



Welcome!

Manning Drive Safety Review Information Gathering Session

18 Street NW and Highway 28A (17 Street NE)

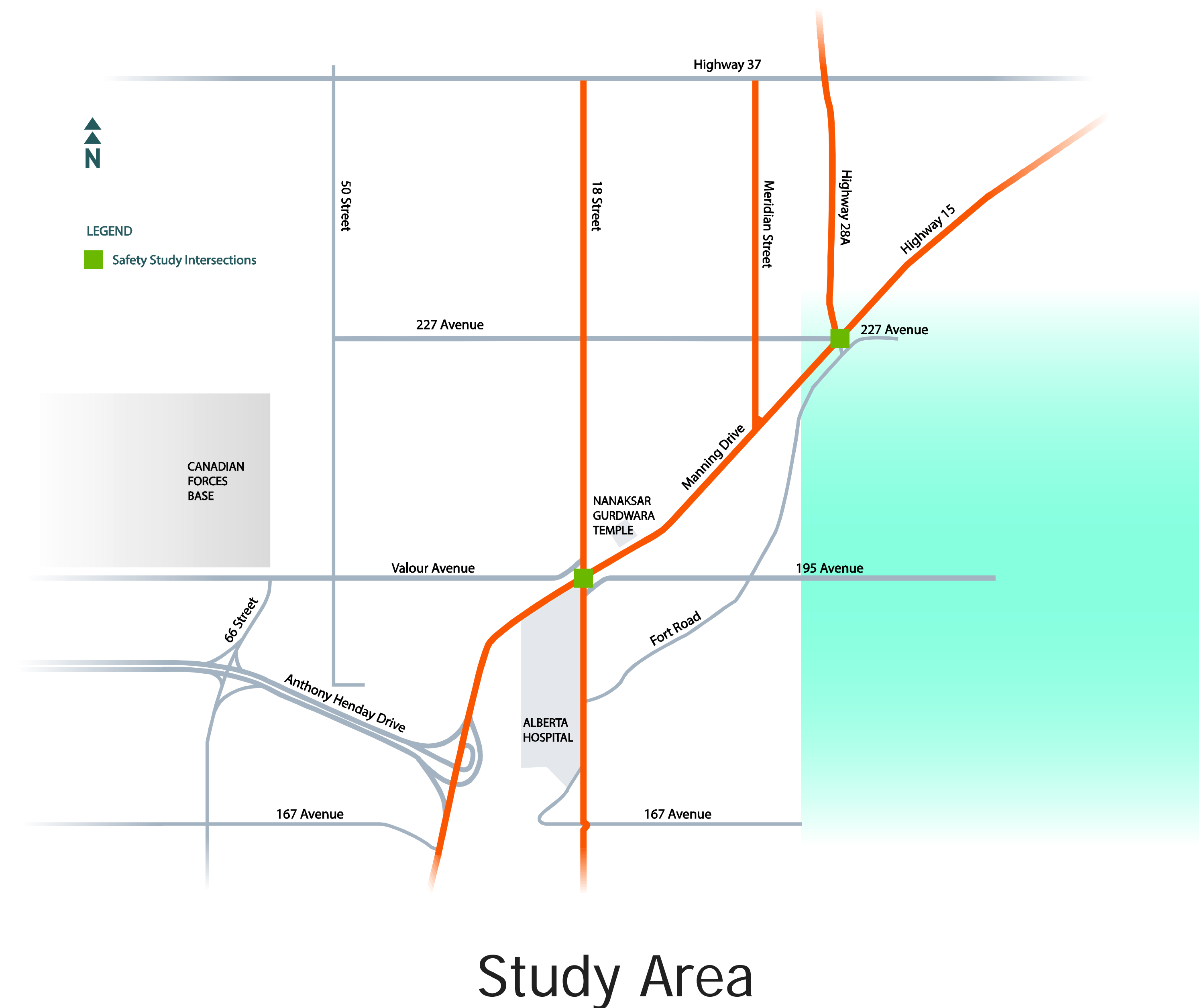
4:30 – 8:00 p.m.
October 14, 2015



Edmonton

Study Purpose


1. Confirm safety and operational concerns on Manning Drive at 18 Street NW & Highway 28A (17 Street NE)
2. Complete safety analysis and counter-measure option evaluation
3. Recommend short-term safety improvements





Meeting Purpose

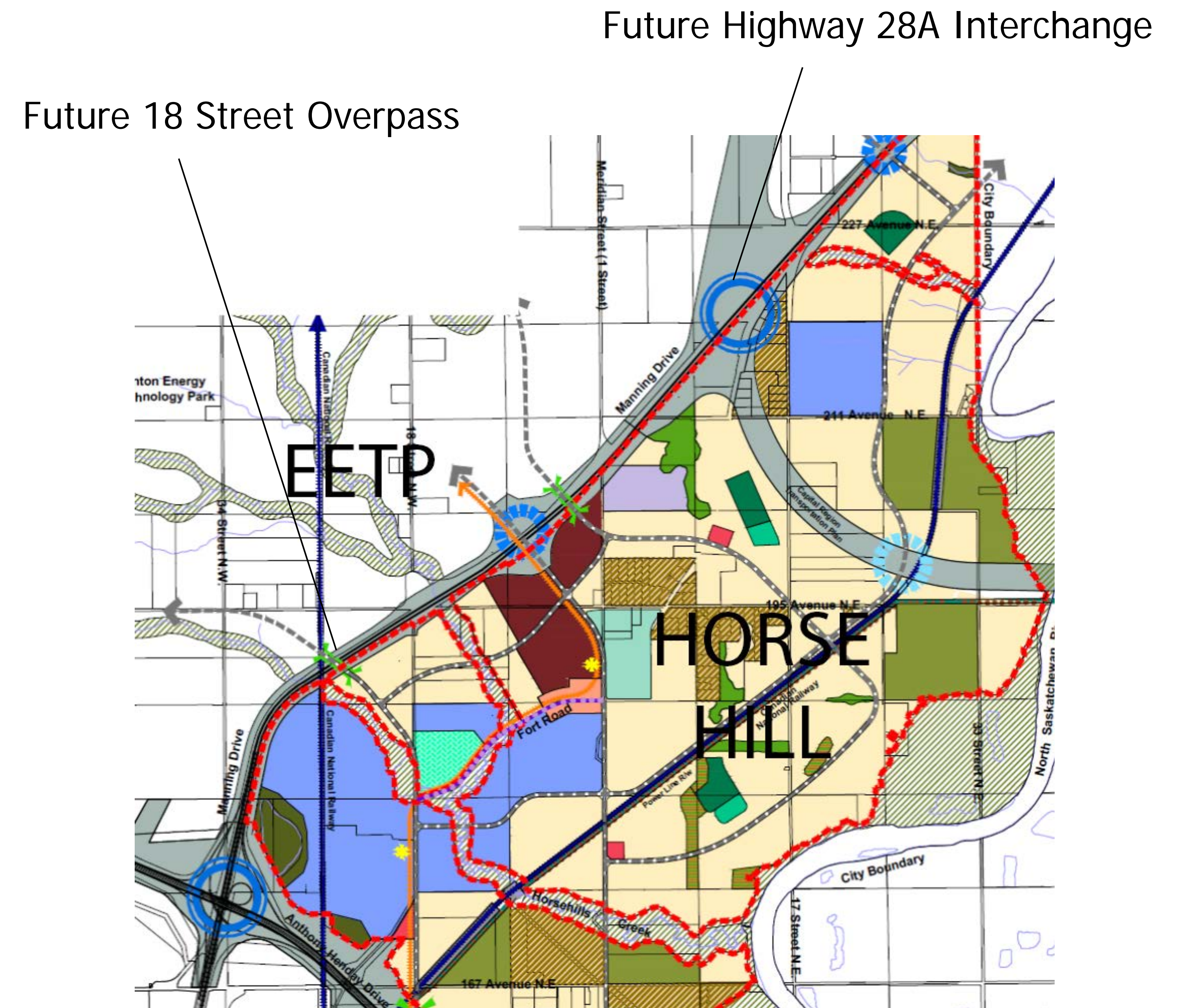
1. Confirm existing safety concerns at 18 Street NW and Highway 28A (17 Street NE)
2. Present short-term improvement options to enhance safety
3. Collect feedback on identified safety concerns and proposed solutions



Tell us your thoughts!

Study Background

- Significant development is planned in the Horse Hill area and the Edmonton Energy and Technology Park (EETP)
- The Province is planning to upgrade Manning Drive to a freeway with interchanges in the long term
- The City, Alberta Transportation, and area developers will contribute to the long-term infrastructure investment (interchanges) in the area
- Short-term solutions are needed until interchanges are constructed



Area Growth
(City of Edmonton)

Operational & Safety Review

An on-site field assessment was completed in summer 2015 during peak hours, night-time, and during special events.

Observations Included:

- Speeding on Manning Drive
- Delays turning onto Manning Drive
- Worn pavement markings and signs
- Merging issues on / off Manning Drive
- Left turn issues with risky behavior
- Driver confusion with closely-spaced service road intersections

Site Observations



Degraded pavement edges and markings



Skewed Intersection Geometry / sightlines



Vehicles stacked in median to turn left



Faded signs that are difficult to read

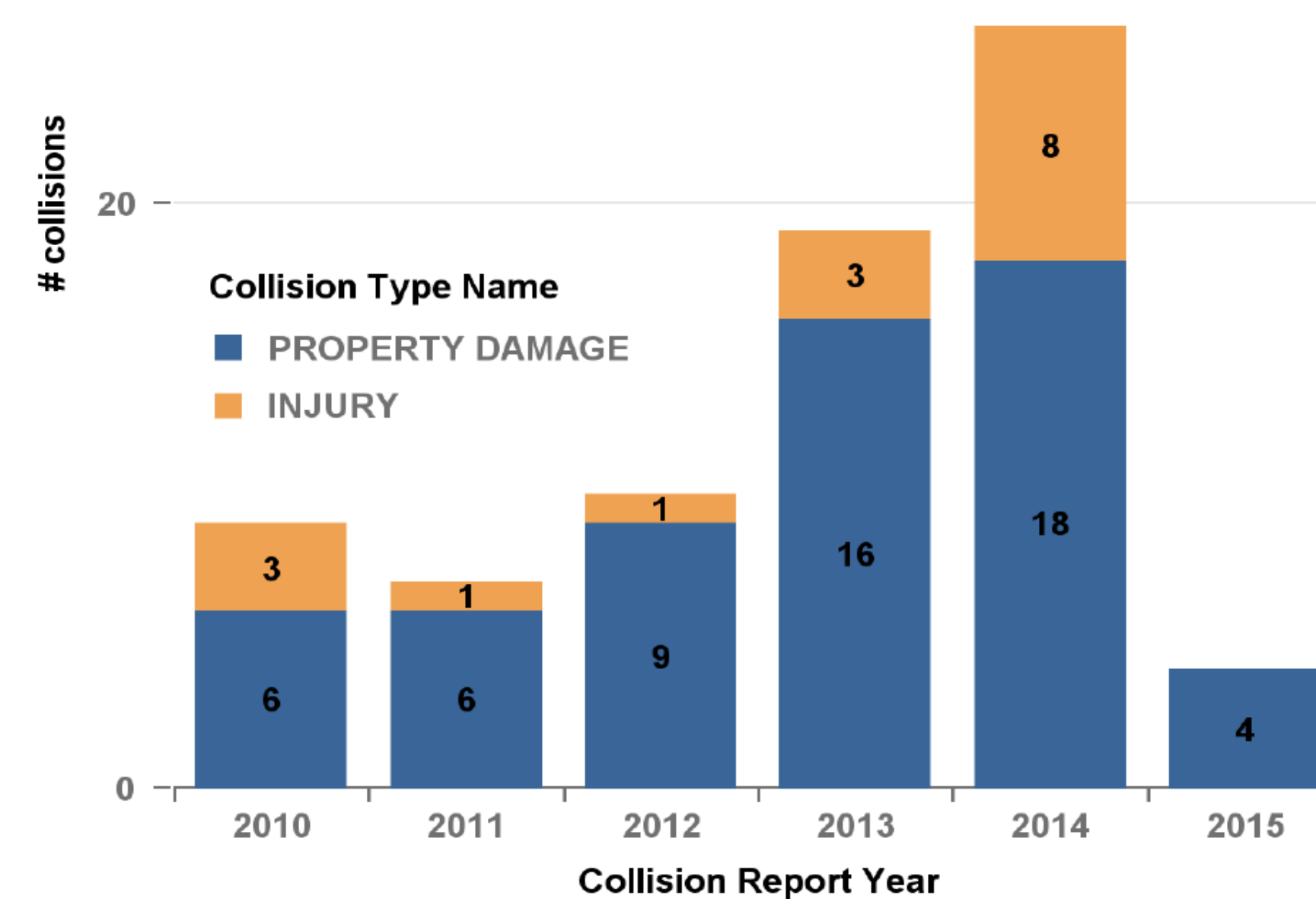
Operational & Safety Review

Safety analysis was completed to identify and confirm known safety issues at both locations.

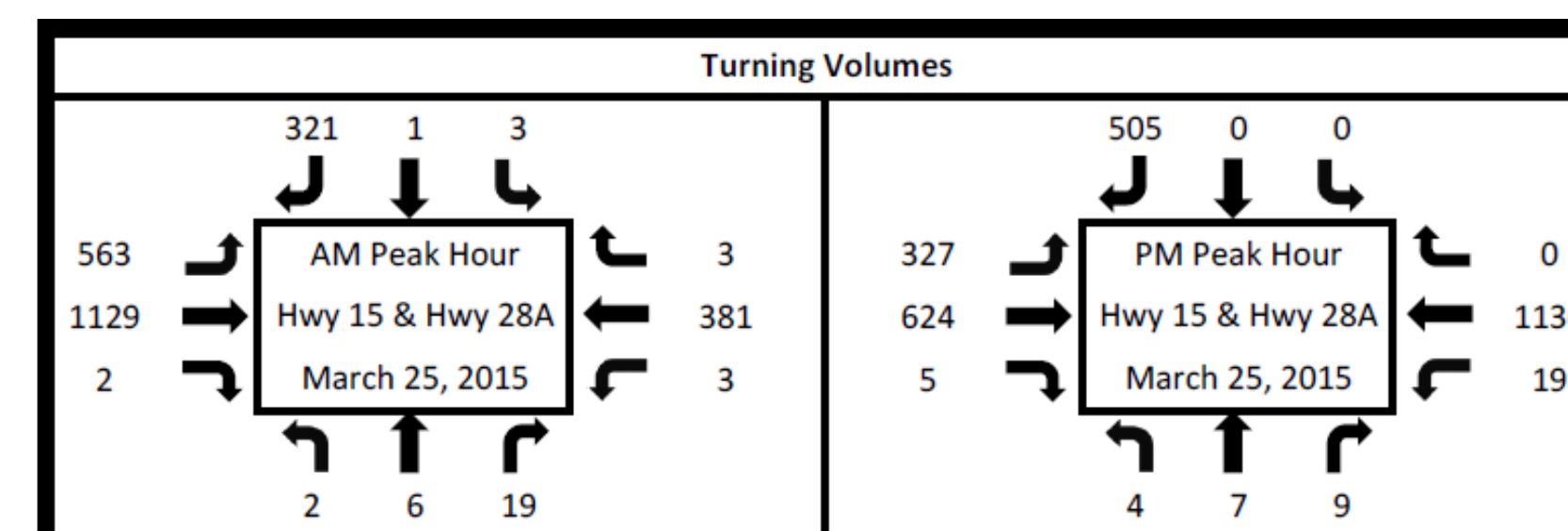
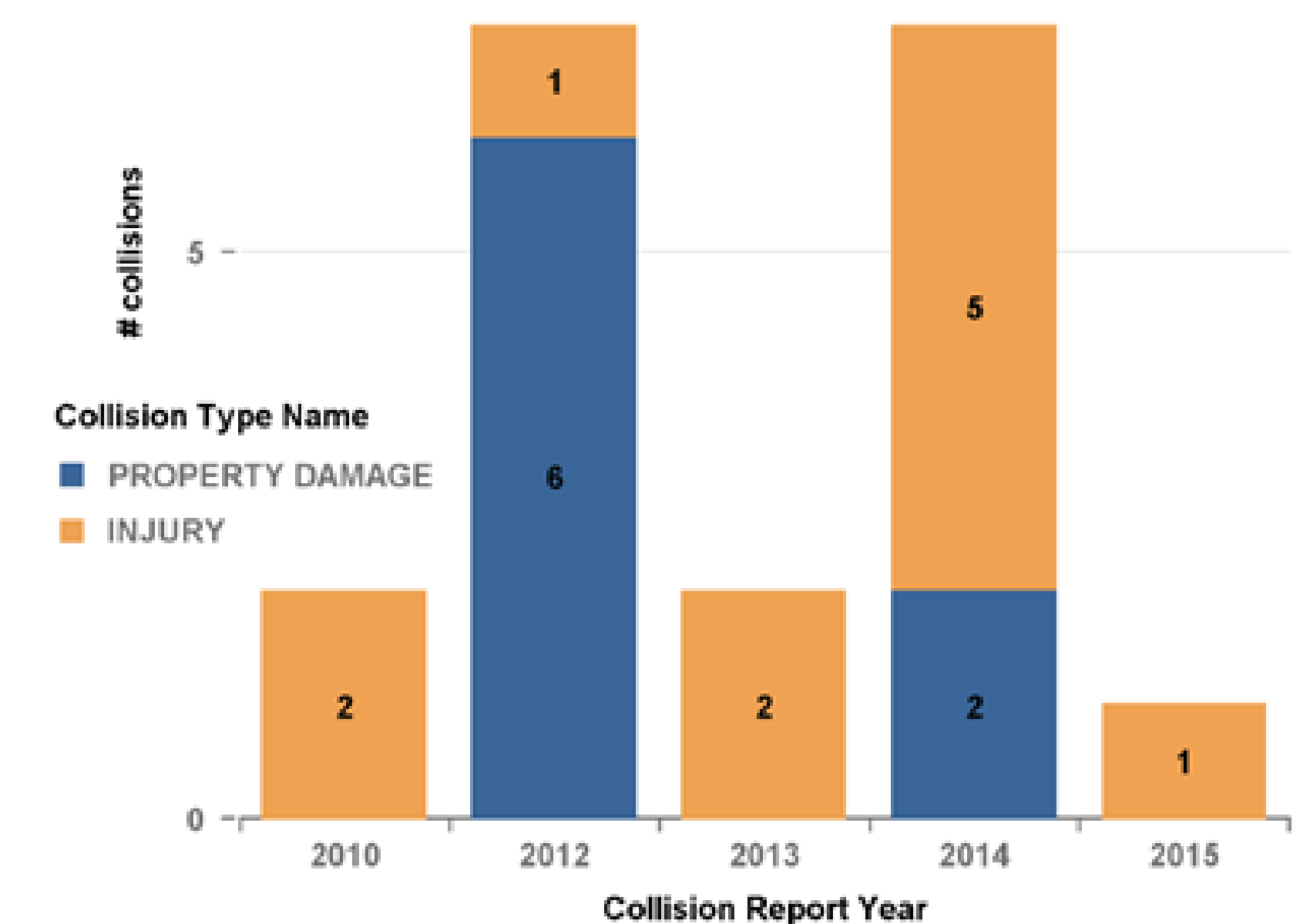
Safety analysis included:

- Collision analysis;
- Traffic volumes and signal warrants;
- Human factors analysis; and
- Geometric analysis.

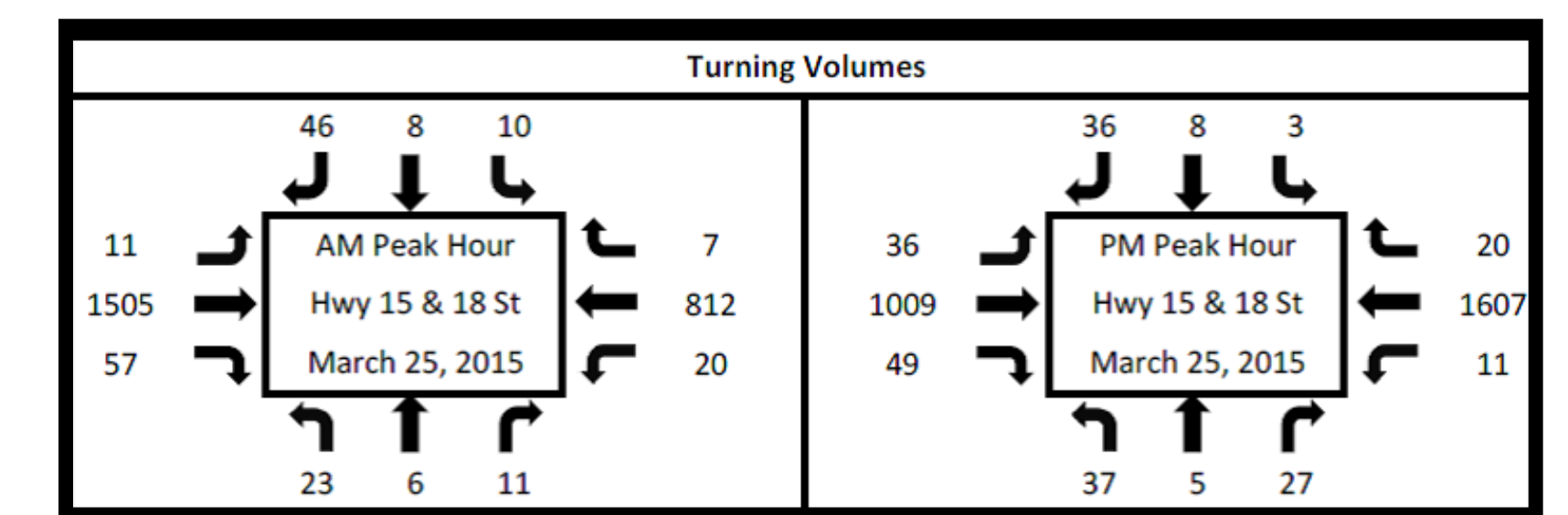
Highway 28A



18 Street

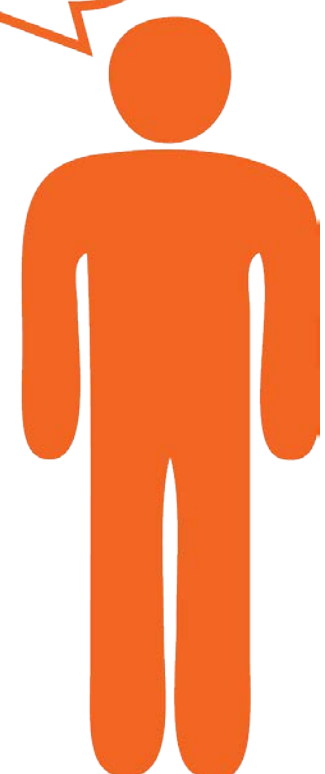


2015 current traffic volume



2015 current traffic volume

What did we miss?



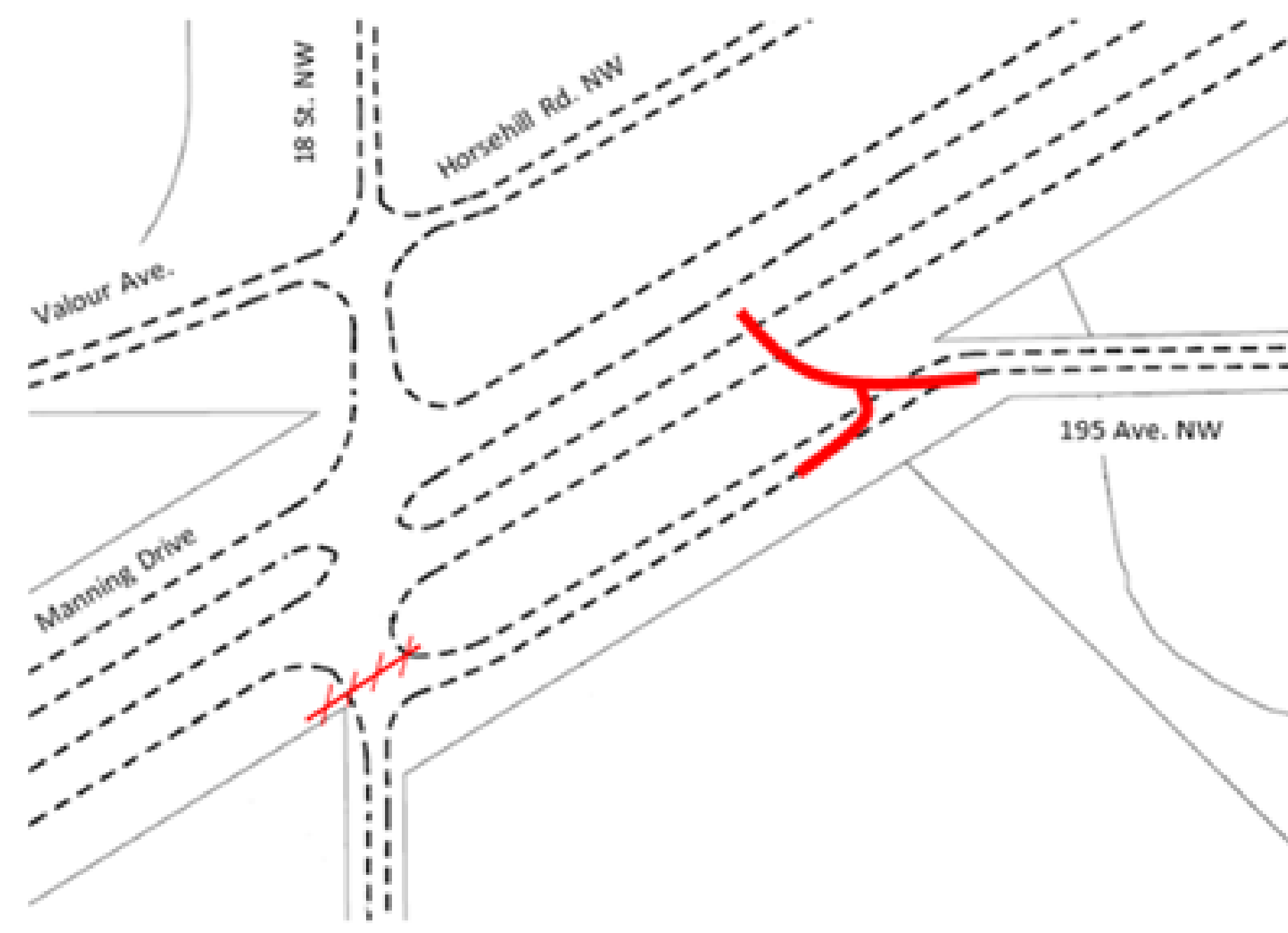
Please provide feedback on near-miss incidents, as these conflicts are not captured in collision reports

No fatalities have been reported at these locations between 2010 & 2015

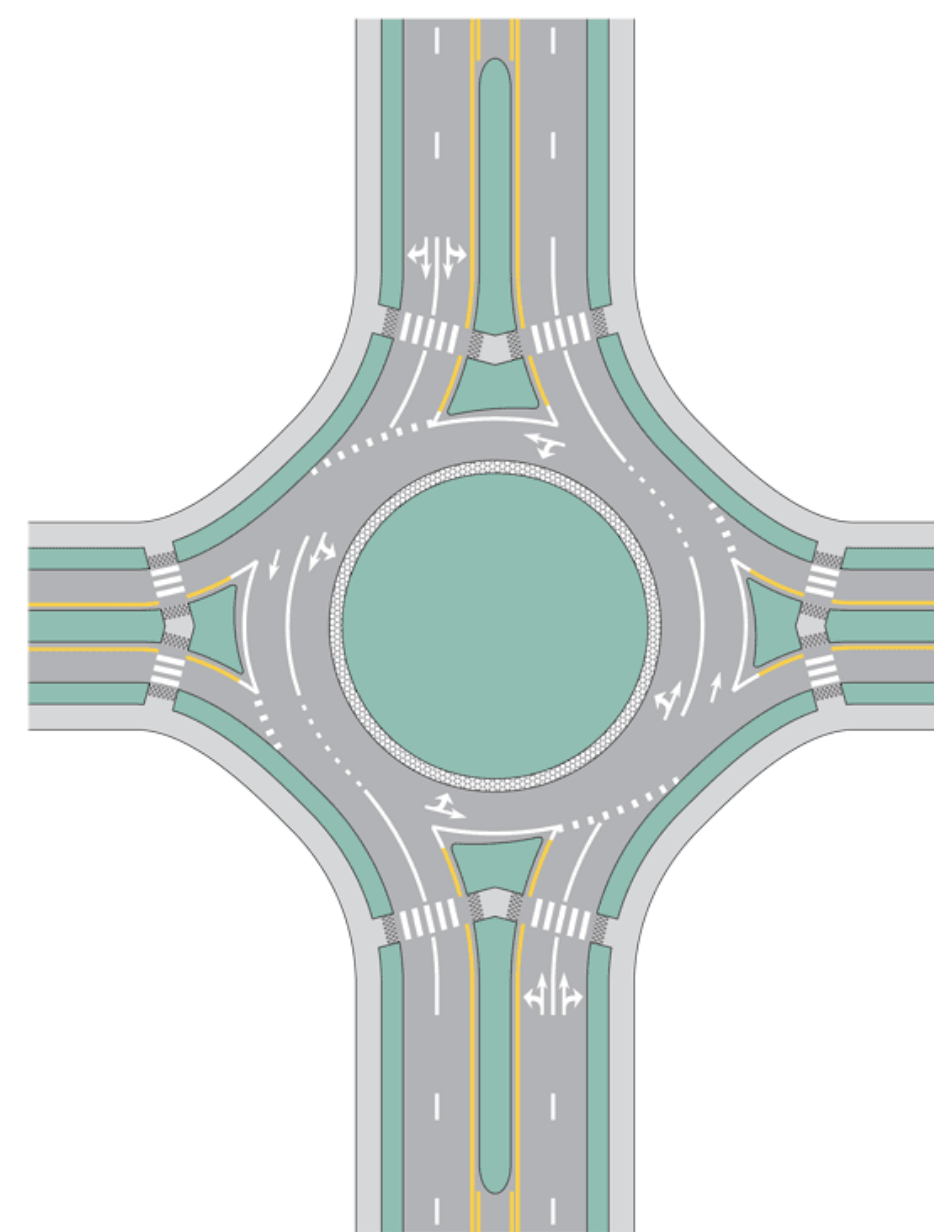
Short-term Solution Options

Possible short-term solutions to address the operational constraints and safety concerns were evaluated based on criteria determined in conjunction with the City of Edmonton and Alberta Transportation representatives.

Possible solutions ranged from intersection closures and realignments to alternative traffic controls, including signals.



Split Intersections
Separates left turn movements
(18 Street NW)



Modern Roundabouts
Keeps traffic flowing
(both locations)



Traffic Signals
Reduce turning issues
(both locations)



Study Outcomes

Short-term:

Traffic signals and minor geometric changes at both 18 street NW and Highway 28A (17 Street NE)

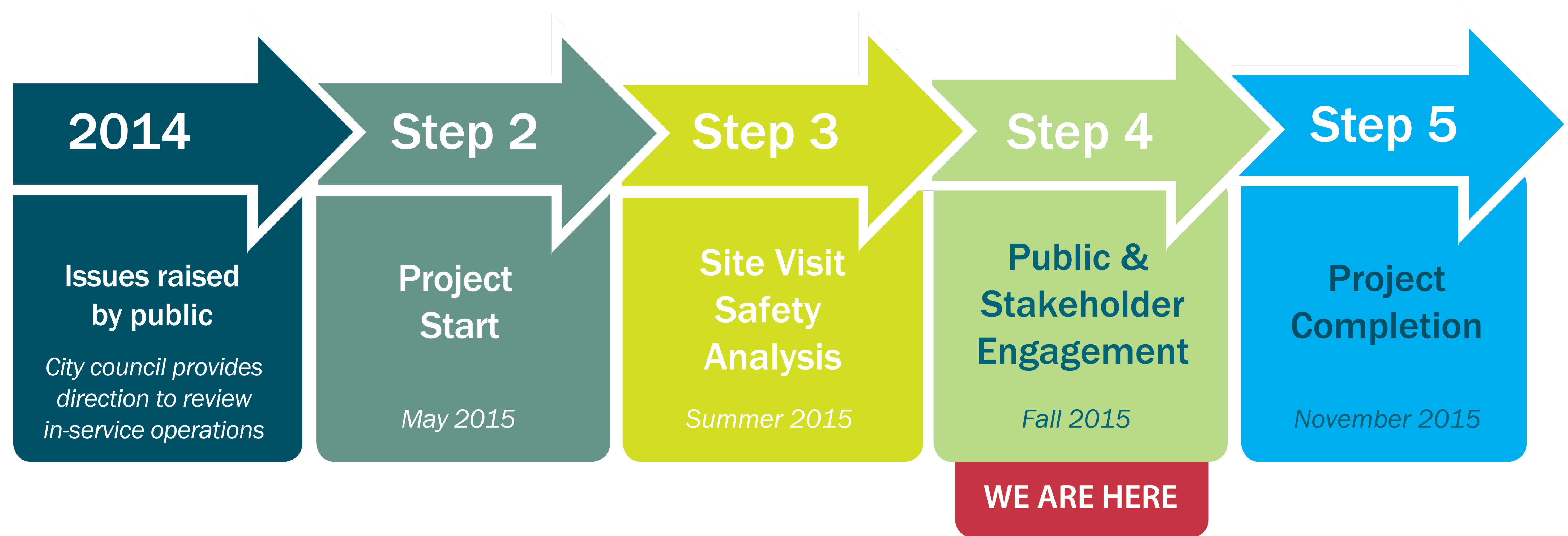
Long-term:

Manning Drive will be a freeway with:

- Interchange at Meridian Street;
- Interchange at Highway 28A / 17 Street; and
- An overpass at 18 Street NW.

Construction timelines are unknown

Project Timelines & Next Steps



Next Steps:

Short-term safety improvements at these locations are not currently funded. The City of Edmonton will work with Alberta Transportation to finalize the short-term solutions and determine funding sources



THANK YOU!

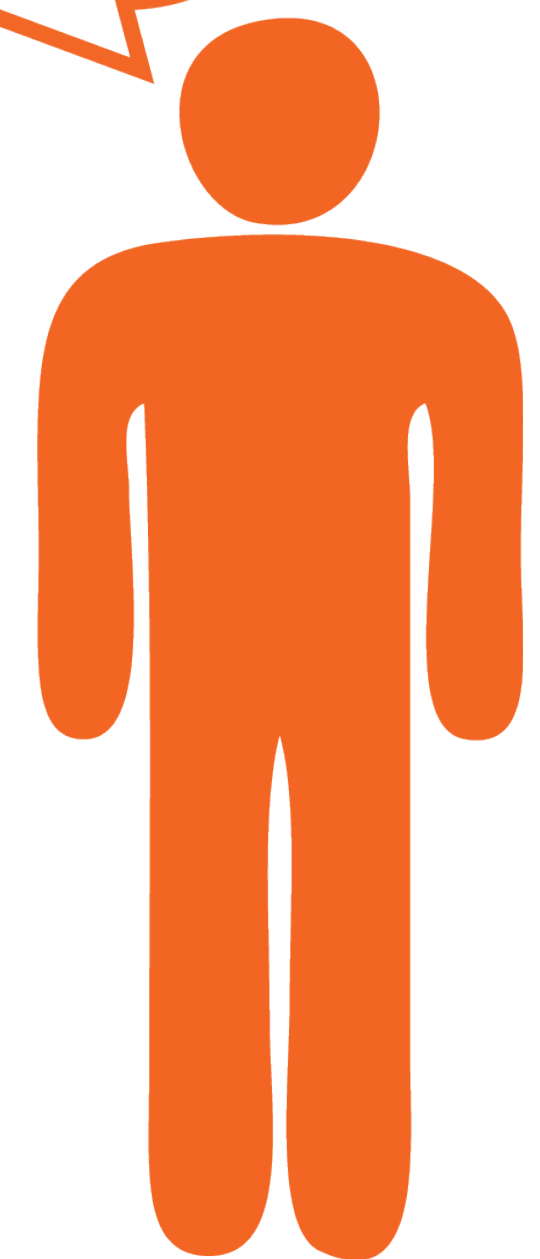
Tell us how we did!

Please provide your feedback on a Comment Form.

Comment Forms can be left at the welcome desk or, if you prefer, take one home and submit by mail, email, or fax, or complete the form on the project website. Please return before October 30, 2015.

You can also complete the survey online at:
www.Edmonton.ca/ManningDrSafetyReview

Tell us your
thoughts!



McElhanney

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