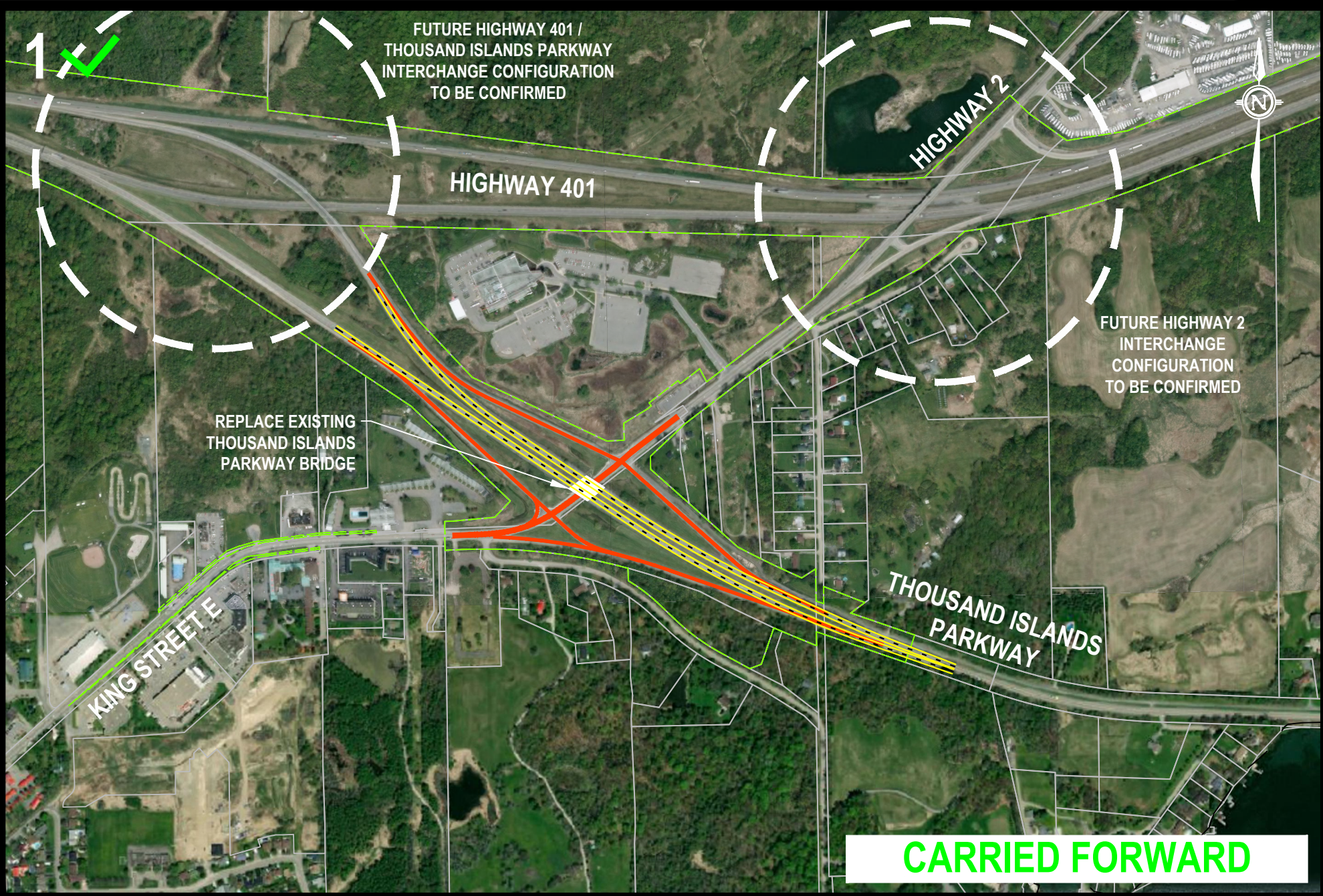


HIGHWAY 2 / THOUSAND ISLANDS PARKWAY INTERCHANGE - LONG LIST ALTERNATIVES



ALTERNATIVE 1 - MAINTAIN EXISTING DIAMOND CONFIGURATION WITH BRIDGE REPLACEMENT

DESCRIPTION:

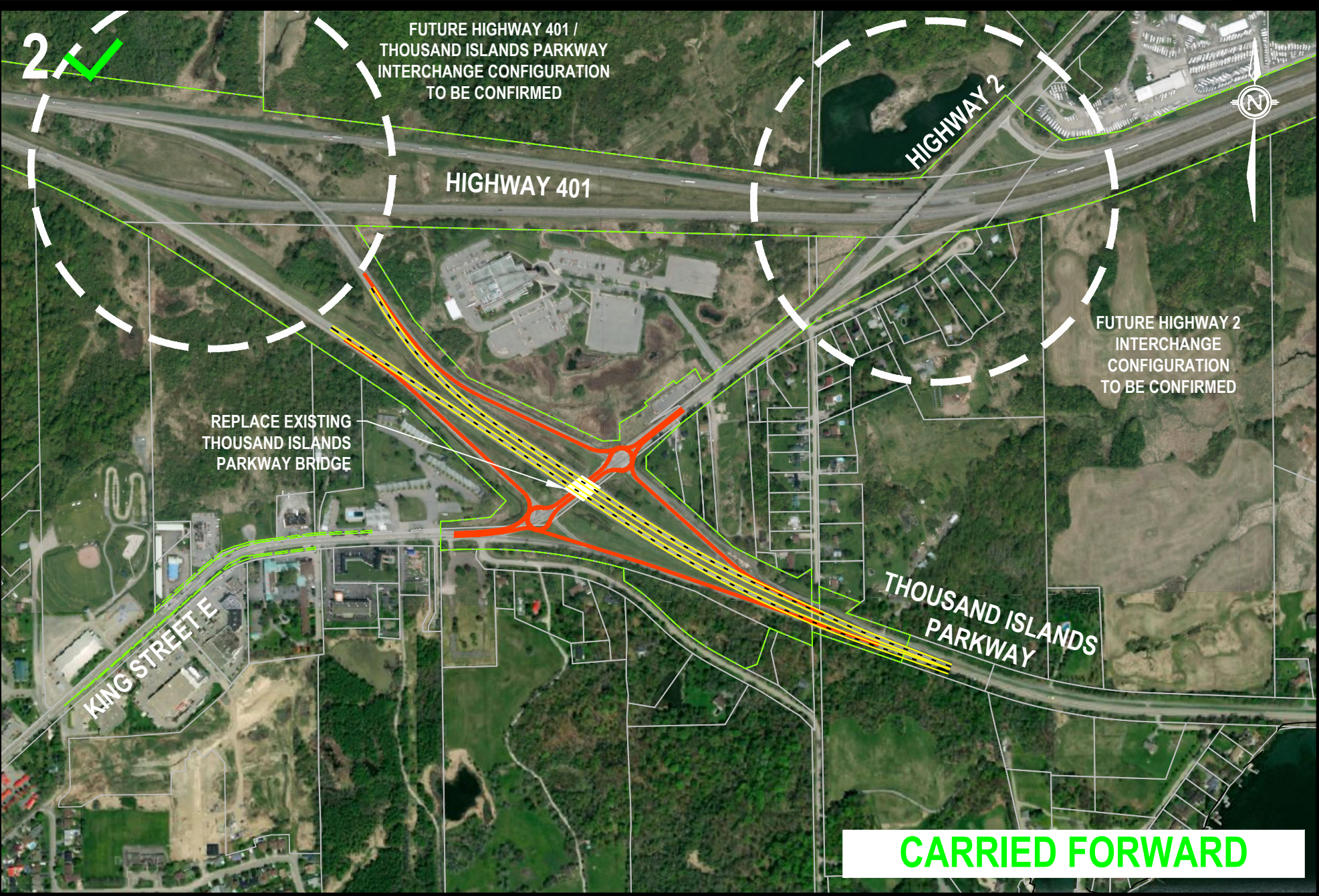
- Maintain existing interchange configuration and replace existing Highway 2 structure.

ADVANTAGES

- No impact to travelers remaining on Thousand Island Parkway
- Lower construction cost and complexity of construction staging

DISADVANTAGES

- Closely spaced signalized intersections maintained along Highway 2, with less desirable left turns required for southbound to eastbound and northbound to westbound movements



ALTERNATIVE 2 - TWO ROUNDABOUTS (DUMBBELL) WITH BRIDGE REPLACEMENT

DESCRIPTION:

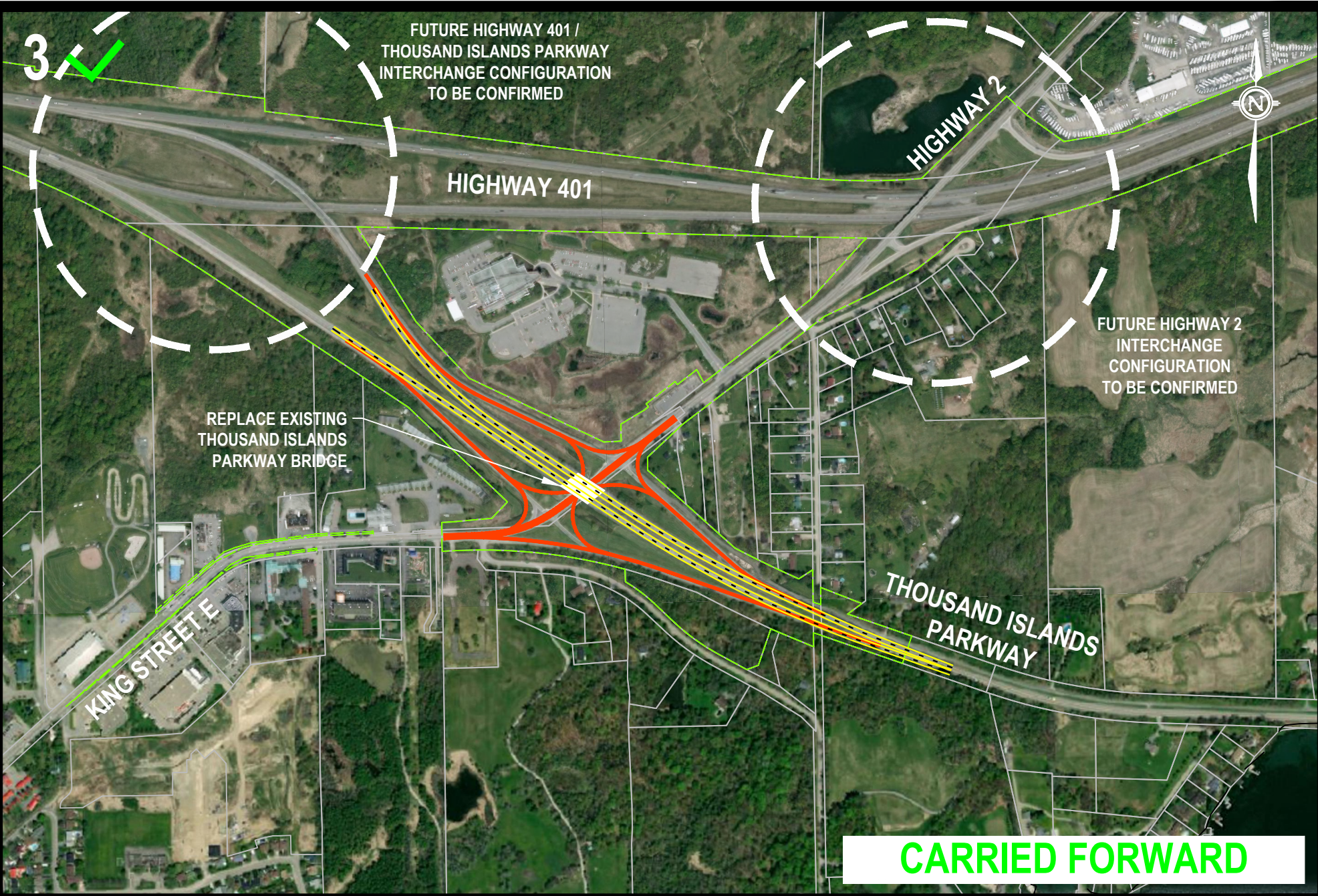
- Replace signalized intersections with two roundabouts ("dumbbell" configuration) and replace existing Highway 2 structure.

ADVANTAGES

- Roundabouts at ramp terminal intersections eliminate left turns and closely spaced signalized intersections, with reduced severity of collisions;
- No impact to travelers remaining on Thousand Island Parkway

DISADVANTAGES

- Potential driver unfamiliarity associated with roundabouts at ramp terminals
- Moderate-High construction cost with more complex construction staging



ALTERNATIVE 3 - SINGLE POINT URBAN INTERCHANGE (SPUI) WITH BRIDGE REPLACEMENT

DESCRIPTION:

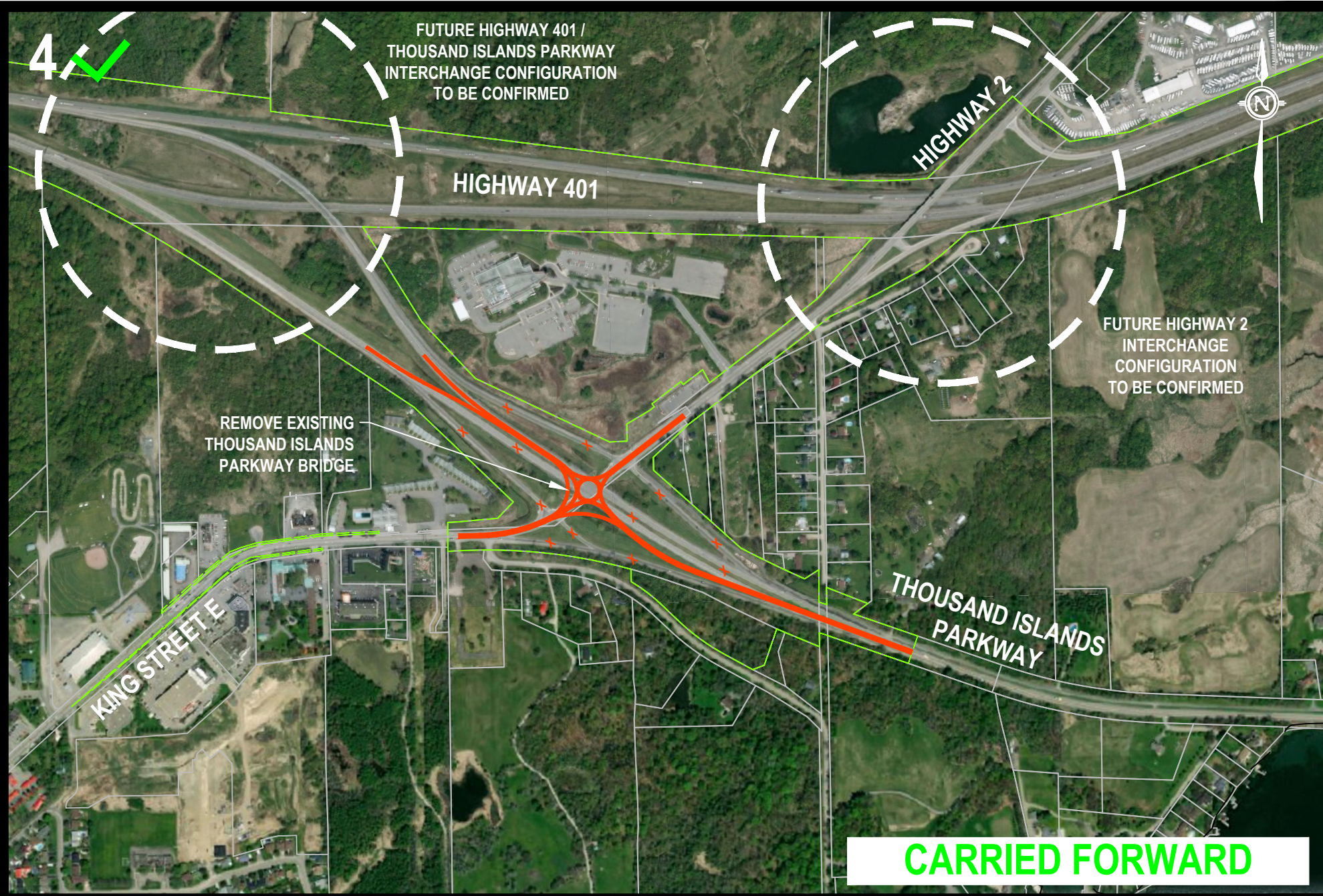
- Reconstruct interchange into a Single Point Urban Interchange (SPUI), with the existing ramp terminal intersections consolidated into one intersection providing simultaneous left-turn movements
- Replace the existing Highway 2 structure.

ADVANTAGES

- SPUI's are generally associated with improved safety and efficiency;
- Improved intersection spacing between single intersection and adjacent access points / intersections
- No impact to travelers remaining on Thousand Island Parkway

DISADVANTAGES

- Less desirable left turn movements still required;
- Uncommon interchange configuration with higher driver unfamiliarity
- High construction cost with complex construction staging
- Larger Highway 2 bridge required with higher long-term maintenance costs



ALTERNATIVE 4 - ROUNDABOUT WITH BRIDGE REMOVED

DESCRIPTION:

- Remove the existing Highway 2 / Thousand Islands Parkway grade separation structure
- Construct an at-grade roundabout for Highway 2 / Thousand Islands Parkway traffic.

ADVANTAGES

- Roundabout could be used as gateway feature into the Thousand Islands;
- At grade roundabout eliminates structure and long-term maintenance costs;
- Roundabouts generally reduce severity of collisions relative to signalized intersections;
- Improved spacing between access points along Highway 2
- Lowest construction cost

DISADVANTAGES

- High complexity of construction staging;
- Travelers on Thousand Islands Parkway have to go through roundabout to continue traveling north or southbound (potential operational concerns, subject to further traffic analysis)

