East 161 Street, Grand Concourse

Connections between Macombs Dam Br and Grand Concourse

March 2021
Background
Project Area

- **Vision Zero Priority Corridors**
  - Limited Bike Network
  - No bicycle connection to Macombs Dam Br, Gerard Ave, Walton Ave and Grand Concourse
  - Growing number of cyclists despite limited bike infrastructure
Crash Statistics

E 161 St, Macombs Dam Br to Grand Concourse is a Vision Zero Priority Corridor

E 161st St, Macombs Dam Br to Grand Concourse
Injury Summary, 2014-2018 (5 years)

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
<th>KSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>30</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Bicyclists</td>
<td>13</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>187</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>230</td>
<td>8</td>
<td>0</td>
<td>8</td>
</tr>
</tbody>
</table>

Fatalities, 01/01/2014 – 01/30/2021: None

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

Grand Concourse, E 165 St to E 161 St
Injury Summary, 2014-2018 (5 years)

<table>
<thead>
<tr>
<th></th>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
<th>KSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>20</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Bicyclists</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>111</td>
<td>9</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>Total</td>
<td>137</td>
<td>13</td>
<td>0</td>
<td>13</td>
</tr>
</tbody>
</table>

Fatalities, 01/01/2014 – 01/30/2021: None

21 people have been severely injured along approximately ¾ of a mile
Proposal
Existing Conditions
E 161 St, Macombs Dam Br to Yankee Stadium

- **Vision Zero Priority Corridor**
- No marked bike connection to/from Macombs Dam Br (and Manhattan)
- Limited access to commercial and recreational destinations
- 387 cyclists in a 12-hour period (7am-7pm)
Proposed Design
E 161 St, Macombs Dam Br to Yankee Stadium

- Increases predictability of cyclists’ location in roadway
- Alerts motorists to the presence of cyclists
Proposed Design Elements
E 161 St, Macombs Dam Br to Yankee Stadium

- Provides wayfinding for cyclists traveling to/from Macombs Dam Br
Existing Conditions
E 161 St, Yankee Stadium to Grand Concourse

• **Vision Zero Priority Corridor**
• No dedicated space for cyclists in the roadway
• Limited access to commercial and recreational destinations
• Wide travel lanes encourage speeding and other unsafe behavior
Proposed Design
E 161 St, Yankee Stadium to Grand Concourse

- Provides dedicated space for cyclists that is separated from moving vehicles
- No vehicular conflicts due to existing turn restrictions
- Standard width travel lanes organizes the roadway; discourage speeding
- No parking loss; no impact on number of travel lanes
Proposed Design Elements

E 161 St, Yankee Stadium to Grand Concourse

- Establishes **bike connection** between MN and BX through Macombs Dam Br
- Connection to bike facilities on Grand Concourse
- Provides safer, convenient, bike access to commercial and recreational destinations
Existing Conditions
Grand Concourse, E 165 St to E 161 St

- **Vision Zero Priority Corridor**
- Southbound cyclists are forced to change sides of the street after E 165 St
- Requests to upgrade Grand Concourse bike lanes to protected bike lanes
Proposed Design

Southbound Grand Concourse, E 165 St to E 161 St

Grand Concourse: 161 St to 162 St, 163 St and 164 St

- Upgrade conventional bike lane to protected bike lane where there is room
- Keep bike lane consistently on east side of southbound service road
- Improve bike connection to E 161 St and Macombs Dam Br
- Requires repurposing 5 parking spaces to improve visibility at intersections
Summary
Proposed
Summary of Benefits

• Improve bridge access

• Improve access to existing bike facilities

• Improve bike access to commercial and commercial destinations

• Build on previous Vision Zero safety improvements
Thank You!

Questions?