

Multimodal Corridor Safety Study – NE 131st Way/90th Avenue NE

CITY OF KIRKLAND TRANSPORTATION COMMISSION

JULY 28, 2021



Study Area



Study Scope

1. Data review and site assessment
2. Prepared Preliminary Findings and Improvement Considerations Memo
3. Developed preliminary cross sections for near-term solutions and long-term planning improvements options
4. Transportation Commission presentation (December 2, 2020)
5. Conducted virtual public meeting (December 3, 2020)
6. Prepared draft and final technical memorandum

Two Concept Alternatives

Near-Term Solutions Improvement

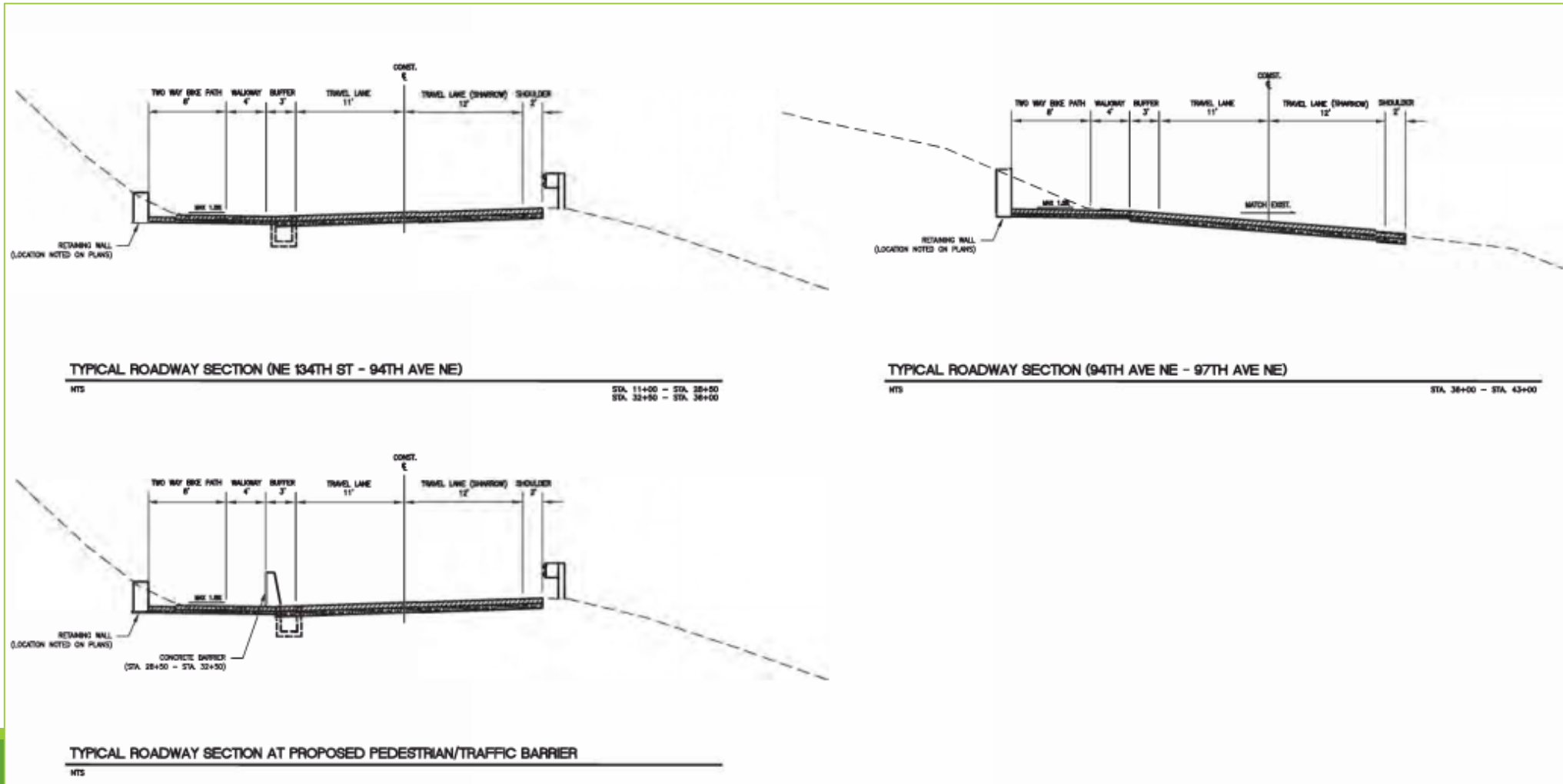
Shared-use facility on the uphill travel lane side. Because the schedule for any long-term planning improvements is undetermined, the width of the facility should provide for safe two-way bicycle traffic and an adjacent pedestrian path, along with planned buffer/barriers separation from vehicle traffic.

Additionally, the downhill travel lane would include “sharrow” pavement markings indicating the roadway lane is used by cyclists.

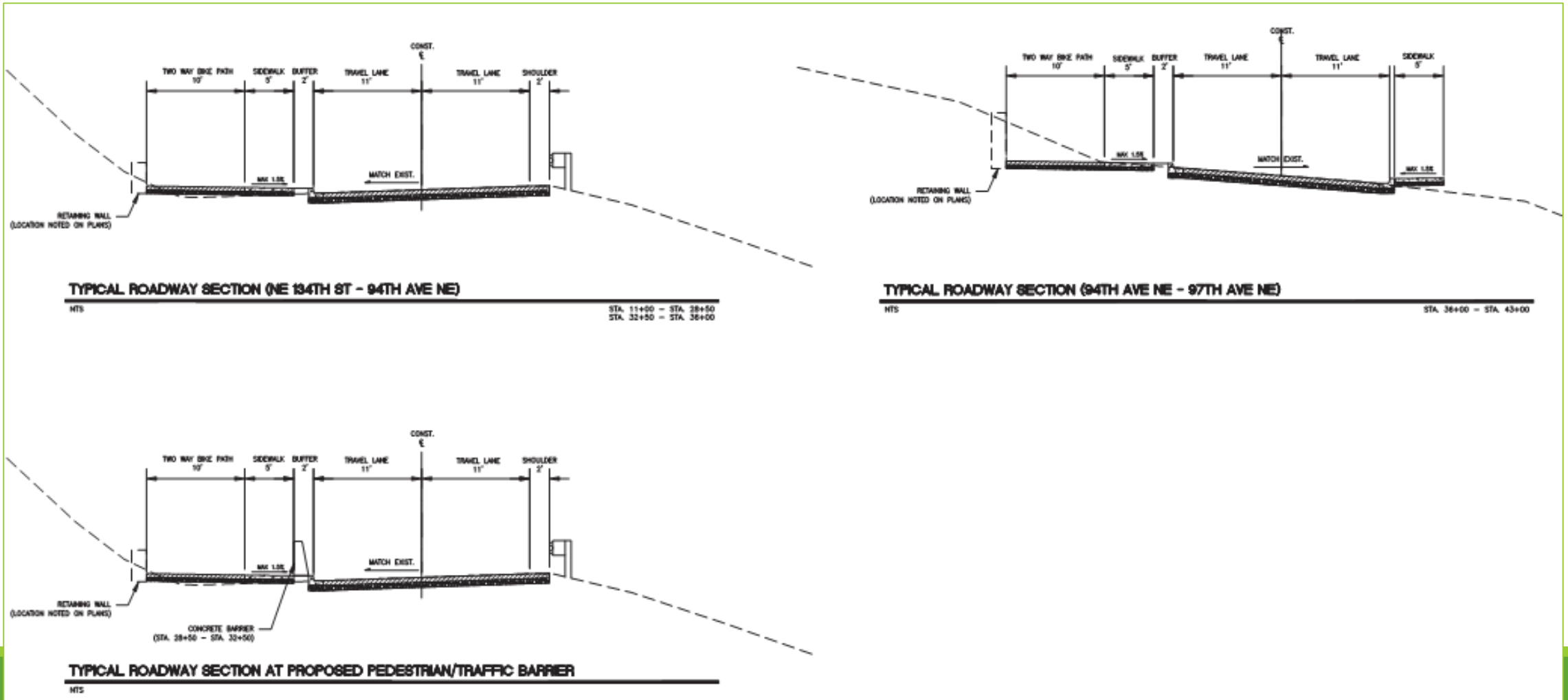
Long-Term Planning Improvement

Maintain the two-way bike path and adjacent separate pedestrian path concept on the uphill travel lane side. Curbs, gutters, and paving materials consistent with being a final facility integrated into other roadway improvements. Maintain provisions for buffer/barriers separation from vehicle traffic. No “sharrow” lane designations. No sidewalk on the downhill travel lane side. Provide curb, gutter, and sidewalk on the downhill travel lane side between 94th Avenue NE and 97th Avenue along with pedestrian activated crossing of the corridor at 94th Avenue, as indicated in the SRTS Plan.

Typical Sections – Near-Term Concept



Typical Sections – Long-Term Concept



Summary of Concept Alternatives

Concept	Bicycle Path	Pedestrian Path	Buffer-Zone	Vehicle Travel Lanes	Roadway Shoulder (Right-Side)
Near-Term Solutions Improvements	8'	4'	3'	11' – (uphill) 12' – (downhill)	2'
Long-Term Planning Improvements	10'	5'	2'*	2 – 11' lanes	2'**

* Assumes provided behind a formal raised curb and gutter.

** Between 94th Avenue NE and 97th Avenue NE shoulder replaced with curb, gutter, and 5-foot sidewalk.

Cost Estimates (2020 dollars)

- Near-Term Solutions Improvements – \$3,220,000
- Long-Term Planning Improvements – \$7,920,000 (assumes short-term improvements previously constructed)

NE 131st Way/90th Ave NE CIP Project

Scope – Replaces damaged and adds additional extruded curb, repairs damaged sections of guardrail, assesses speed along the corridor, modifies pavement markings and installs street lighting at intersections for additional safety.

Schedule

- Currently Securing funds
- Design Consultant Selected

Budget – Total Project Cost = \$1,154,000

- \$639,000 Local Funds
- \$515,000 State Funds (Commerce)

Grants

- Applying for additional grant funding from Transportation Improvement Board (TIB)

Questions

