E. Tremont Ave at Silver St

Commissioner Janette Sadik-Khan  New York City Department of Transportation
Presented on 11/12/13  at Community Board 10
Background

- Community request for LT signal and safety improvements at Silver Street
- Association of Merchants & Business Professionals of Westchester Sq. Inc.
- 70’ wide, two lanes in each direction
- 25,000 daily bus riders on Bx40 and Bx42 buses
- Community request for LT signal and safety improvements at Silver Street
Existing Issues

- Very wide, undefined lanes and parking lanes
- Long diagonal crosswalks
- Lack of crosswalks at certain locations
- High speeds: 85% of vehicles above the limit
- Long left turn queues at Silver St
Safety Data

- **Motor Vehicle Occupant Injuries 2007-2011**
  - Total: 149

- **Pedestrian Injuries 2007-2011**
  - Total: 30

- **Bicyclist Injuries 2007-2011**
  - Total: 4

Source: NYS Dept. of Transportation
Proposed

1. Bronxdale Ave to Montgomery Pl
2. Overing St to Maclay Ave
3. St. Raymond’s Ave

Proposal Presentation Sections
Proposed

Bronxdale Ave to Montgomery Pl

Current lanes are undefined and oversized
Proposed

Wide parking lanes allows flexibility

Bronxdale Ave to Montgomery Pl

Narrowing moving lanes calms traffic

E. Tremont Ave

Designated moving/parking lanes clarifies movements

New turn lane will improve traffic processing
Overing St to Maclay Ave
Proposed

Sidewalk extensions normalizes intersection

Create two intersections at Overing/Silver Streets

New pedestrian safety islands

Overing St to Maclay Ave

E. Tremont Ave
Shorten Crossing Distances

Existing
Shorten Crossing Distances

3 new crosswalks
Signal Phasing

Existing Turning Conflict

Proposed Turning Phase

Left turning vehicles wait for gap in cars and pedestrians

Left turning phase will remove conflicts and move vehicles through intersection with less delay
Proposed Signal Phasing

1. 47 Secs
   - E. Tremont Ave
   - Overing St

2. 37 Secs
   - E. Tremont Ave
   - Overing St

3. 10 Secs
   - E. Tremont Ave
   - Overing St

4. 26 Secs
   - E. Tremont Ave
   - Overing St
Proposed

Benson St & Maclay Ave

Safety island to clarify Maclay/Benson intersection

New left turn bay

E. Tremont Ave

Maclay Ave

Benson St
Proposed

- New safety island
- St. Raymond's Ave
- E. Tremont Ave
- New left turn lane
- Returns to two lanes on approach to Williamsbridge
Benefits

- Calmed traffic
- Improved traffic flow and circulation
- Increased pedestrian safety and comfort
- Enhanced walking environment
- New landscaping and neighborhood amenities added
- Clarified pedestrian crossings and vehicle travel lanes
Summary

- Construct five green pedestrian safety islands at Overing St, Silver St, and St Raymonds Ave
- Build neckdowns on E. Tremont at Silver St, Overing St, and Maclay Ave
- Build two new pedestrian ramps
- Install flush center median with left turn bay at Bronxdale
- Convert one EB through lane to left turn lane at Silver
- Mark curb lane to create standard width moving lanes
- Install EB left turn signal and provide simultaneous SB right turn at Silver St while banning SB left turn
- Install two new crosswalks