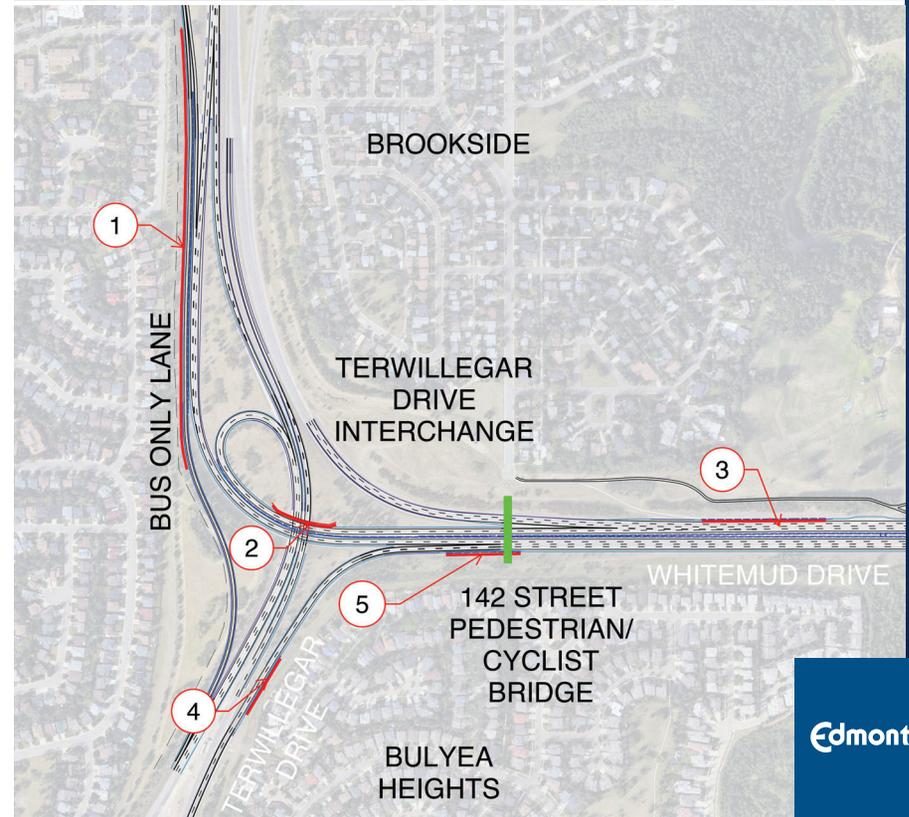
- + Widening the westbound Whitemud Drive to southbound Terwillegar Drive loop ramp
- + Widening the northbound Terwillegar Drive to eastbound Whitemud Drive ramp
- + Partial ramp widening: northbound Terwillegar Drive to northbound Whitemud Drive, and southbound Whitemud Drive to southbound Terwillegar Drive



Retaining Walls

Five retaining walls are needed for roadway widenings and the bus only lane:

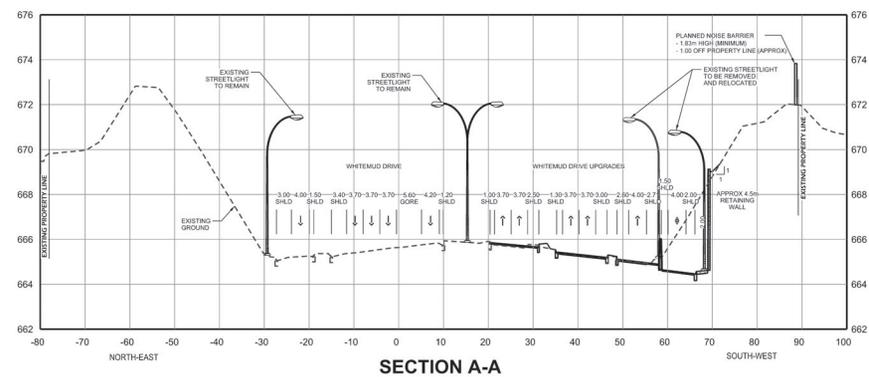
1. Bus-Only Lane Retaining Wall
2. Westbound Whitemud Drive under the Terwillegar Drive structures
3. Westbound Whitemud Drive (east of 142 Street) Retaining Wall
4. Northbound Terwillegar Drive to Eastbound Whitemud Drive Ramp Retaining Wall
5. Eastbound Whitemud Drive Retaining Wall



Noise Attenuation

Noise assessment was conducted. Noise attenuation is considered when noise levels in private residential backyards exceed 65 dBA

- + A noise barrier will be constructed in Ramsay Heights
- + Engagement with residents backing onto the wall is ongoing



Edmonton

For questions or to provide
comments, email:

TerwillegarDrive@edmonton.ca

For more information, visit:

edmonton.ca/**TerwillegarDrive**

