



Integrated Infrastructure Services  
Infrastructure Planning and Design

Edmonton

## Transportation Projects Traffic Management (Q1 2025)

City Council  
February 25, 2025

IIS02750

## Motion

**At the October 22, 2024, City Council meeting, the following motion was passed:**

That Administration provide quarterly updates to City Council on the status of ongoing or imminent major capital construction projects (roads, bridges, and LRT), including traffic management plans and disruptions, project progress, and mitigation strategies.

# Transportation and Construction Impacts

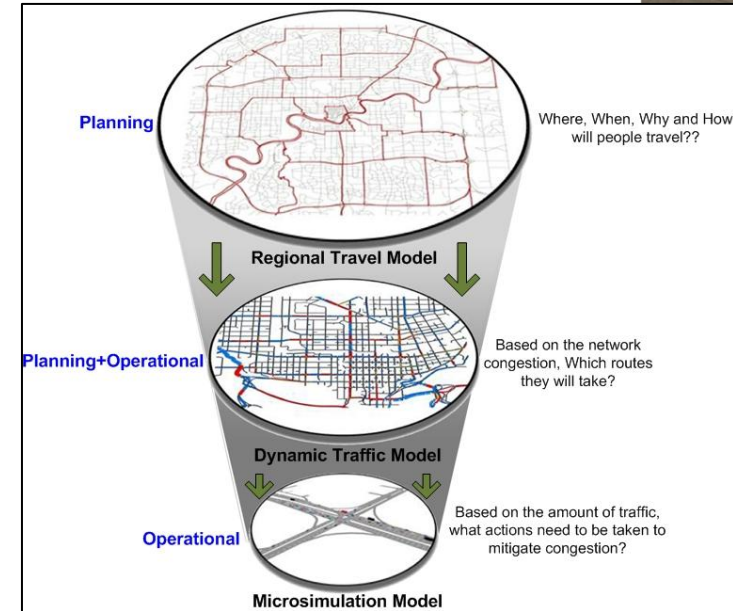
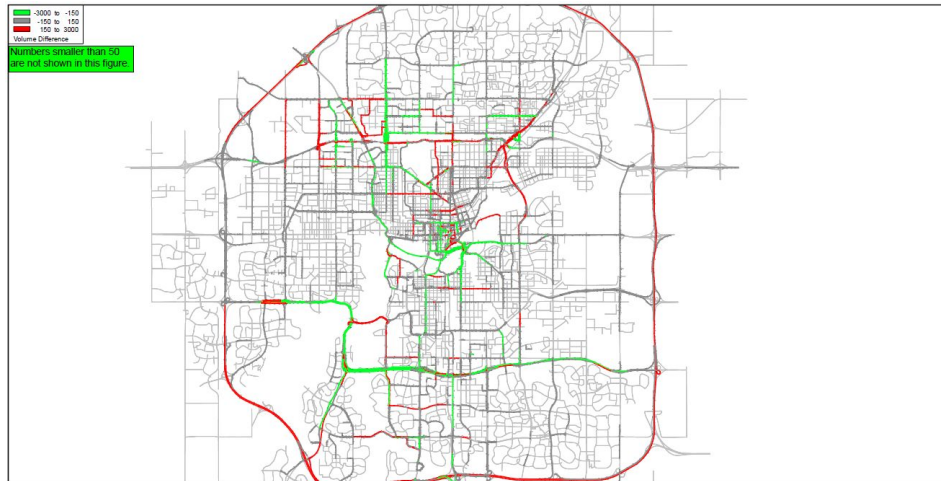


2023-2026  
Capital Budget  
**1.6B**  
Transportation



# Traffic Impacts of Construction Projects

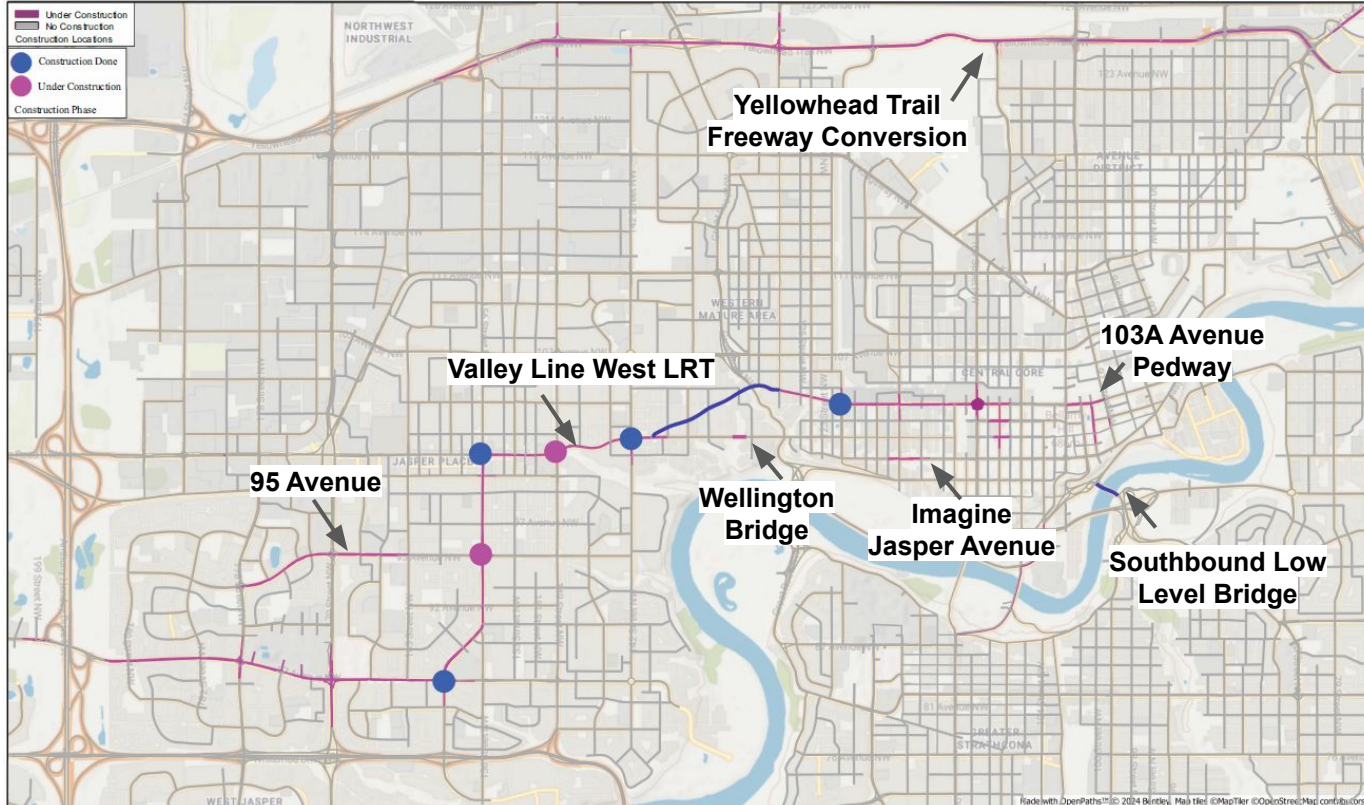
- **Cumulative traffic impacts of construction projects are analyzed through traffic modelling**
  - ◆ Includes all construction projects with major traffic impacts for that year (**roads, bridge, LRT, utilities, major developments...**)
  - ◆ Analyzes impacts at a **macro** level



# Traffic in Motion: Edmonton's Roads



# Traffic Modelling



**Example Model Construction Scenario**

## Coordination and Traffic Accommodation

- **Traffic accommodation plans are developed at a project level, though account for other surrounding projects.**
  - ◆ Plans take into account project-specific construction requirements, disruption durations, detour requirements and surrounding construction disruptions
  - ◆ This is a **dynamic and iterative** process
  - ◆ Traffic accommodation **plans are refined as construction contracts are awarded and as contractors are brought on board**
  - ◆ **Project approaches or schedules are adjusted** based on modelling and other traffic accommodation planning

# Further Project Information



## Imagine Jasper Avenue



**Active Transportation  
Funding (\$8.7M)**

**3 Year Construction**

114-117 Street

117-121 Street

121-124 Street

**Traffic and Access Open  
1-lane each direction**

**Utility Coordination**

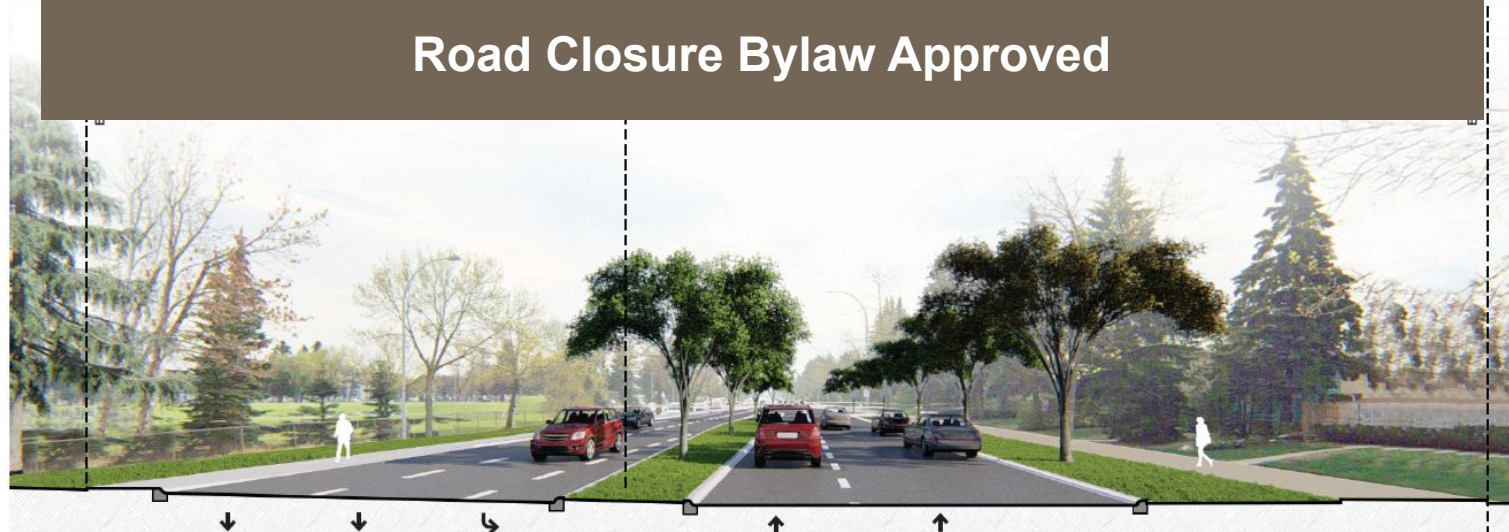
# 95 Avenue (163 Street to 182 Street)

**Road Rehabilitation & Reconstruction**

**Active Transportation Network - District Connector**

**Construction 1 Year - 1 lane open in each direction**

**Road Closure Bylaw Approved**



# Wellington Bridge



**Bridge Replacement  
Q4 2025 - Q4 2026  
Total Closure**



**Critical  
Condition**

**Simplified  
Design**

**Valley Line West  
Coordination**

**Environmental  
Impact  
Assessment**

## Low Level Bridge (Southbound)



**Bridge Rehabilitation  
Q2 2025-Q4 2025  
(4 months)**

**Final Design in Progress**

### Traffic Impacts

**Southbound traffic redirected  
to Northbound Bridge  
structure**

**Northbound traffic redirected  
to 98 Avenue / James  
Macdonald Bridge**

# Dawson Bridge



**Bridge Repairs  
Q3/Q4 2025  
(2-3 months)**

**Final Design In Progress**

**Traffic Impacts**

**Weekend or Evening  
Closures only**

**Thank you.**

Questions?

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