

PARK CIRCLE

March 2, 2021

Background

1

PROJECT BACKGROUND

- 2009: concrete pedestrian islands, painted curb extensions and bike lanes installed
- 2017: the Prospect Park entrance closed to public vehicles
- 2018: park road entrances converted to shared space
- 2019: signal timing throughout the neighborhood optimized
- 2021: protected bike lanes scheduled to be installed along Fort Hamilton Pkwy and Parkside Ave
- **Recent requests from FDNY and community for improved traffic flow**

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	1	0	0	0
Bicyclist	4	0	0	0
Motor Vehicle Occupant	60	3	0	3
Total	65	3	0	3

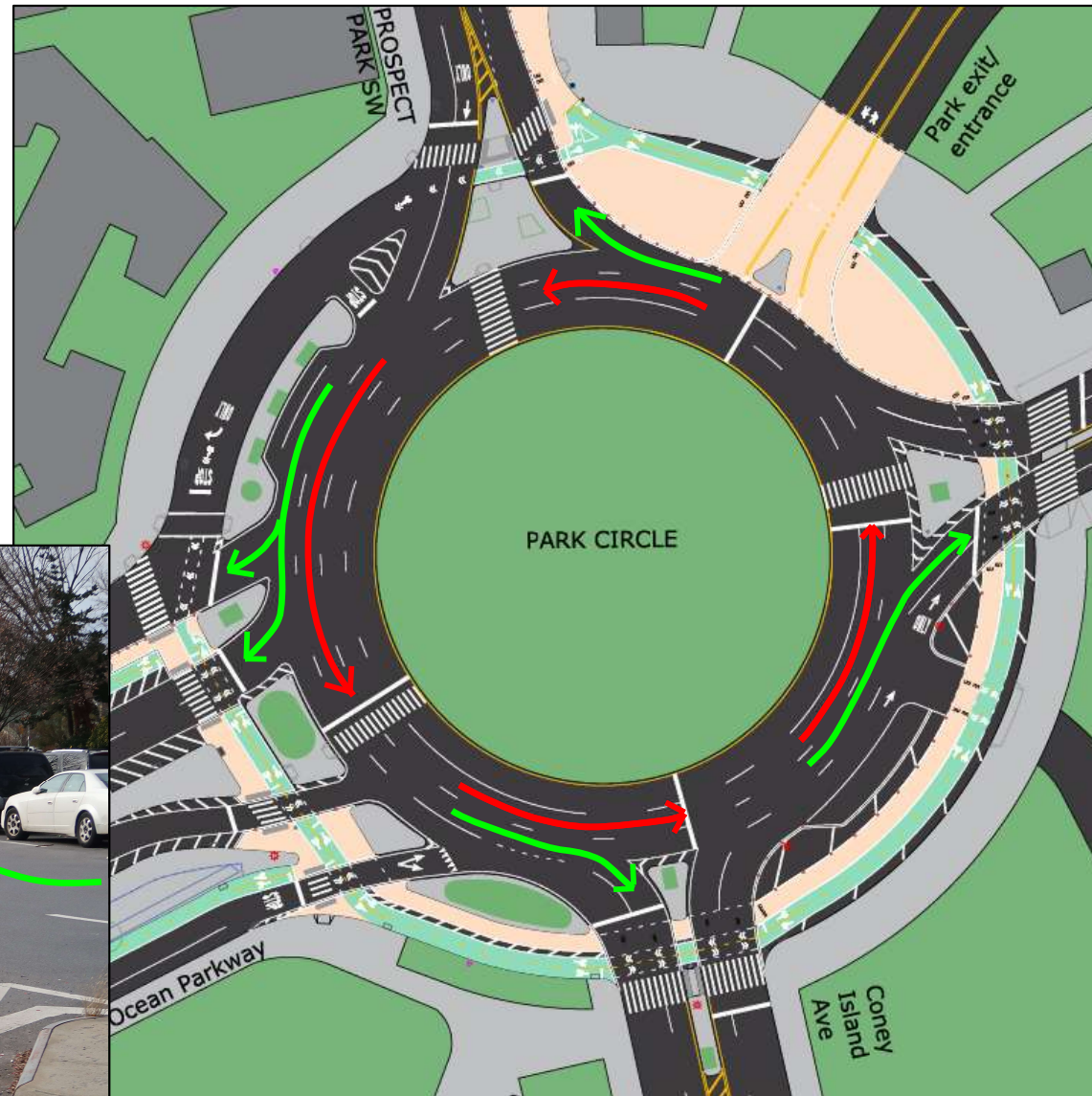


Existing Conditions

2

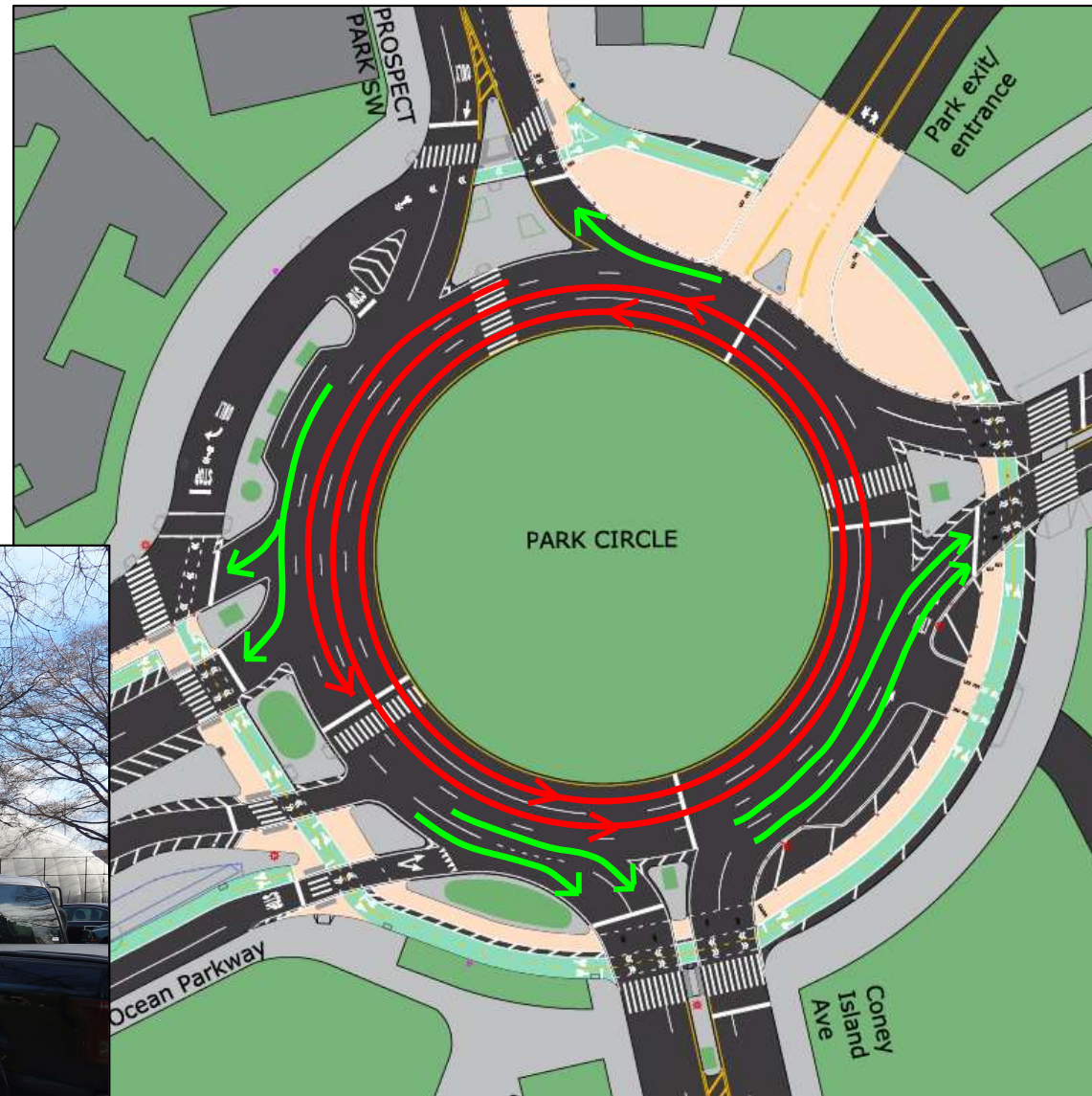
EXISTING CONDITIONS

- Lack of clarity regarding which lane leads to exits



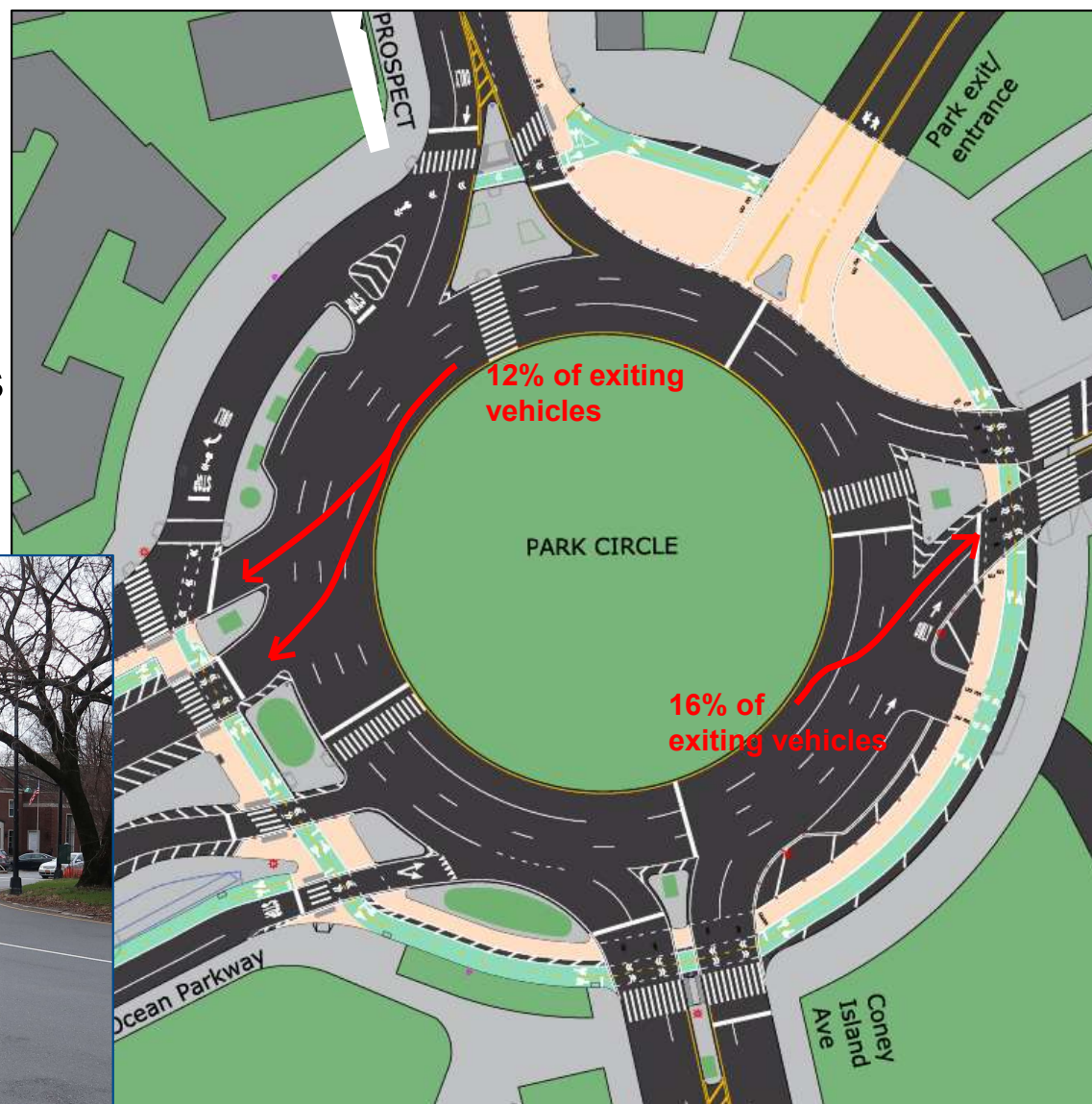
EXISTING CONDITIONS

- Lack of clarity regarding which lane leads to exits
- Vehicles are required to merge into outside lanes in order to exit
 - Can lead to sideswipe collisions



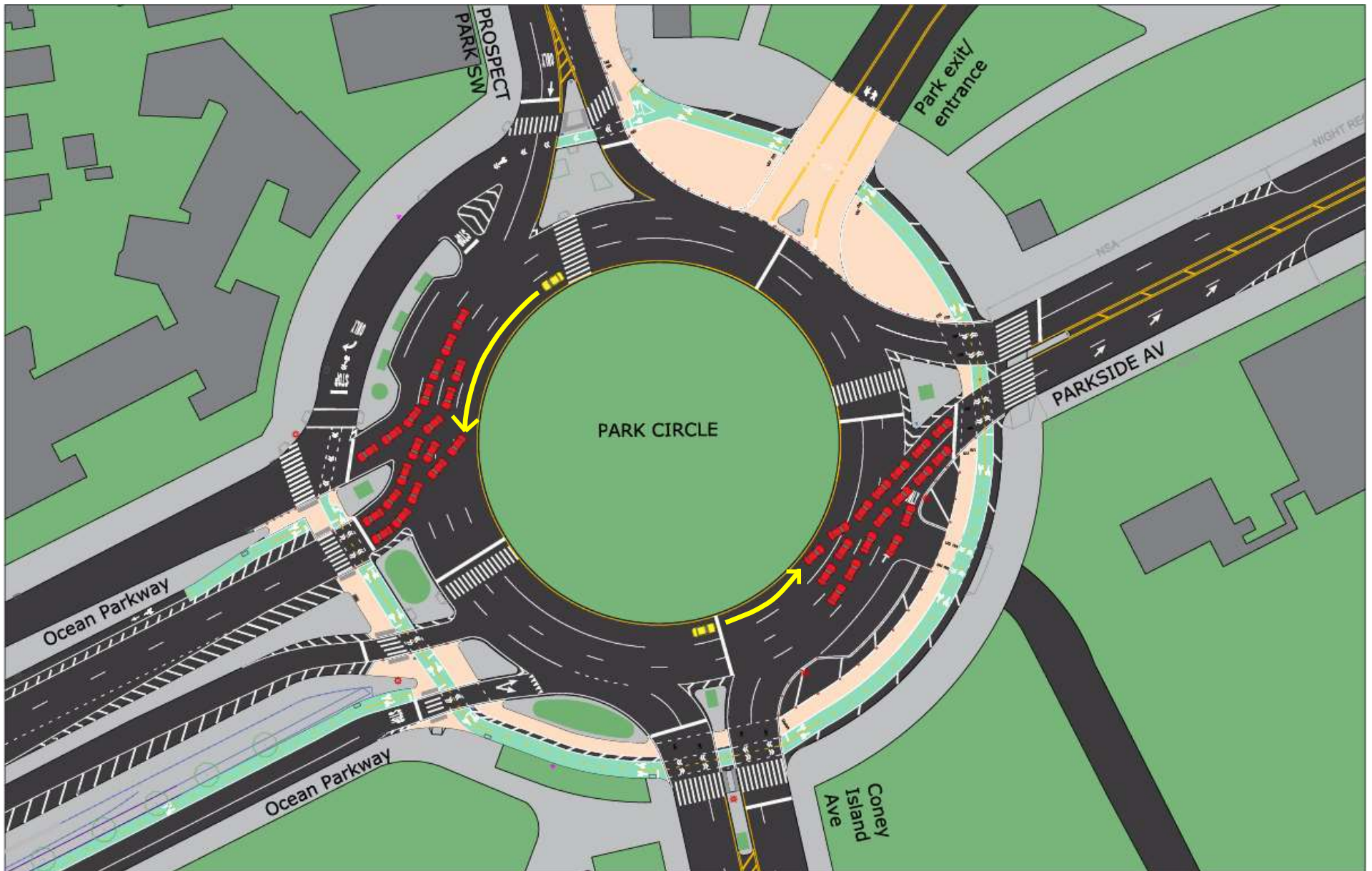
EXISTING CONDITIONS

- Lack of clarity regarding which lane leads to exits
- Vehicles are required to merge into outside lanes to exit
- Vehicles often make multi-lane merges from underused inner lanes
 - Leads to exiting vehicles blocking other movements



EXISTING CONDITIONS

Observed Existing Queuing Pattern:



Proposed

3

TOOLKIT



Exclusive Turn Lanes



Qwick Kurbs



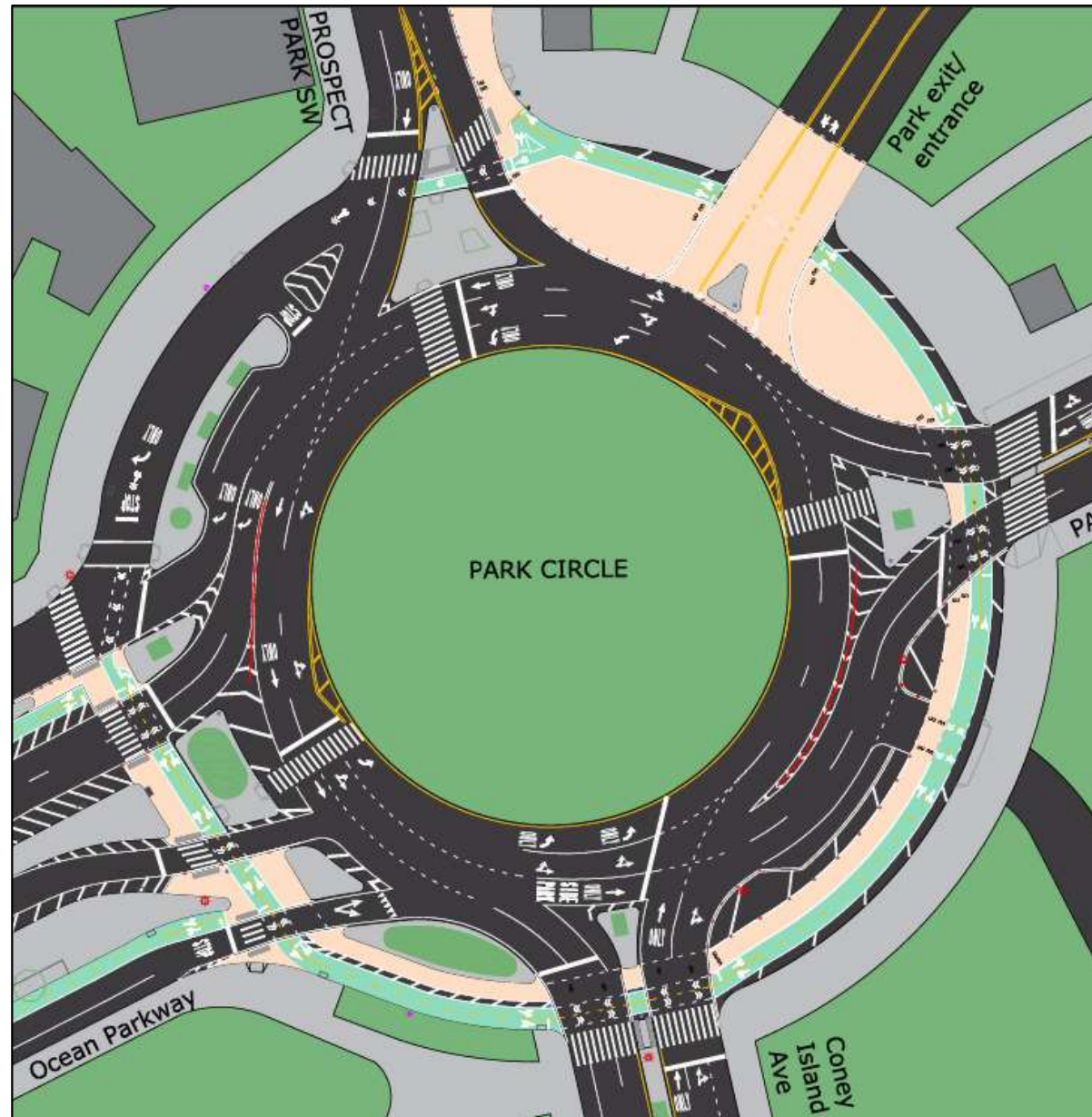
Destination Signs



Arrow Markings

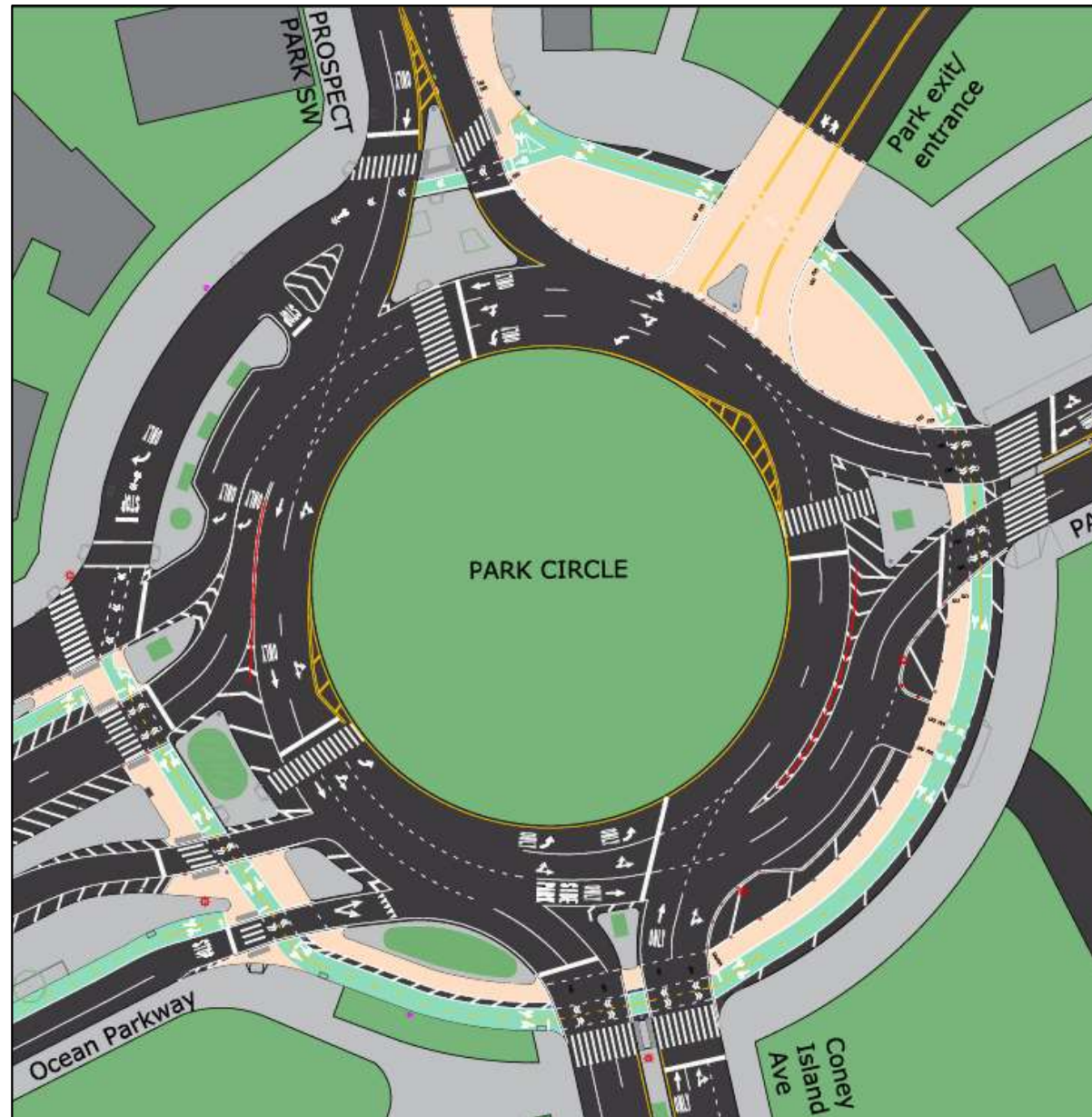
PROPOSED

- All lanes lead to an eventual exit
 - Reduces lane changes
 - Shorter queue lengths



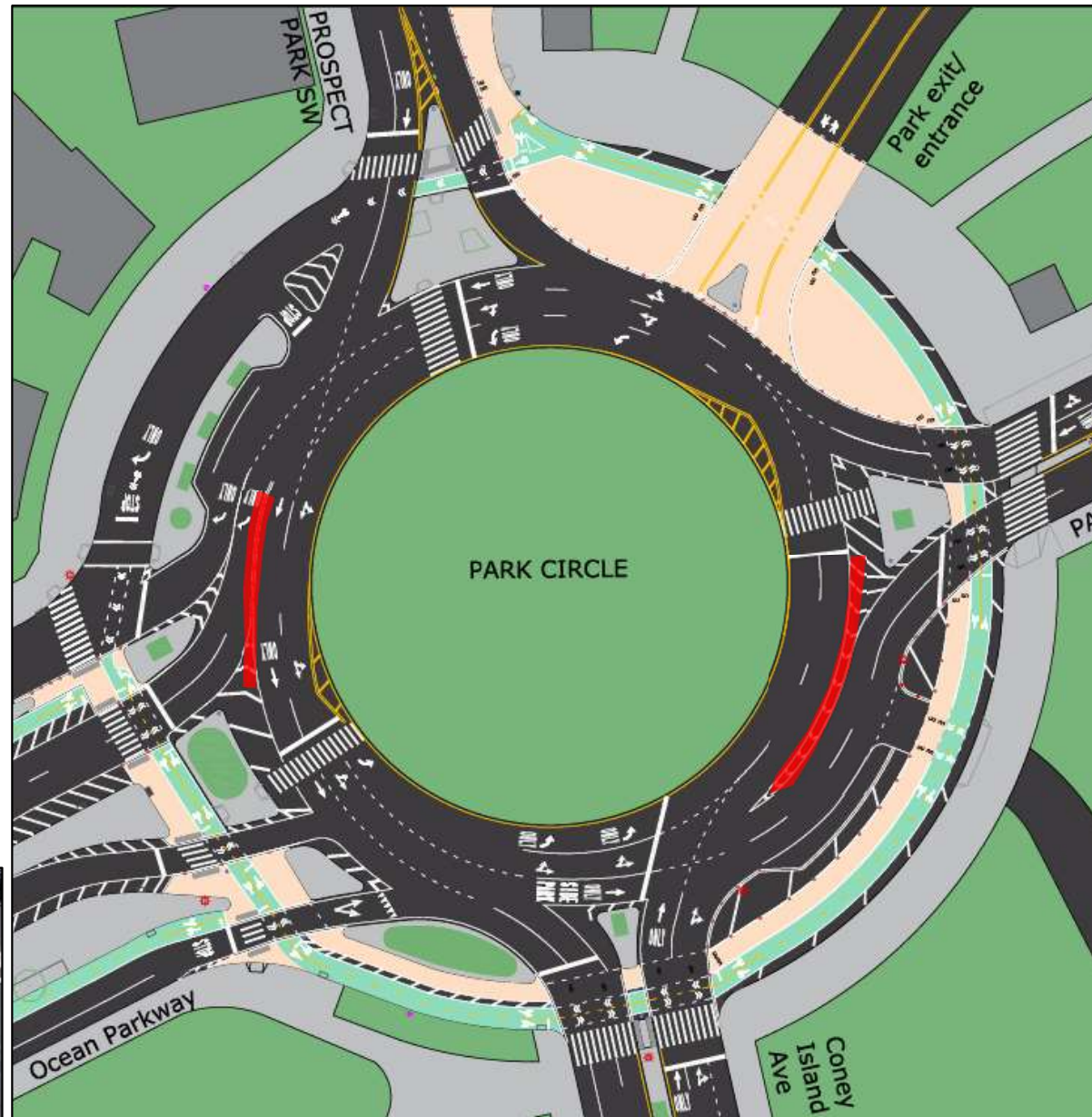
PROPOSED

- All lanes lead to an eventual exit
 - Reduces lane changes
 - Shorter queue lengths
- Increased markings and signage to guide vehicles to the correct lane and exit



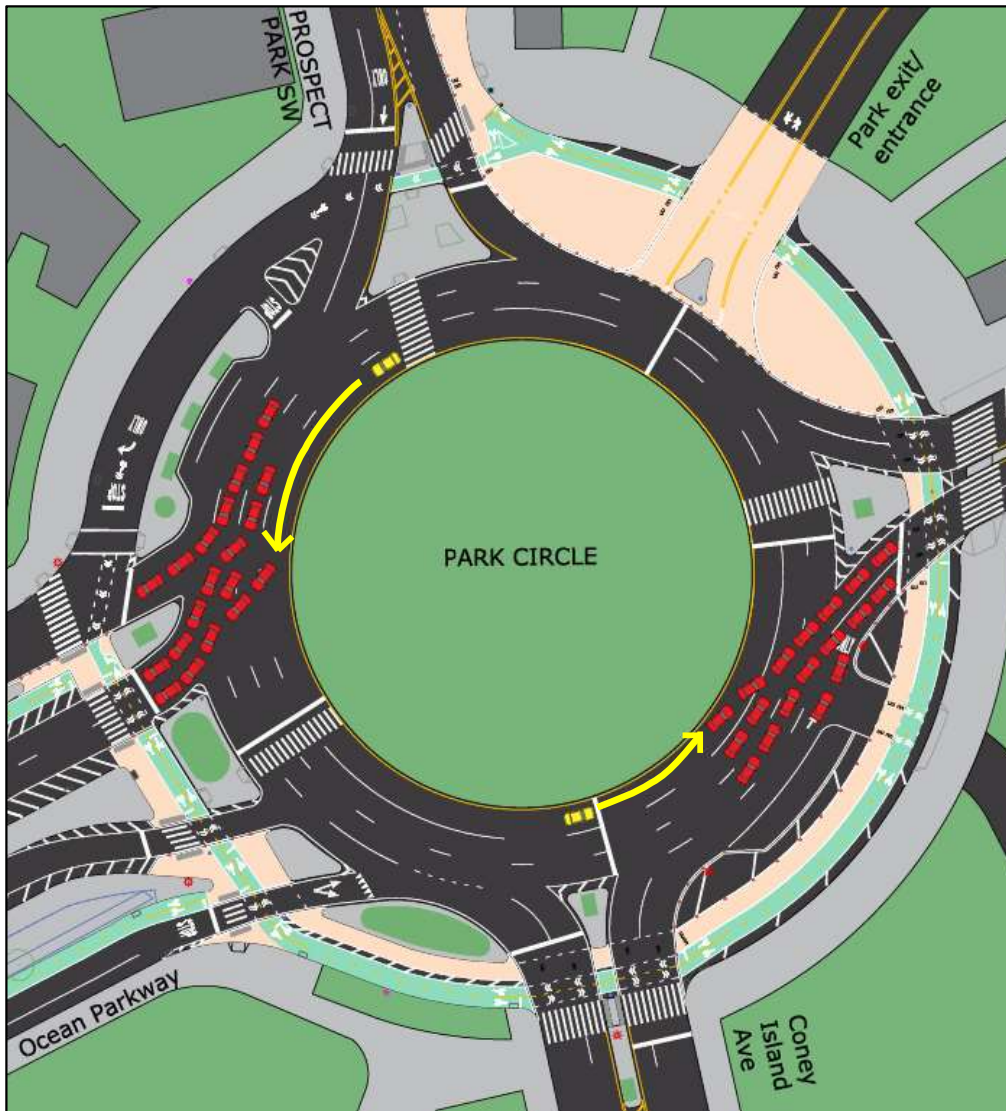
PROPOSED

- All lanes lead to an eventual exit
 - Reduces lane changes
 - Shorter queue lengths
- Increased markings and signage to guide vehicles to the correct lane and exit
- Qwick Kurb near major exits prevent vehicles from performing multi-lane merges

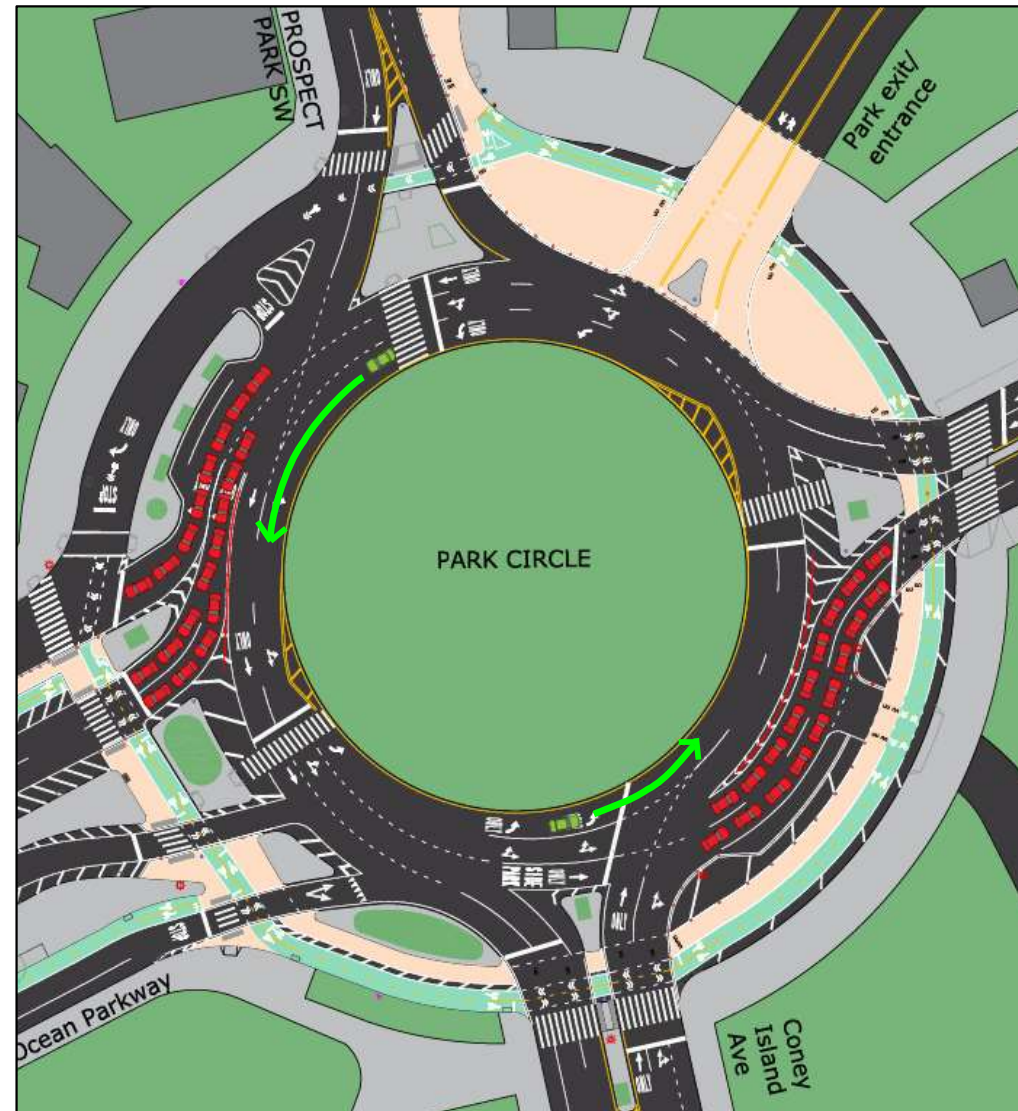


QUEUING PATTERNS

Number of queuing vehicles are the same in both queuing patterns



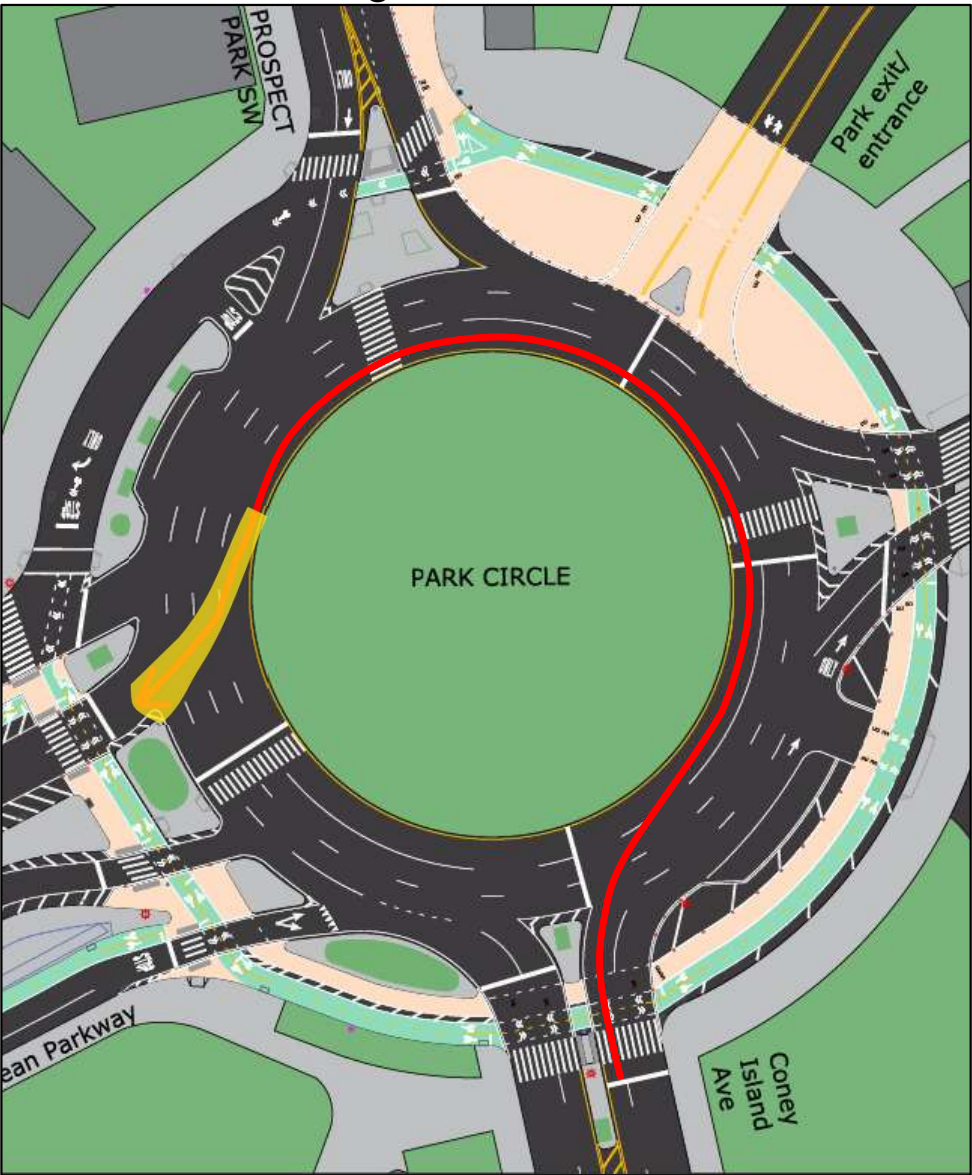
Existing



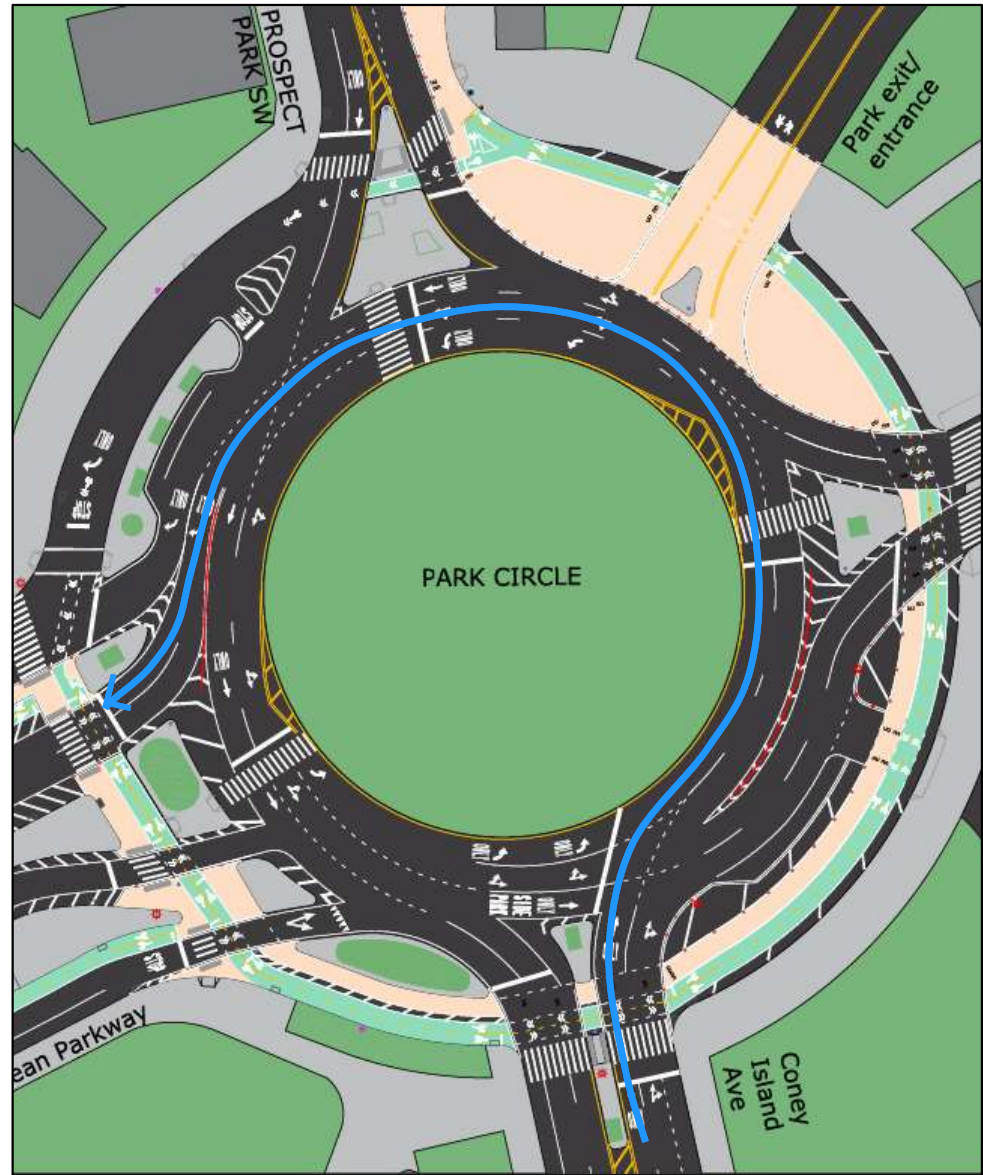
Proposed

MERGING PATTERNS

EXISTING: 3 merges



PROPOSED: 0 merges



SUMMARY

- Shift lanes throughout the circle towards exits
- Install buffers between lanes around circle and lanes exiting to Parkside Ave and Ocean Pkwy
- Install additional signage to guide vehicles



BENEFITS

- Simpler, safer vehicular movements
- Reduce weaving for vehicles exiting the circle
- Improve vehicular operation



THANK YOU!



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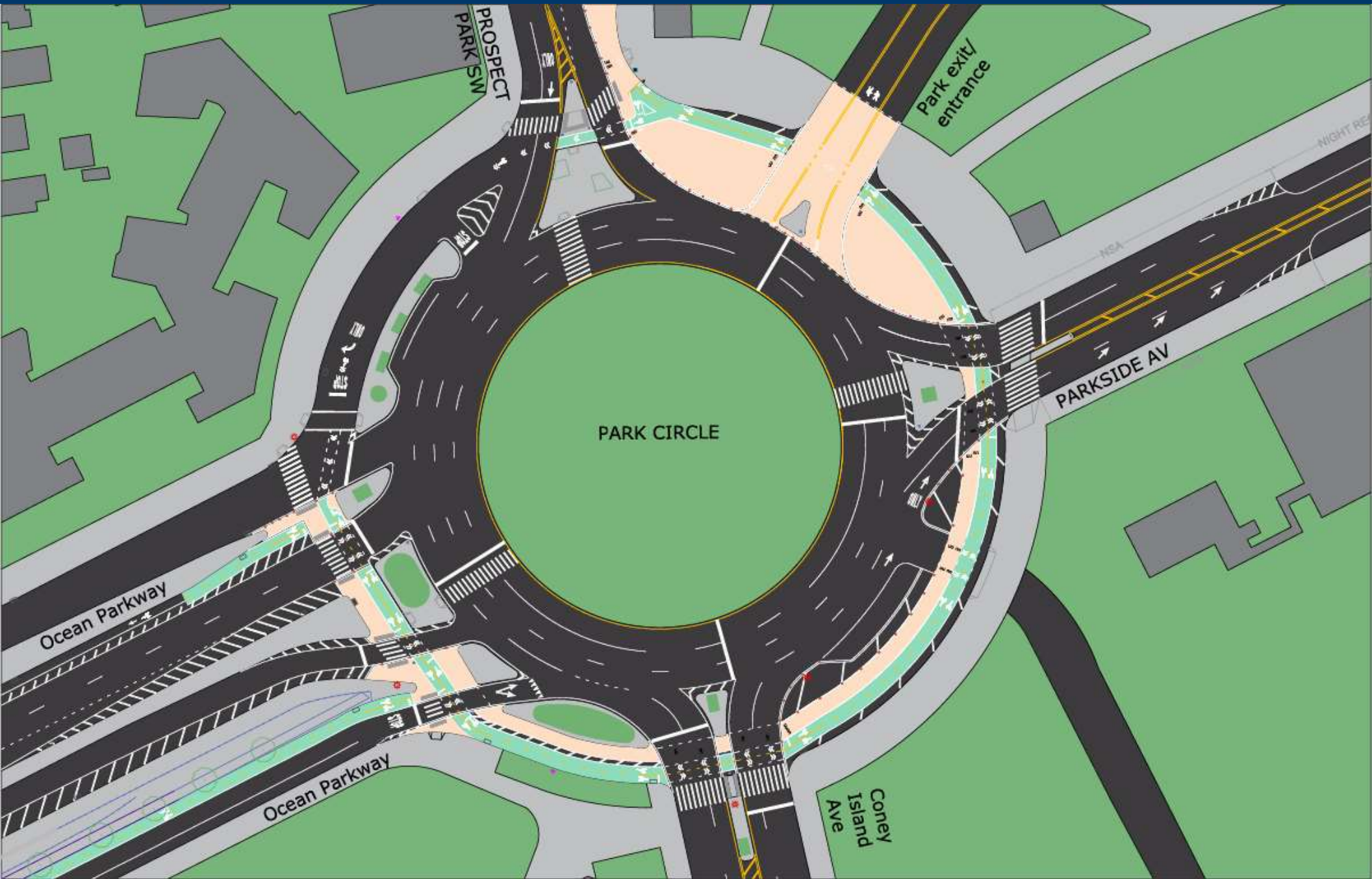


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APPENDIX – EXISTING CONDITION



APPENDIX – PROPOSED PLAN

