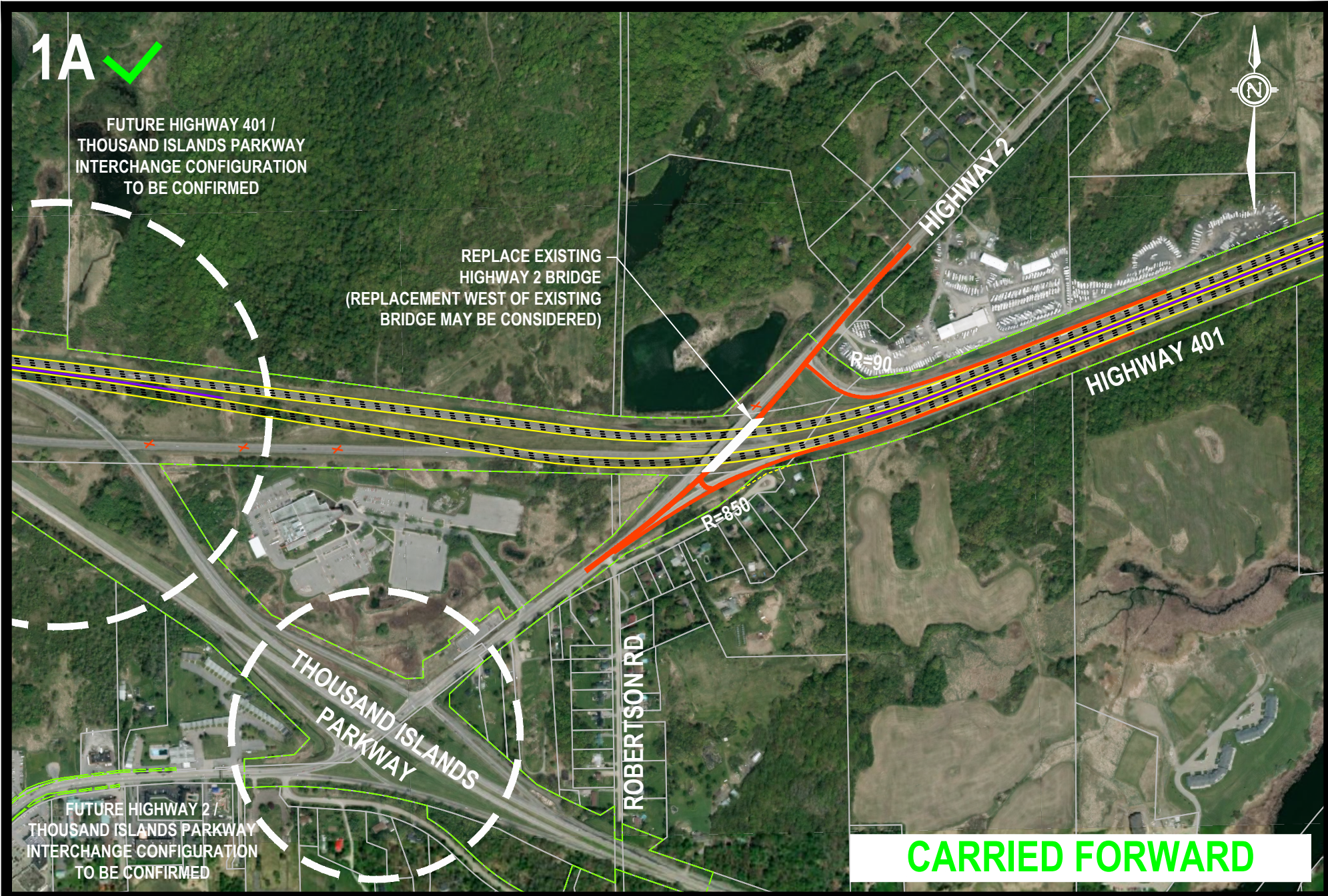


HIGHWAY 2 / HIGHWAY 401 INTERCHANGE - LONG LIST ALTERNATIVES



ALTERNATIVE 1A - ACCESS TO AND FROM THE EAST ONLY AND MAINTAIN EXISTING CONFIGURATION

DESCRIPTION:

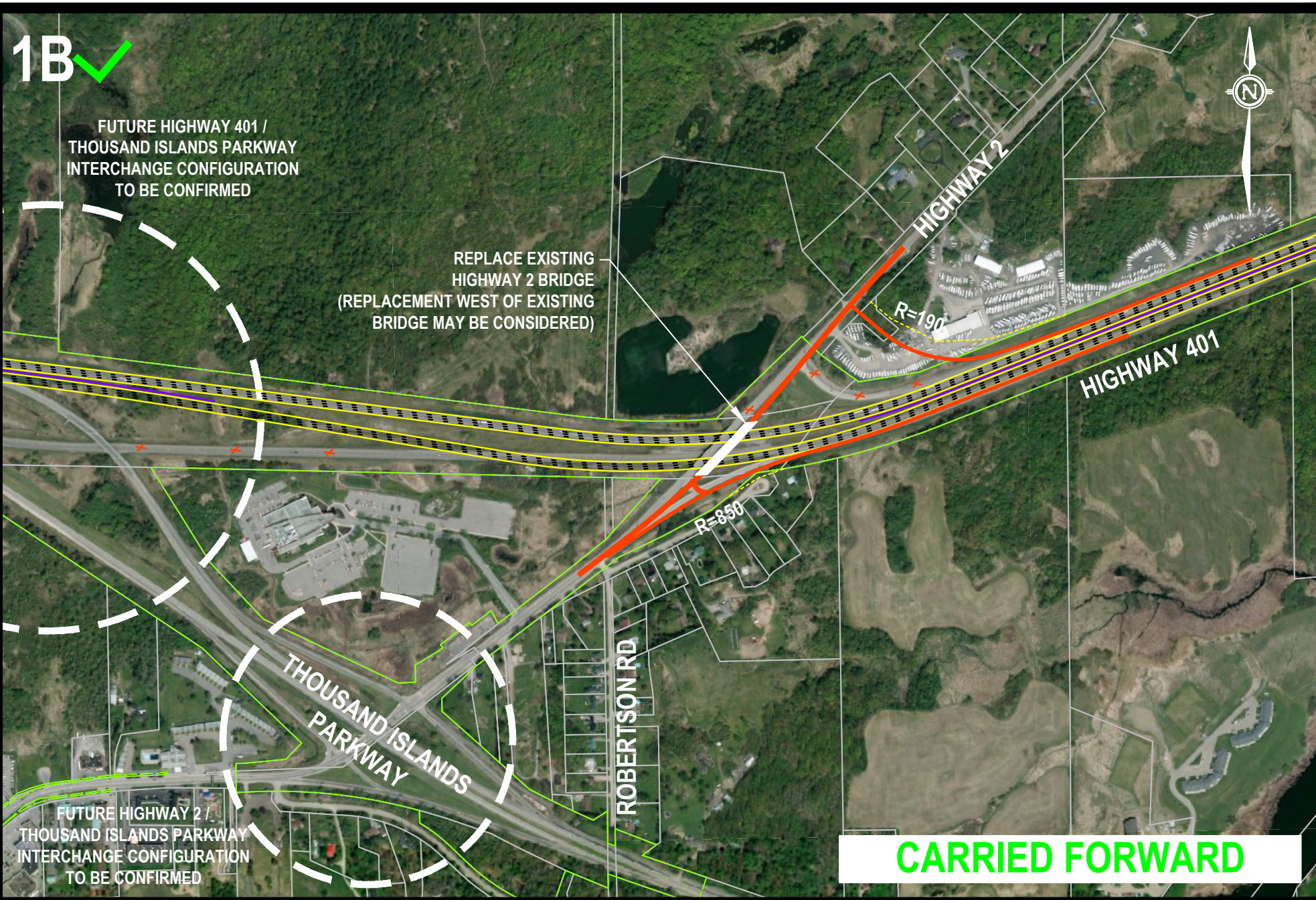
- Maintain existing interchange configuration
- Minor realignment of Highway 2 to facilitate bridge replacement

ADVANTAGES

- Provides directional ramp for major northbound to eastbound movement;
- Minor impacts to property and natural environment;
- Low construction cost

DISADVANTAGES

- Undesirable left turn configuration maintained for southbound to eastbound movement
- Less desirable westbound on-ramp geometry maintained



ALTERNATIVE 1B - ACCESS TO AND FROM THE EAST ONLY AND MAINTAIN EXISTING CONFIGURATION WITH IMPROVED RAMP GEOMETRY

DESCRIPTION:

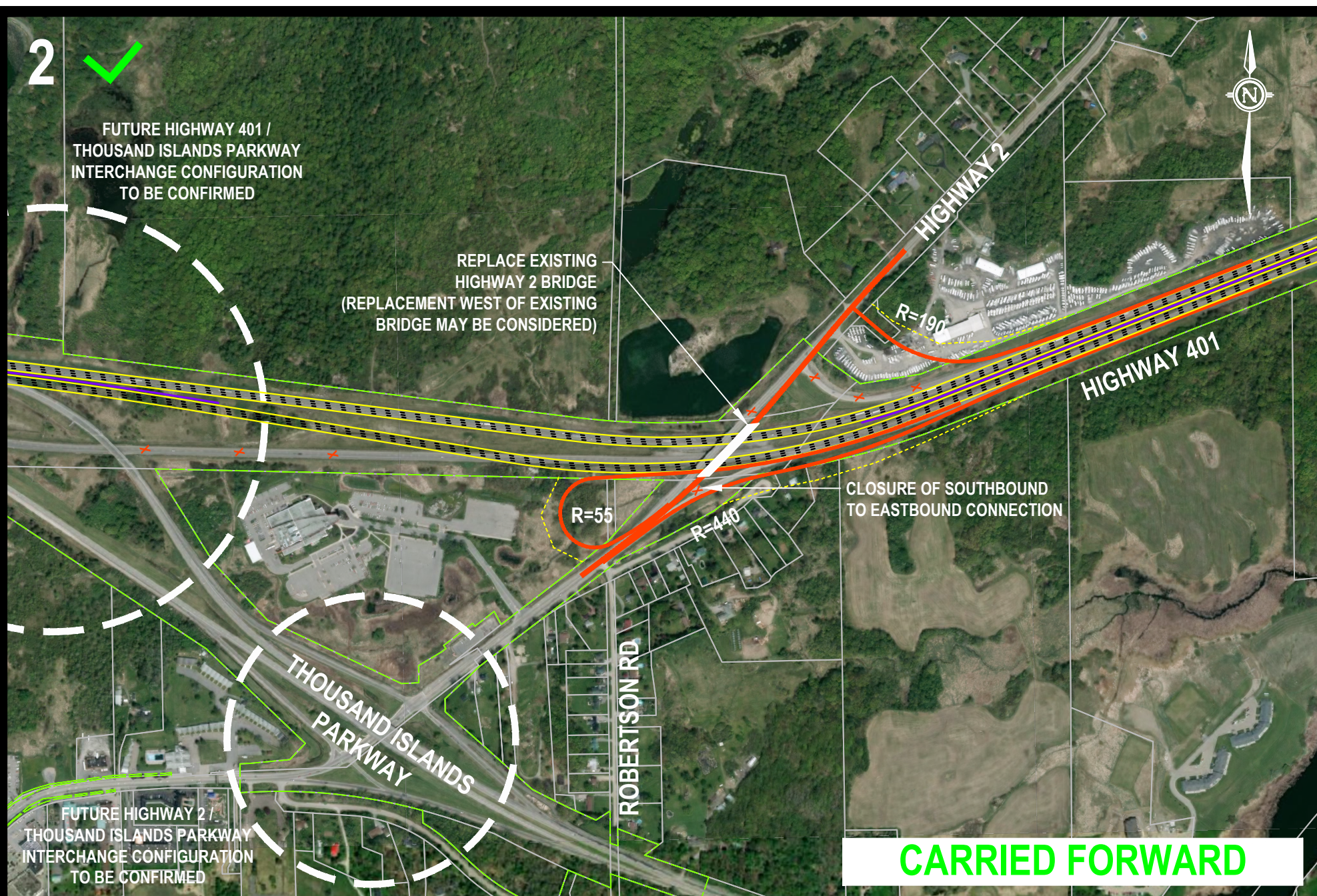
- Maintain existing interchange configuration and re-construct existing westbound off-ramp with improved ramp geometry
- Minor realignment of Highway 2 to facilitate bridge replacement.

ADVANTAGES

- Provides directional ramp for major northbound to eastbound movement
- Improved geometry for westbound off-ramp
- Minor impacts to natural environment
- Low-Moderate construction cost relative to other alternatives

DISADVANTAGES

- Undesirable left turn configuration maintained for southbound to eastbound movement
- Moderate property impacts relative to Alternatives 1A and 6



ALTERNATIVE 2 - ACCESS TO AND FROM THE EAST ONLY WITH LOOP RAMP

DESCRIPTION:

- Maintain existing interchange movements and re-construct existing westbound off-ramp with improved ramp geometry
- Provide new southbound to eastbound loop ramp and close existing southbound left-turn to Highway 401 eastbound
- Minor realignment of Highway 2 to facilitate bridge replacement.

ADVANTAGES

- Provides directional ramp for major northbound to eastbound movement
- Improved geometry for westbound off-ramp
- New eastbound loop on-ramp eliminates left-turn movement and reduces collision risk along Highway 2;
- Minor impacts to natural environment;

DISADVANTAGES

- Moderate-High impacts to commercial and residential properties
- Southbound to eastbound movement is low volume and loop ramp may not be warranted
- Higher construction cost than other alternatives



ALTERNATIVE 3 - ACCESS TO AND FROM THE EAST ONLY WITH LOOP RAMP AND NORTHBOUND LEFT-TURN

DESCRIPTION:

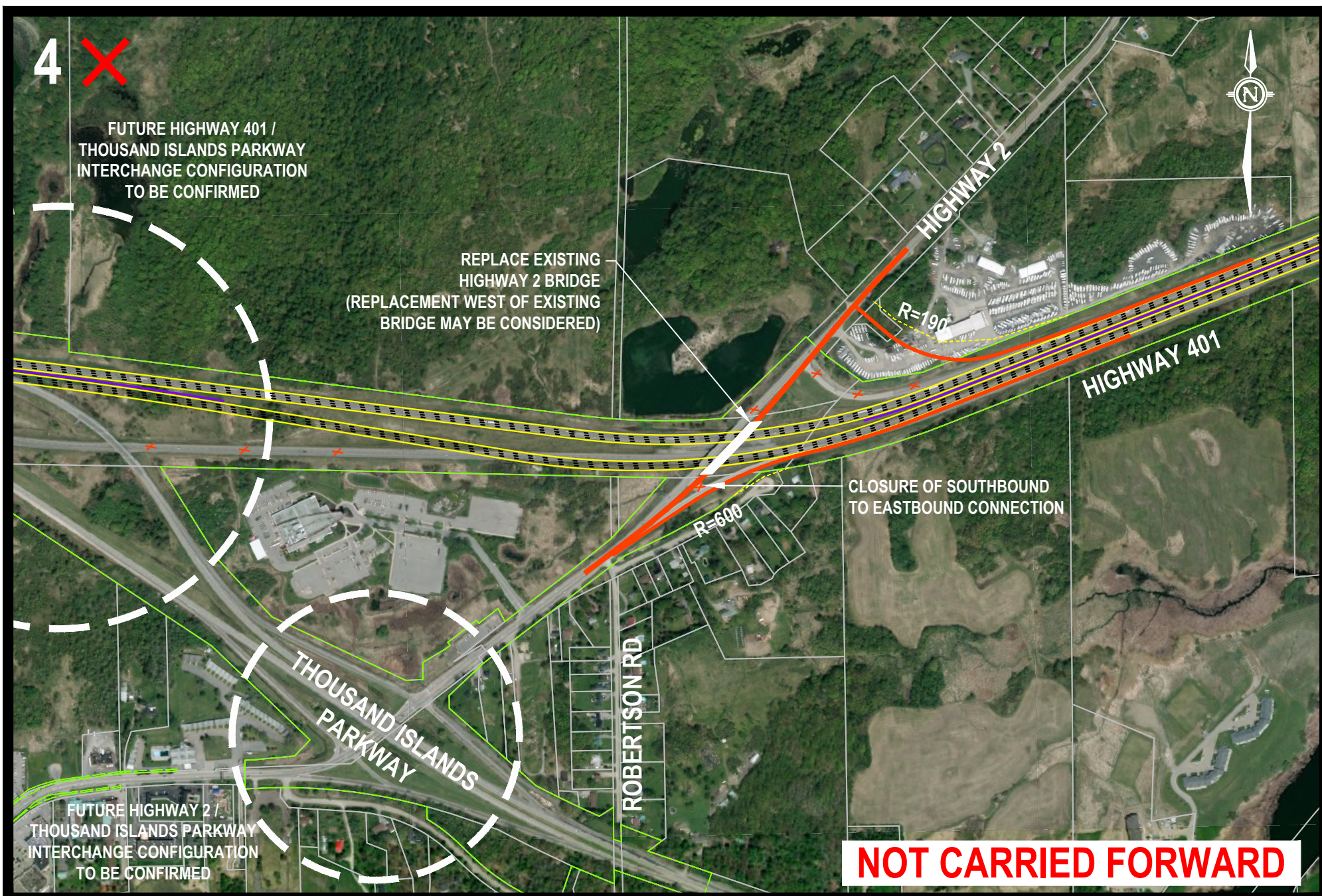
- Maintain existing interchange movements and re-construct existing westbound off-ramp with improved ramp geometry
- Provide new southbound to eastbound loop ramp with new northbound left-turn to Highway 401 eastbound and remove existing directional northbound to eastbound on-ramp
- Minor realignment of Highway 2 to facilitate bridge replacement.

ADVANTAGES

- Improved geometry for westbound off-ramp
- Minor impacts to natural environment

DISADVANTAGES

- Major northbound to eastbound movement requires left-turn (potential operational concerns and increased collision risk)
- Reduced intersection / access spacing on south side of Highway 401
- Moderate property impacts relative to Alternatives 1A and 6
- Southbound to eastbound movement is low volume and loop ramp may not be warranted



ALTERNATIVE 4 - ACCESS TO AND FROM THE EAST ONLY WITH CLOSURE OF SOUTHBOUND TO EASTBOUND MOVEMENT

DESCRIPTION:

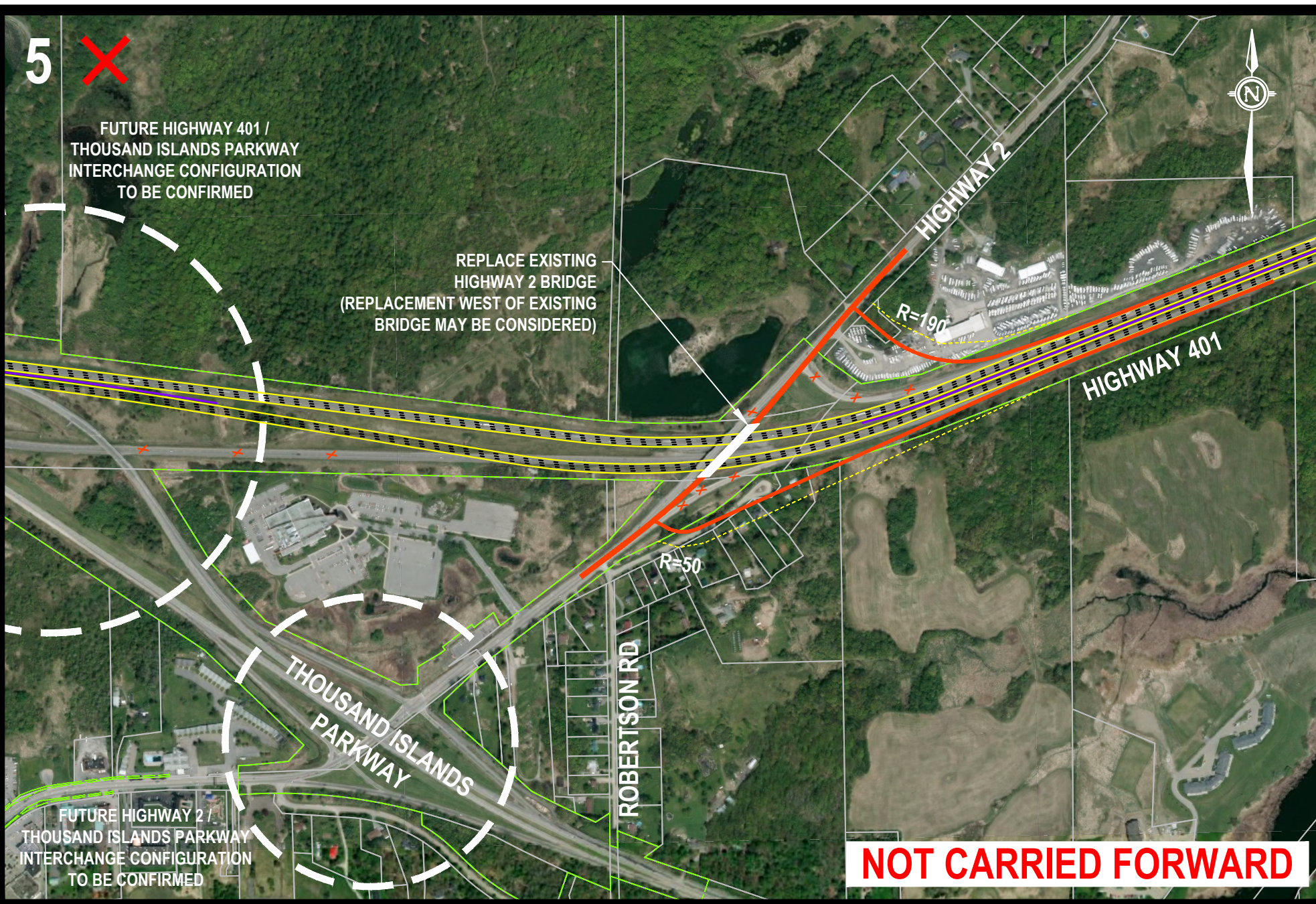
- Maintain existing interchange configuration and close existing southbound to eastbound left-turn access to Highway 401 eastbound
- Minor realignment of Highway 2 to facilitate bridge replacement.

ADVANTAGES

- Provides directional ramp for major northbound to eastbound movement
- Improved geometry for westbound off-ramp
- Eliminates undesirable left turn for southbound to eastbound movement
- Minor impacts to natural environment

DISADVANTAGES

- Closure of southbound to eastbound connection increases out-of-way travel
- Moderate property impacts relative to Alternatives 1A and 6



ALTERNATIVE 5 - ACCESS TO AND FROM THE EAST ONLY WITH EASTBOUND DIAMOND ON-RAMP

DESCRIPTION:

- Maintain existing interchange movements and re-construct existing westbound off-ramp with improved ramp geometry
- Re-construct eastbound on-ramp including northbound right-turn and southbound left-turn configuration
- Minor realignment of Highway 2 to facilitate bridge replacement.

ADVANTAGES

- Improves existing configuration of undesirable southbound to eastbound left-turn movement;
- Improved geometry for westbound off-ramp;

DISADVANTAGES

- Left turn required for southbound to eastbound movement
- Reduced intersection / access spacing on south side of Highway 401
- Major impacts to commercial and residential properties
- Moderate impacts to natural environment



ALTERNATIVE 6 - ACCESS TO HIGHWAY 401 REMOVED

DESCRIPTION:

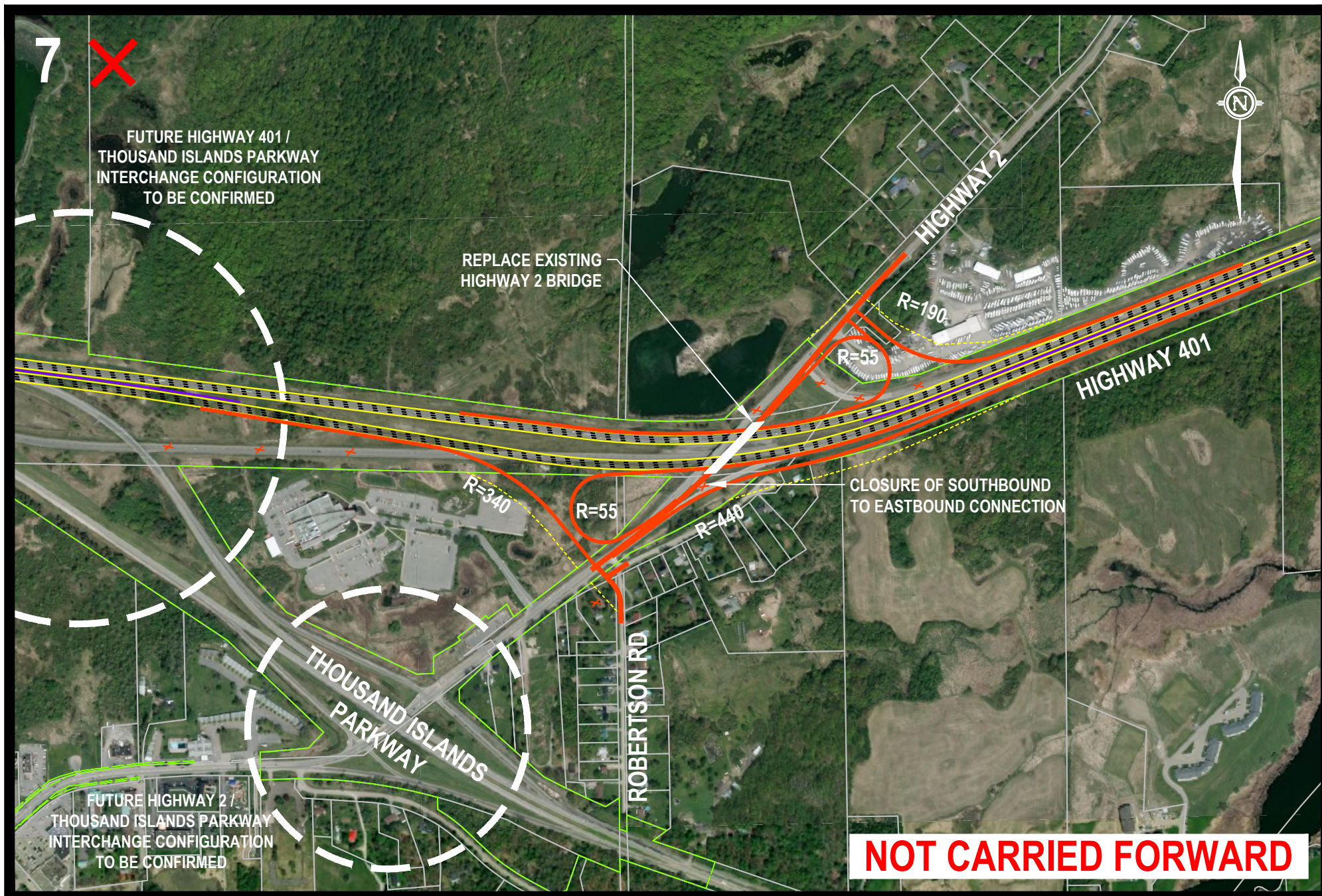
- Remove existing direct access to and from Highway 401 (access via adjacent interchanges)
- Minor realignment of Highway 2 to facilitate bridge replacement.

ADVANTAGES

- Minimal property or natural environment impacts
- Lowest complexity of construction and construction cost

DISADVANTAGES

- Access to Highway 401 removed
- Potential for significantly increased out-of-way travel to and from Highway 2 and Highway 401



ALTERNATIVE 7 - FULL MOVEMENTS WITH PARCLO A3 CONFIGURATION

DESCRIPTION:

- Re-construct interchange to provide full movements with Parclo A-3 configuration
- Minor realignment of Highway 2 to facilitate bridge replacement.

ADVANTAGES

- Provides full interchange movements at Highway 2 / 401
- Major northbound to eastbound movement accommodated with directional ramp, good operations anticipated

DISADVANTAGES

- Major property impacts, including impacts to commercial property and Shorelines Casino
- High impacts to natural environment
- Reduced intersection / access spacing on south side of Highway 401
- Left turn required for southbound to westbound movement
- More complex construction staging and highest construction cost
- Full movements interchange not considered warranted given access at adjacent Highway 2/Thousands Islands Parkway interchange

LEGEND	
	EXISTING MTO RIGHT-OF-WAY
	EXISTING PROPERTY LINES
	HIGHWAY 2 INTERCHANGE ALTERNATIVE
	PROPOSED STRUCTURE
	REMOVAL
	PROPOSED PROPERTY REQUIREMENT