BACKGROUND

- Third Avenue Bridge off-ramp
- Pedestrian bridge connection to Harlem River Park
  - Deteriorating beyond repair
- Adjacent to PS 030 Hernandez/Hughes, PS 138, Success Academy Harlem, Kings Academy
  - Met with schools in 2019 to discuss bridge
- Bx15 on Third Avenue Bridge and E 128th St
- Eastbound bike route on E 128th St
Existing Conditions
EXISTING CONDITIONS

- Challenging merge
- Remediation treatment (concrete barriers) installed to prevent additional bridge strikes to the center column since 2015
- Bridge deterioration:
  - Frequent truck strikes damaging the bridge
  - Pedestrian bridge is beyond repair and the intersection presents dangerous conditions
  - Cost-benefit analysis demonstrated that street redesign is more effective use of funding than new bridge construction for short- and long-term benefits
Pedestrian bridges with route alternatives are underutilized based on data and observations

- Safer to be on street level instead of isolation on the bridge
- Pedestrians prefer not to change elevations
- Flat and smooth is the easiest
 USAGE OF PEDESTRIAN BRIDGE VS CROSSWALK

PS 5 Pedestrian Bridge
10th Ave (near Dyckman St) in Inwood

- The majority of pedestrians are using the crosswalk
- 400% (AM peak) and 280% (PM peak) more students used crosswalk.
EXISTING CONDITIONS

- Bridge also creates longer crossing distances than a typical intersection
- Pedestrians avoid using the bridge to shorten crossing distance; put themselves in danger
- Bridge is not ADA-compliant

Crossing distance with vs without pedestrian bridge

Harlem River Park

PS 030, PS 138 and Harlem Success Academy

The King’s Academy

- Pedestrian Bridge Crossing Distance
- Street Crossing Distance
SAFETY ISSUES

- Pedestrians’ avoidance of bridge is reflected in injury data

3rd Ave and E 128th St, Manhattan
Injury Summary, 2016-2020 (5 years)

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
<th>KSI</th>
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<tr>
<td>Pedestrian</td>
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<td>2</td>
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<tr>
<td>Bicyclists</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Motor Vehicle Occupant</td>
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<td>2</td>
<td>0</td>
<td>2</td>
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<tr>
<td>Total</td>
<td>36</td>
<td>4</td>
<td>0</td>
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Proposed Plan
PROPOSED PLAN

Existing

Proposed

Harlem River Park

Harlem River Park

PS 030, PS 138 and Harlem Success Academy

PS 030, PS 138 and Harlem Success Academy

The King's Academy

The King's Academy
PROPOSED PLAN

Remove bridge and relocate all modes to street level
PROPOSED PLAN

New traffic signal at entire intersection(s)
PROPOSED PLAN

Redesign intersection geometry

- Install four concrete sidewalk extensions
PROPOSED PLAN

Redesign intersection geometry

- Install two new crosswalks
- Shorten existing crosswalks
PROPOSED PLAN

Add and improve bike facilities

- Two way protected off-street bike lanes (3rd Ave)
- Off-street shared connection across 3rd Ave intersection
- Relocate 128th St bike lane to north curb

Example of off-street bike lane
PROPOSED PLAN

Improve Parking

- Reconfigure parking between E127th and E128th Streets to back-in angled parking

- Adds net 15 parking spots (original 16 and proposed 31 parking spaces)
BENEFITS

• Remove bridge for standard, signalized intersection
• Increase ease of use by locating all modes at street level
• Safer, shorter pedestrian crossing and accessibility
• Reduces speeding/calms traffic
• Safe, convenient cycling routes connecting to 3rd Avenue
East 128th Street Ped Bridge Removal and Safety Improvements
Project ID: HBMA24662
Funding: $12.5M in city funding

Design Start: June 2020
Design Completion: March 2025
Construction Start: February 2026
Construction Completion: February 2028
THANK YOU!

Questions?
Sept. 2017
AM/MD/PM
TMC DATA