

107 Avenue Long-Range Planning Study 130 Street to 170 Street Open House



107 Avenue Long-Range Planning Study

WELCOME AND INTRODUCTIONS





107 Avenue Long-Range Planning Study

TONIGHT'S PURPOSE

- ❖ Provide background information on the planning study
- ❖ Present the draft concept plan for 107 Avenue between 130 Street and 170 Street
- ❖ Gather your feedback on the draft concept plan
- ❖ Answer questions about the planning study



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PROJECT PURPOSE

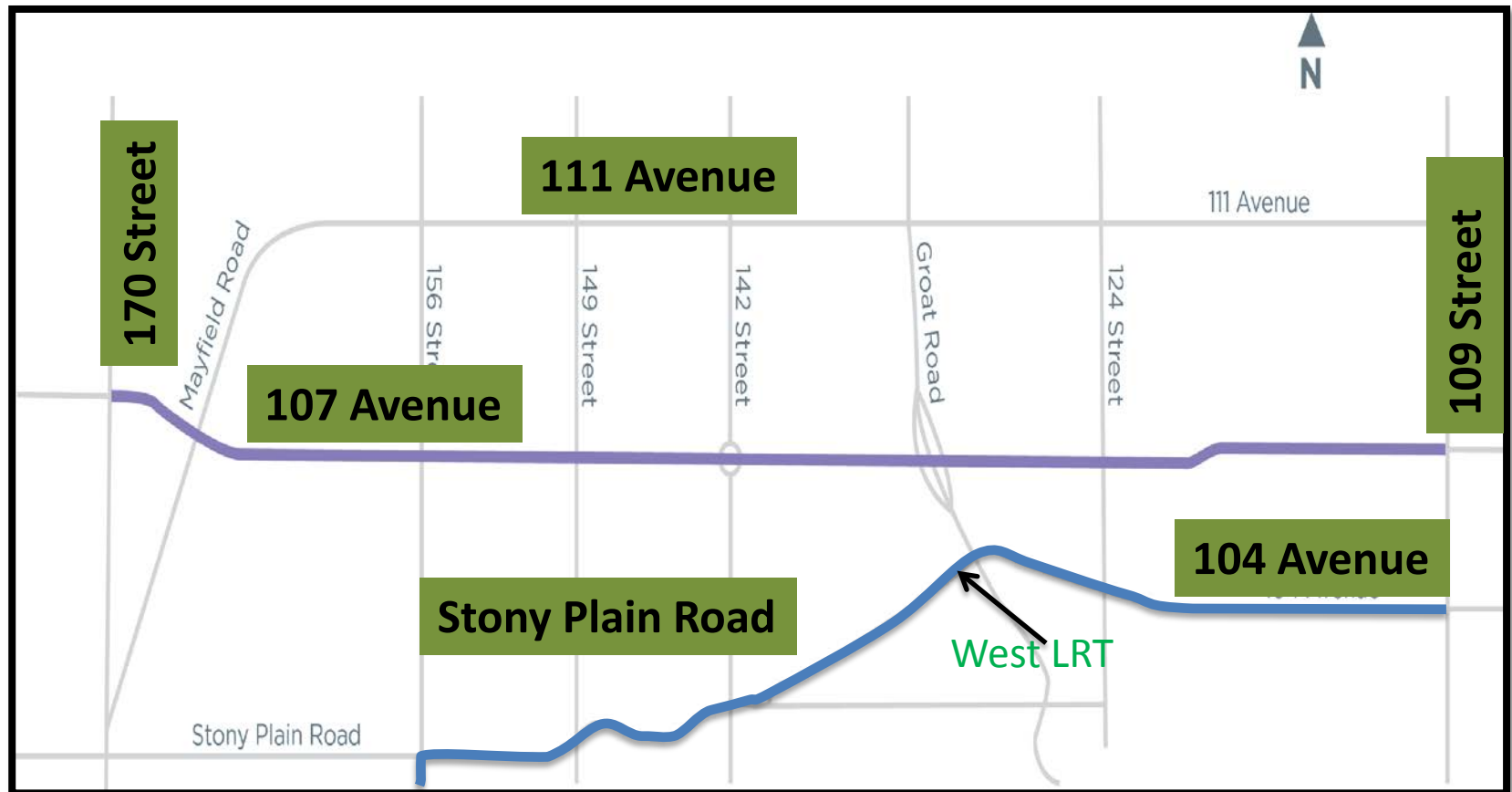
Develop a concept plan for 107 Avenue between 130 Street and 170 Street.

- Address operational and safety concerns for all modes (cars, cycling, walking, transit, and trucks) along the corridor
- Reduce traffic delays, congestion and improve connections for pedestrians, cyclists and transit
- Accommodate future growth and travel pattern changes due to the planned west extension of the Valley Line LRT

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PROJECT HISTORY

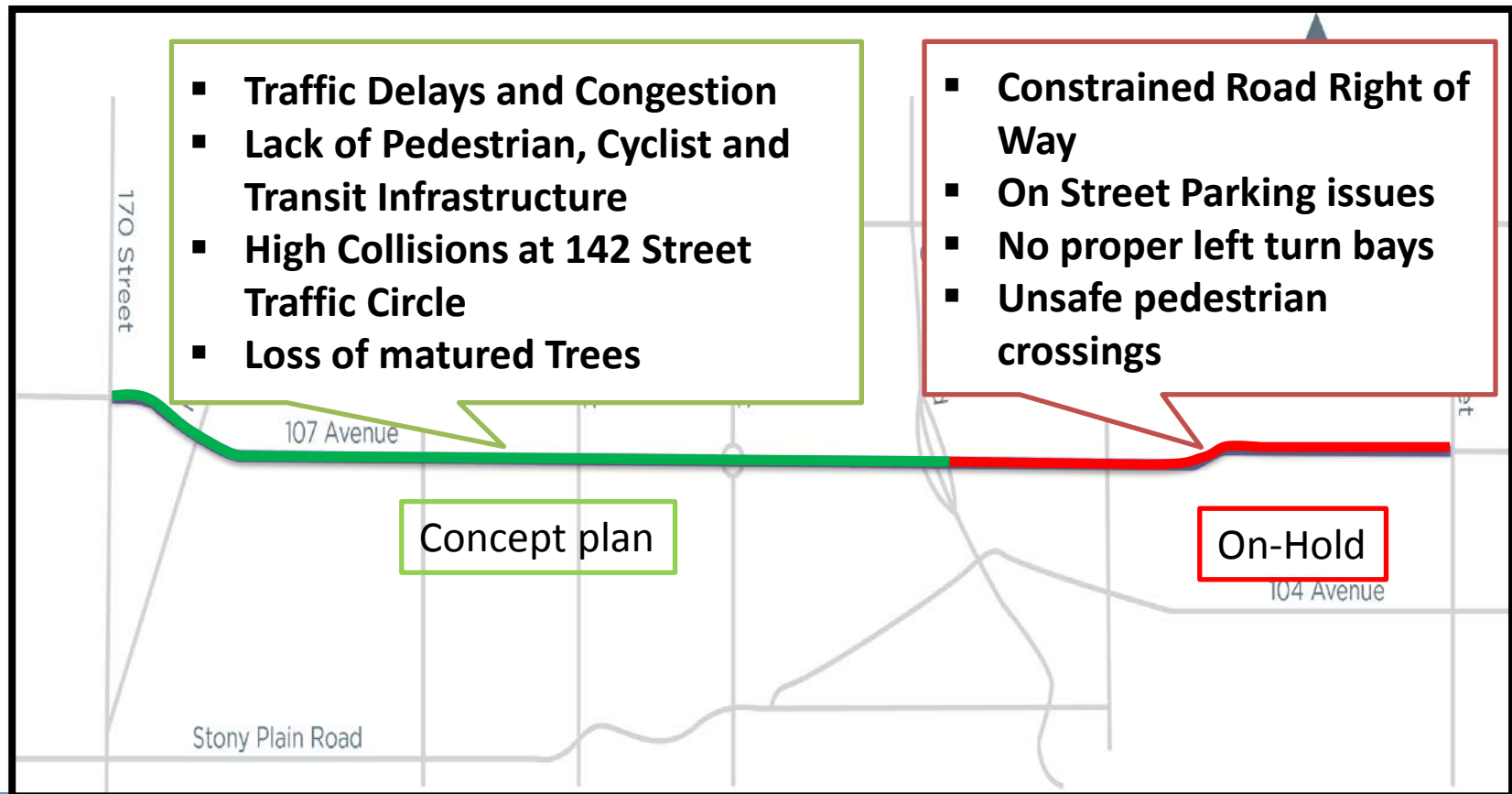
- ❖ Study limits originally from west of 109 Street to 170 Street



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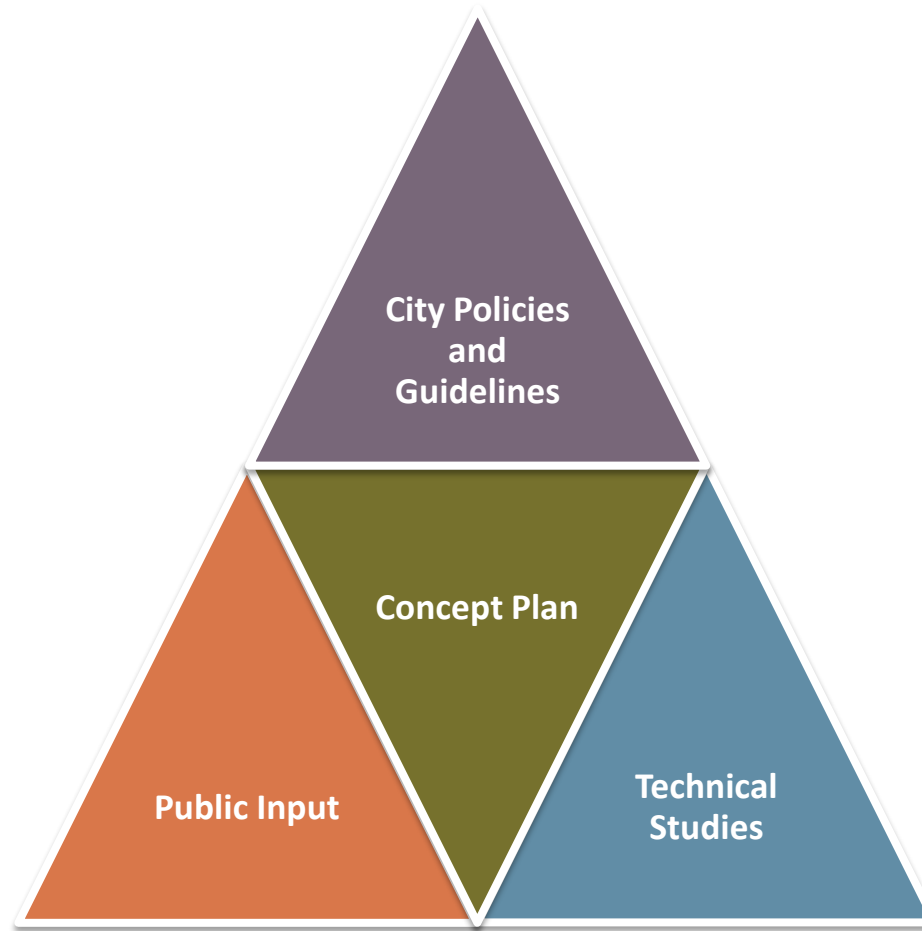
PROJECT HISTORY

- ❖ Initial public consultation and technical review revealed different concerns for west and east of 130 Street



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WHAT INFLUENCES THE DECISION MAKING PROCESS



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❖ Public Involvement Policy (2006)

- ✓ *Clear purpose, consistent approach, commitment to involve*

❖ Sidewalk Strategy (2008)

- ✓ *Strategy for sidewalk infrastructure in Edmonton*

❖ The Way Ahead (2009-2018)

- ✓ *Strategic Vision & Plan for Edmonton*

❖ The Way We Move (2009)

- ✓ Transportation Master Plan (TMP)

❖ Bicycle Transportation Plan (2009)

- ✓ A plan for bicycle friendly City in support of TMP, The Way We Move

❖ Active Transportation Policy (2009)

- ✓ Supports a pedestrian and bicycle friendly City by providing adequate facilities and raising awareness of all modes

❖ Complete Streets Guidelines (2013)

- ✓ Holistic roadway planning and design approach for all users in all seasons



City Policies
and
Guidelines

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PUBLIC INVOLVEMENT PROCESSES

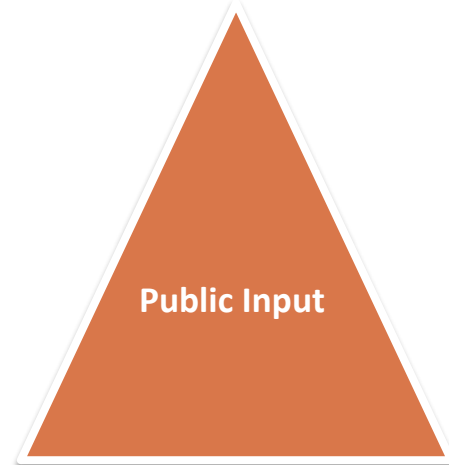


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WHAT WE HEARD

Major Themes

- ✓ Enhance overall safety and reduce vehicle collisions.
- ✓ Increase pedestrian and cycling connections and enhance safety for people who walk and bike.
- ✓ Avoid widening roadway to 6-lanes.
- ✓ Reduce traffic delays, congestion and speeds.
- ✓ Improve traffic pinch-points and reduce short-cutting, especially between 135 Street and 139 Street.



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WHAT WE HEARD

Other Themes

- ✓ Residential Quality of Life
- ✓ 142 Street Traffic Circle
 - ❖ *“Traffic circle manages traffic well, lack of education on how to drive is a problem”*
- ✓ 144 Street
 - ❖ Add left turn bay for eastbound traffic turning north
- ✓ 149 Street
 - ❖ Eliminate turn into residential alley
- ✓ Mayfield Road
 - ❖ Lengthen signal timing, Fix bottle neck



Public Input

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TECHNICAL STUDIES

- ❖ **Collision Analysis**
- ❖ **Traffic Analysis**
- ❖ **Access Management**

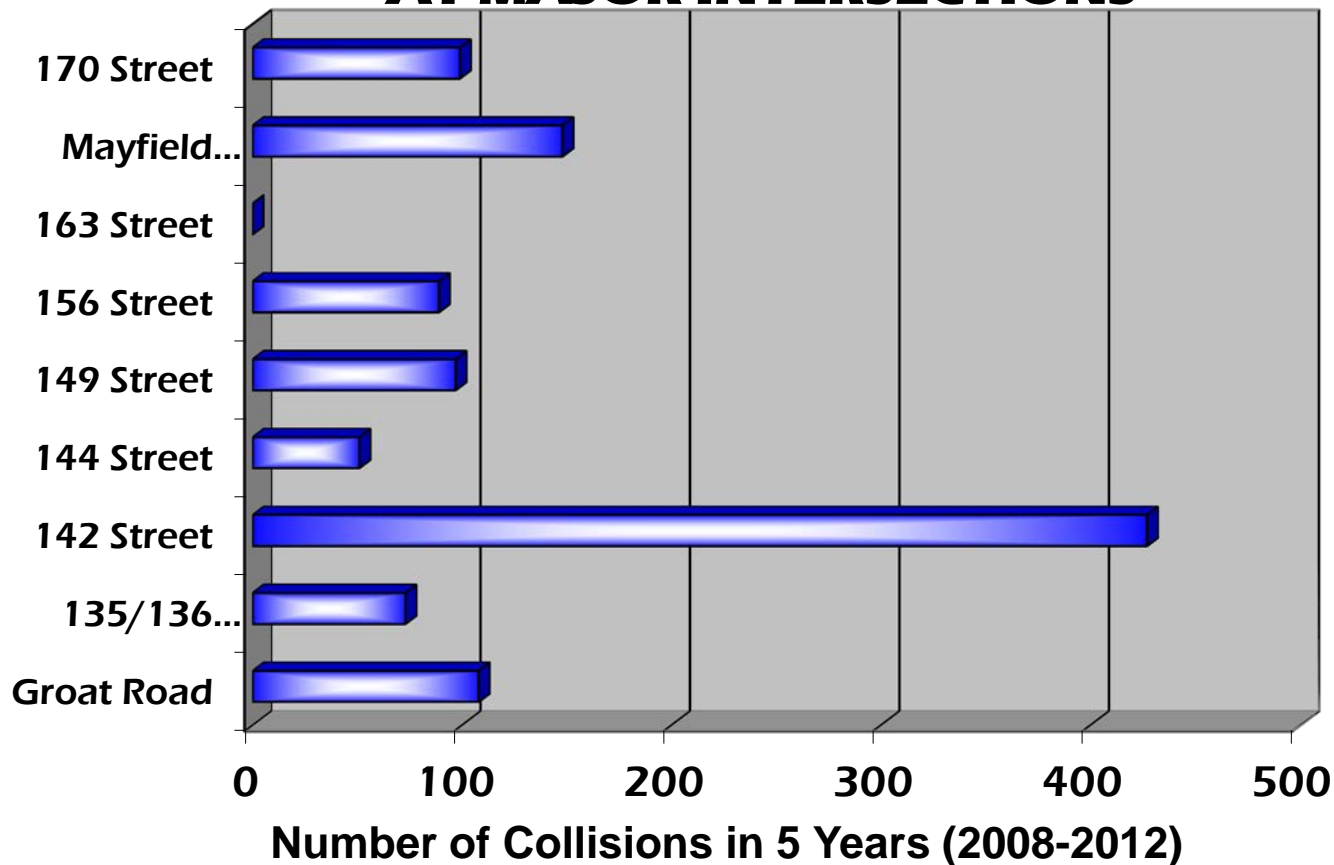


Technical
Studies

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COLLISION ANALYSIS

107 AVENUE COLLISIONS INFORMATION AT MAJOR INTERSECTIONS



Technical
Studies

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TRAFFIC ANALYSIS

Traffic Volumes along 107 Avenue are:

Existing: 18,000 to 30,000 vpd*

By 2047: 26,000 to 42,000 vpd



Technical
Studies

Today's volumes compared to other 4-lane roads within the City:

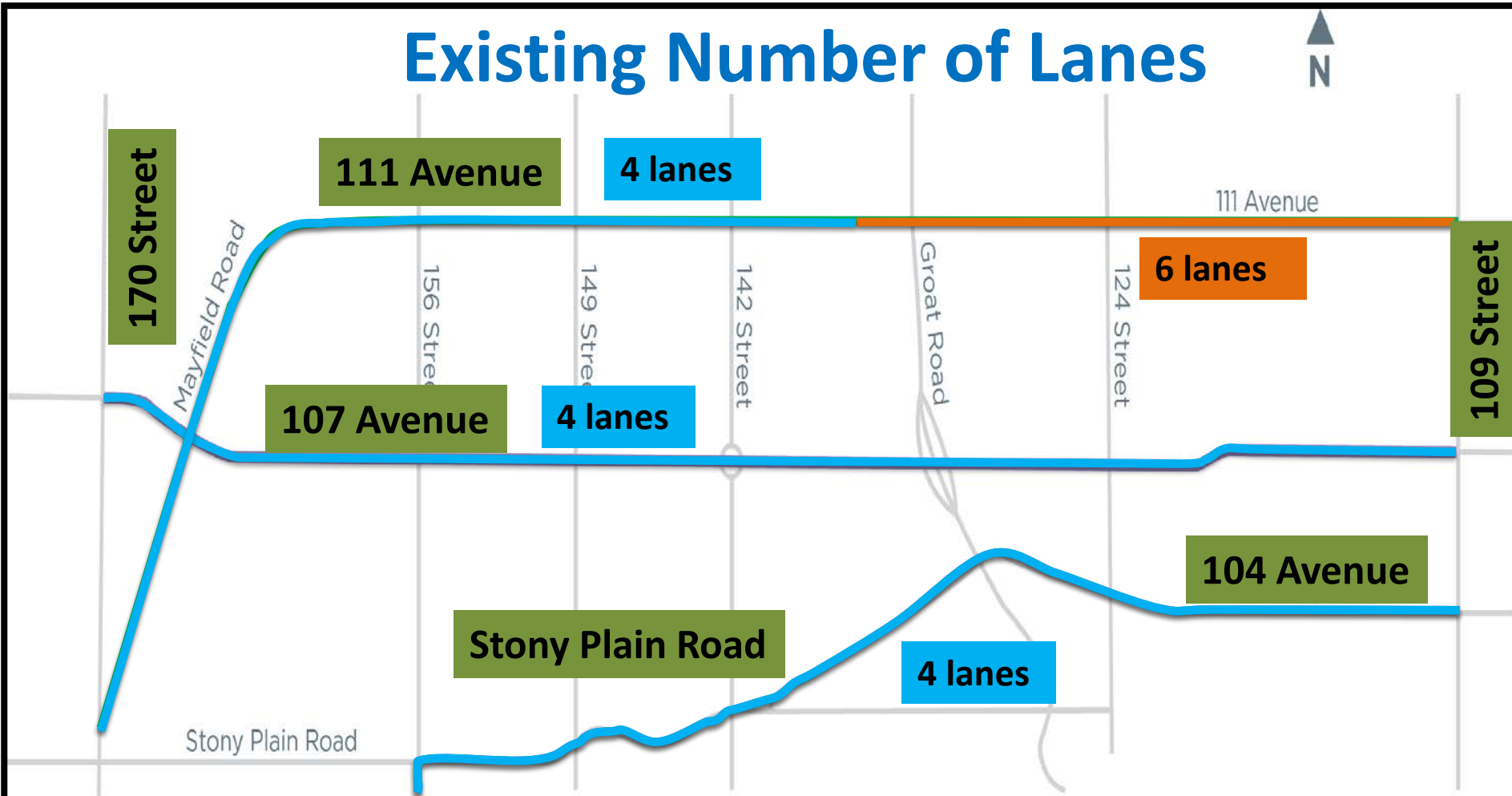
- ❖ 30,000 to 40,000 vpd: St. Albert Tr (south of Yellowhead Tr)
- ❖ 22,000 to 26,000 vpd: 149 St (south of Yellowhead Tr)

***vpd=vehicles per day**

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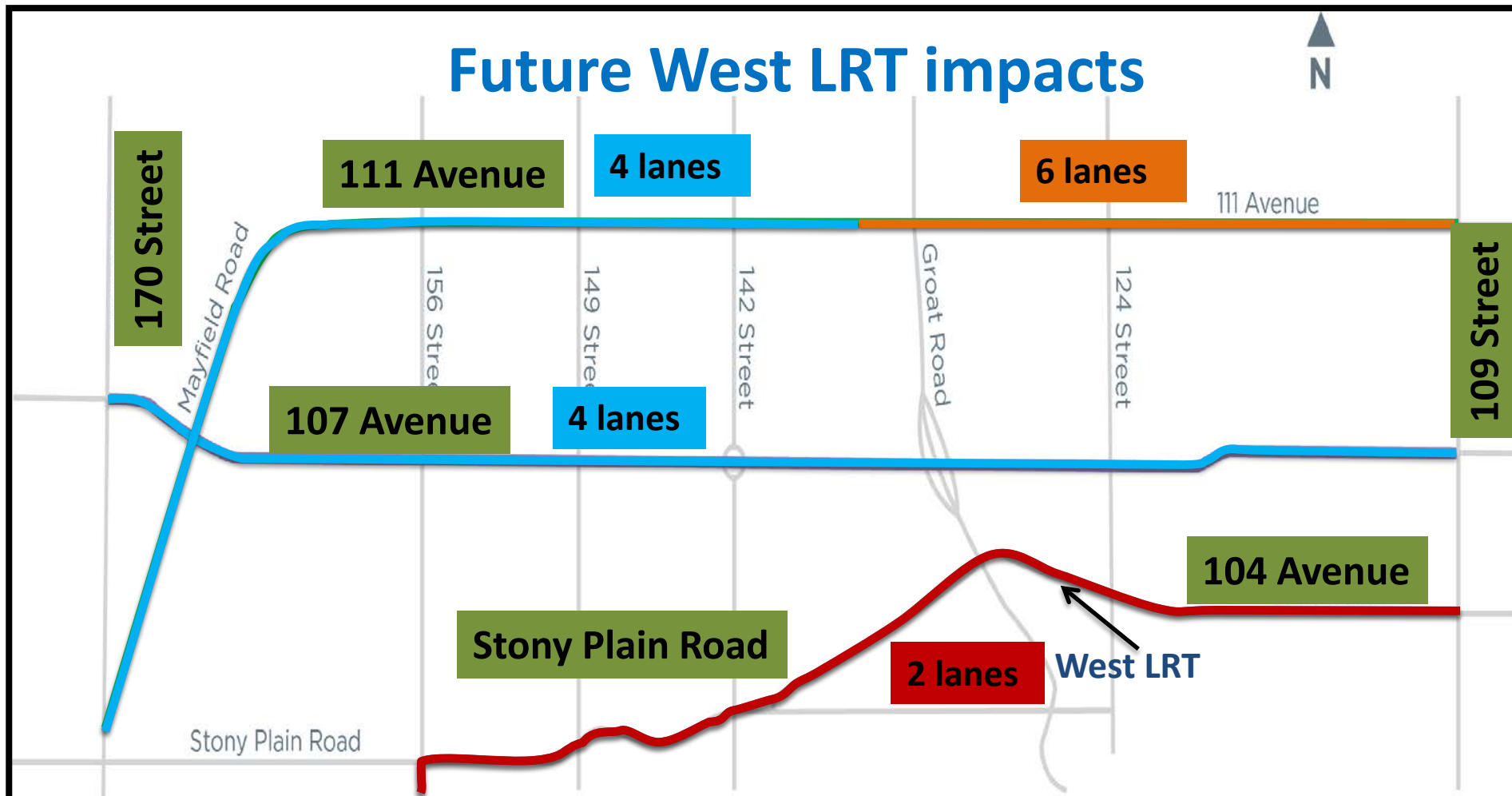
OPTION ANALYSIS

Existing Number of Lanes



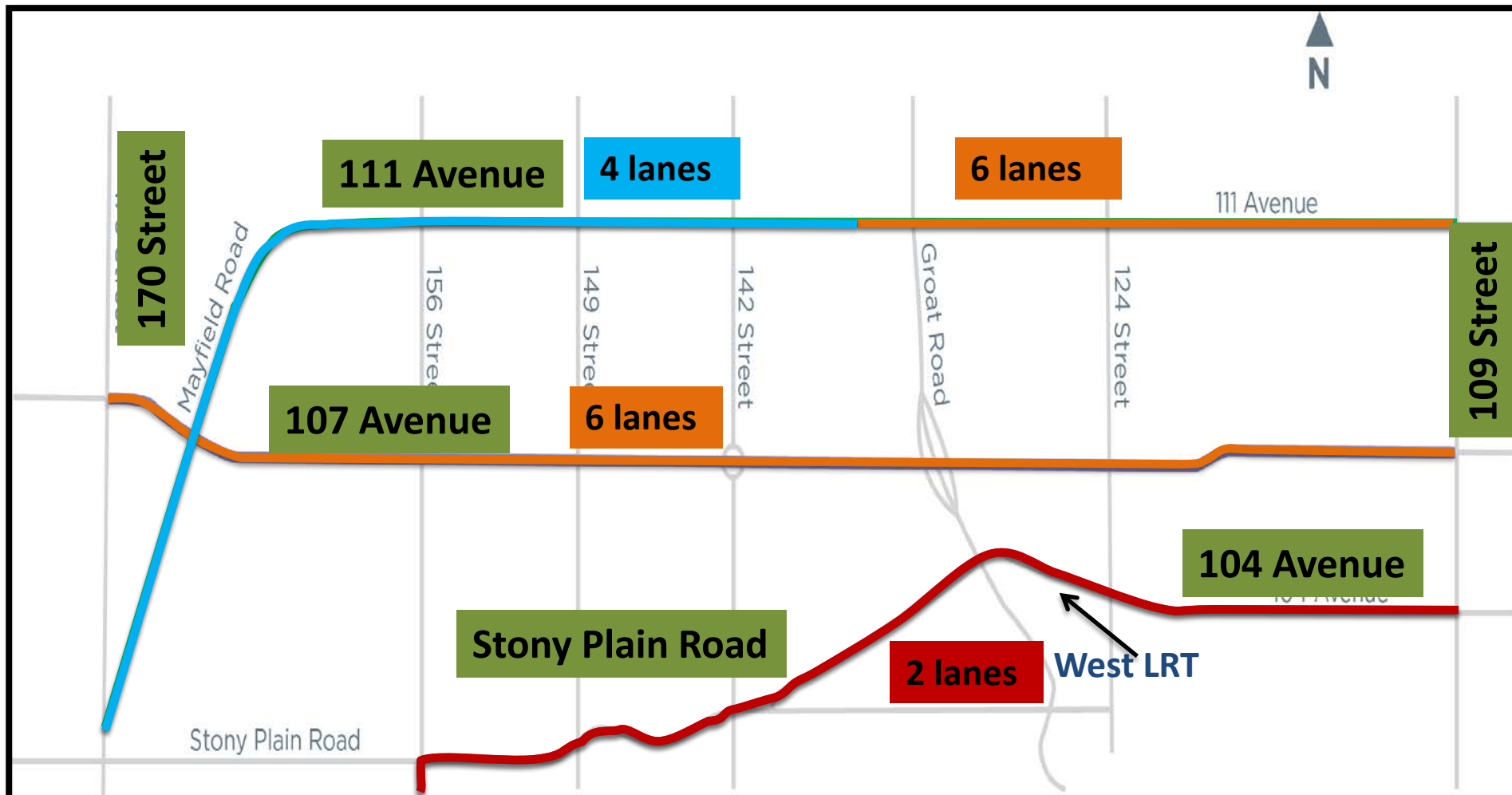
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OPTION 1 (EXISTING WITH WEST LRT)



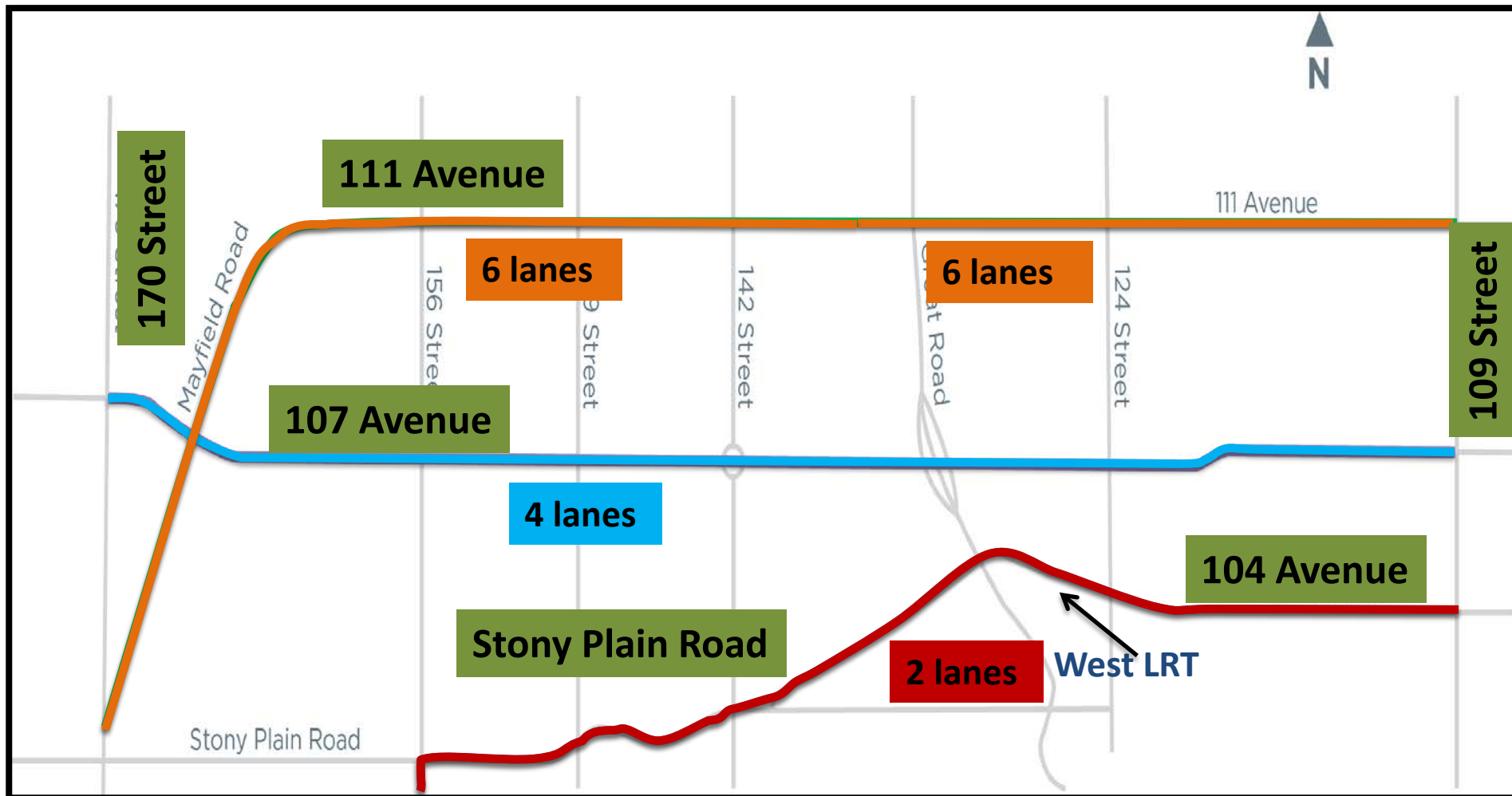
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OPTION 2 (107 AVENUE - 6 LANES)



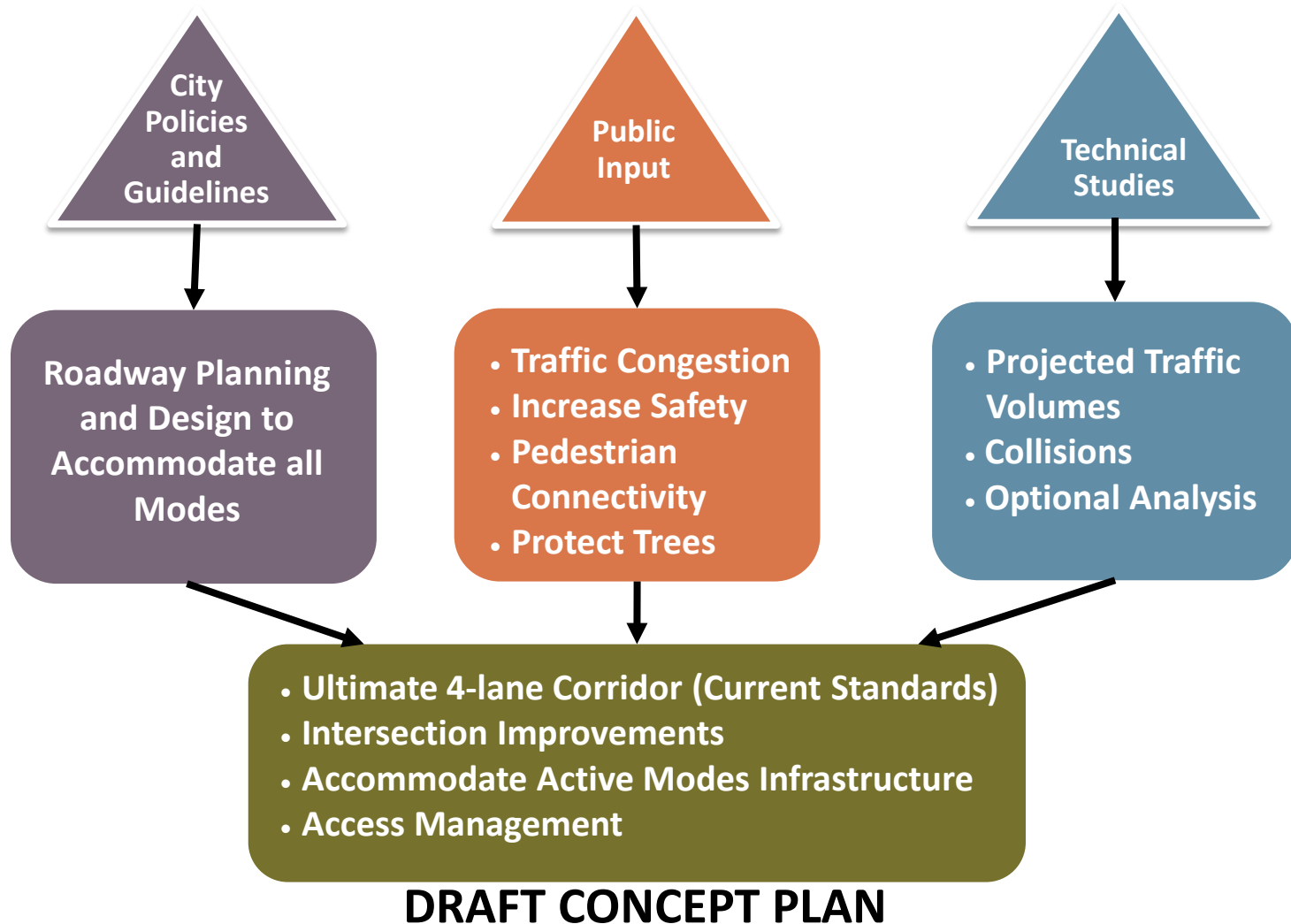
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OPTION 3 (107 AVENUE 4 LANES, 111 AVENUE 6 LANES)



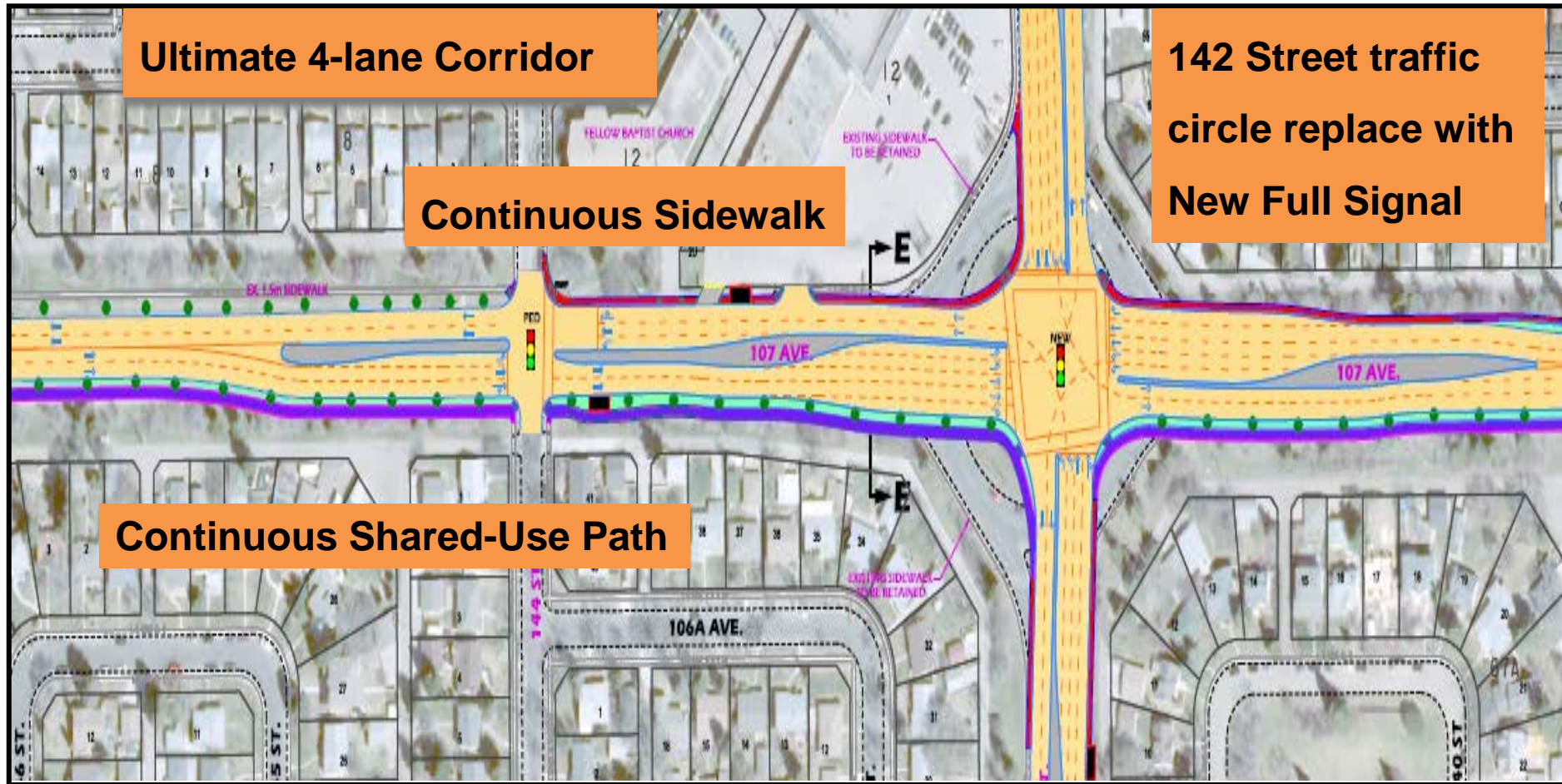
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PROPOSED RECOMMENDATION



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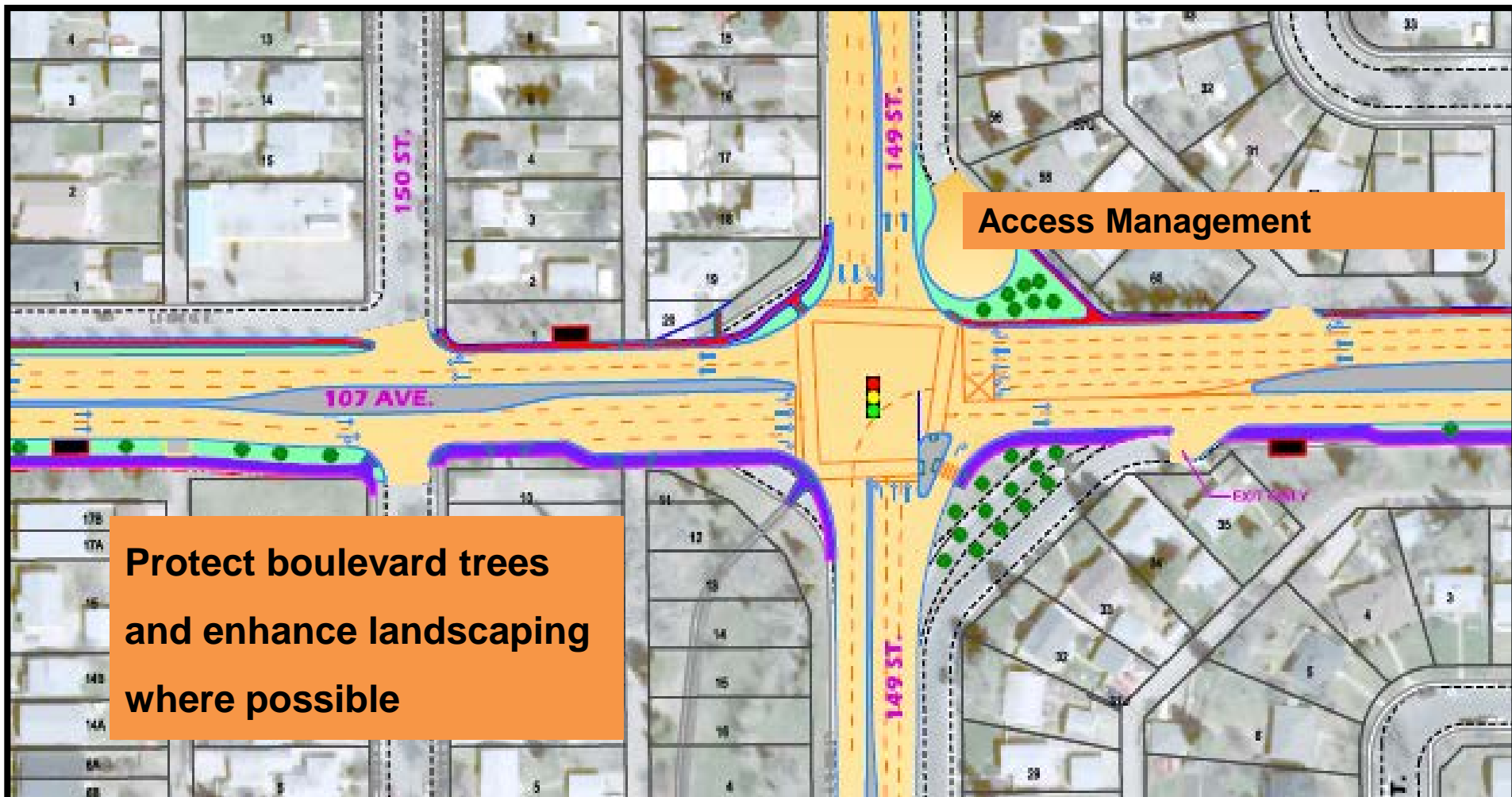
HIGHLIGHTS OF PROPOSED PLAN



An aerial photograph of a residential street, likely 107 Avenue, showing houses, trees, and a road. A semi-transparent blue banner is overlaid across the top of the image, containing the title text in a large, bold, black font.

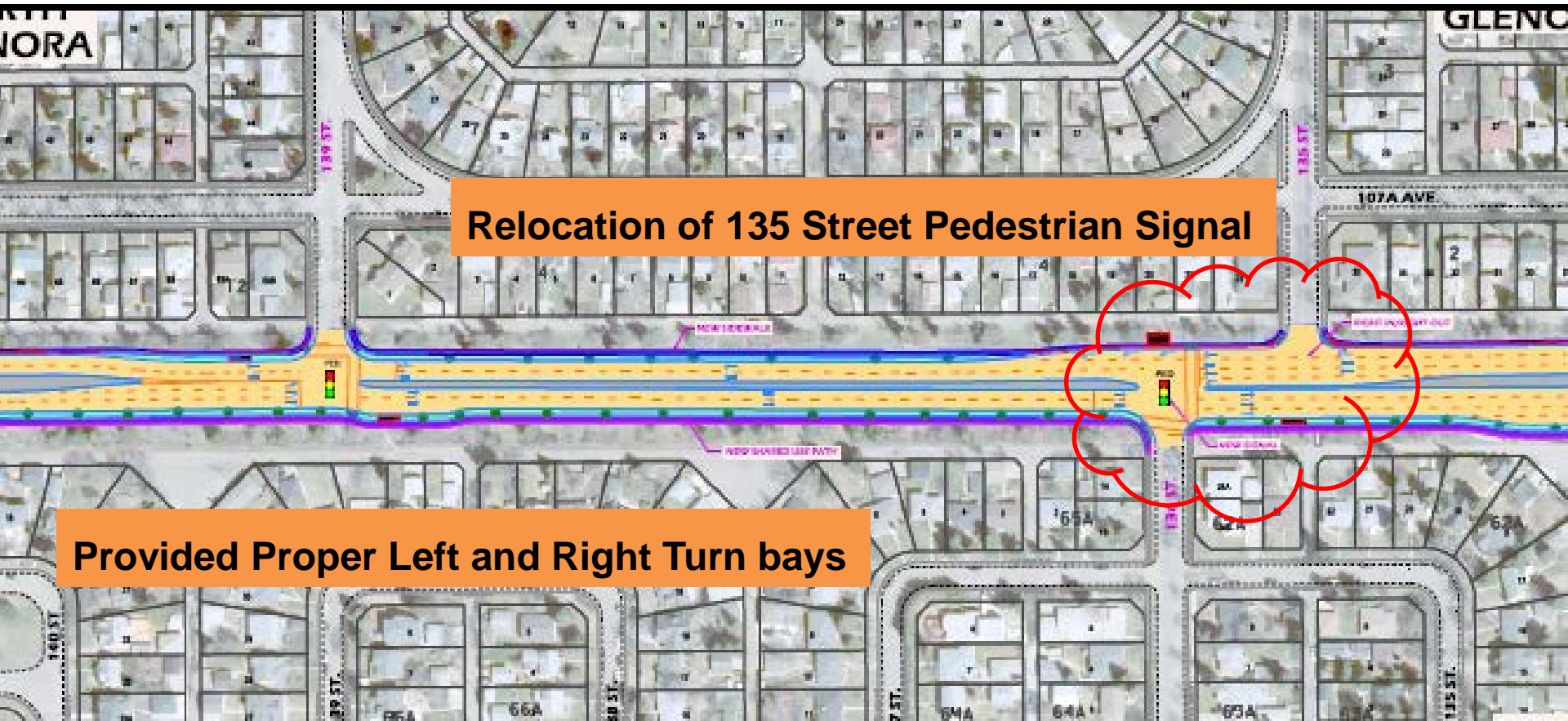
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HIGHLIGHTS OF PROPOSED PLAN



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HIGHLIGHTS OF PROPOSED PLAN



**** Please review the roll plans and displays for details***



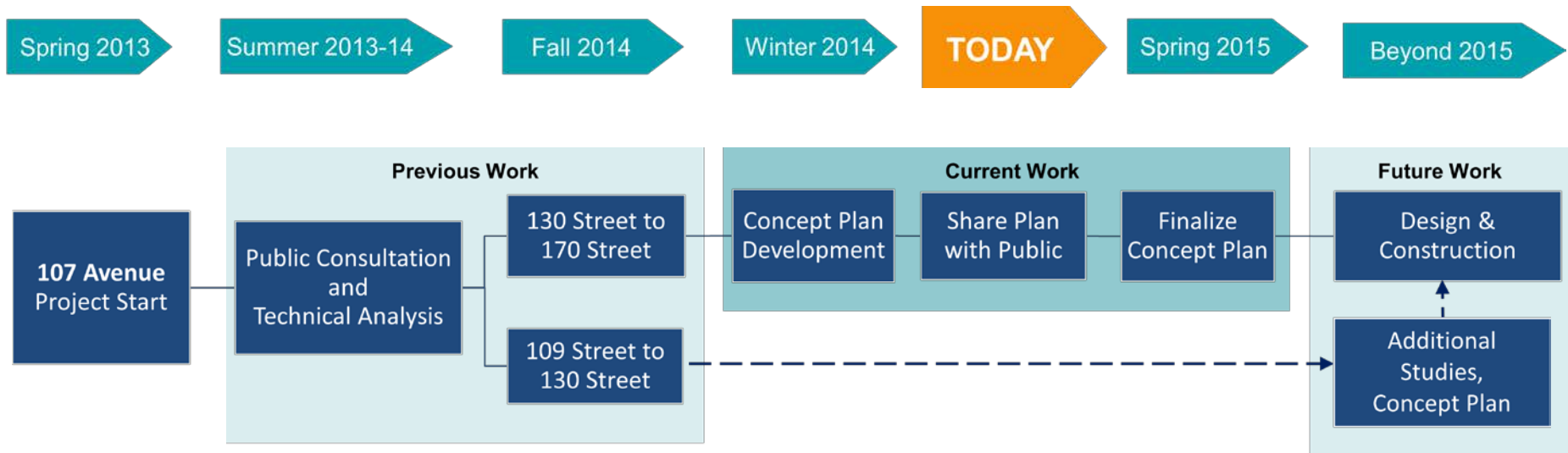
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SUMMARY HIGHLIGHTS OF PROPOSED PLAN

- ✓ Ultimate 4-lane corridor with current standards
- ✓ 142 Street traffic circle to be removed and replaced with a
Signalized Intersection
- ✓ Sidewalk provided on north side
- ✓ Shared-Use Path provided on south side
- ✓ Left turn bays are provided where ever possible
- ✓ Intersection improvements
 - 170 Street
 - Mayfield Road
 - 149 Street
 - 136 Street
 - 135 Street

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PROJECT TIMELINE





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NEXT STEPS

- 1. Refine concepts based on tonight's feedback.**
- 2. Finalize and Share the recommended plan.**



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PLEASE PROVIDE YOUR FEEDBACK

THANK YOU FOR ATTENDING!

- **Tonight we are seeking your feedback on the draft concept plan.**
- **Questionnaires are available at the door for you to complete.**
- **Your feedback will help to refine the draft concept plan.**

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QUESTIONS





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WHAT'S NEXT!

Thank You!

For project updates please our website at:
www.edmonton.ca/107AveStudy