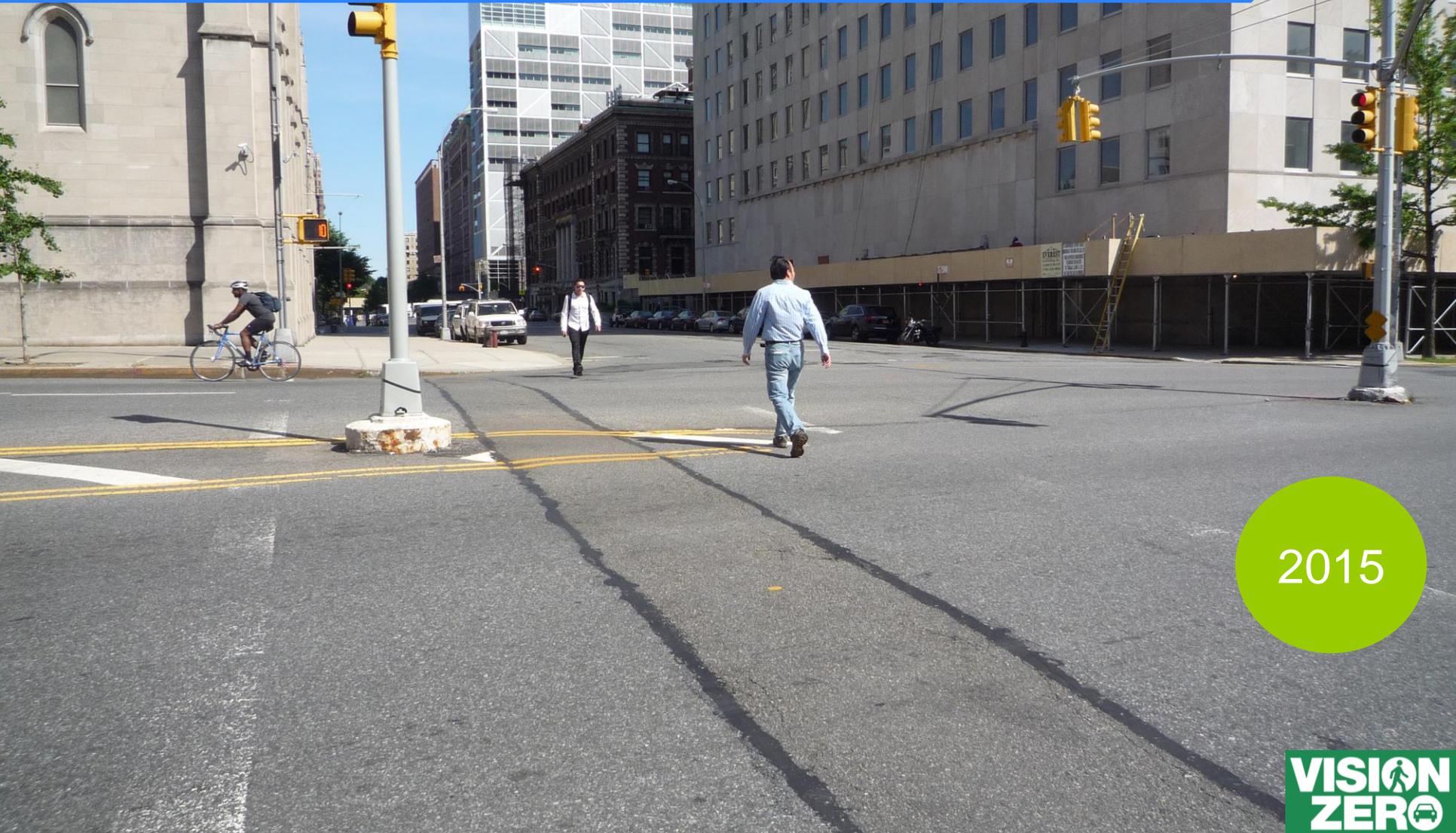
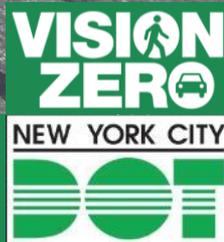


Riverside Drive 116th St to 135th St

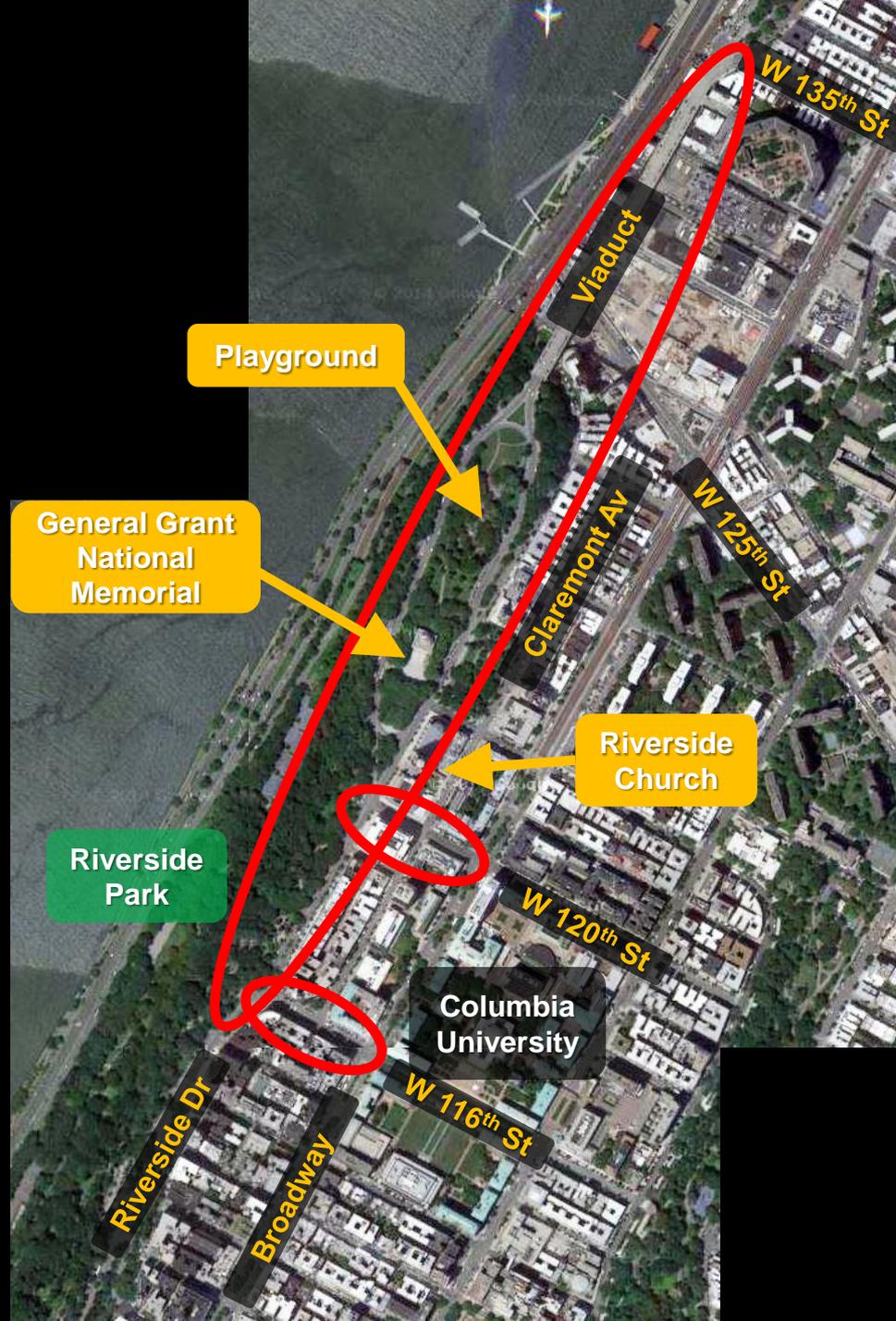
Pedestrian Network Connections and Corridor Safety Improvements



2015



Project Area



Project Background

Park and Bus Access

- Parks request to improve bus connectivity to area attractions
- Park access for neighborhood residents
- 100,000 annual visitors to Grants Tomb

Safety

- Community request to normalize SE corner of W116th St and Riverside Dr
- High Crash Corridor, ranking in the top third of Manhattan corridors



Riverside Dr - 116th St to 135th St, MN

Injury Summary, 2009-2013 (5 Years)

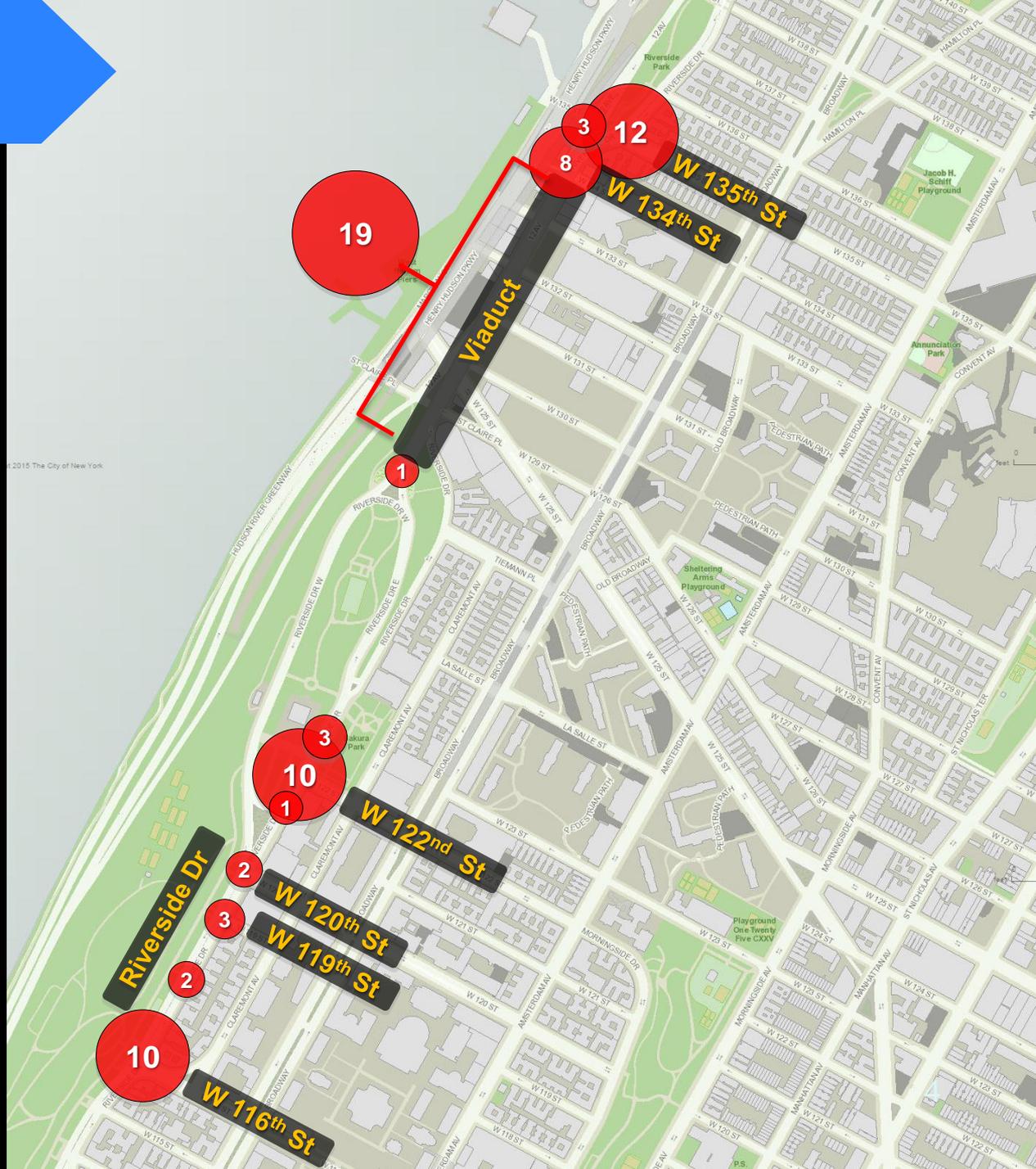
| | Total Injuries | Severe Injuries | Fatalities | KSI |
|------------------------|----------------|-----------------|------------|-----|
| Pedestrian | 1 | 0 | 0 | 0 |
| Bicyclist | 8 | 0 | 0 | 0 |
| Motor Vehicle Occupant | 65 | 23 | 0 | 23 |
| Total | 74 | 23 | 0 | 23 |

Fatalities, 01/01/2009-1/26/2015 : None

Source: Fatalities: NYCDOT
Injuries: NYSDOT
KSI: Persons Killed or
Severely Injured

Injuries

By location 2009-2013



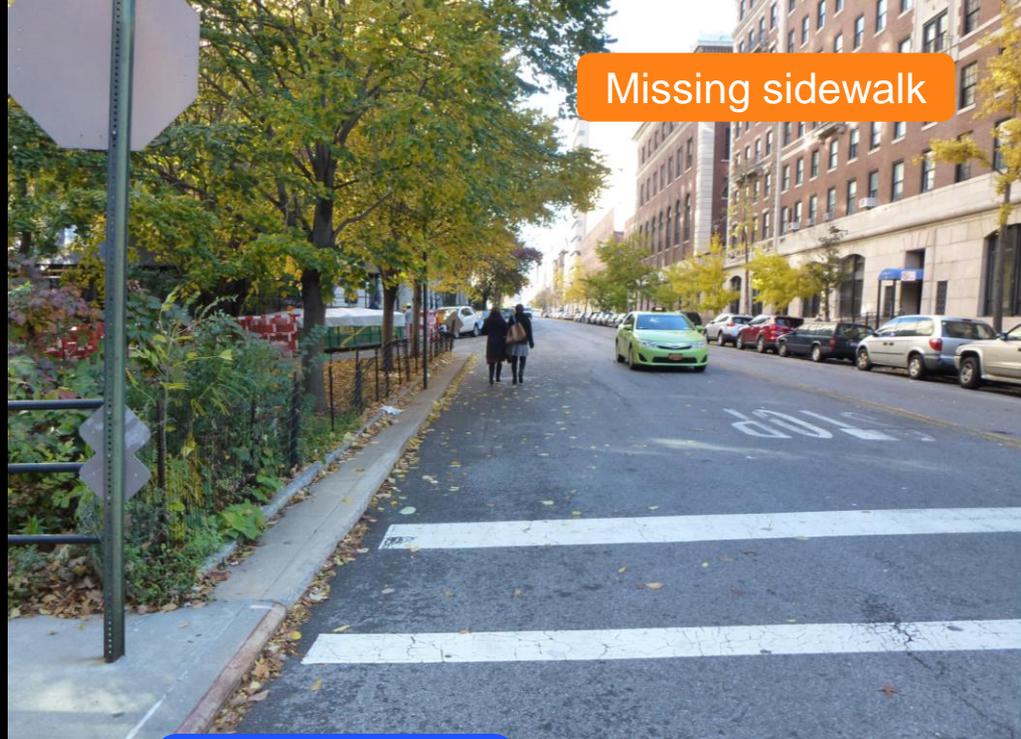
© 2015 The City of New York

Proposal

W116th St



Atypical extra large radius on SE corner



Missing sidewalk

Normalize SE corner of W116th St and Riverside Dr

Add sidewalk to Claremont Triangle



Wide parking lanes

One lane in each direction with islands/flush median

Proposed

Proposal

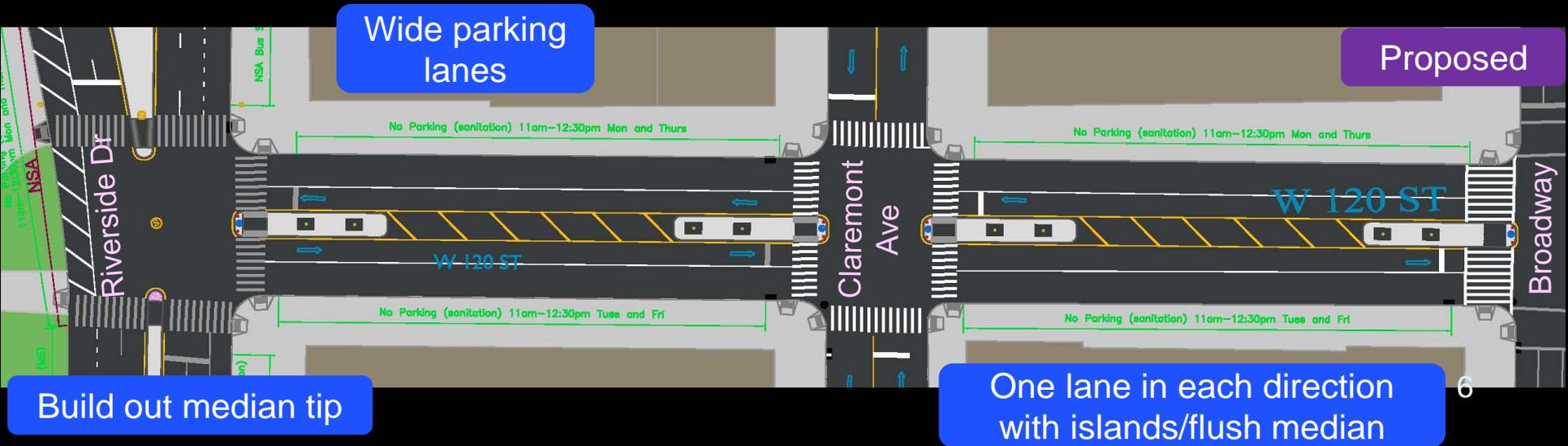
W120th St



Low vehicular volumes

Wide roadbed

Looking east from Riverside Dr.



Wide parking lanes

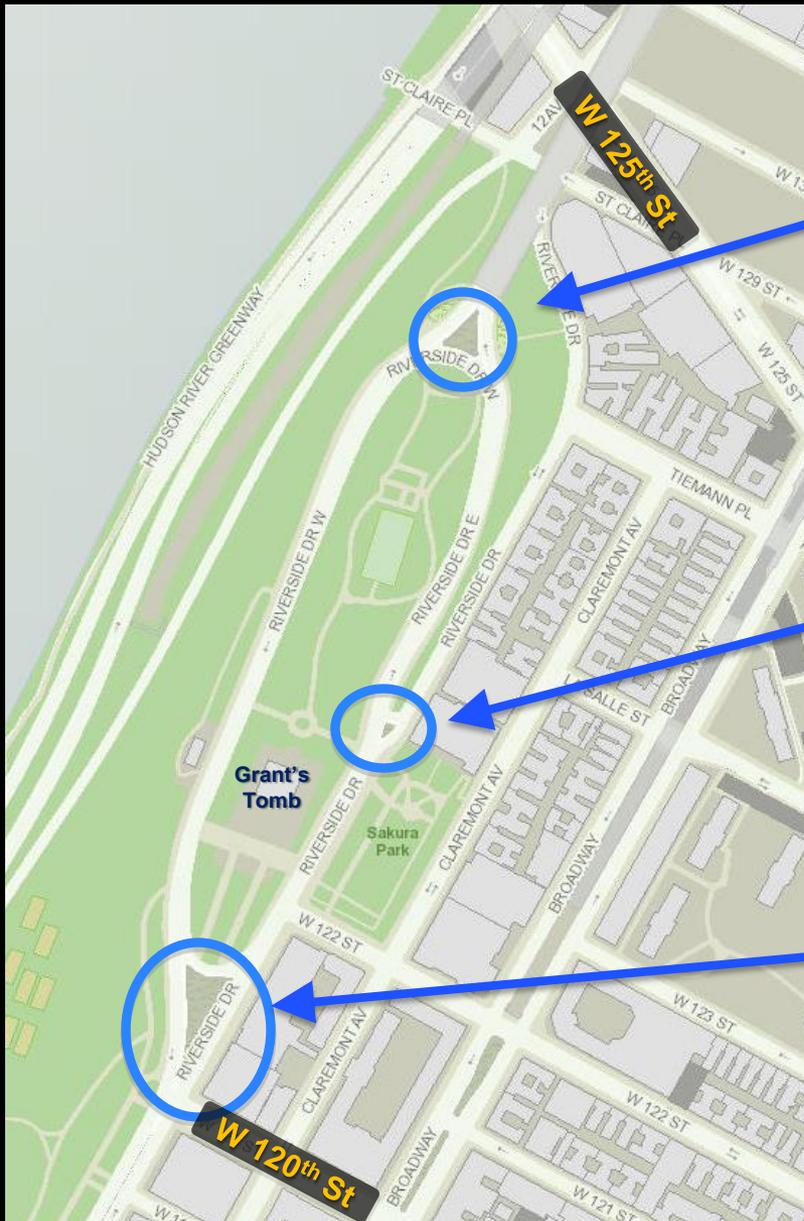
Proposed

Build out median tip

One lane in each direction with islands/flush median

Proposal

Riverside Dr Triangles at Grant's Tomb



North triangle:
Add sidewalks and refuge to triangle

Northbound split:
Add sidewalks and crosswalks

South triangle:
Add sidewalk and crosswalks,
build out median south to 120th

Proposal

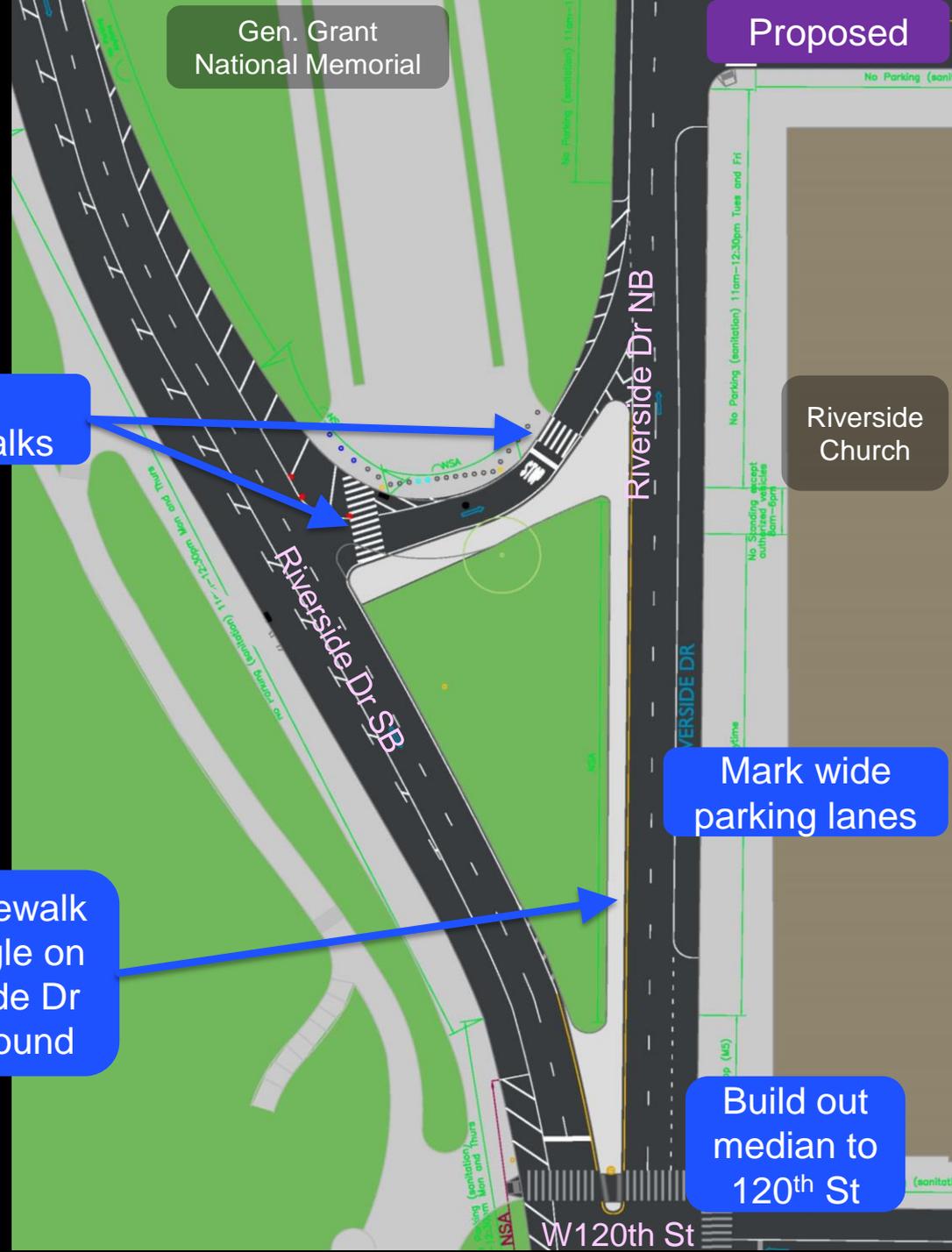
South Triangle



Add crosswalks



Add sidewalk to triangle on Riverside Dr Northbound



Gen. Grant National Memorial

Proposed

Riverside Church

Mark wide parking lanes

Build out median to 120th St

Proposal

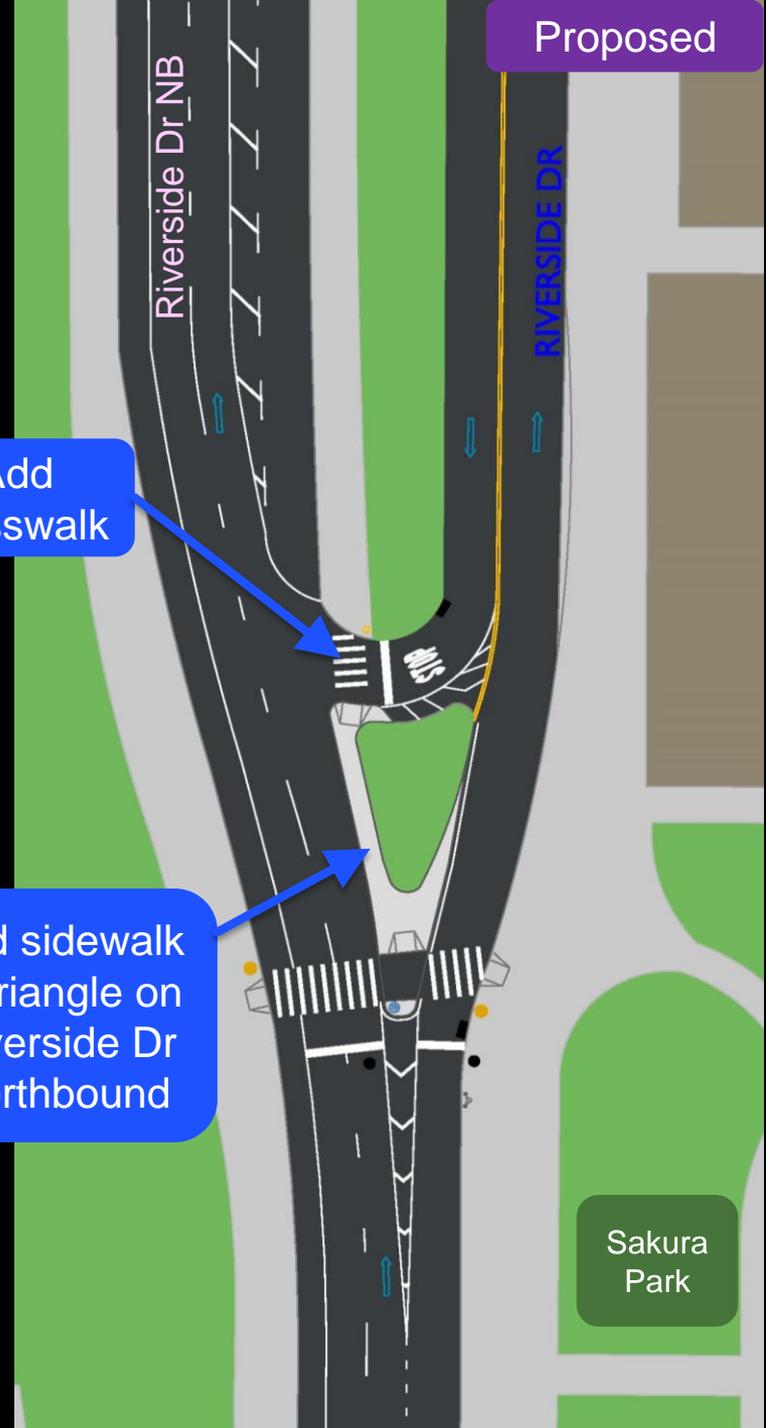
Northbound Split



Add crosswalk



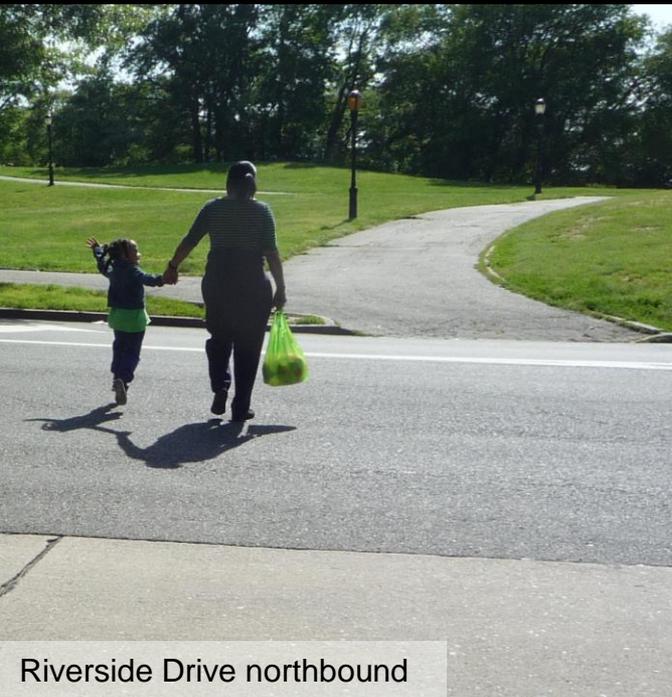
Add sidewalk to triangle on Riverside Dr Northbound



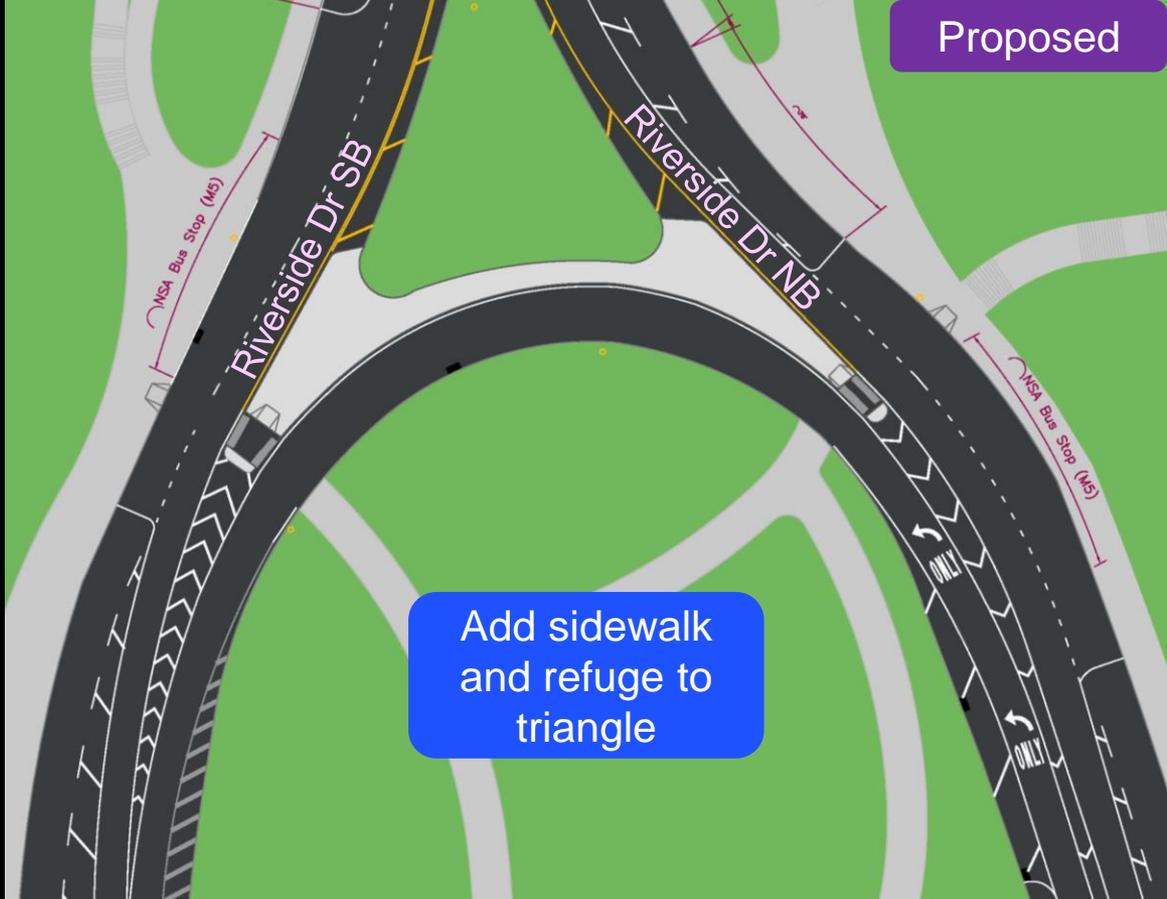
Proposed

Proposal

North Triangle



Riverside Drive northbound



Proposed

Add sidewalk and refuge to triangle



Riverside Drive southbound



Riverside Drive southbound

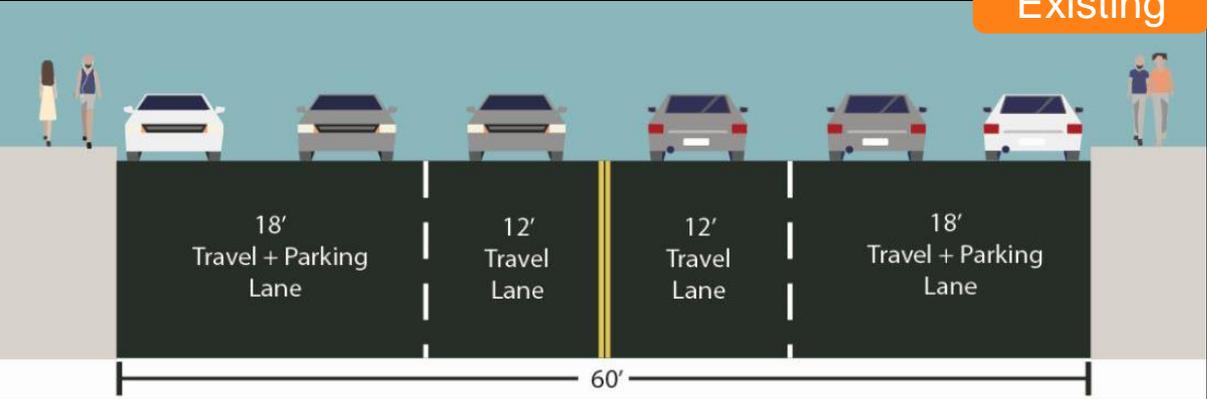
Proposal

Riverside Dr Viaduct

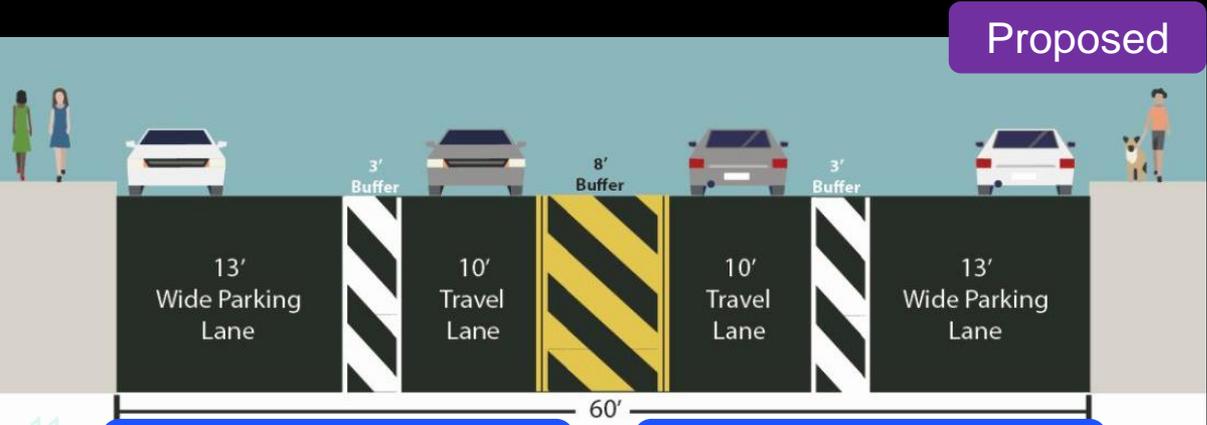


1 MINUTE TL CAM MAR.12,15 05:00 PM

Existing



Proposed



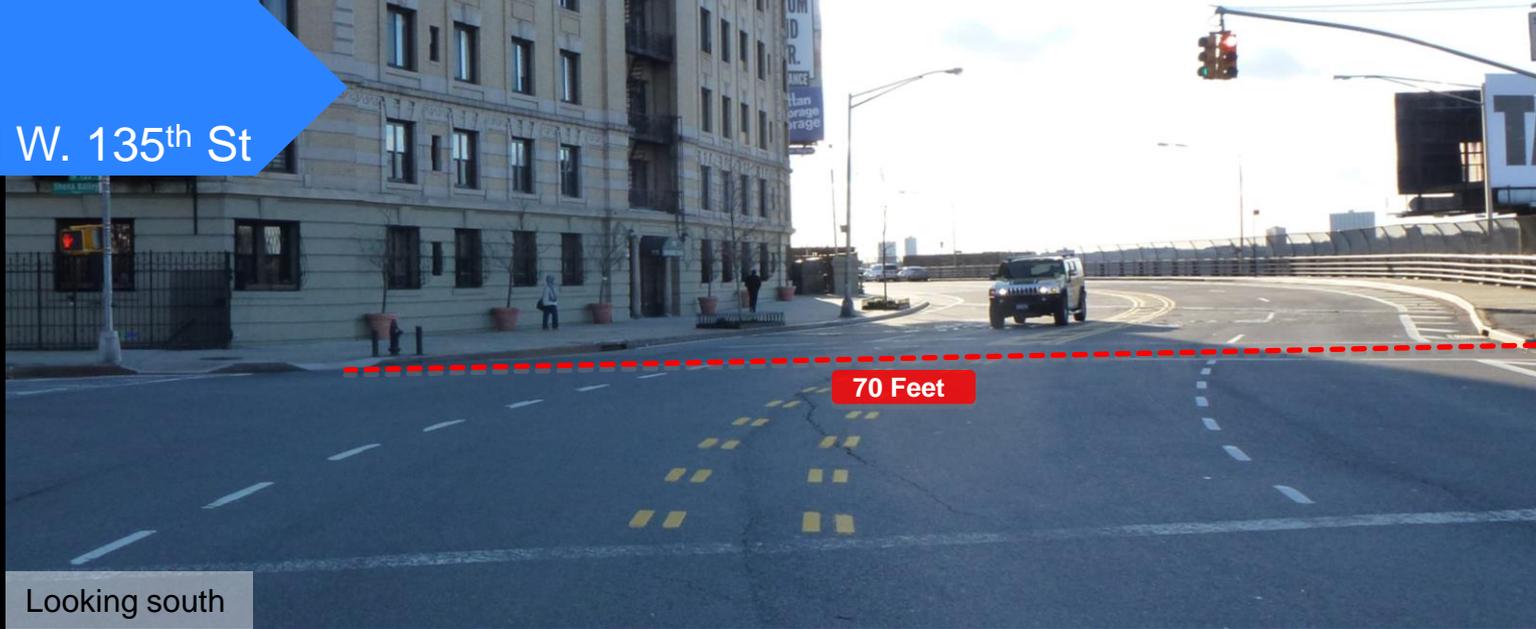
Reduce speed limit to 25 mph

Reduce moving lanes to one per direction

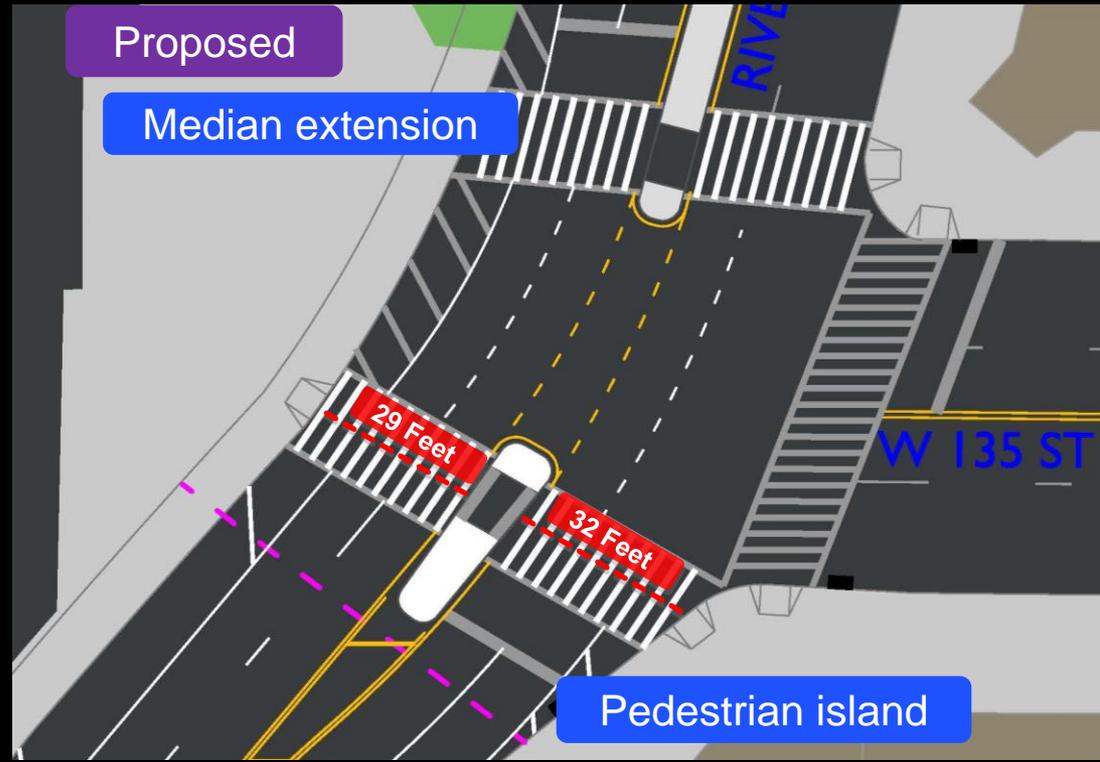
Mark wide parking lanes

Proposal

Riverside Dr and W. 135th St



Looking south



Data

Riverside Dr Viaduct

Thurs,
3/12/15
4-7pm



#WINGSCAPES 1 MINUTE TL CAM MAR.12,15 04:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.12,15 04:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.12,15 05:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.12,15 05:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.12,15 06:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.12,15 06:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.12,15 06:59 PM

Data

Riverside Dr Viaduct

Fri,
3/13/15
4-7pm



#WINGSCAPES 1 MINUTE TL CAM MAR.13,15 04:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.13,15 04:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.13,15 05:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.13,15 05:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.13,15 06:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.13,15 06:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.13,15 06:59 PM

Data

Riverside Dr Viaduct

Sat,
3/14/15
4-7pm



#WINGSCAPES 1 MINUTE TL CAM MAR.14,15 04:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.14,15 04:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.14,15 05:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.14,15 05:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.14,15 06:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.14,15 06:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.14,15 06:59 PM

Data

Riverside Dr Viaduct

Sun,
3/15/15
4-7pm



#WINGSCAPES 1 MINUTE TL CAM MAR.15,15 04:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.15,15 04:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.15,15 05:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.15,15 05:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.15,15 06:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.15,15 06:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.15,15 06:59 PM

Data

Riverside Dr Viaduct

Mon,
3/16/15
4-7pm



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#WINGSCAPES 1 MINUTE TL CAM MAR.16,15 04:30 PM



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#WINGSCAPES 1 MINUTE TL CAM MAR.16,15 05:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.16,15 06:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.16,15 06:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.16,15 06:59 PM

Data

Riverside Dr Viaduct

Tues,
3/17/15
4-7pm



#WINGSCAPES 1 MINUTE TL CAM MAR.17,15 04:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.17,15 04:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.17,15 05:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.17,15 05:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.17,15 06:00 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.17,15 06:30 PM



#WINGSCAPES 1 MINUTE TL CAM MAR.17,15 06:59 PM

Data

Riverside Dr Viaduct

PM Congestion on Viaduct based on traffic camera data

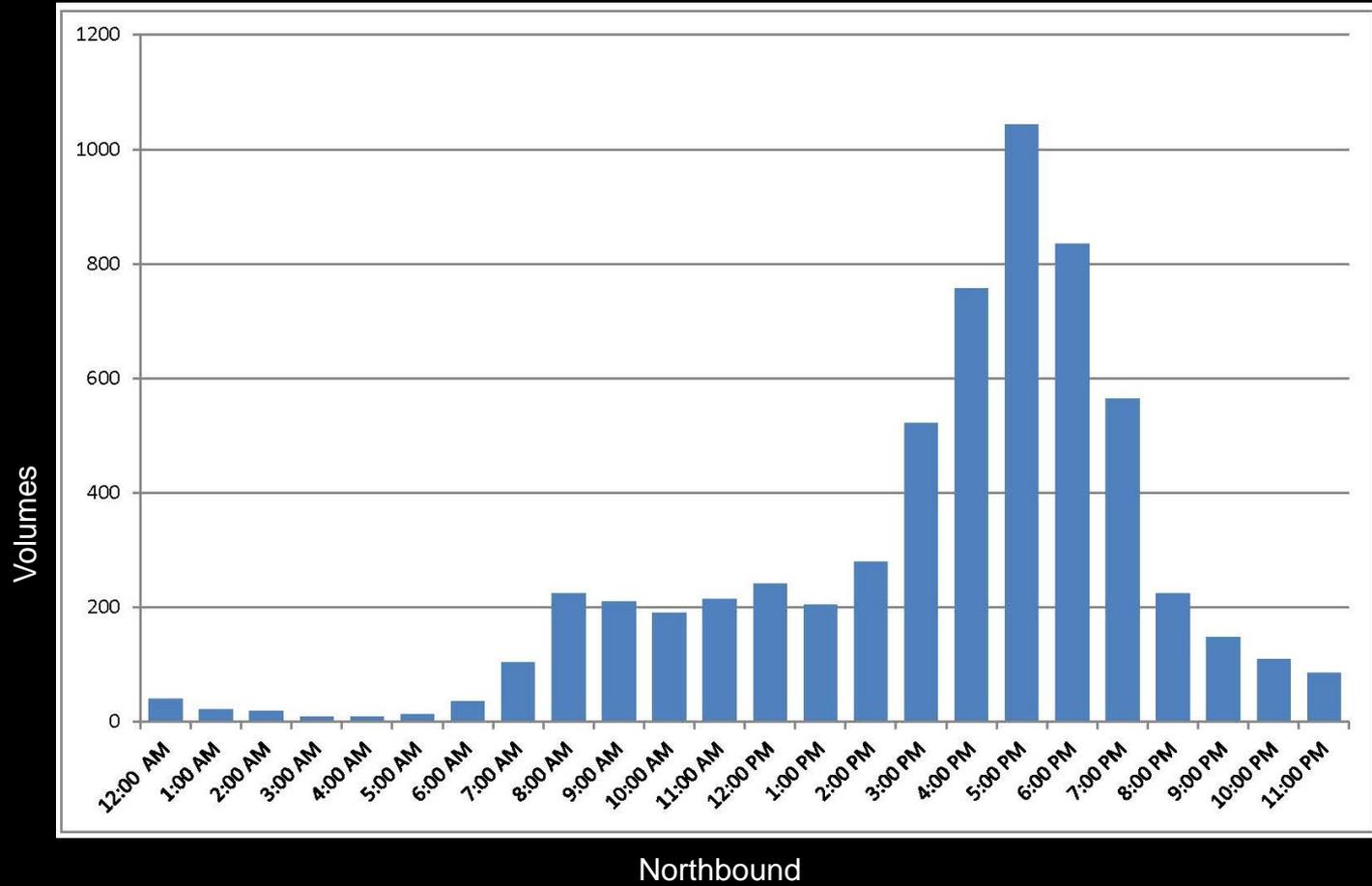
| | Thurs, 3/12/15 | Fri, 3/13/15 | Sat, 3/14/15 | Sun, 3/15/15 | Mon, 3/16/15 | Tues, 3/17/15 |
|--------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 4:00PM | Free flowing traffic | Congestion | Free flowing traffic | Free flowing traffic | Free flowing traffic | Free flowing traffic |
| 4:30PM | Free flowing traffic | Congestion | Free flowing traffic | Free flowing traffic | Free flowing traffic | Free flowing traffic |
| 5:00PM | Free flowing traffic |
| 5:30PM | Free flowing traffic |
| 6:00PM | Free flowing traffic |
| 6:30PM | Free flowing traffic |
| 7:00PM | Free flowing traffic |

Key

- Free flowing traffic
- Congestion

Data

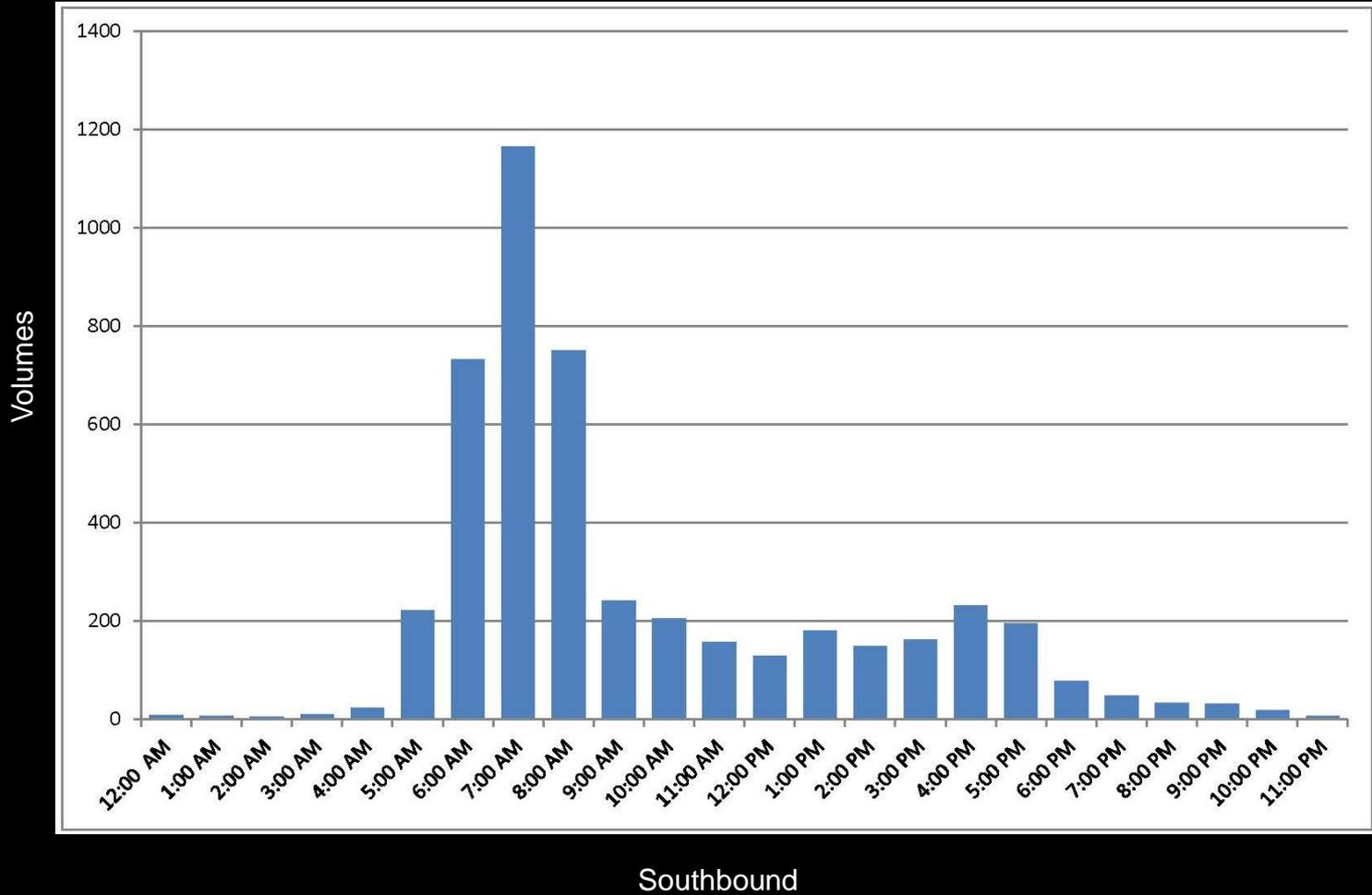
Riverside Dr Viaduct



*ATR Counts taken 2/24/15 to 3/3/15
Midweek averages only

Data

Riverside Dr Viaduct



*ATR Counts taken 2/24/15 to 3/3/15
Midweek averages only

Summary

116th St

- Normalize SE corner at Riverside Dr
- Extend median tips on Riverside Dr
- Remove a lane in each direction and construct green pedestrian safety islands
- Construct sidewalks at Claremont Ave triangle

120th St

- Remove a lane in each direction and construct green pedestrian safety islands
- Extend median tip on Riverside Dr

Grant's Tomb Triangles

- Construct sidewalks at Grant's Tomb north and south island slip roads, Riverside Dr NB split at Sakura Park
- Mark crosswalks at southern slip road and Riverside Dr NB split at Sakura Park

Viaduct

- Remove a lane in each direction and install wide parking lanes and painted median
- Construct green pedestrian safety island and extended median tip at W. 135th St



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Thank
You