

ALPHA STREET RECONSTRUCTION MUNICIPAL CLASS EA

Discretionary Public Meeting &
Presentation to Operations Committee
CITY OF OWEN SOUND

March 16, 2023



AGENDA

- Introduction
- Overview of Environmental Assessment Process
- Background Studies
- Initial Cross Sections – Alternative Elements
- Initial Assessment
- Preliminary Recommendations
- Next Steps

INTRODUCTION

Two lane urban cross
section

Sidewalk: East side only between
6th Ave W and 7th Ave 'A' West

Hydro Line

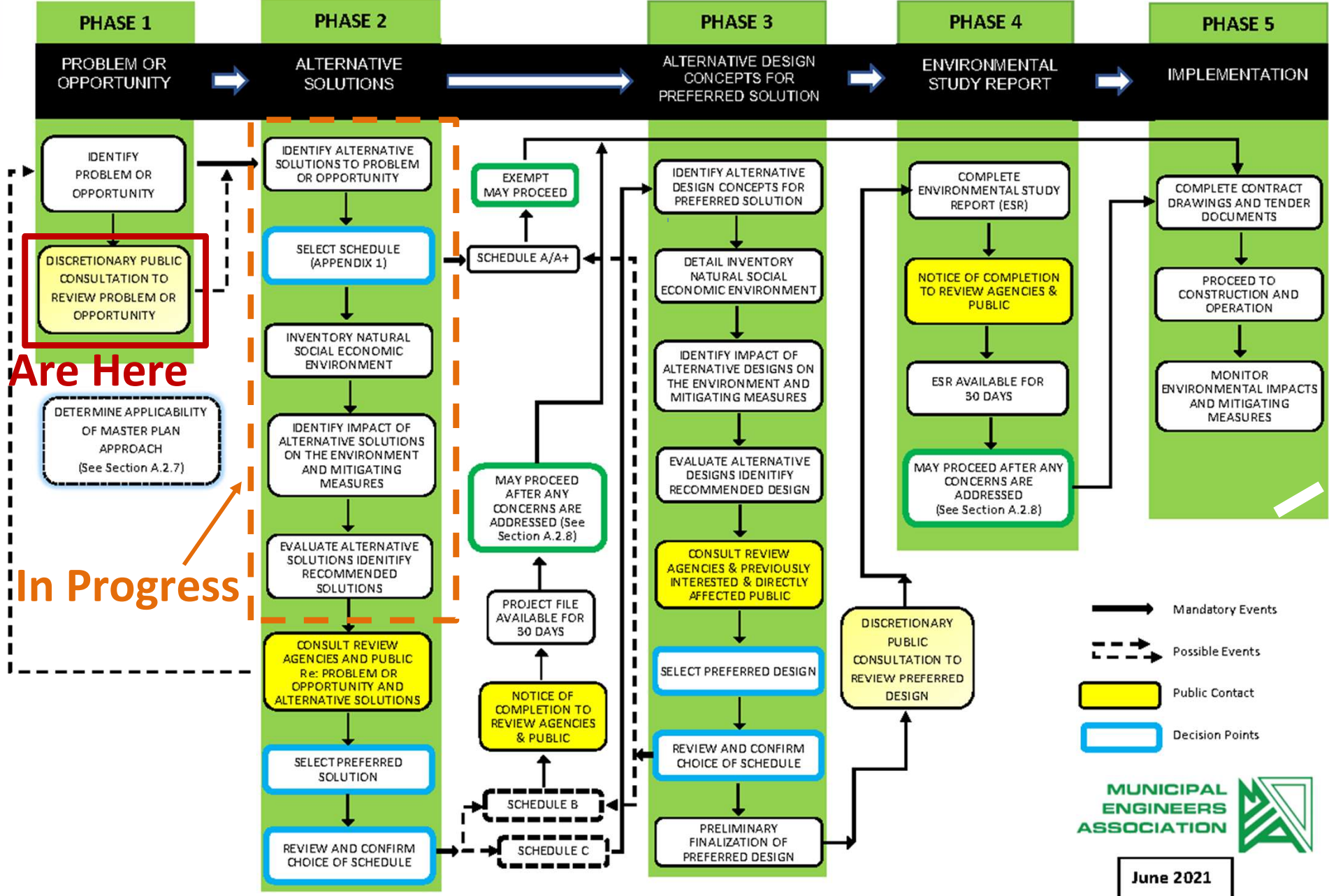
Goals:

1. To improve the road surface and underground infrastructure.
2. To support the City's active transportation initiatives.

Overview of EA Process

We Are Here

In Progress



BACKGROUND STUDIES

BACKGROUND INFORMATION/STUDY	GENERAL FINDINGS
City of Owen Sound Official Plan & Traffic Management Plan	<ul style="list-style-type: none"> Alpha Street is an intended bike route
Topographic Surveys & Detailed Plans	<ul style="list-style-type: none"> Steep slopes Hydro corridor along westerly side
Archaeological Assessment: Stage 1 Cultural Heritage: Existing Conditions	<ul style="list-style-type: none"> Areas of archaeological potential identified (Stage 2AA may be required). Some potential cultural heritage resources.
Natural Heritage Assessment	<ul style="list-style-type: none"> Limited impacts in existing right-of-way.
Geotechnical Investigations & Hydrogeological Assessment	<ul style="list-style-type: none"> Type 1 and 2 slopes Groundwater considerations
Transportation Assessment (Alpha Street)	<ul style="list-style-type: none"> Cars, trucks, transit, pedestrians and cyclists
Construction Cost Estimates	<ul style="list-style-type: none"> Class D (i.e., Preliminary Estimates)

ROAD CROSS-SECTION FEATURES & ALTERNATIVES

Features: Potential need based on additional review

Feature 1 Add a truck climbing lane

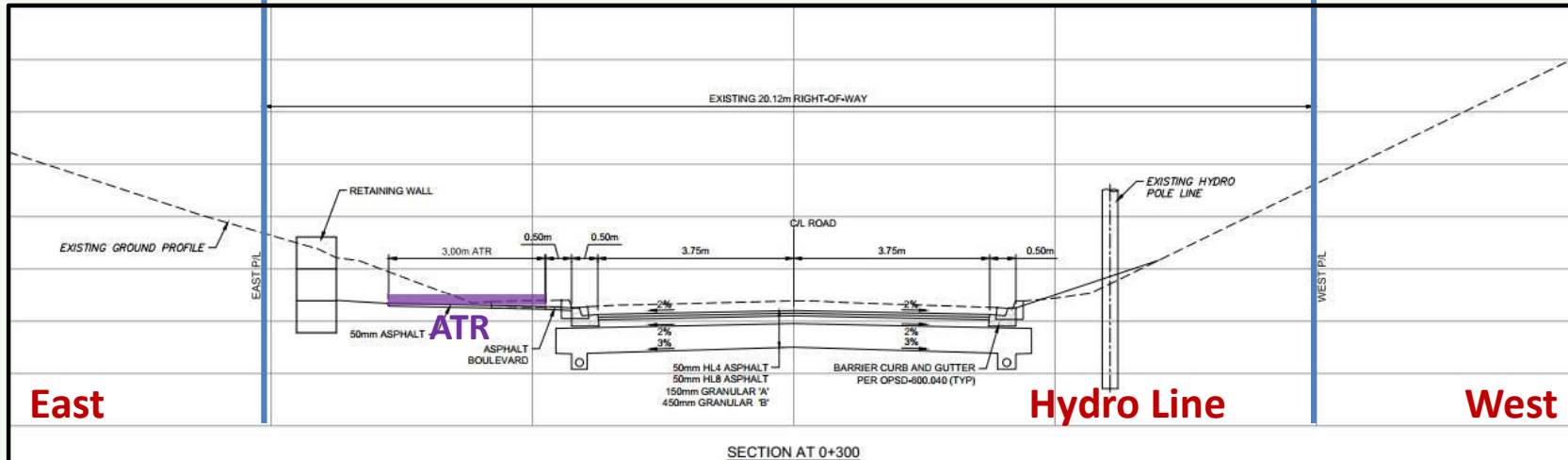
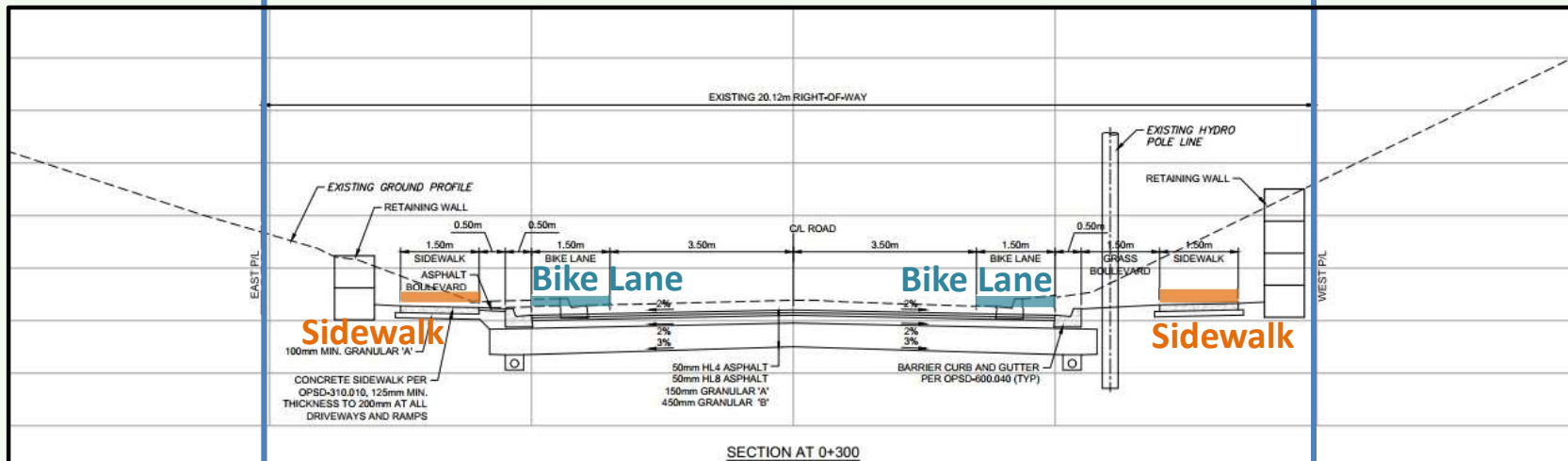
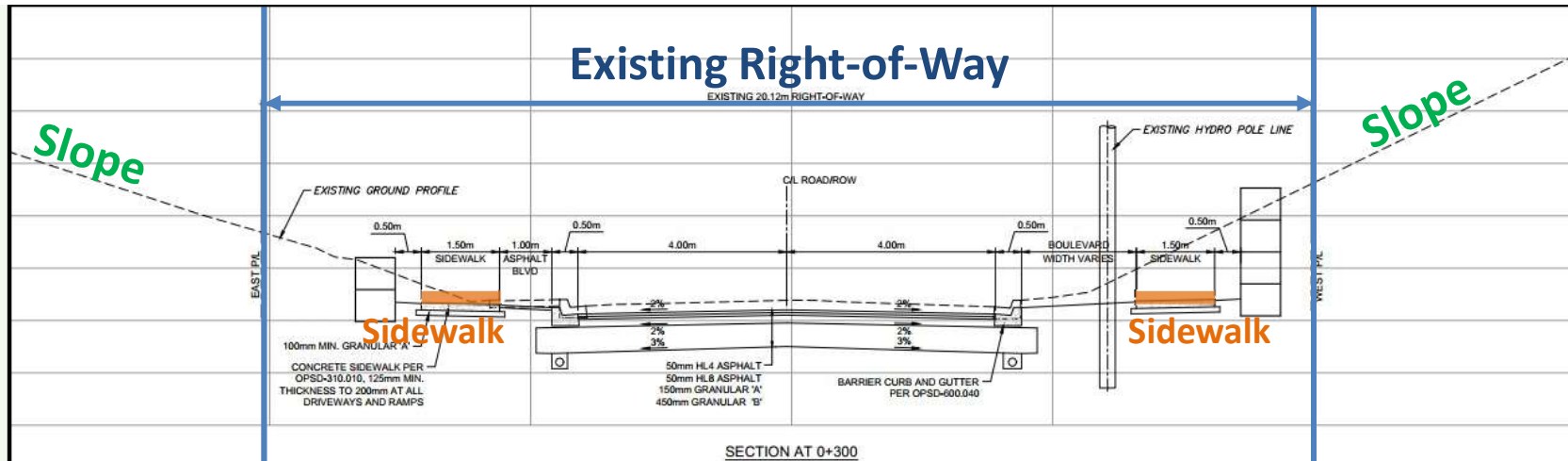
Feature 2 Add a sidewalk on the westerly side of hill

Alternatives: Based on project goals

Do Nothing Re-build same as existing

Alternative 1 Add bike lanes: On the road

Alternative 2 Add an active transportation lane



Features: Preliminary Assessment



Criteria	FEATURE 1: Truck Lane	FEATURE 2: Sidewalk (West)
Active Transportation Goal	Not achieved: No bike Route	Not achieved: No bike Route
Impacts Beyond ROW	Significant widening Property encroachment	Widening Property encroachment
Archaeological Potential & Cultural Heritage Resources	Encroaches into areas not previously disturbed (Stage 2AA) Cultural Heritage: Subject to review at detailed design stage	
Natural Heritage	Woodlands and habitat	Subject to review
Topographic Surveys	Significant cut into slope	Significant impacts: west slope
Geotechnical Investigation	Not recommended	Not technically recommended
Transportation Assessment	Not technically required	Generally recommended
Preliminary Design	Hydro corridor re-location	Hydro corridor can remain
Construction Cost Estimates	\$\$\$\$	\$\$\$
Recommendation (Prelim)	Not Recommended	Not Recommended

Alternatives: Preliminary Assessment




Criteria	ALTERNATIVE 1: Bike Lanes	ALTERNATIVE 2: ATR
Active Transportation Goal	Achieved	Achieved
Impacts Beyond ROW	Beyond ROW (13.5m wide) Property encroachment	Limited to ROW (12.5m wide)
Archaeological Potential & Cultural Heritage Resources	Moderate encroachment into areas previously not disturbed	Least encroachment into areas previously not disturbed
Natural Heritage	Subject to review	Subject to review (least impact)
Topographic Surveys	Significant cut into slope	Least cut into slope
Geotechnical Investigation	Less favourable	More favourable
Transportation Assessment	Generally recommended	Generally recommended
Preliminary Design	Hydro corridor can remain	Hydro corridor can remain
Construction Cost Estimates	\$\$\$	\$\$ (Lowest Cost)
Recommendation (Prelim)		Favoured

INITIAL RECOMMENDATIONS

Features: Potential need based on additional review

-  Feature 1 Add a truck climbing lane
-  Feature 2 Add a sidewalk on the westerly side

Alternatives: Based on project goals

-  Do Nothing Re-build same as existing
-  Alternative 1 Add bike lanes: On the road
-  **Alternative 2 Add an active transportation lane**

These recommendations are subject to further input from the Committee and the public

NEXT STEPS

1. Receive and address public comments.
2. Select EA Schedule based on input received (Sch A+ or Sch B/C)
3. Complete EA Process, as appropriate
4. Advance detailed design phase (Summer 2023)
5. Present design to public (Fall 2023)
6. Complete design phase (Fall 2023)
7. Tender Phase 1 Construction (Winter 2024)
8. Construct Phase 1 (Spring & Summer 2024)
9. Tender Phase 2 Construction (Winter 2025)
10. Construct Phase 2 (Spring & Summer 2025)