Project Extent

Multiple elementary + secondary schools including High Schools of Music + Science

Lehman College

Northern gateway to the Grand Concourse

Moshulu Pkwy
# 4 subway

Montefiore Medical Center

Norwood

East Coast Greenway

Bedford Park

Bedford Park
B, D subway
Grand Concourse
Changes Character

Peak hour vehicle volumes

Project Area

- 485 on main line
- 535 on SB service road
- 214 on NB service road
- 800 on service road
- 1250 on main line
- 407 on service road
Background Issues

• Long crosswalks
• Gaps in pedestrian network
• Wide roads induce speeding and unpredictable driver behavior
• Irregular bus movements

Crash Data 2006-2010

Entire Project Area

Grand Concourse: E. 206th to Moshulu Pkwy
Van Cortlandt: Jerome to E. Moshulu Pkwy S.
E. Moshulu Pkwy S.: Jerome to Van Cortlandt
Risse Street: Jerome to Grand Concourse

• Pedestrian injuries: 15
• Bicyclist injuries: 4
• Motor vehicle occupant injuries: 113
Grand Concourse at Van Cortlandt
Existing Conditions

Risse Street

Van Cortlandt Ave

View North
Grand Concourse at Van Cortlandt
Existing Conditions

Overly long crossings
Pedestrian walk in road from Risse St Park
Grand Concourse at Van Cortlandt
Proposed Conditions

- Extend medians to shorten crossing segments
- Connect Risse St Park to crosswalk
- Add new conflict-free crosswalk by banning SB left
Wide road induces speeding

Too many travel lanes for low vehicle volumes
Grand Concourse at Van Cortlandt

Proposed Conditions

Match travel lanes to volume

Reduce number of lanes on both main line and service road

Add parking on SB service road median
Grand Concourse at Van Cortlandt
Existing Conditions

Confusing merge
SB Risse and Service Road move at same time
Grand Concourse at Van Cortlandt

Proposed Conditions

- Redesign merge
- New island and markings clarify merge
- Investigating signal separation
North of Van Cortlandt
Existing Conditions
North of Van Cortlandt
Existing Conditions

Long Crosswalk
North of Van Cortlandt
Proposed Conditions

Extend medians to shorten crossing segments

Add new conflict-free crosswalk by creating local only service road
North of Van Cortlandt
Existing Conditions

Irregular bus movement

Buses forced to turn across 5 lanes of traffic
Create new bus stop plaza on main line

Bus switches to main line at E 206th Street Slip

Buses turn with regular traffic
North of Van Cortlandt
Proposed Conditions
Grand Concourse at Mosholu
Existing Conditions

View SEast

Mosholu Parkway
Grand Concourse at Mosholu
Existing Conditions

Gaps in ped network
Missing sidewalk
Peds walk in roadway
Grand Concourse at Mosholu
Proposed Conditions

- Build new sidewalk connection
- Close slip road to connect park with colored roadbed treatment
- Add granite blocks for seating
- All traffic uses main line to get to Mosholu Parkway

Low slip road vehicle volumes
PM Peak of 87 vehicles per hour
Grand Concourse at Mosholu

Existing Conditions

Long crosswalks

Path to Norwood
Grand Concourse at Mosholu
Proposed Conditions

- New landscaped pedestrian safety islands
- Extended Greenstreet
- Connected park
Grand Concourse at Mosholu
Proposed Conditions
South of Van Cortlandt

Existing Conditions
South of Van Cortlandt

Existing Conditions

Excess NB travel lanes

Long crosswalks

St. George is used as cut-through
South of Van Cortlandt

Proposed Conditions

- Travel lanes match vehicle volume
- Shorter crosswalks
- St. George is local access only
Bicycle facility stops two blocks short of Mosholu Park Bike Path

Van Cortlandt is on bicycle master plan
Grand Concourse Bicycle Connection
Proposed Conditions

Two-way bicycle connection on NB service road

Connection via new shared sidewalk and safety island
Van Cortlandt Avenue
Jerome to Mosholu Parkway

**EXISTING**

South Sidewalk

- 19’ Combined Parking/Moving Lane
- 11’ Moving Lane
- 11’ Moving Lane
- 19’ Combined Parking/Moving Lane

North Sidewalk

- 60’

**PROPOSED**

South Sidewalk

- 9’ Parking/Loading Lane
- 5’ Moving Lane
- 11’ Moving Lane
- 10’ Flush Median/Turn Lane
- 11’ Moving Lane
- 5’ Parking Lane

North Sidewalk

- 60’

Existing
View East

Jerome Ave
Van Cortlandt Ave
Improvements for Grand Concourse Mosholu Parkway to E. 205th Street:

1. Match travel lanes to volume
2. Shorten crosswalks
3. Extend and landscape medians
4. Construct new sidewalks and sidewalk extensions
5. Close northbound right onto Mosholu slip road to simplify intersection + provide safe pedestrian crossing
6. Create new bus stop boarding plaza and new safe bus route
7. Add parking
8. Complete bicycle connection to Mosholu Parkway Bike Path