



Streets for People: Integrating Active Transportation and Traffic Calming

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Canada's Active Transportation Trend

Bicycle Usage

- Number of Canadians cycling to work increased by 41% from 2006 to 2016, with further growth noted during the COVID-19 pandemic (*Statistics Canada*)

Walking Trends

- A 2021 report by the Canadian Institute for Health Information indicated that approximately 13% of Canadians walk as their primary mode of transportation for short trips

Government Initiatives

- In 2021 the Government of Canada announced a commitment of \$400 million over five years to enhance cycling and pedestrian infrastructure as part of its Active Transportation Fund

Public Support

- A survey by the Canadian urban Transit Association found that 71% of Canadians support expanding bike lanes and pedestrian pathways in urban areas



Understanding Active Transportation

What is Active Transportation?

- Self-powered movement (ie. Walking, cycling, in-line skating, skate boarding, etc.)

What are the Benefits of Active Transportation?

- Urban Mobility
- Physical Activity
- Emission Reduction
- Community Connectivity

The Case For Active Transportation

Why should Municipalities Increase their Focus on Active Transportation Facilities?

- Enhancing Public Health
- Reducing Traffic Congestion
- Economic Growth
- Promoting Social Equity
- Future Proofing Urban Infrastructure





Paving the Way

Importance of Active Transportation and Traffic Calming

- Safety for All
- Empowering Movement
- Building Connections
- Value-Driven Safety
- Healthier Communities, Stronger Economies

Public Realm Challenges

- Competing Priorities
- Infrastructure Limitations
- Community Resistance
- Safety Concerns

Road Design Measures

Road Diets

Roundabouts

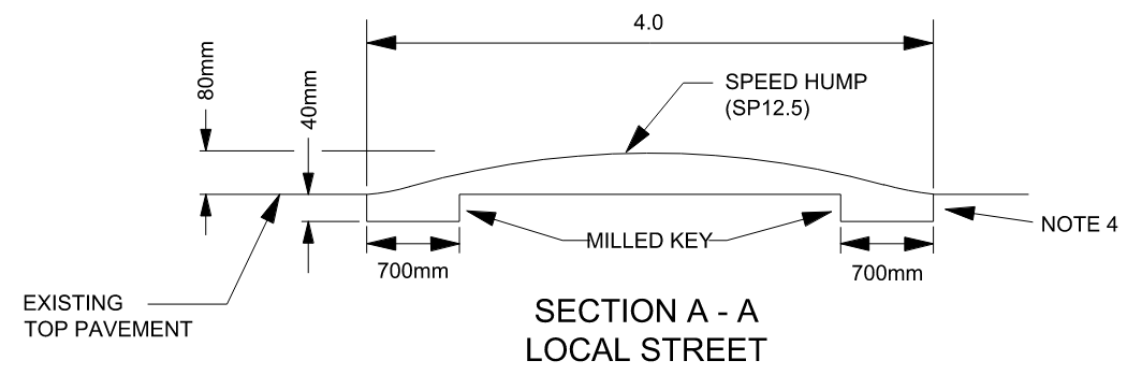
Lane Narrowings



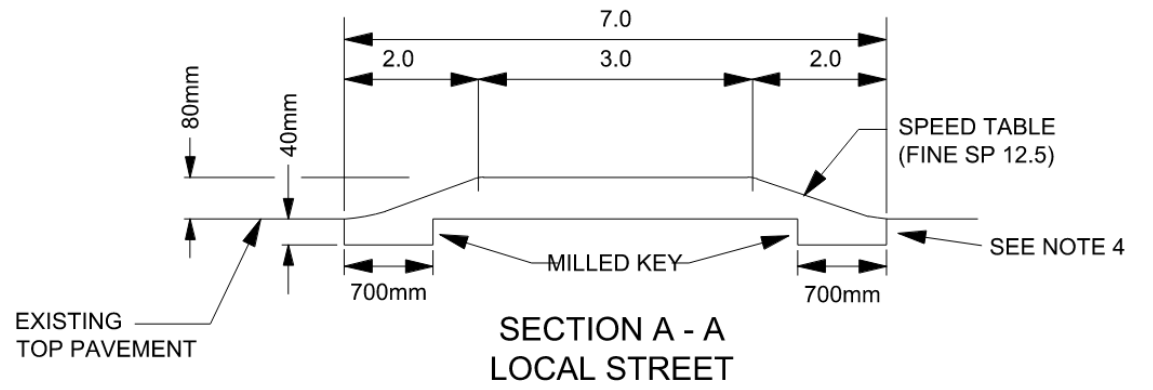


Vertical Deflection Measures

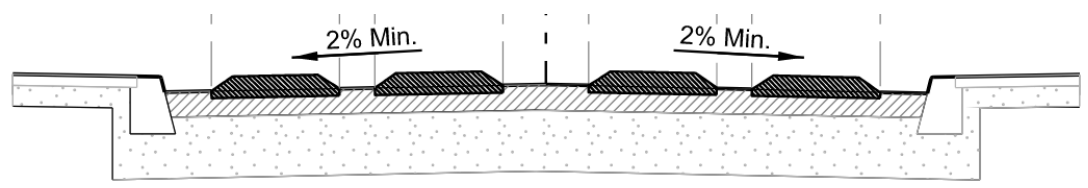
Speed Humps



Speed Tables



Speed Cushions

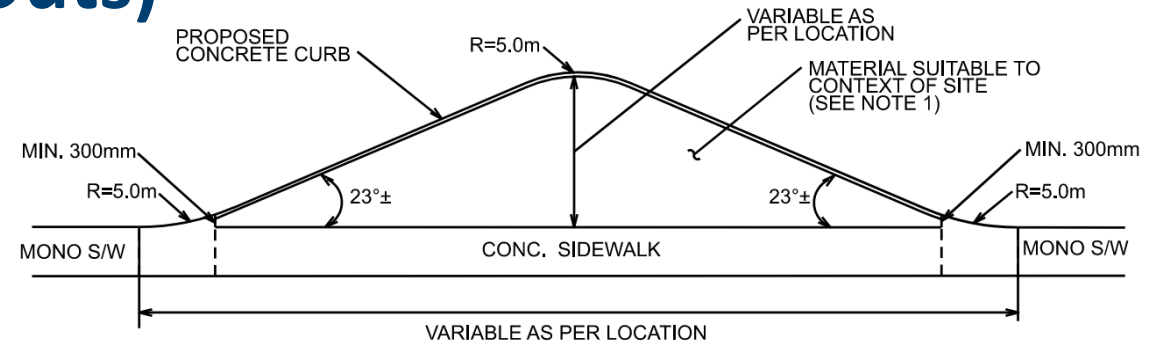


Raised Crosswalks

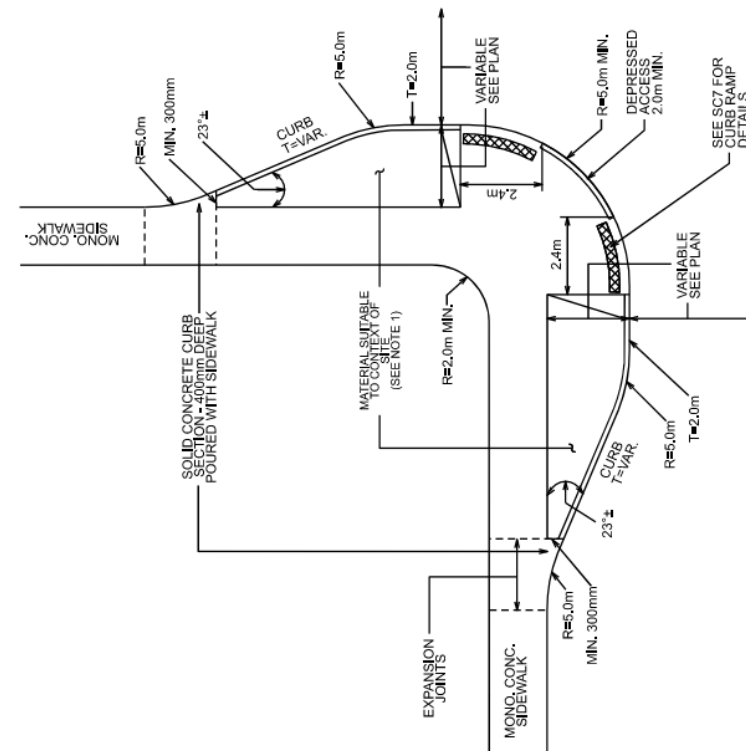


Horizontal Deflection Strategies

Curb Extensions (Bulb-Outs)



Pedestrian Refuges



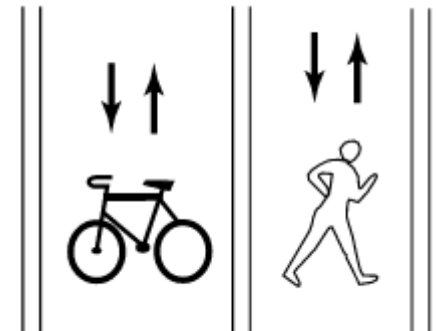
Chicanes

Signage and Marking Measures

Pedestrian and Cyclist Signage



Pavement Markings

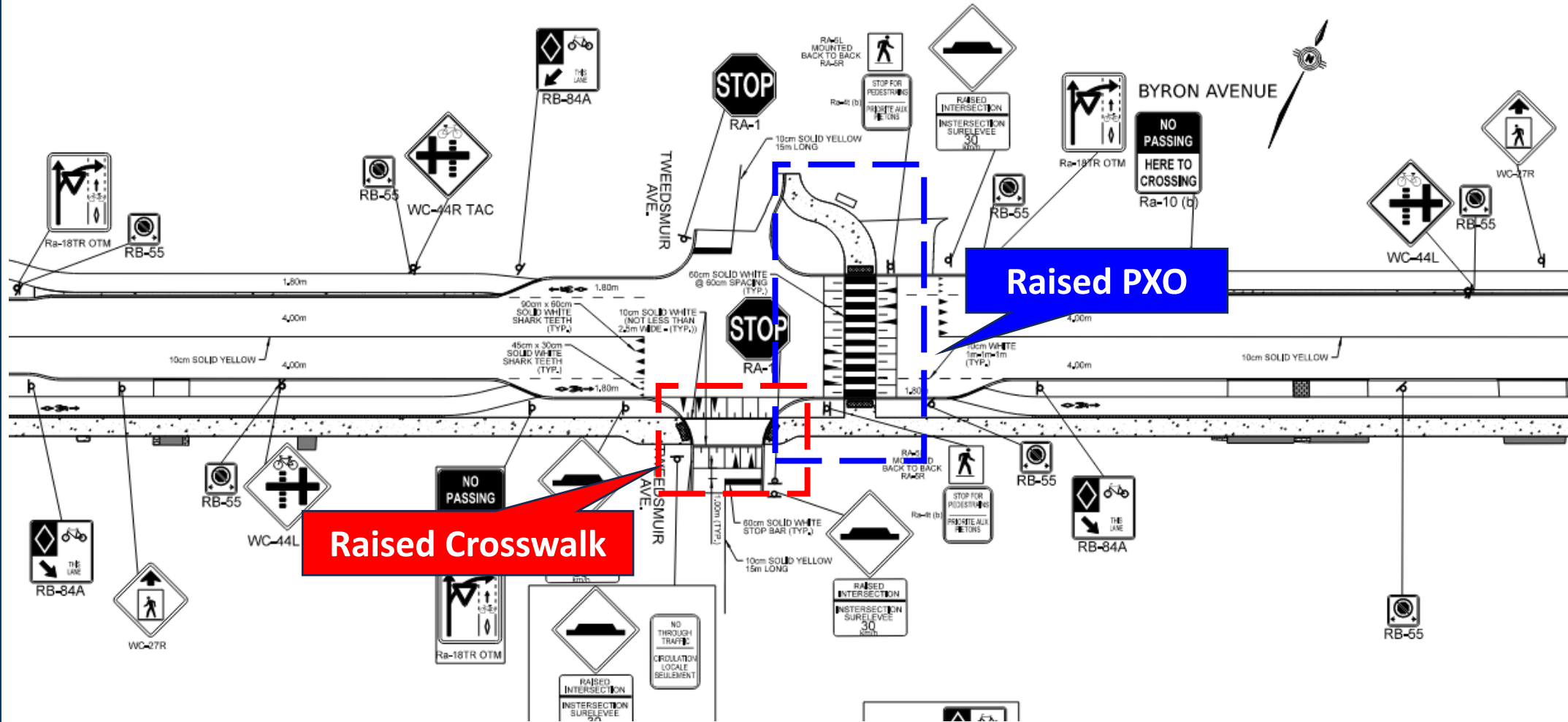


Environmental Design Measures

Green Infrastructure

Street Furniture

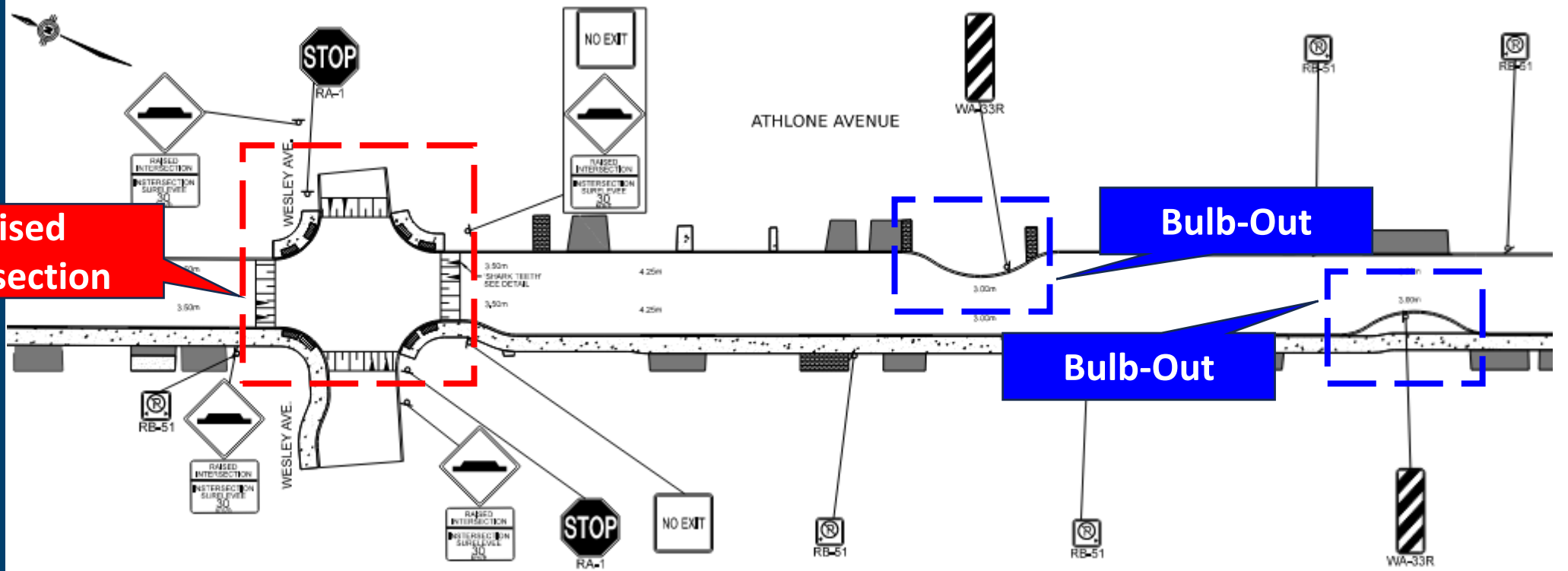


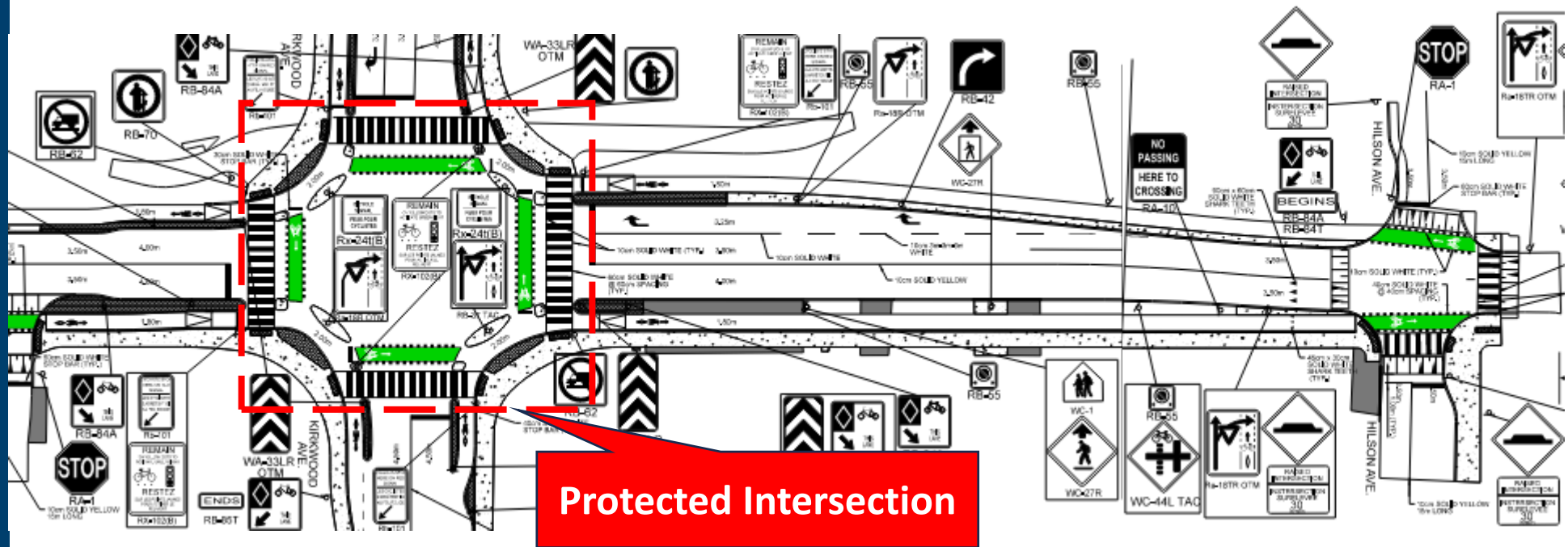






**Raised
Intersection**











Options Review

Small Budget Community Improvement Projects

- Pavement Marking and Signage Improvements
- Site Furniture and/or Green Infrastructure

Medium Budget Infrastructure Renewal Projects

- Paved Shoulders (Painted/Buffer Bike Lanes)
- Pavement Marking and Signage Improvements

Large Budget Infrastructure Upgrade Projects

- Dedicated and Separated Pedestrian and Cycling Facilities
- Protected Intersections
- Vertical Deflection Measures
- Horizontal Deflection Measures



Questions?

Thank you for your time!

Please connect with me on **LinkedIn** if you would like to discuss anything from today's presentation or anything Transportation related!