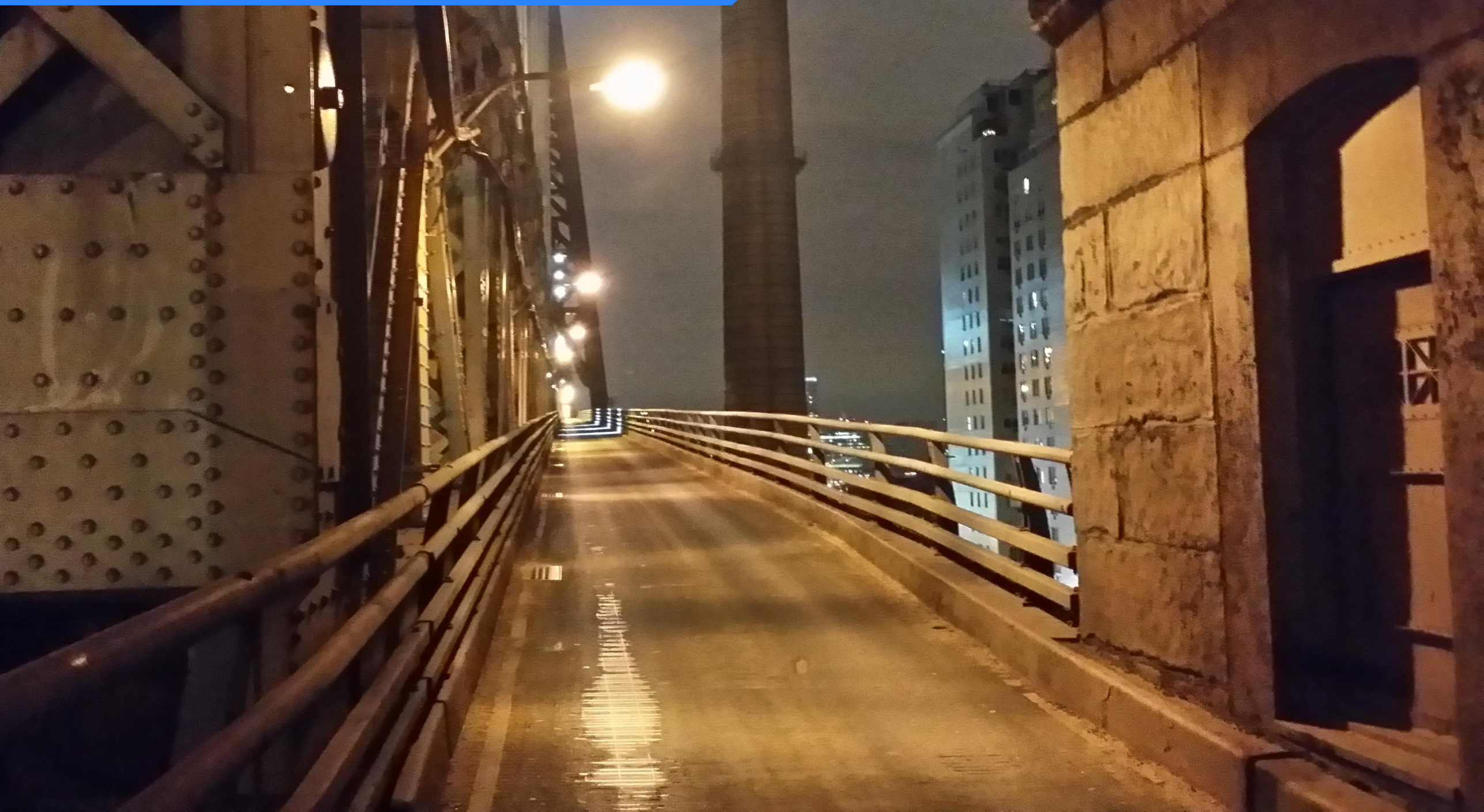
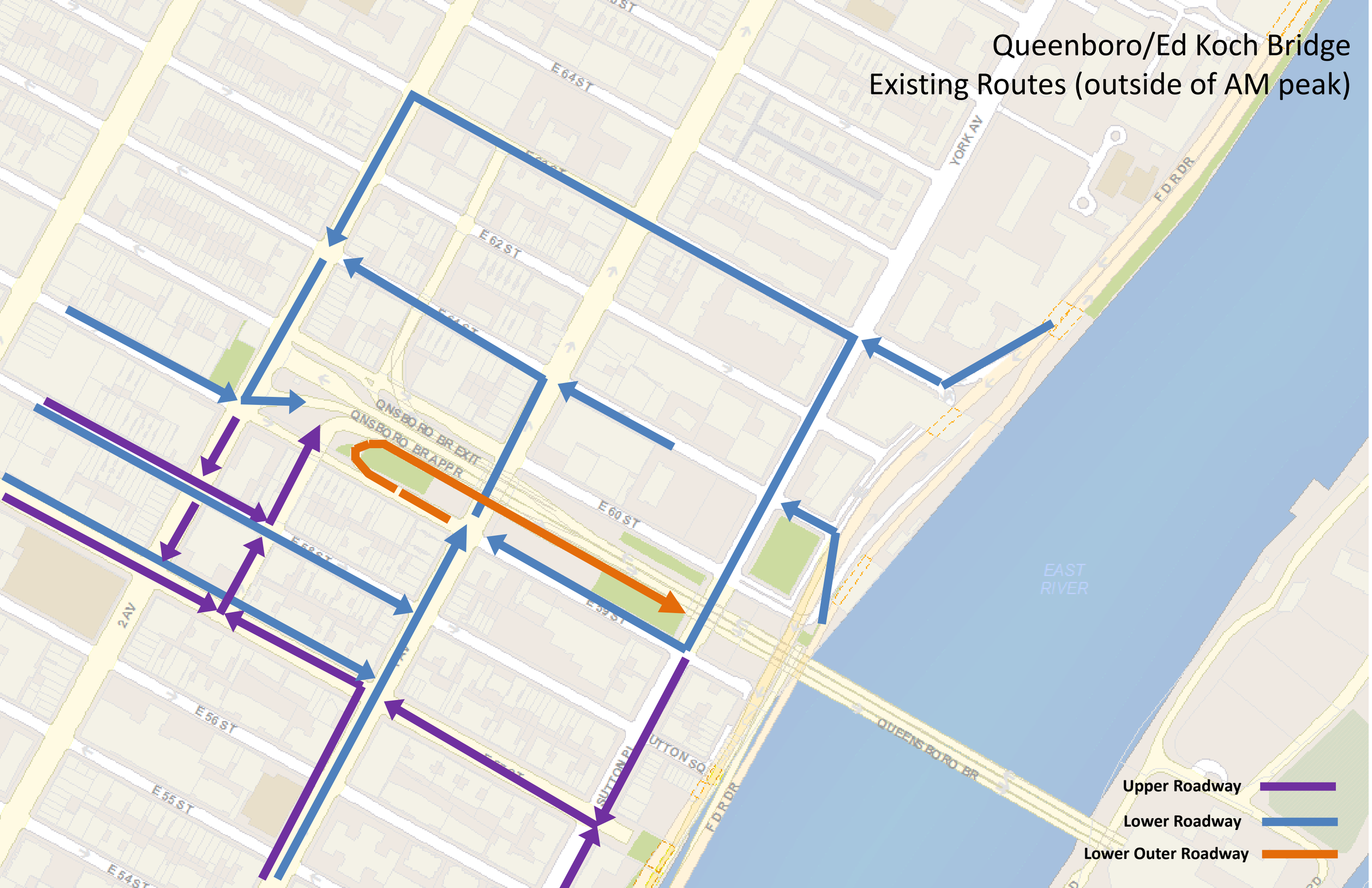
Queensboro Bridge South Outer Roadway

Pedestrian Path Considerations



Queenboro/Ed Koch Bridge
Existing Routes (outside of AM peak)



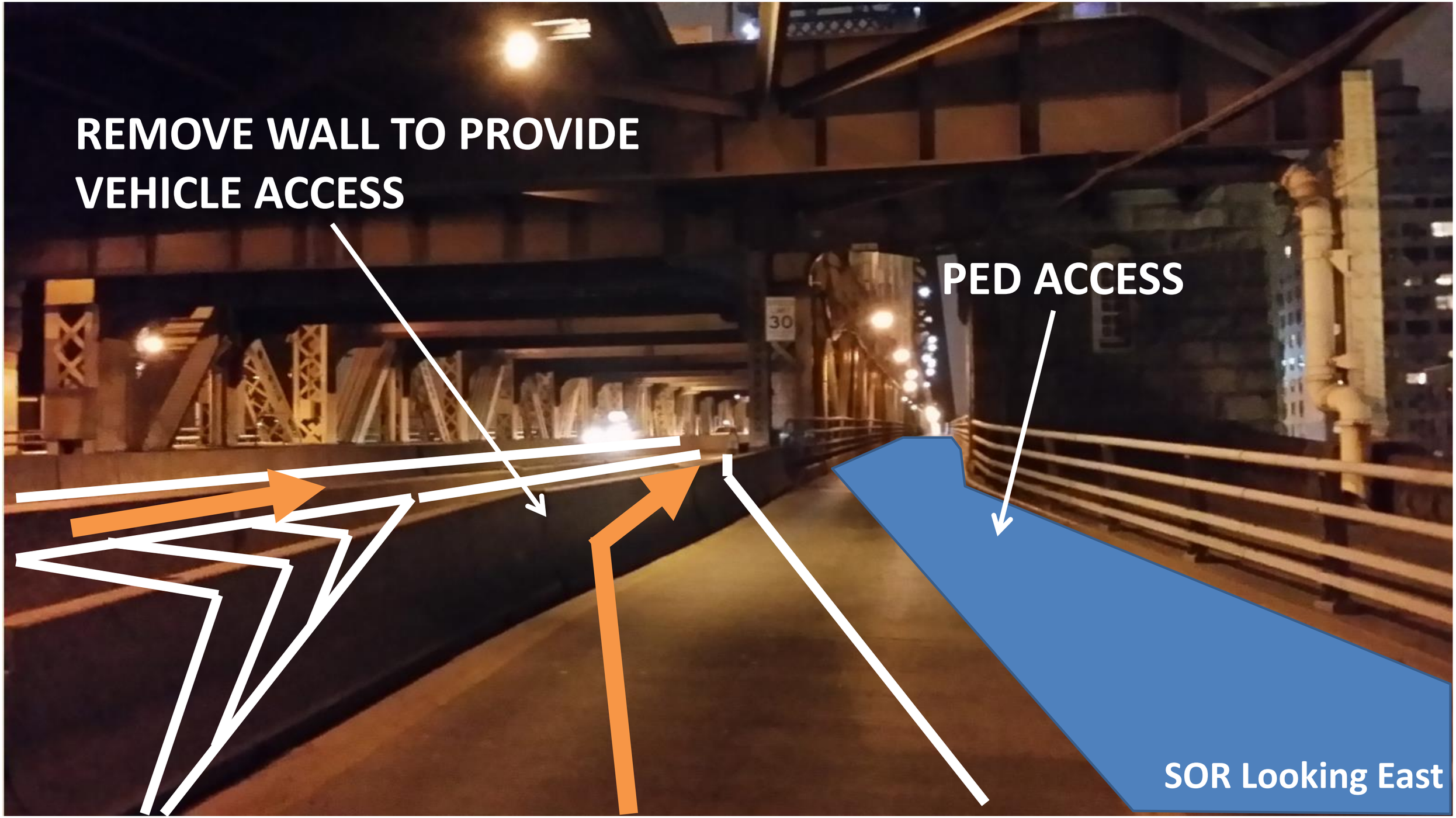
QBB SOR Conversion Issues

Manhattan Side - Option 1: Remove Bridge Barrier

SOR Looking East

QBB SOR Conversion Issues

Manhattan Side - Option 1: Remove Bridge Barrier



QBB SOR Conversion Issues
Manhattan Side - Option 1: Remove Bridge Barrier

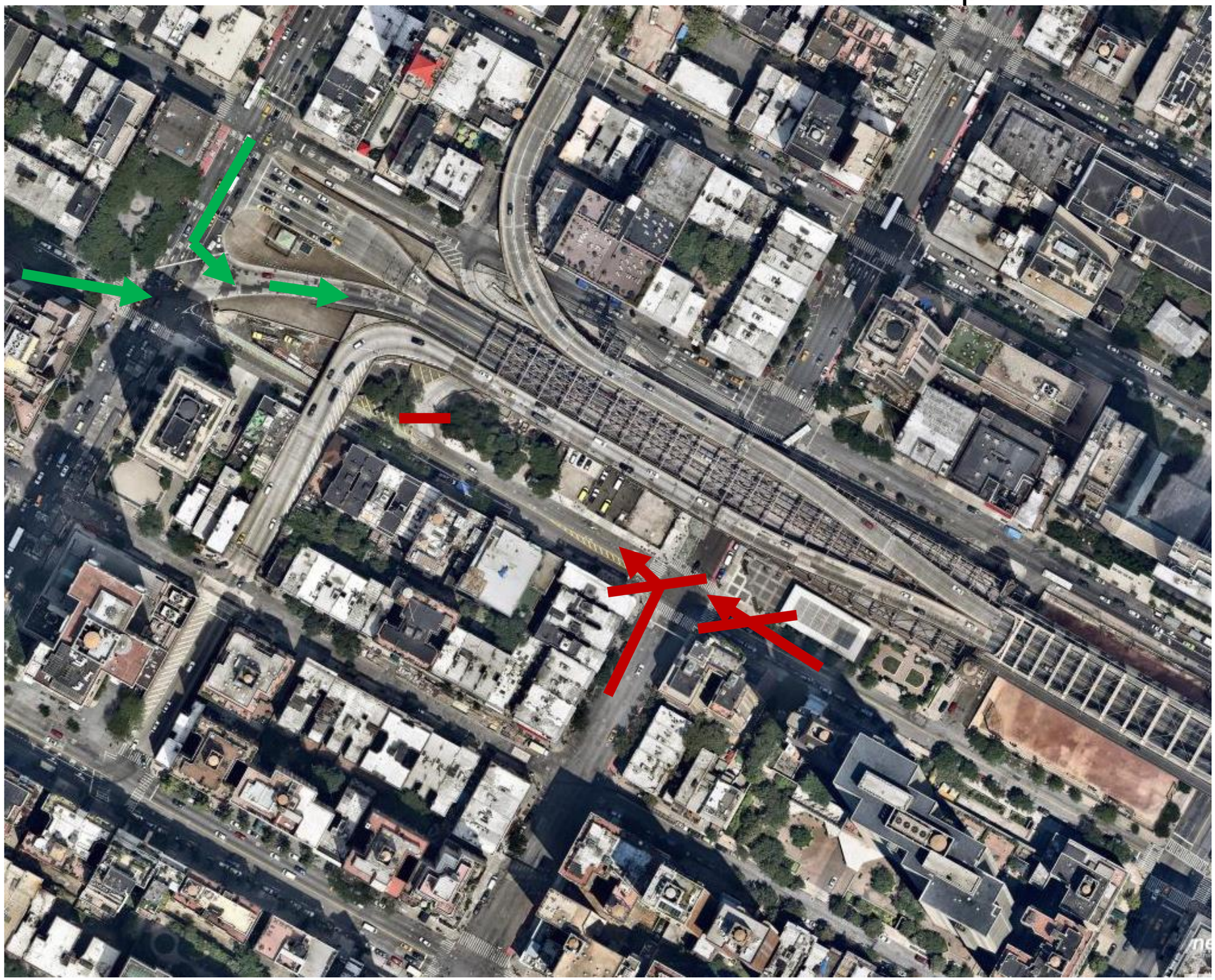
- Access from SOR ramp onto main lower roadway would require an exclusive lane
- This requires the volume from 2nd Ave double LT to merge into one lane after the turn

QBB SOR Conversion Issues
Manhattan Side - Option 1: Remove Bridge Barrier

QBB SOR Conversion Issues
Manhattan Side - Option 2: Rebuild e/b 59th St entrance

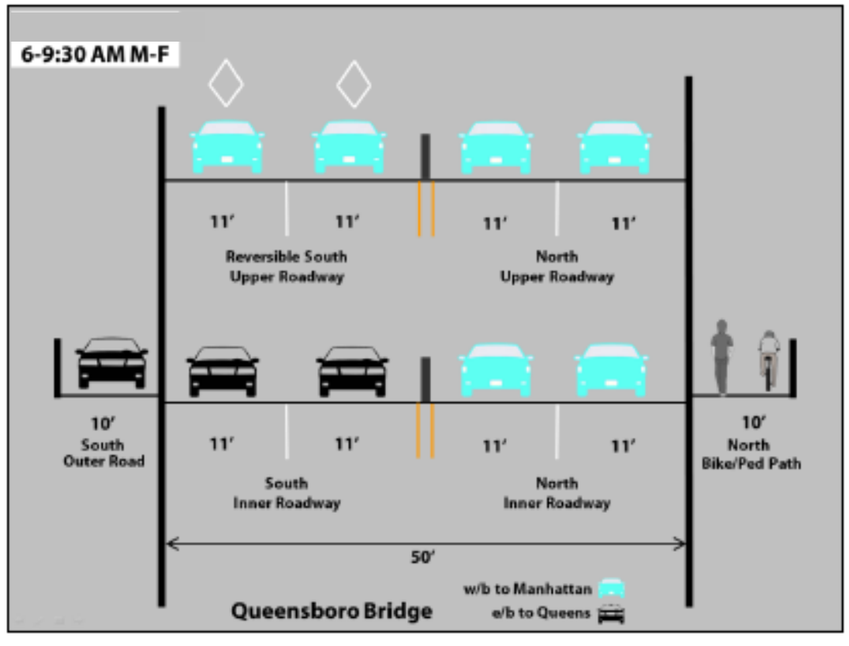
QBB SOR Conversion Issues

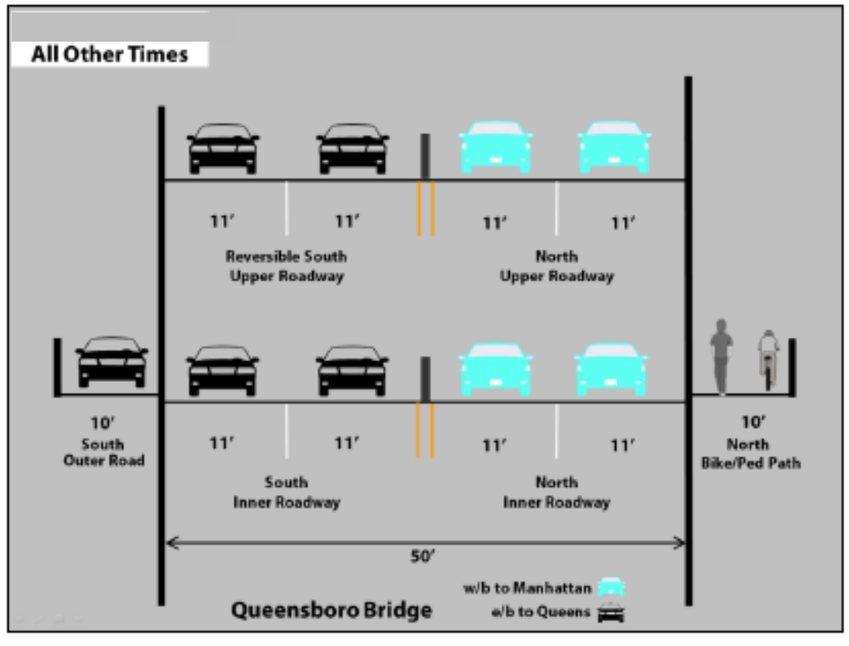
Manhattan Side - Option 3: Close 1st Ave entrance



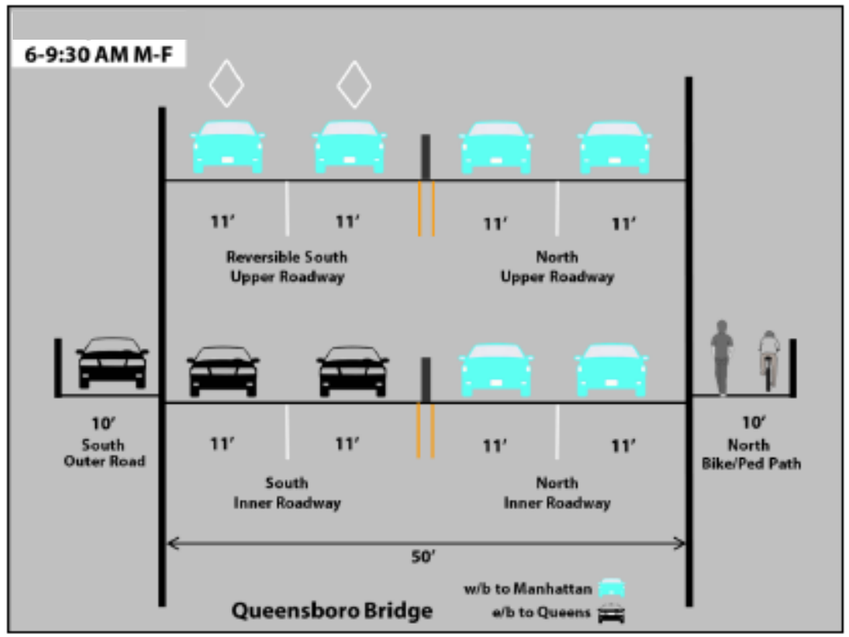
QBB SOR Conversion Issues
Bridge Profiles

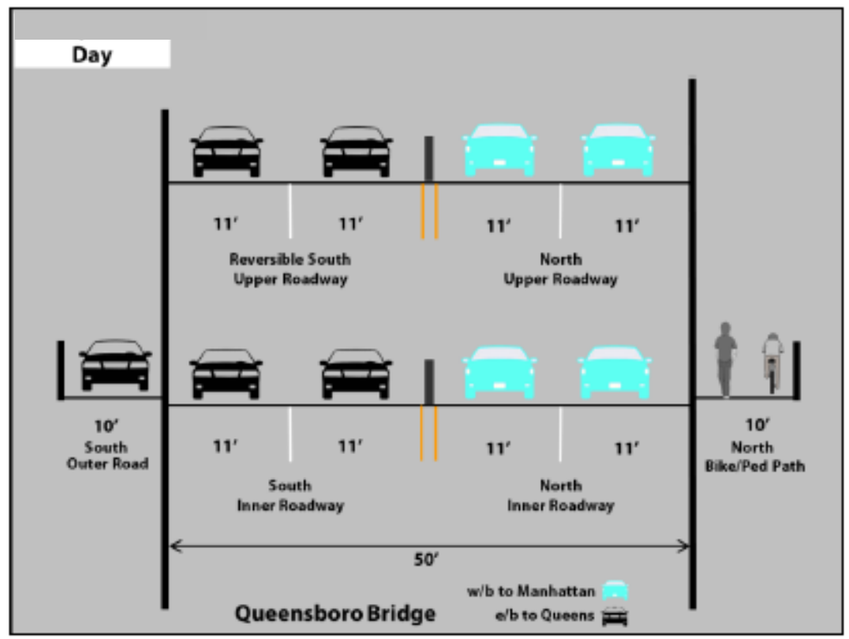
PREVIOUS CONFIGURATION

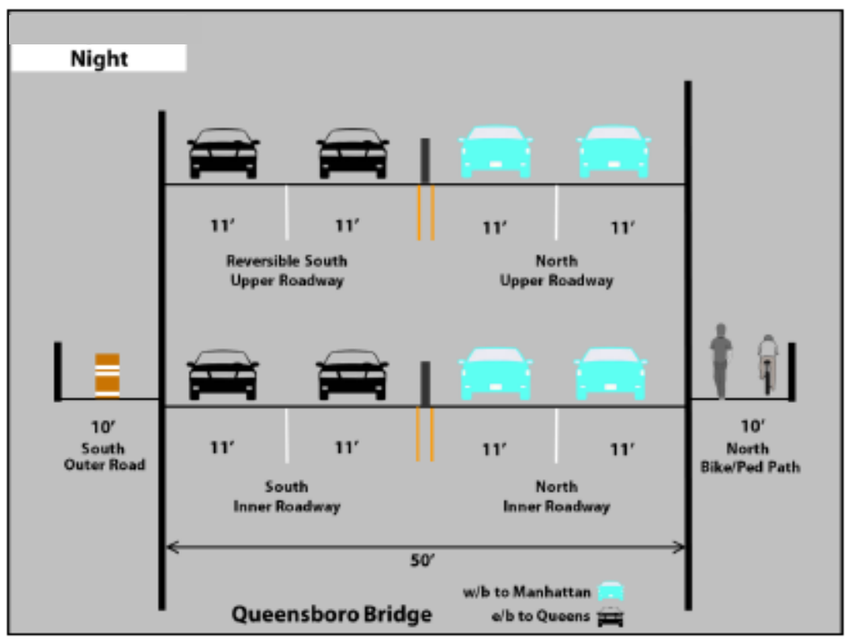




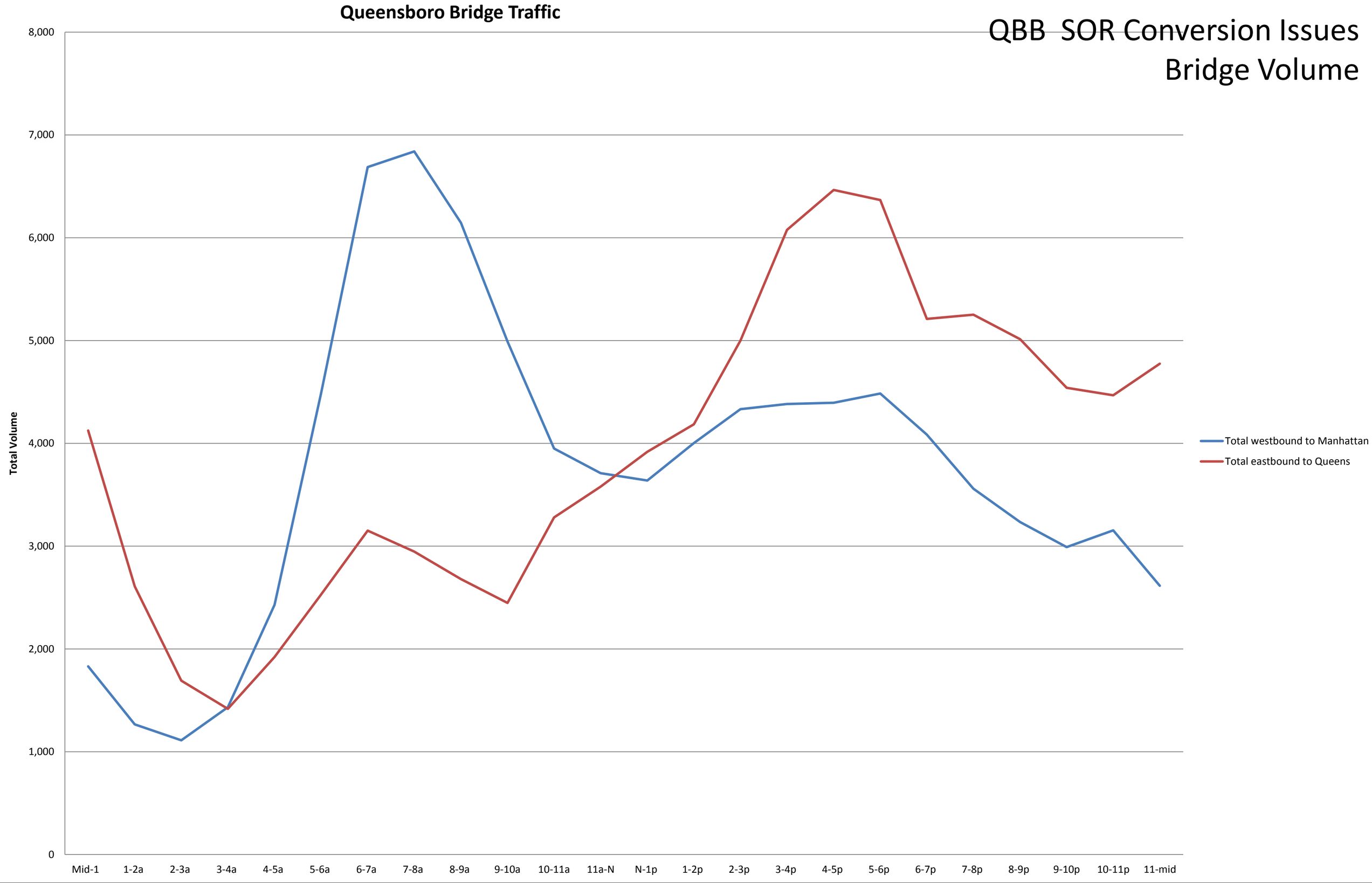
2016 EXISTING



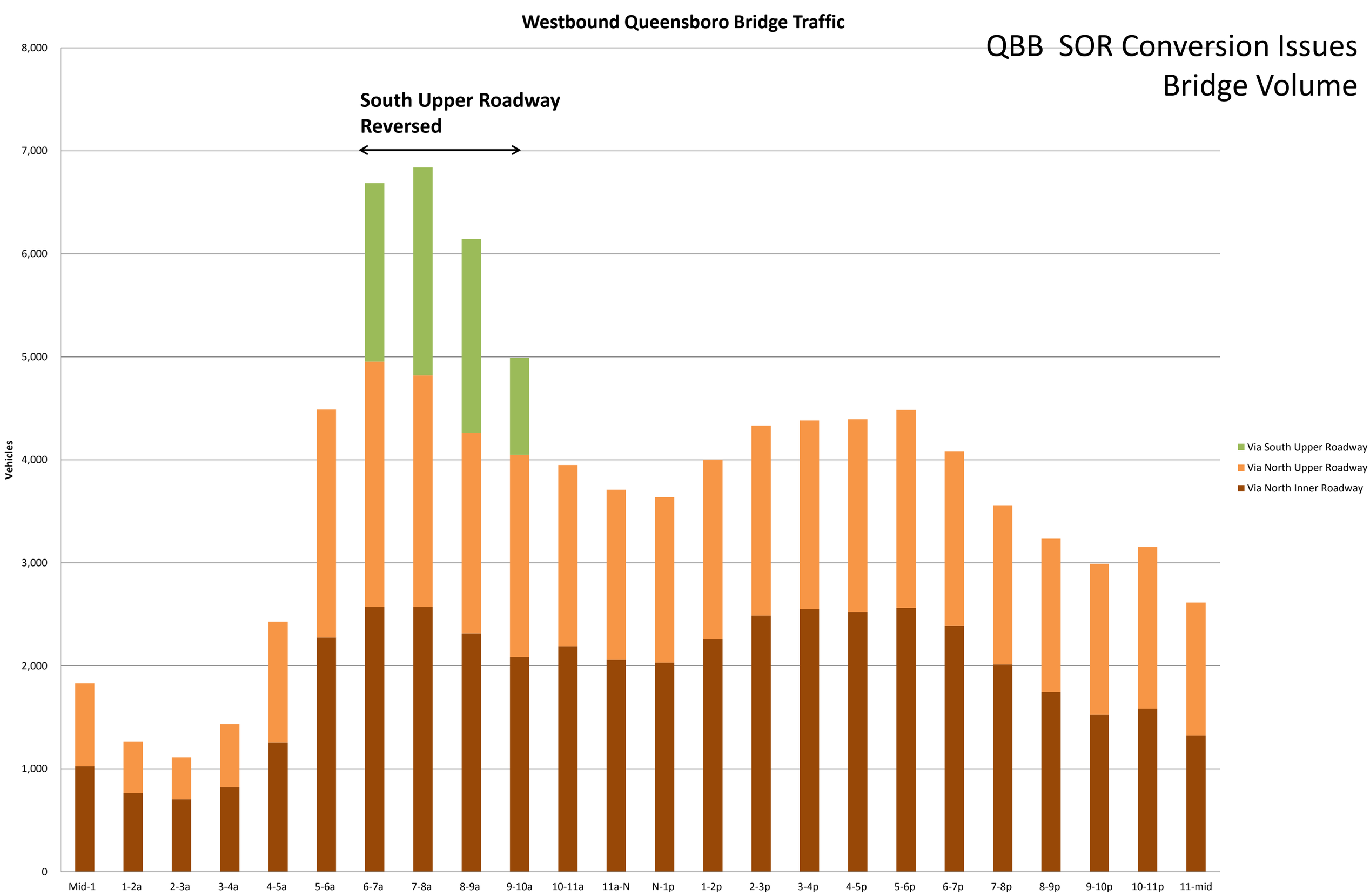




QBB SOR Conversion Issues
Bridge Volume



QBB SOR Conversion Issues
Bridge Volume



QBB SOR Conversion Issues
Bridge Volume

Eastbound Queensboro Bridge Traffic

Proposed Closure of South Outer Roadway

South Upper Roadway Reversed

Proposed Closure of South Outer Roadway

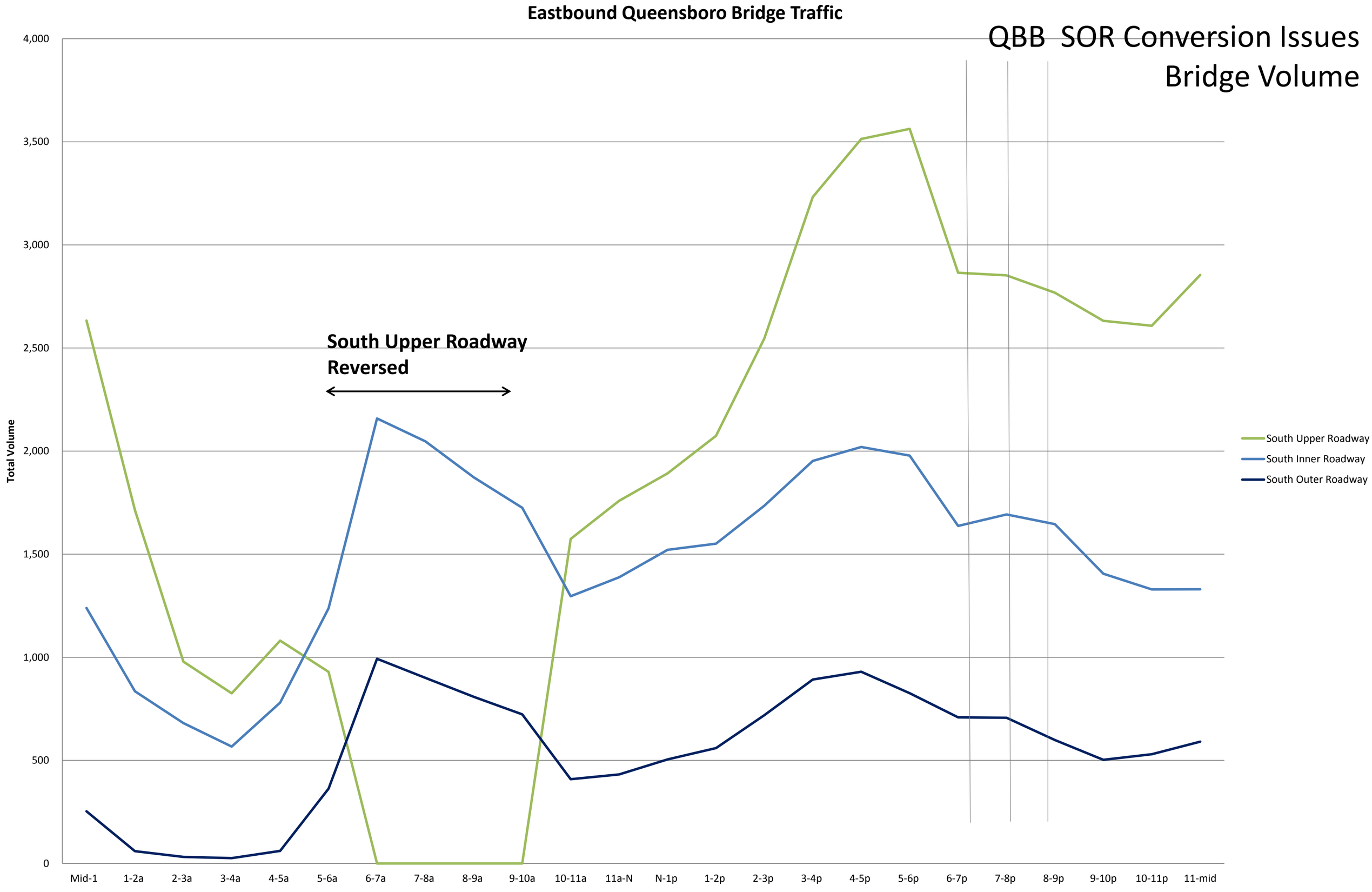
Total Volume

7,000
6,000
5,000
4,000
3,000
2,000
1,000
0

Mid-1 1-2a 2-3a 3-4a 4-5a 5-6a 6-7a 7-8a 8-9a 9-10a 10-11a 11a-N N-1p 1-2p 2-3p 3-4p 4-5p 5-6p 6-7p 7-8p 8-9p 9-10p 10-11p 11-mid

South Upper Roadway
South Inner Roadway
South Outer Roadway

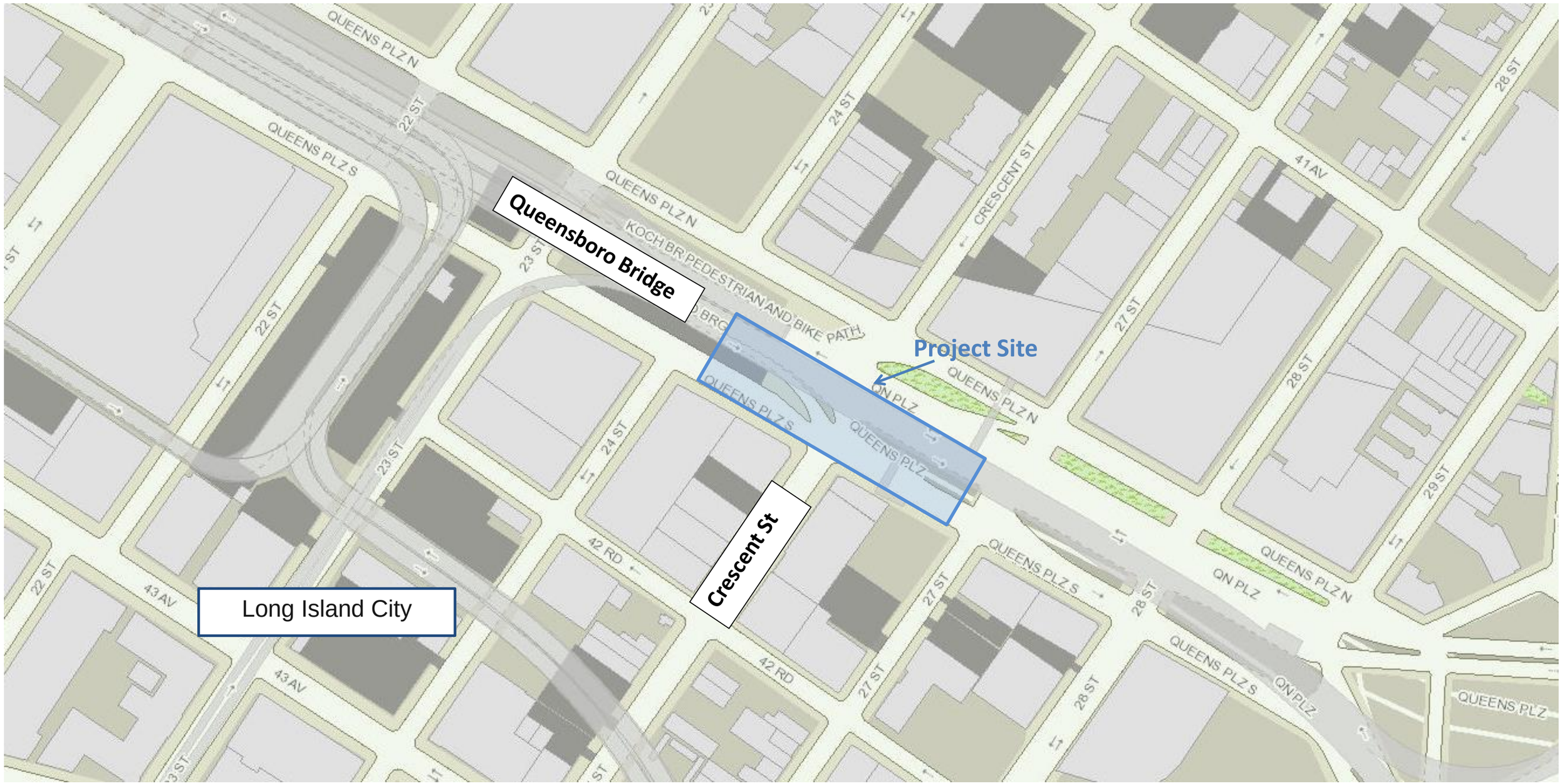
QBB SOR Conversion Issues
Bridge Volume



QBB SOR Conversion Issues
Decision Matrix

Option	Requires Barrier Removal?	Requires Bridge Capital Work?	Requires QBB Merge?
Remove Bridge Barrier btwn SOR and SIR	YES	NO	YES
Remove Bridge Barrier btwn SOR and SIR *w/upper roadway reversal*	YES	NO	YES
Rebuild e/b 59th St entrance from 2nd Ave	YES	YES	YES
Rebuild e/b 59th St entrance from 2nd Ave *w/upper roadway reversal*	YES	YES	YES
Close 1st Ave entrance full time	NO	NO	NO
Close 1st Ave entrance full time w/upper roadway reversal	NO	NO	NO

QBB SOR Conversion Issues
Queens Side



QBB SOR Conversion Issues
Queens Side

QBB SOR Conversion Issues
Queens Side

NYCDOT – Capital Street Construction Program
New Funding Needs – FY15 – Project Justification

PROJECT NAME Reconstruction of Queensboro Bridge Outer Roadway Off-Ramp Safety Improvements

FMS ID N/A

BOROUGH Queens

FUNDING REQUEST $1,000,000 in FY20

CURRENT FUNDING $0

DESIGN STARTED N

PROJECT DATA

Roadway Lane-Miles	Curb Work	Sidewalk Work	Worst Street Assessment	Average Street Assessment	High Crash Location	FEMA Flood Risk Zone	Sandy Inundated	CDBG Eligible District
0.05	Y	Y			Y	?	N?	?

PROJECT BENEFITS (based on project data & design scope)

Join Planned DEP Project	Build-Out Interim Design	State of Good Repair Improvements	Safety / Mobility Improvements	Climate Resiliency Improvements	Economic Improvements
	Y		Y		

SOURCE OF REQUEST
DOT Highway Design/Pedestrian Projects Group

PROJECT BACKGROUND & CONTEXT
Located where the Outer Roadway of the Ed Koch Queensboro Bridge touches down in Queens at approximately Crescent St, the Queensboro Bridge Outer Roadway Off-Ramp project was requested by NYC DOT Highway Design and the Pedestrian Projects Group to improve vehicle and pedestrian safety where the bridge exit ramp meets the surface road network in Queens.

In 2011, a NYCDOT project was implemented to improve vehicle safety and to clarity vehicular patterns exiting the Queensboro Bridge using temporary materials including painted markings and flexible delineators. In 2013, a second NYCDOT project was implemented to further improve vehicle safety. The project consisted of closing the outer roadway during the periods with the highest incidents of crashes. This resulted in the elimination of vehicular traffic on the Queensboro Bridge Outer Roadway during the overnight hours.