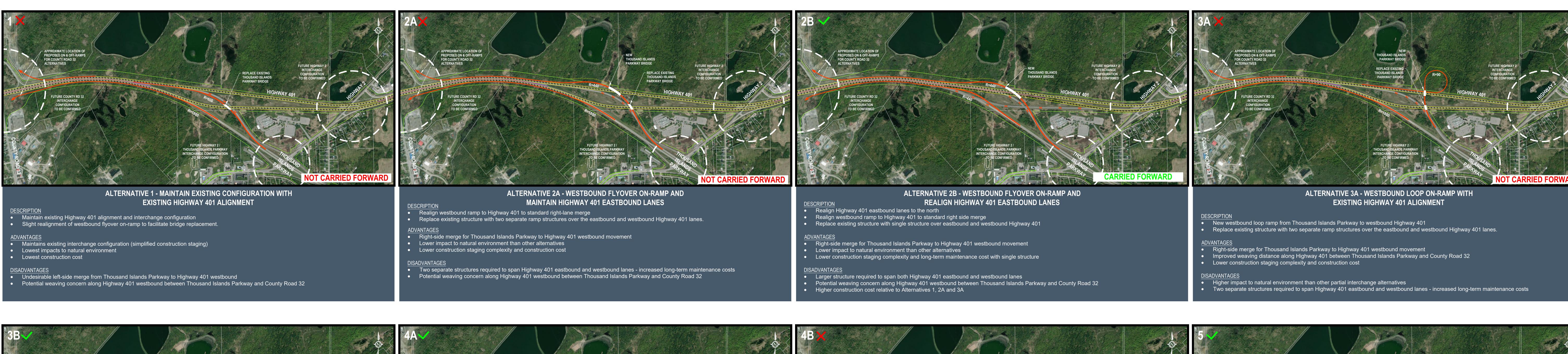
THOUSAND ISLANDS PARKWAY WEST / HIGHWAY 401 INTERCHANGE - LONG LIST ALTERNATIVES





ALTERNATIVE 3B - WESTBOUND LOOP ON-RAMP AND **REALIGN HIGHWAY 401 EASTBOUND LANES**

 Realign Highway 401 eastbound lanes to the north New westbound loop ramp from Thousand Islands Parkway to westbound Highway 401

Replace existing structure with two separate ramp structures over the eastbound and westbound Highway 401 lanes.

Right-side merge for Thousand Islands Parkway to Highway 401 westbound movement • Improved weaving distance along Highway 401 between Thousand Islands Parkway and County Road 32

Lower construction staging complexity and long-term maintenance cost with single structure

DISADVANTAGES

Higher impact to natural environment than other partial interchange alternatives

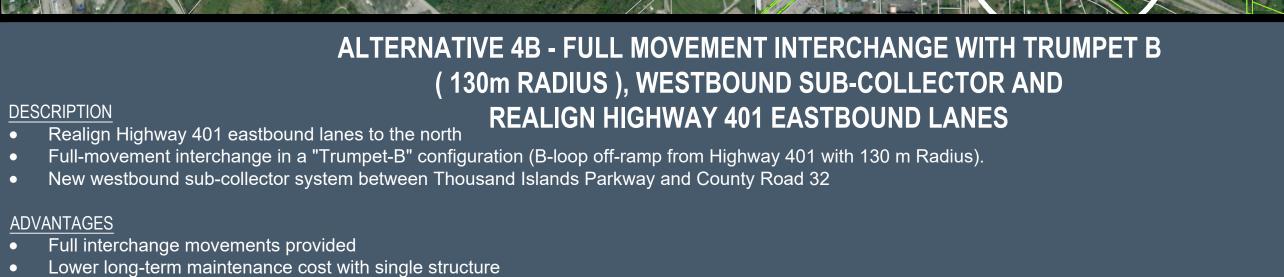
Higher construction cost relative to Alternatives 1, 2A and 3A

• Full-movement interchange with a "Trumpet-B" configuration (B-loop off-ramp from Highway 401 with 90 m Radius) Full interchange movements provided Lower long-term maintenance cost with single structure Lower impacts to natural environment than Alternative 4B (greater than other alternatives) ISADVANTAGES Less desirable B-loop off-ramp meeting minimum design standard only for movement from higher-speed (Highway 401 westbound to Thousand Islands Parkway eastbound) Potential weaving concerns along Highway 401 between Thousand Islands Parkway and County Road 32 More complex construction staging and moderate-high construction cost

ALTERNATIVE 4A - FULL MOVEMENT INTERCHANGE WITH TRUMPET B (90m RADIUS) AND

REALIGN HIGHWAY 401 EASTBOUND LANES

• Realign Highway 401 eastbound lanes to the north



• Sub-collector system may alleviate some weaving concerns along westbound Highway 401 associated with larger loop ramp radius • Less desirable B-loop off-ramp meeting desirable design standard for movement from higher-speed (Highway 401 westbound to Thousand Islands Parkway eastbound) • Potential weaving concern along Highway 401 eastbound between Thousand Islands Parkway and County Road 32

 Slightly greater impacts to natural and cultural environments relative to Alternative 4A Sub-collector system may introduce potential driver confusion with additional signage More complex construction staging and highest construction cost





• Full movement interchange with a "Trumpet-A" interchange configuration (B-loop ramp from Thousand Islands Parkway to Highway 401 westbound).

ADVANTAGES • Directional ramp provided for movement from higher-speed freeway (Highway 401 westbound to Thousand Islands Parkway eastbound)

• Improved weaving distance along Highway 401 between Thousand Islands Parkway and County Road 32 • Lower impacts to natural and cultural environments than other full-movement interchange alternatives (4A and 4B) Lower long-term maintenance cost with single structure

DISADVANTAGES

<u>DESCRIPTION</u>

• Less desirable B-loop ramp provided for Thousand Islands Parkway to Highway 401 westbound More complex construction staging and Moderate-High construction cost relative to other alternatives

EXISTING MTO RIGHT-OF-WAY EXISTING PROPERTY LINES THOUSAND ISLANDS PARKWAY WEST ALTERNATIVE PROPOSED BRIDGE PROPOSED PROPERTY REQUIREMENT **X** REMOVAL