

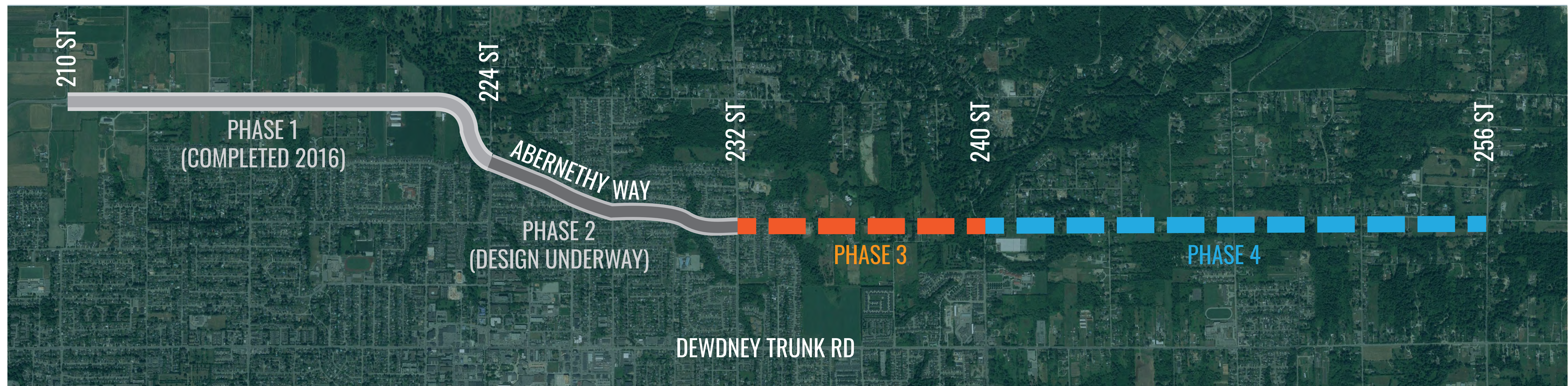
ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

Project Background

- Abernethy Way is a vital east-west transportation corridor
- Provides access to the region via Golden Ears Bridge and Lougheed Highway
- Part of TransLink's Major Road Network (MRN)
- Abernethy Way Extension is expected to be cost-shared with federal, provincial, regional, and municipal funding

2014 Maple Ridge Strategic Transportation Plan (STP) recommended phased road upgrade and extension of Abernethy Way:

- ▶ Phase 1 (210 St to 224 St) – not in study
- ▶ Phase 2 (224 St to 232 St) – not in study
- ▶ **Phase 3 (232 St to 240 St) – route to be determined**
- ▶ **Phase 4 (240 St to 256 St) – route to be determined**



ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

Objectives

PROJECT OBJECTIVES

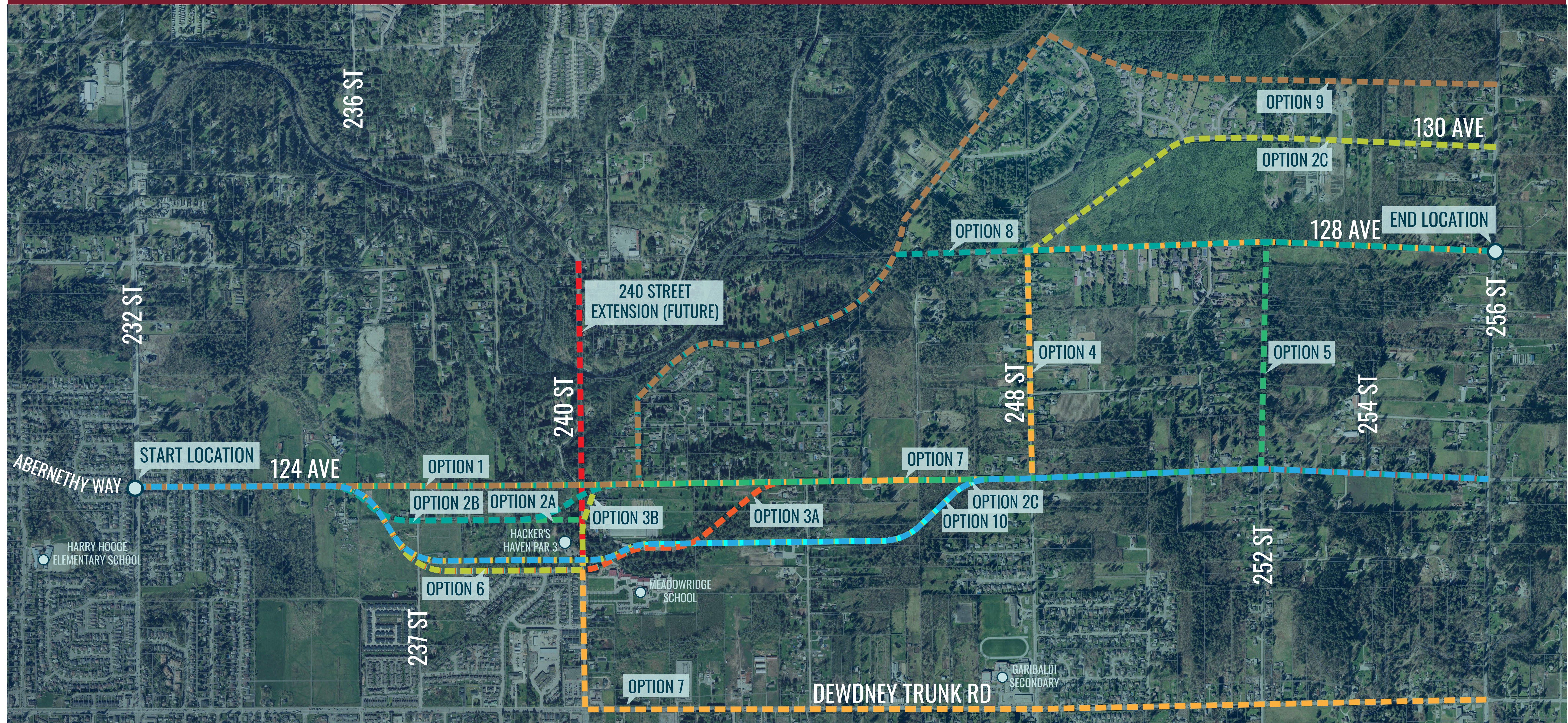
- Extend Abernethy Way from 232 Street to 256 Street to provide improved access to the industrial and employment lands in north east Maple Ridge, as per the City's Official Community Plan (OCP) and the Strategic Transportation Plan (STP)
- Extend 240 Street north to access the Silver Valley area
- Improve both local and regional traffic flow (which includes access to the Golden Ears Park)
- Provide redundancy in the road network and an alternative emergency route
- Evaluate route options
- Recommend a preferred route for Abernethy Extension (from 232 to 256 Street)

OPEN HOUSE OBJECTIVES

- Receive public opinions and feedback on the three suggested route options
- Determine if there are any concerns or improvements to the considered routes

ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

Road Alignment Options 13 Different Options Considered, 3 Shortlisted for Further Evaluation



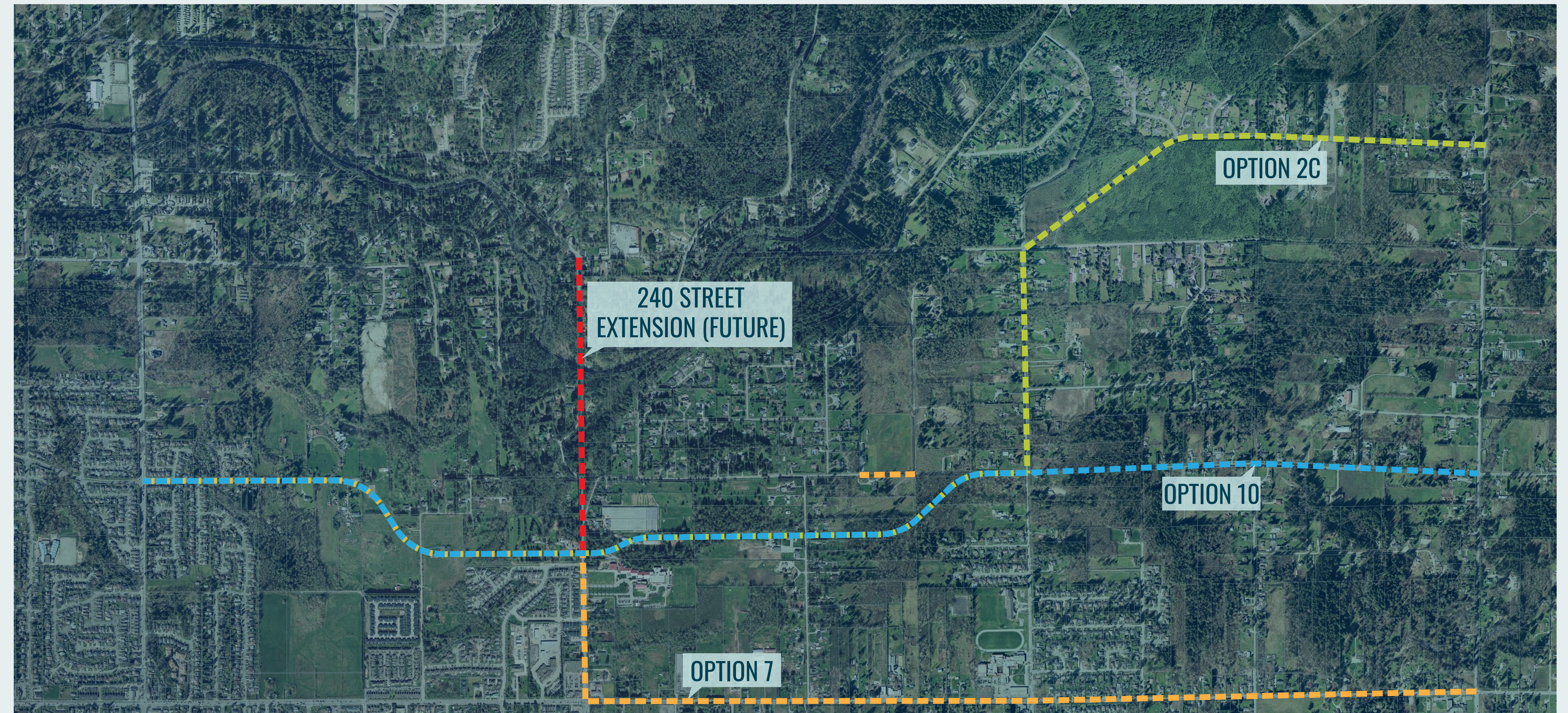
(Note: Alignments shown are illustrative only.)

ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

Shortlisted Criteria 13 Different Options Considered, 3 Shortlisted for Further Evaluation

The 13 options were refined to 3 based on the following:

- Number of significant river and creek crossing required
- Suitable and safe road geometry
- Terrain suitability
- Cost effectiveness
- Community impacts



ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

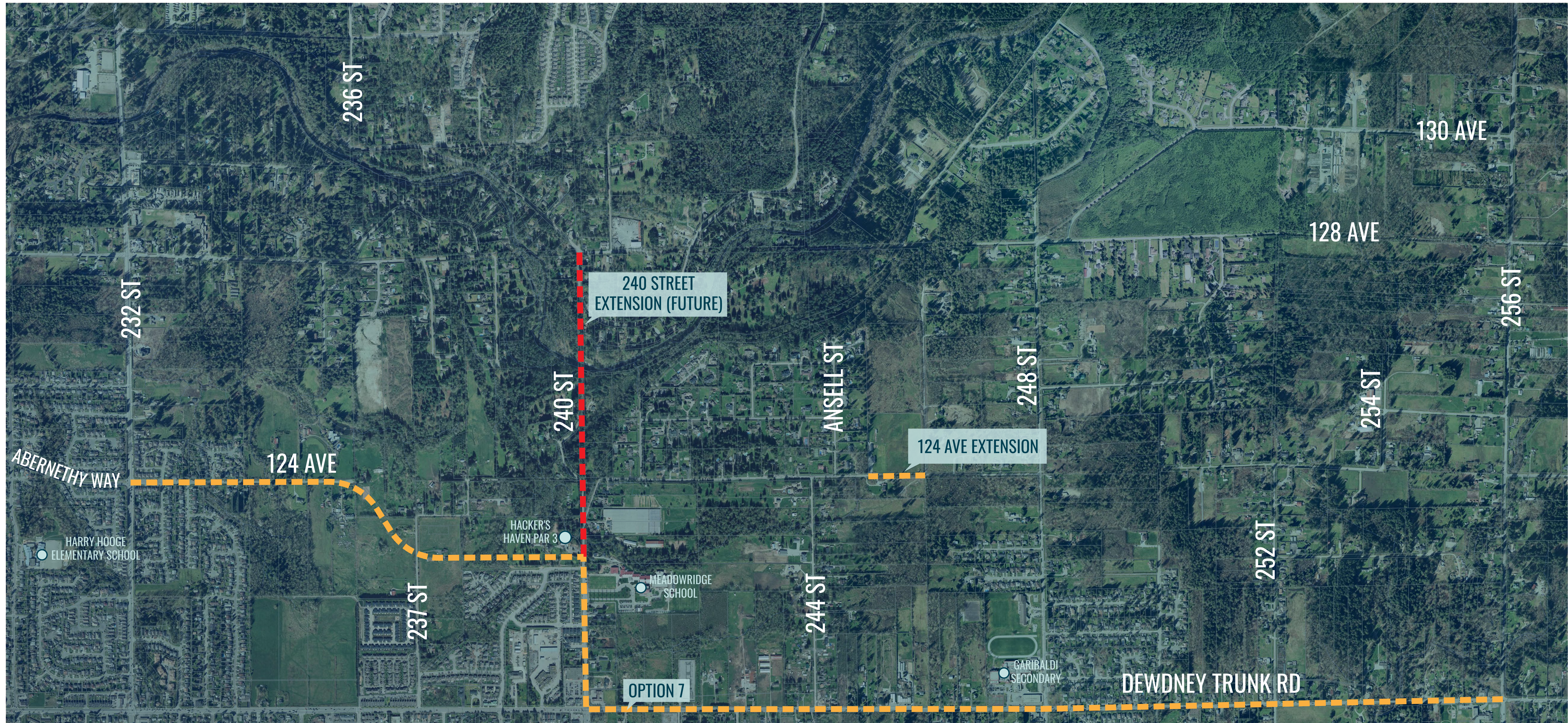
Shortlisted Alignment 1 (Option 2C)



(Note: Alignments shown are illustrative only.)

ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

Shortlisted Alignment 2 (Option 7)



(Note: Alignments shown are illustrative only.)

ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

Shortlisted Alignment 3 (Option 10)



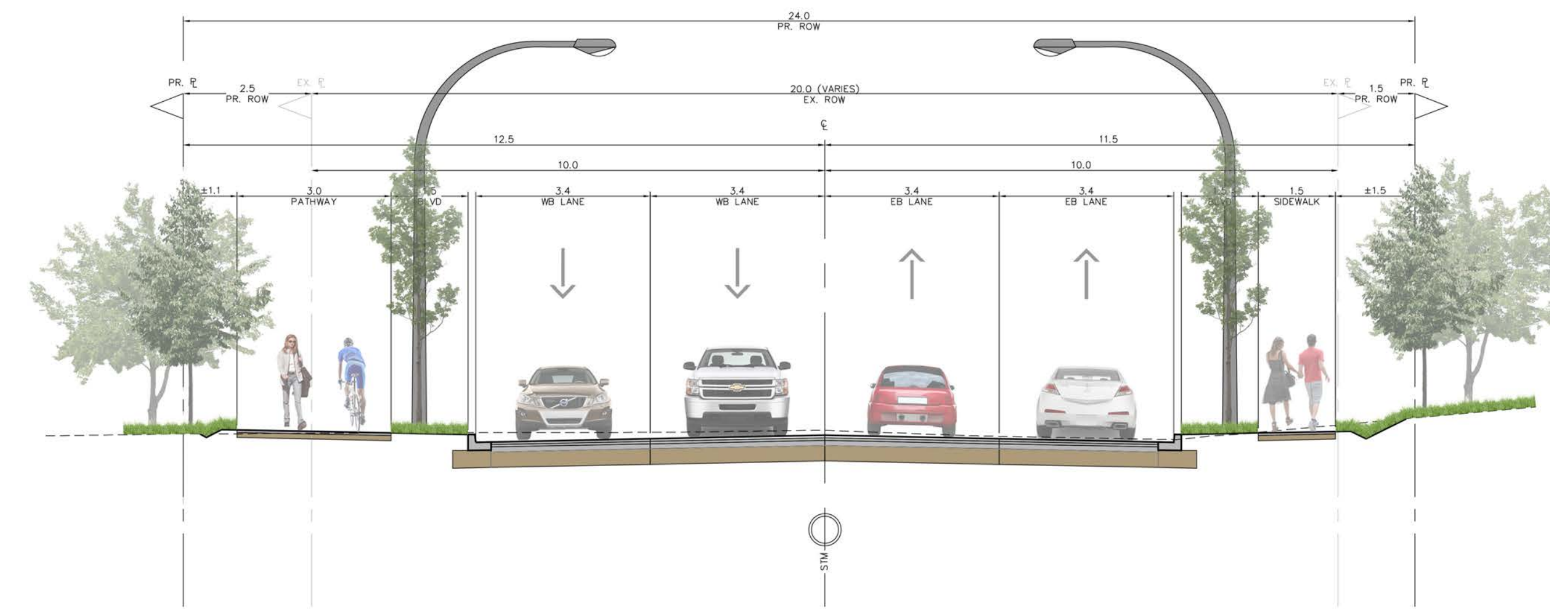
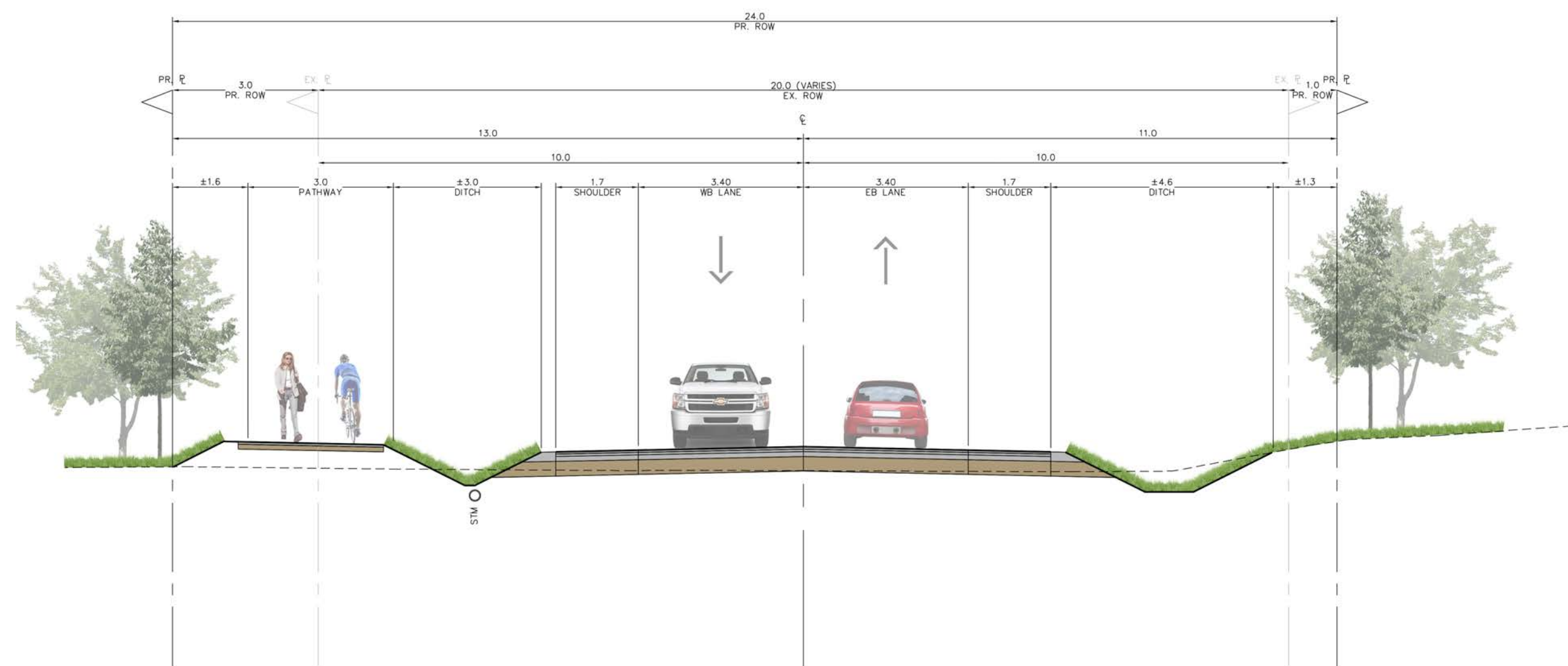
(Note: Alignments shown are illustrative only.)

ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

Proposed Street Configurations

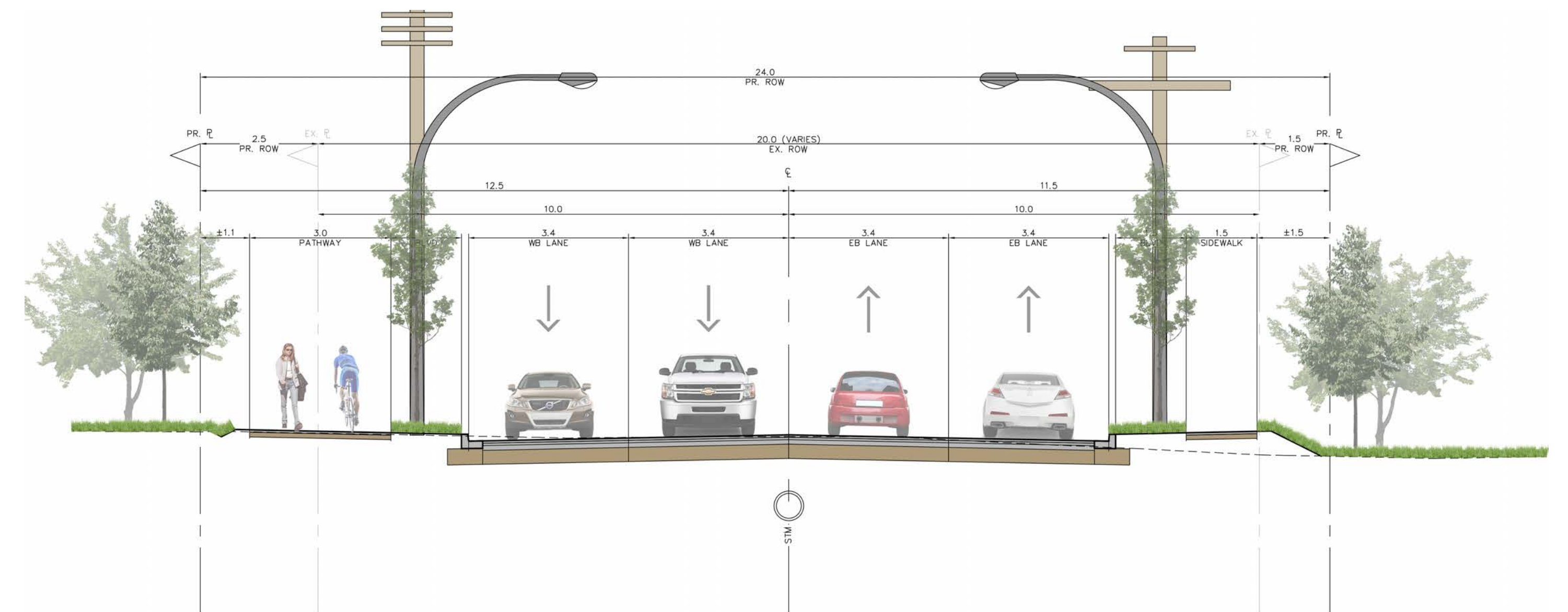
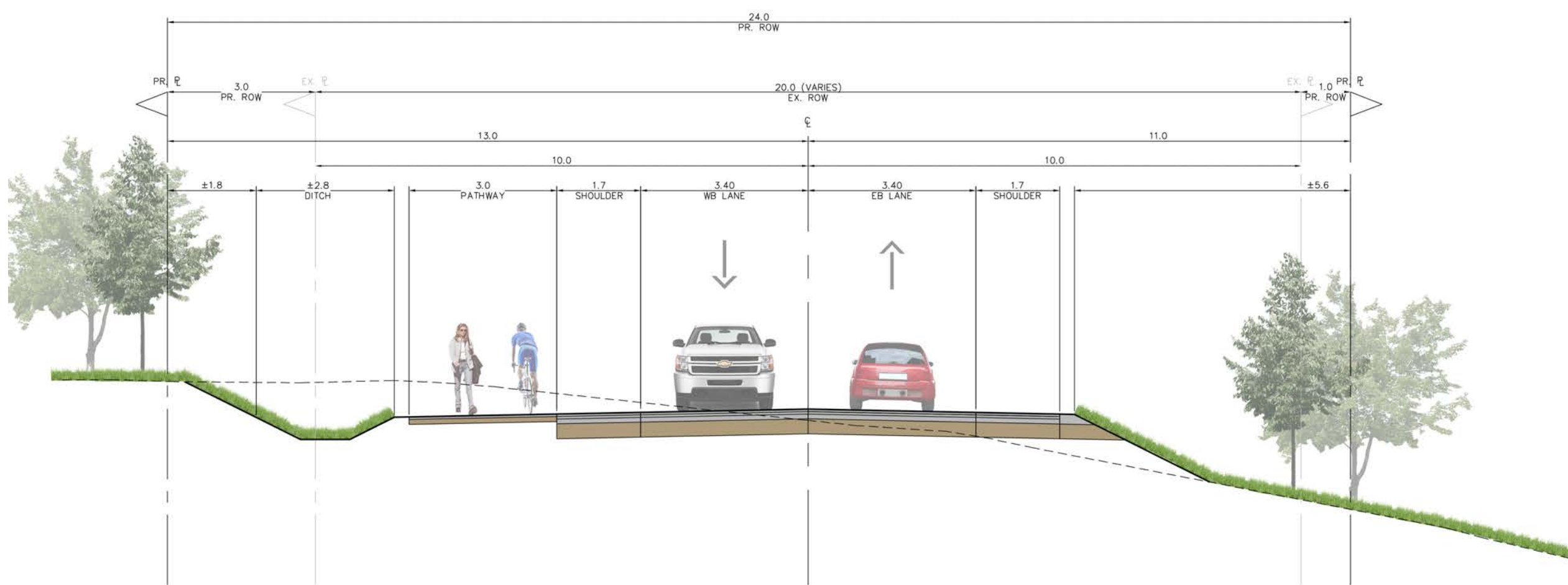
232 STREET TO 240 STREET - SHORT TERM (TO 2035)

232 STREET TO 240 STREET - LONG TERM (AFTER 2035)



240 STREET TO 256 STREET

DEWDNEY TRUNK ROAD (240 STREET TO 252 STREET)



ABERNETHY WAY EXTENSION STUDY 232 STREET TO 256 STREET

Evaluation of 3 Shortlisted Options

ASSESSMENTS

- Number of bridges required (river and creek crossings)
- Property impacts
- Environmental assessment
- Geotechnical (soils) assessment
- Archaeological assessment
- Road capacity requirement (number of travel lanes)
- Cost estimate

MULTIPLE ACCOUNT CRITERIA

- Operational performance
 - Property impact
 - Environmental impact
 - Archaeological impact
 - Social/community impact
- Utilities relocations
 - Cost effectiveness
 - Constructions impacts
 - Risk
 - User benefits

MULTIPLE ACCOUNT EVALUATION

- Social / community impact scores will include feedback from this public consultation process prior to finalizing
- Options range from \$62M to \$65M
- Project would be expected to be funded through Provincial, Regional (TransLink), City’s Capital Plan, and Federal Grant Opportunities
- Cost estimate:

		Approximate Cost		
Options	Description	Phase 3	Phase 4	Total
2C	Upper Route: Abernethy Way, 248 Street, 130 Avenue	\$24.3M	\$40.1M	\$64.4M
7	Lower Route: Abernethy Way, 248 Street, Dewdney Trunk Road	\$24.3M	\$36.3M	\$60.6M
10	Middle Route: Abernethy Way, 124 Avenue	\$24.3M	\$37.7M	\$62.0M

Conclusion and Next Steps

CONCLUSION

The study has determined that Abernethy Way Extension from 232 Street to 256 Street is technically feasible.

Three possible route options range in cost from \$62M to \$65M to construct.

NEXT STEPS

- Upon completion of multiple account evaluation, seek council endorsement of preferred route
 - Seek funding partnerships and develop a financial plan for the project
 - Develop program for conceptual design to facilitate property acquisition along the corridor
 - Future public open house to discuss preliminary design of the project
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WE WANT YOUR FEEDBACK

Tell us what route you prefer and why. Please provide comments on the provided forms.