

South Shaganappi Study

Phase 3B: Preferred Concept Finalization

Welcome to the Information Session

At this information session you will be able to:

- View the preferred short and long-term recommended plans for the study area
- Learn how your input influenced the final preferred recommended plans
- Ask questions
- Learn about next steps and related projects

The final recommended plans will be presented to Council this summer.



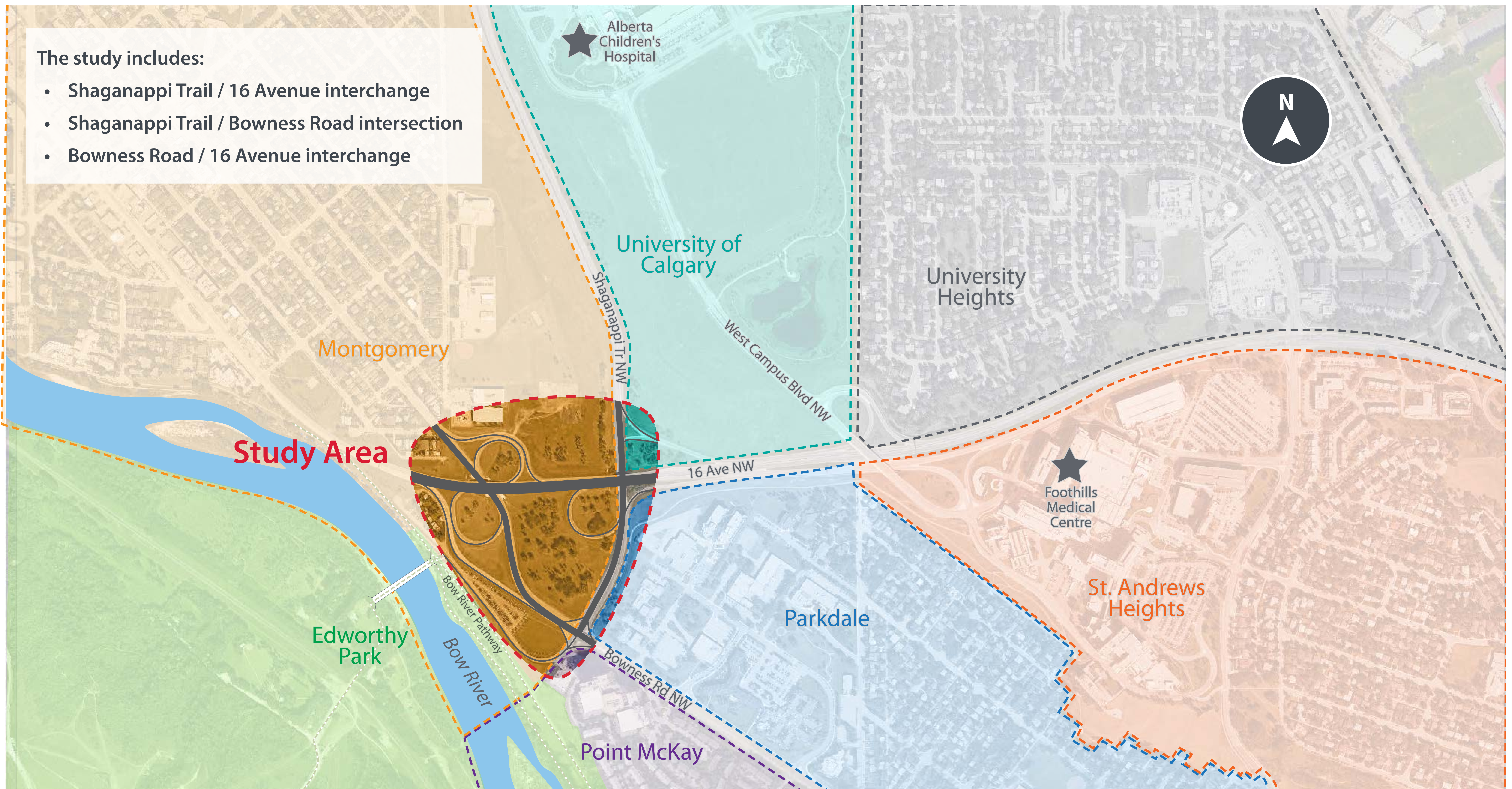
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Phase 3B: Preferred Concept Finalization

Study Area Map

The study includes:

- Shaganappi Trail / 16 Avenue interchange
- Shaganappi Trail / Bowness Road intersection
- Bowness Road / 16 Avenue interchange



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**Project
Background**

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**Project
Archives**

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Study Goals and Objectives

Goals

- Review and recommend infrastructure that aligns the future corridor plans for Shaganappi Trail with the 2009 Calgary Transportation Plan, the Municipal Development Plan, and adjacent land uses
- Identify what land will no longer be required for infrastructure

Objectives

- Address safety for those who use and/or live by the corridor
- Address accessibility across and throughout the corridor, reconnecting the adjacent communities of Montgomery and Parkdale/ Point McKay
- Accommodate all modes of transportation including walking, cycling, driving, HOV (high-occupancy vehicles), and transit
- Move people and goods in an efficient way, providing continuous traffic flow and a reduction in greenhouse gas emissions
- Preserve and enhance land in the study area where there are opportunities

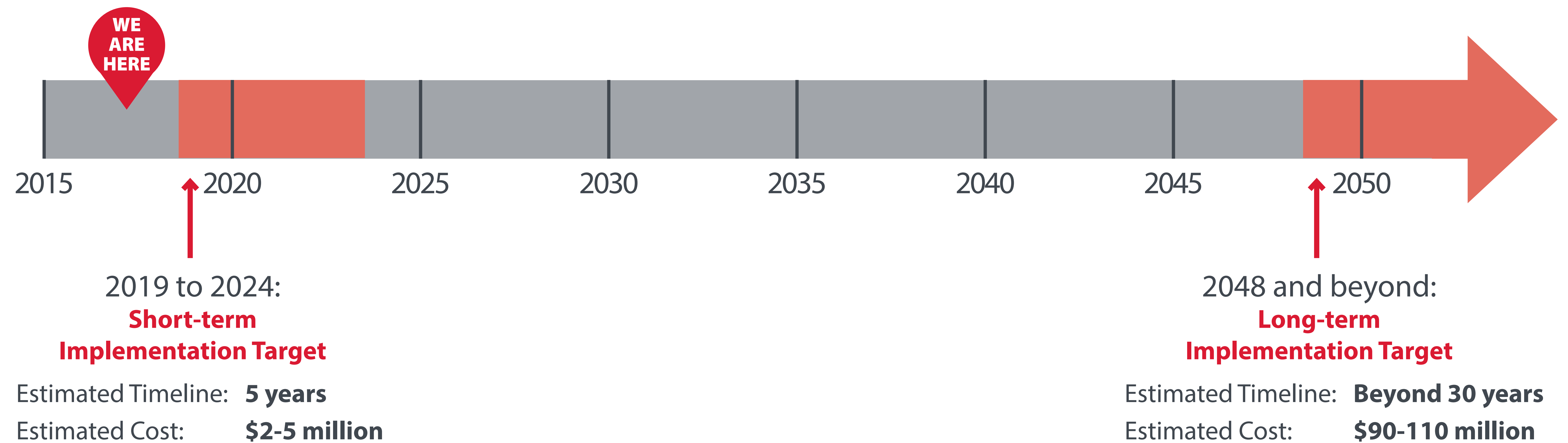




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Estimated Costs and Timeline



The estimated cost range to implement the short-term plan is \$2-5 million in 2017 dollars. If approved by Council and allocated funding, the plan could be implemented within five years.

The estimated cost range to implement the long-term plan is \$90-110 million in 2017 dollars. Currently, the existing infrastructure has a lifespan of 30 years, so we anticipate this plan being implemented beyond 30 years.

The cost estimate includes all the recommendations in the plan, such as infrastructure, connections for people who walk and bike, utility relocations and land acquisition.

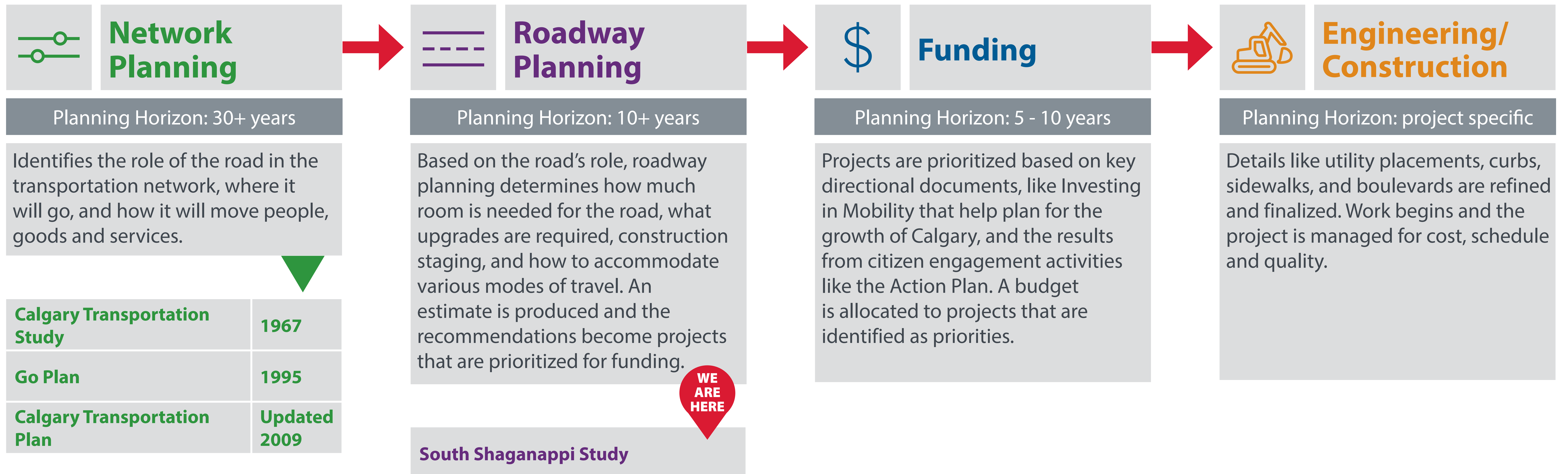


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Phase 3B: Preferred Concept Finalization

Funding Process

The South Shaganappi Study will identify short- and long-term plans for the study area. If approved by Council, they will help address current issues and challenges, and accommodate the continued growth of Calgary. Currently, there is no funding to implement these plans.



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**Final
Short-term
Recommended
Plan**

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What does the Final Short-term Recommended Plan achieve?



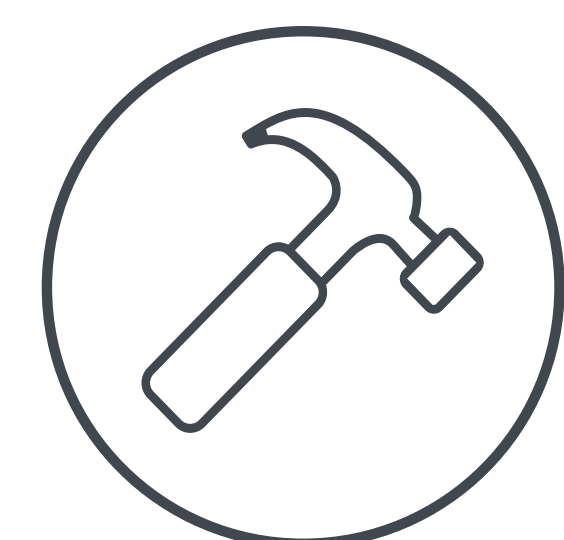
Address key collision history concerns



Enhance connectivity for people who walk and bike



Resolve key traffic problems where feasible



Feasible for implementation within five years

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Short-term Recommended Plan

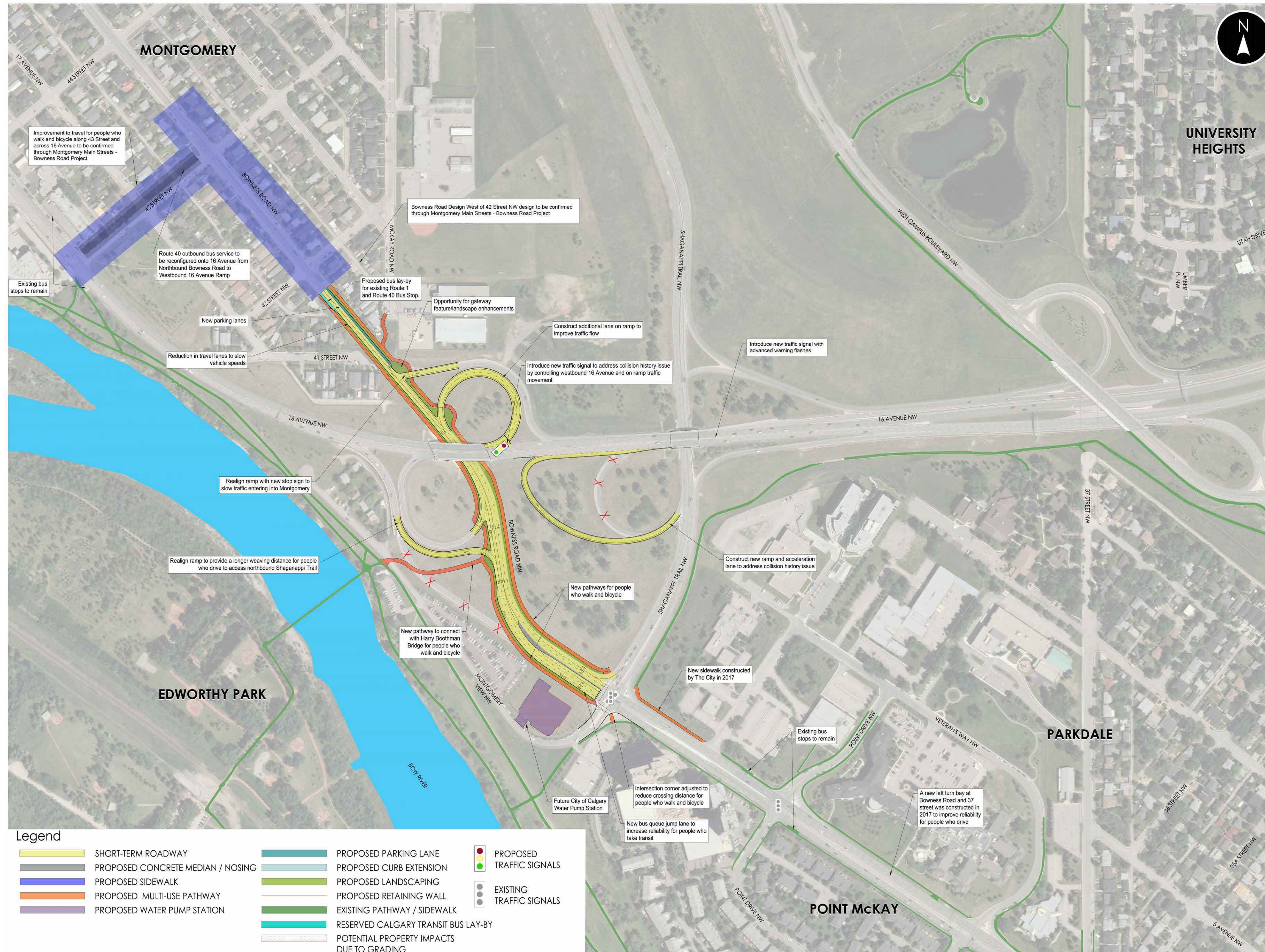
Benefits and Trade-offs

Benefits that address what we heard from Calgarians:

- Improves safety for people who drive through the study area by addressing high traffic collision areas
- Improves safety for people who walk and bike through the study area by providing additional pathway space, slowing traffic, and reducing crossing distances
- Improves safety for Montgomery residents by slowing traffic entering and moving through the community
- Improves traffic flow along Bowness Road/ Parkdale Boulevard
- Improves transit movements through the study area by providing bus queue jump lane
- Provides opportunity to repurpose areas of land, add gateway features, and make land enhancements in the study area

Trade-offs:

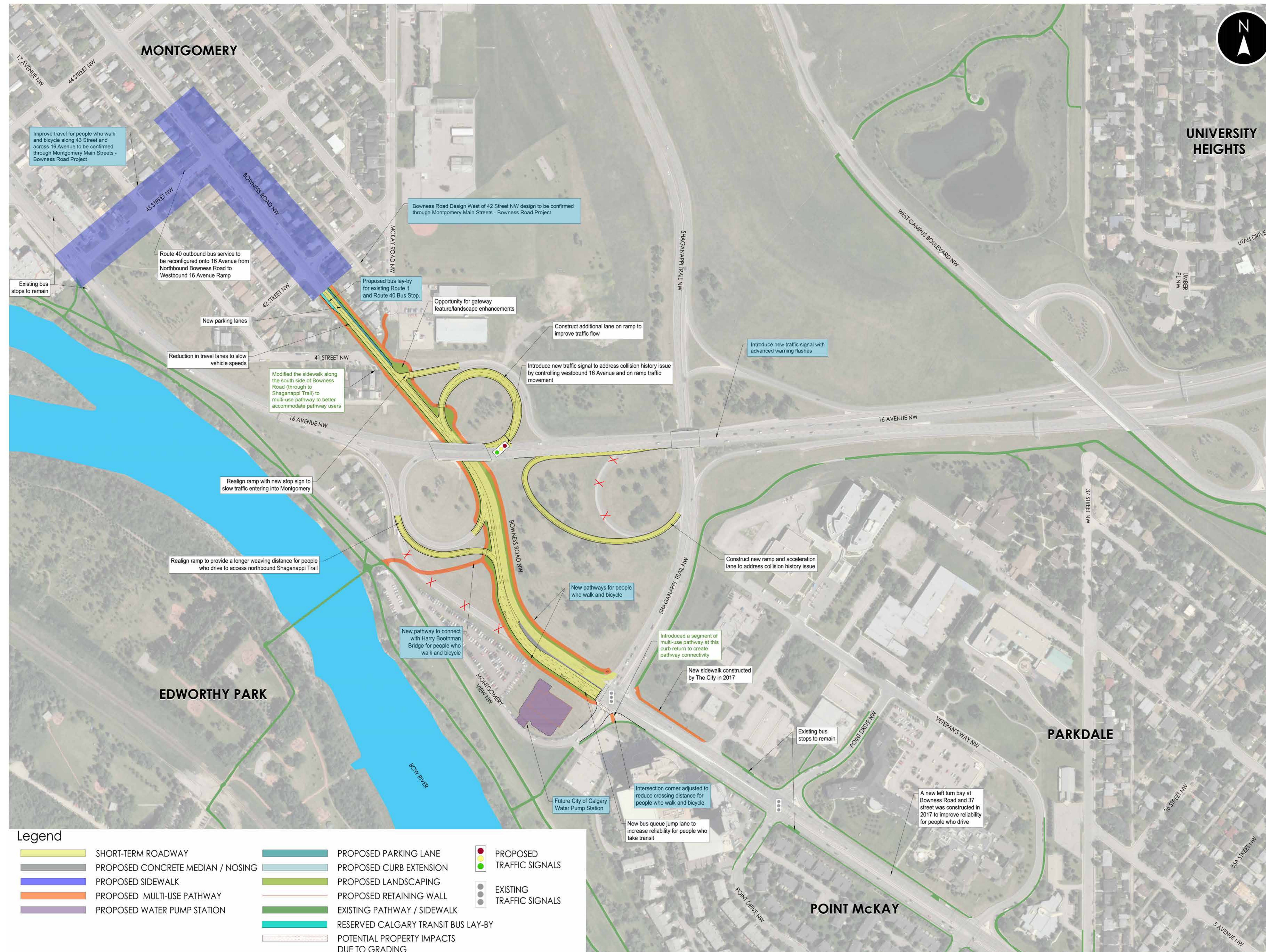
- New signals may create delays for traffic moving from northbound Bowness Road to westbound 16 Avenue at peak times
- Construction of a new ramp will impact trees in the area
- New signals may encourage people who drive to take 44, 45, and/or 46 Street



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Short-term Recommended Plan: Latest changes



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**Final
Long-term
Recommended
Plan**

Evaluation Criteria

Each of the preliminary concepts were evaluated by the technical team using the multiple accounts to the right.

The criteria also includes public evaluations that were conducted in November 2016.

The results of the evaluation informed the preferred concept selection.

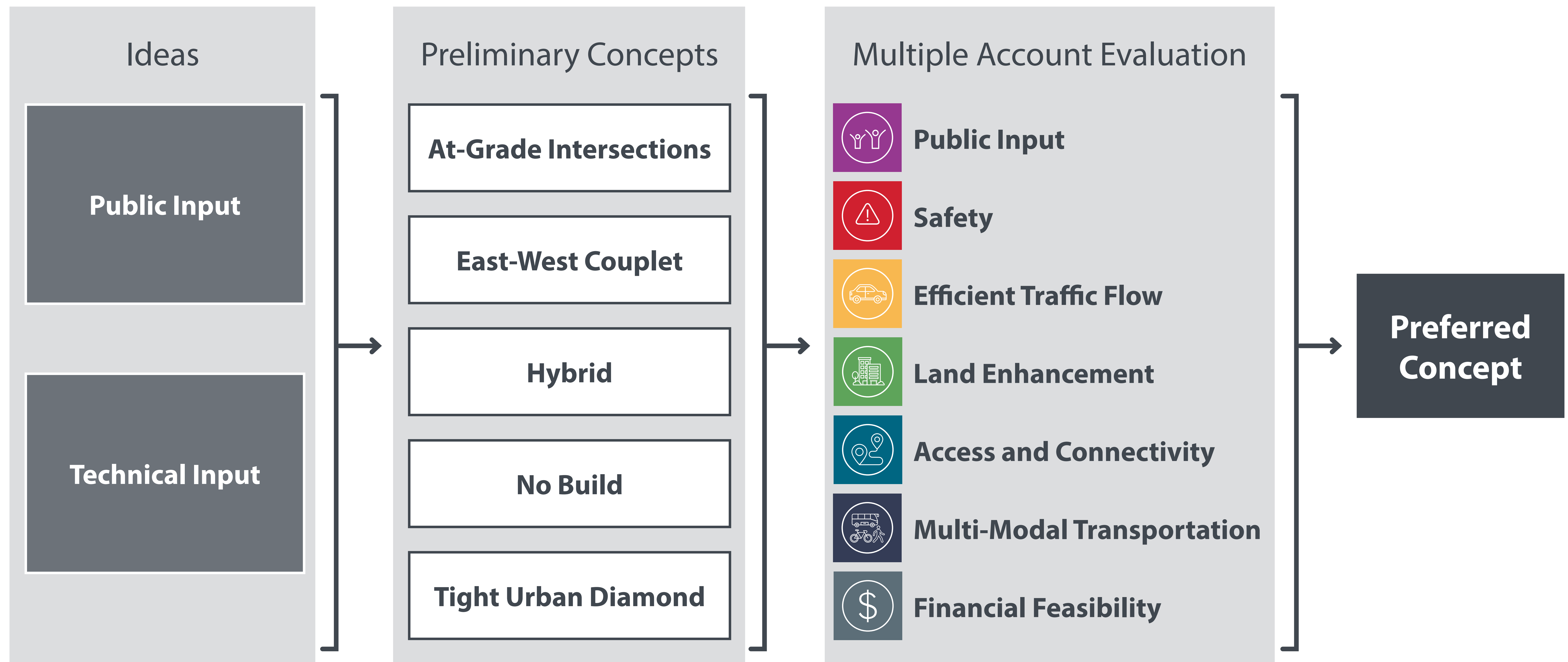




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Preliminary Concept Long-term Evaluation Process





Technical and Public Evaluation: Overall Rankings

Results



Outcome:

The Tight Urban Diamond is the preferred concept because it best meets the technical evaluation criteria, community values and project objectives.



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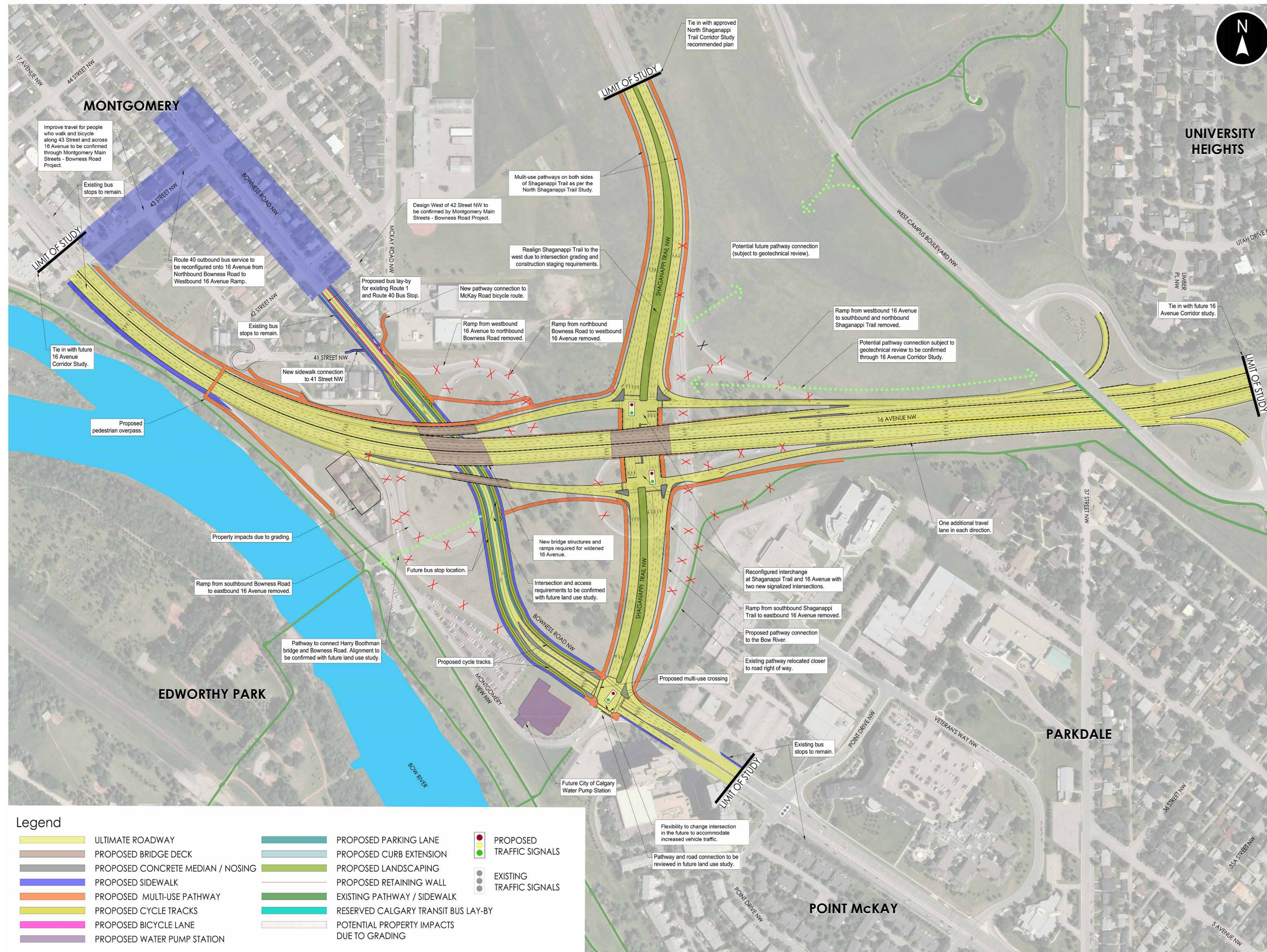
Long-term Recommended Plan: Tight Urban Diamond

Benefits that address what we heard from Calgarians:

- Facilitates safer traffic movements along 16 Avenue by adding merge ramps to provide access to/from Shaganappi Trail.
- Maintains travel times along 16 Avenue by providing continuous traffic flow.
- Enhances connectivity with cycle tracks on Bowness Road and new pathways along 16 Avenue and Shaganappi Trail.
- Enhances accessibility for people who walk and bike on Bowness Road by providing a continuous connection under 16 Avenue.
- Maintains existing transit service on Bowness Road.
- Encourages people who drive to use 16 Avenue given the additional travel time required to access Bowness Road.
- Provides opportunity to re-purpose land not being utilized by infrastructure for other uses (to be reviewed in a future study).

Trade-offs:

- Removes direct access from 16 Avenue to Bowness Road.
- May result in increased traffic on 43 Street from people who drive attempting to access Bowness Road from 16 Avenue.
- Requires intersection crossings for people who walk and bike along the regional pathways on Shaganappi Trail.
- Reduces flexibility for future transit service along 16 Avenue.
- Possible property impacts to properties along Montgomery View.
- Requires four new bridge structures, which are costly to build and maintain.



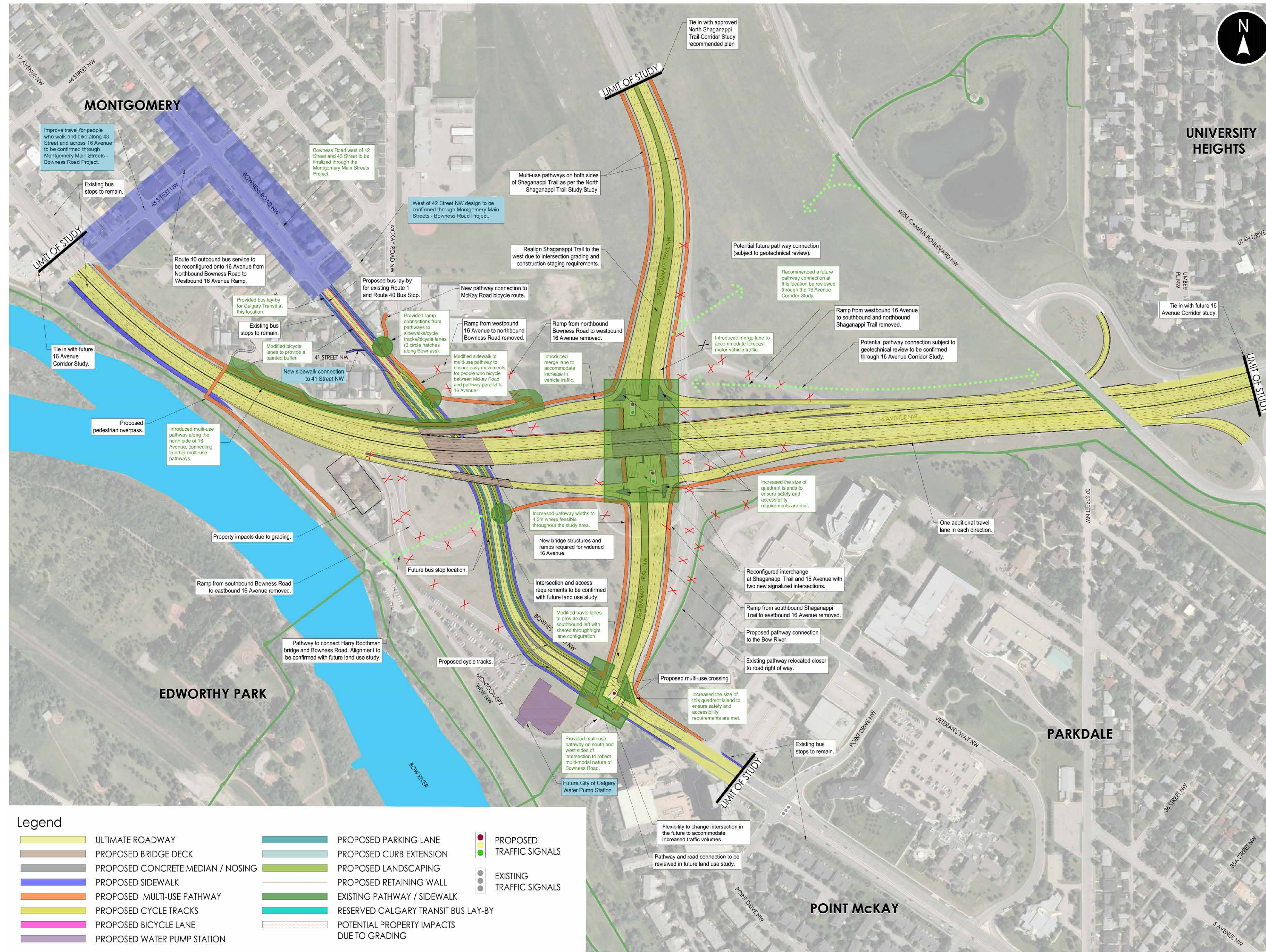
- People who drive
- People who walk and bike
- People who take transit
- Surrounding communities
- Surrounding land
- Project costs



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Long-term Recommended Plan: Latest changes

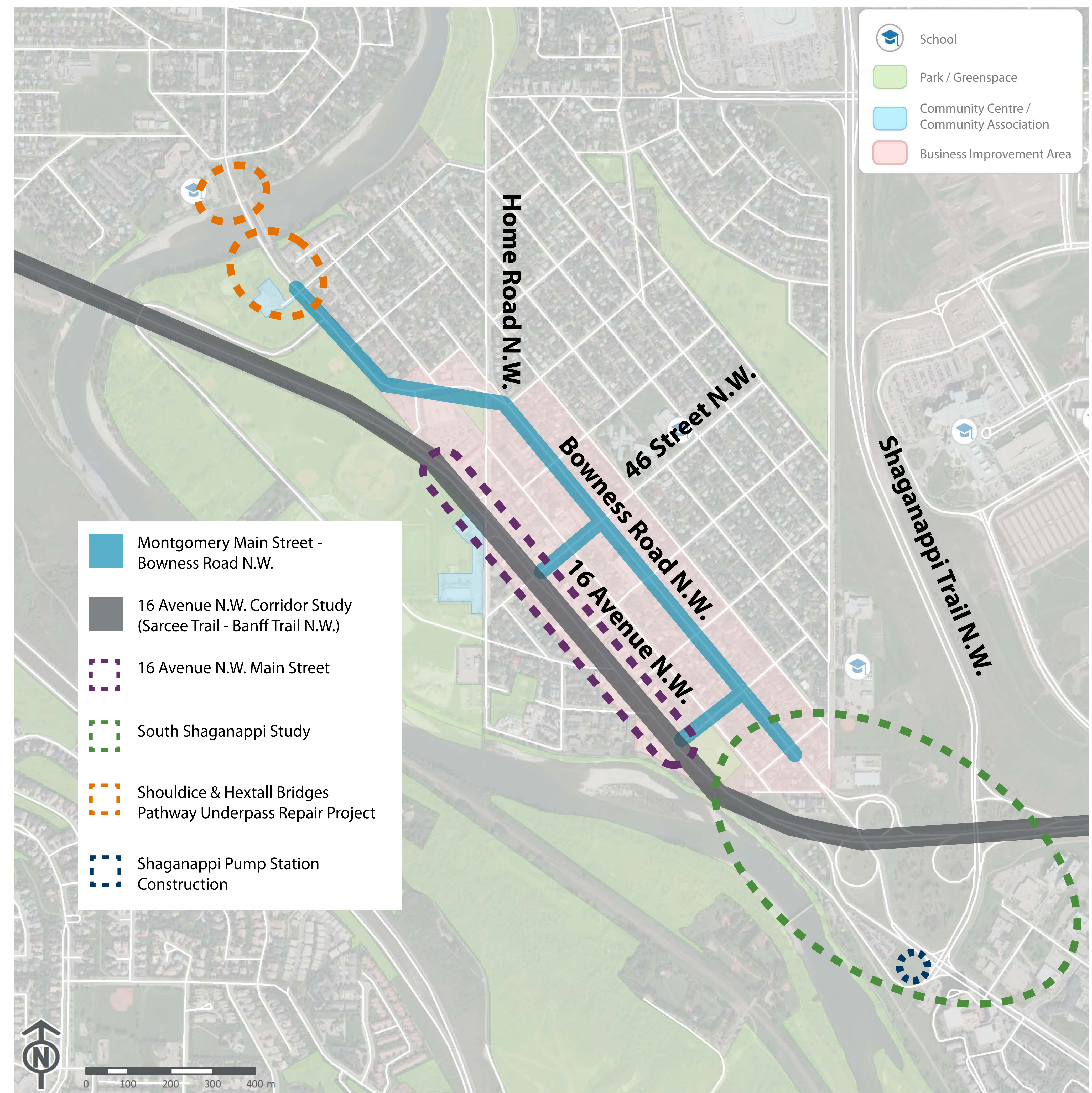


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Phase 3B: Preferred Concept Finalization

Future Considerations

- Montgomery Main Streets project
- Land repurposing in study area
- 16 Avenue Corridor Study
- Bowness Road Corridor Study
- Modifications to Bowness Road and Shaganappi Trail NW
- Shouldice & Hextal Bridges Pathway Underpass Repair
- Shaganappi Water Pump Station
- High-Occupancy-Vehicle Strategy





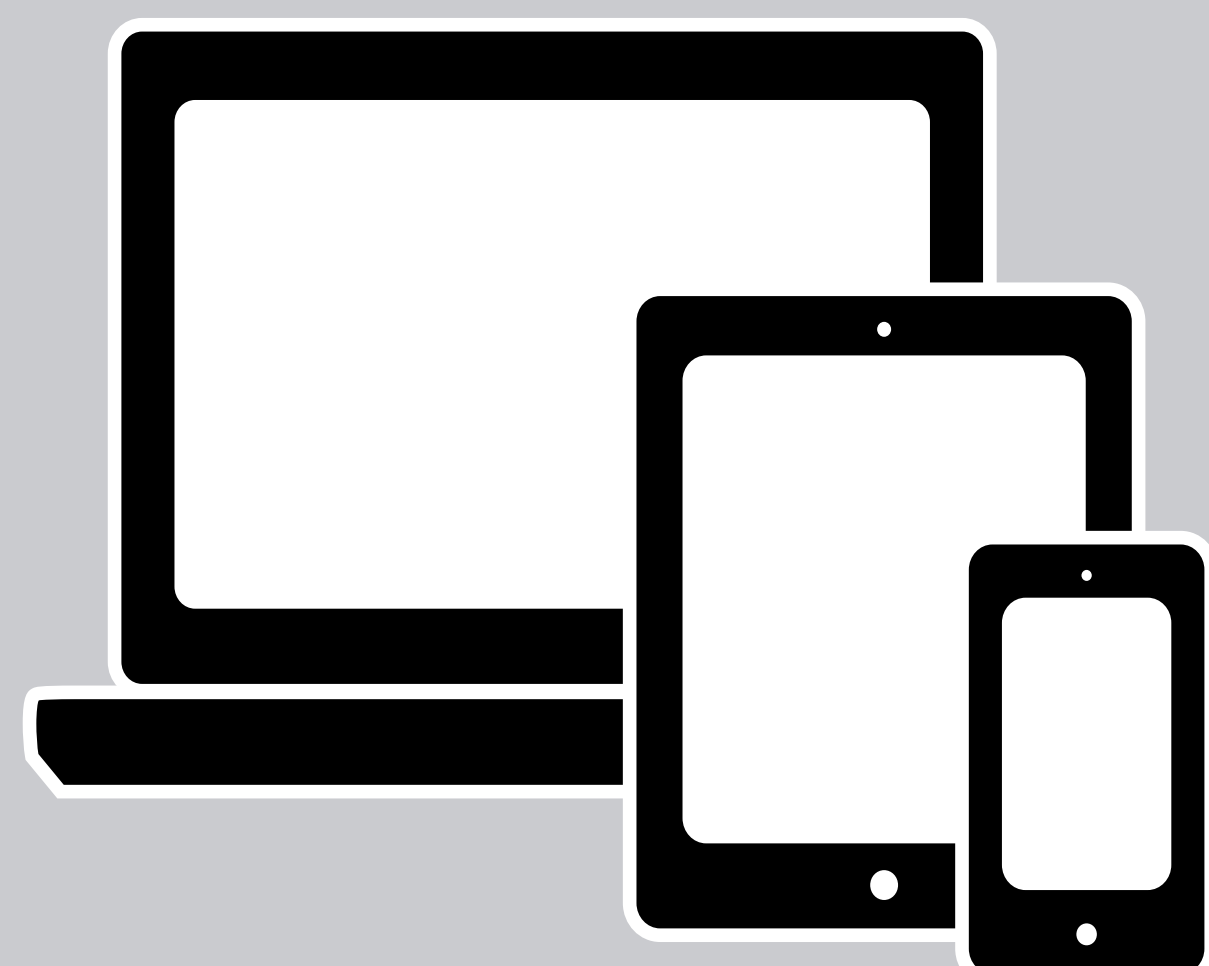
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Phase 3B: Preferred Concept Finalization

Next Steps

Present recommendations to Standing Policy Committee on Transportation and Transit (**July 2018**) and Council (**July 2018**)

Stay informed.



To learn more about the project visit calgary.ca/southshaganappi

Email the project team at southshaganappi@calgary.ca