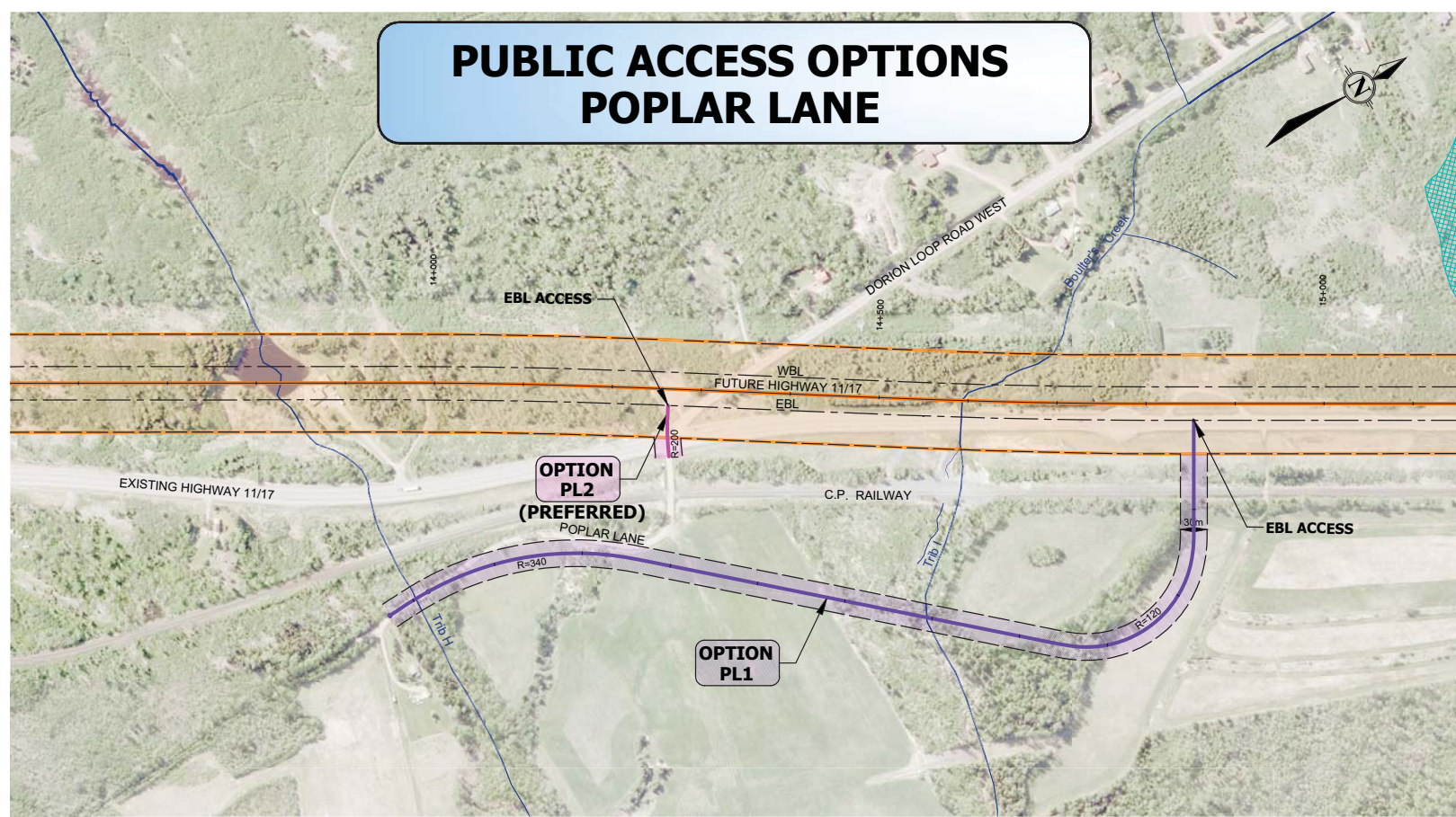


PUBLIC ACCESS OPTIONS POPLAR LANE



Evaluation of Poplar Lane Options			
Factor / Indicator	Option PL1 (1997 EA Approved Concept)	Option PL2	Comments
Natural Environment <ul style="list-style-type: none"> Extent of Natural Habitat Fragmentation Impacts to Natural Features Extent of Vegetation Community Removal Potential Impacts to Wildlife and Wildlife Habitat Impact to Fish and Aquatic Resources 			<ul style="list-style-type: none"> PL2 results in nonnatural habitat fragmentation or impacts to significant natural features, whereas PL1 fragments a wetland area. PL2 has limited vegetation removal compared to PL1. PL2 has a larger footprint impact to wildlife or wildlife habitat compared to PL1. PL2 requires a crossing of a roadside ditch along Dorion Loop Road West, whereas PL1 will require multiple crossings of watercourses (including Tributary 1) potentially supporting fish.
Category Summary	• PL2 is preferred from a natural environment perspective.		
Socio-Economic and Cultural Environment <ul style="list-style-type: none"> Residences and Business Displacement Property Requirements Noise Archaeological Resources 			<ul style="list-style-type: none"> Neither option displaces residences or businesses. PL2 requires additional municipal property whereas PL1 will require property from two (2) private owners. PL1 requires a new at-grade rail crossing. PL2 does not impact additional noise / air quality sensitive receptors. Both options may require further archaeological assessments.
Category Summary	• PL2 is preferred from a socio-economic and cultural perspective.		
Transportation / Engineering <ul style="list-style-type: none"> Highway Geometrics Intersection Spacing Requirements (3 - 8kn) Complexity and Difficulty of Construction Geotechnical Suitability Impacts to Utilities 			<ul style="list-style-type: none"> Existing Poplar Lane is retained with PL2. PL1 in conjunction with DL1 provides full access to Highway 11/17 and meets intersection spacing requirements; and right in/right out only with eastbound lanes in conjunction with DL2 and DL3. PL2 in conjunction with DL1 and DL2 provides right in/right out only access to eastbound lanes; and full access to Highway 11/17 in conjunction with DL3 and meets intersection spacing requirements. No known soil concerns. PL1 may impact hydro poles.
Category Summary	• PL2 is preferred from a transportation / engineering perspective.		
Cost <ul style="list-style-type: none"> Cost including Construction, Utility Relocation and Property Requirement 			<ul style="list-style-type: none"> Alternative PL1 is anticipated to result in a higher cost than PL2 for construction, utility relocation and property requirement.
Category Summary	• PL2 is preferred from a cost perspective.		
EVALUATION SUMMARY		 REFERRED	Overall, Option PL2 is preferred for the following reasons: <ul style="list-style-type: none"> No impact to Tributary 1; Footprint impact limited to previously disturbed area; Least property impacts; Shorter connection to Highway 11/17; Uses existing at-grade railway crossing; No impact to existing utilities; and Lower construction cost.

Legend:

