South End Avenue & West Thames Street
Streetscape Design Services

Community Board Presentation
South End Avenue
Site Context

- Brookfield Place
- South End Ave & West Thames St
- Hudson River Greenway
- Battery Park Esplanade
- Battery Park
- One World Trade & 9/11 Memorial
- West Thames Pedestrian Bridge
Purpose: Address pedestrian and cyclist safety concerns
South End Avenue Recommendations

**South Section**
West Thames Street

**Central Section**
Rector Place & Albany Street

**North Section**
Liberty Street
South End Avenue Recommendations

Field Observations

• Frequent jaywalking noted at Gateway Garage Entrance
• Queuing at Gateway Garage entrance
• Delivery trucks parked illegally
• Not enough room on sidewalks for pedestrians
Travel Activity - June 7, 2018 from 8:00AM-9:00AM (AM Peak Hour)

Legend

- Jaywalking Path
- Circulation
- Existing Crosswalk

| 132  | Total Pedestrian Count (at crosswalk) |
| 75   | Total Pedestrian Count (jaywalking)   |
| 480  | Vehicle Count                       |

South End Avenue Recommendations

South End Avenue & West Thames Street

Streetscape Design Services

Battery Park City Authority
South End Avenue Recommendations

**NYC DOT Crash Statistics**

- 83 total crashes along South End Avenue corridor over the past 3 years
- 66 crashes (80%) between Liberty Street and Albany Street, including all 3 involving pedestrian injuries
- Large cluster at Gateway Garage entrance

Source: NYC Open Data
South End Avenue Recommendations
South End Avenue Recommendations
Transit - Existing

Legend
- Bus Route / Stop: Downtown Connector
- Bus Route / Stop: MTA 20
- Bus Route / Stop: MTA 9
South End Avenue Recommendations

Transit - Proposed (No Change)

Legend
- Red: Bus Route / Stop: Downtown Connector
- Orange: Bus Route / Stop: MTA 20
- Yellow: Bus Route / Stop: MTA 9

South End Avenue & West Thames Street Streetscape Design Services

Community Board Presentation
South End Avenue Recommendations

Bike Network - Existing

Legend

- Citi Bike Station
- Bike Lane
- Shared Lane
South End Avenue Recommendations
Bike Network - Proposed

Legend
- Citi Bike Station
- Bike Lane
- Shared Lane
South End Avenue Recommendations
Curbs - Existing
South End Avenue Recommendations
Curbs – Proposed

Features
- Extended Curb
- Planted Median
South End Avenue Recommendations

Benefits of Roadway Narrowing

Lower traffic speeds

Vanderbilt Ave. (Brooklyn):

• 20% reduction in average speed
• 50% decrease in number of drivers exceeding the speed limit

Safer streets

9th Ave. (Manhattan):

• Shorter crossing distance for pedestrians
• 52% fewer crashes with injuries after narrowing lanes to standard width
**South End Avenue Recommendations**

**Other Benefits of Roadway Narrowing**

- Discourages illegal driving maneuvers [1]
- Reclaims space for other activities
- Limits illegal parking [2]
- Reduces roadway noise [2]
- Encourages more walking and cycling [3]

**Sources:**
[1] New York City Department of Transportation
South End Avenue Recommendations
Parking - Existing

Legend
- Bus Lane / Stop
- Loading Zone / Night Parking
- Taxi Stand
- Parking
South End Avenue Recommendations
Parking – Proposed

Legend
- Bus Lane / Stop
- Loading Zone / Night Parking
- Taxi Stand
- Parking

Existing Parking Spaces: 0
Proposed Parking Spaces: 12

Note: Overnight residential parking permitted at all areas except bus stops.
South End Avenue Recommendations

Looking North from Albany Street - Before
South End Avenue Recommendations
Looking North from Albany Street - After

Concept renderings shown for illustrative purposes only.
South End Avenue Recommendations

South Section
West Thames Street

Central Section
Rector Place & Albany Street

North Section
Liberty Street

South End Avenue & West Thames Street
Streetscape Design Services

Community Board Presentation 21
South End Avenue Recommendations

Field Observations

- Many jaywalking families with small children around Rector Park
- Delivery trucks parked illegally for hours
- Congestion and gridlock at Albany Street
South End Avenue Recommendations

Pedestrian Activity - June 7, 2018 from 8:00AM-9:00AM (AM Peak Hour)

Legend

- Jaywalking Path
- Circulation
- Existing Crosswalk

<table>
<thead>
<tr>
<th>Total Pedestrian Count (with crosswalk)</th>
<th>Total Pedestrian Count (jaywalking)</th>
</tr>
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<tbody>
<tr>
<td>311</td>
<td>179</td>
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</table>

South End Avenue & West Thames Street
Streetscape Design Services
South End Avenue Recommendations

Transit - Existing

Legend

- Bus Route / Stop: Downtown Connector
- Bus Route / Stop: MTA 20
- Bus Route / Stop: MTA 9
South End Avenue Recommendations
Transit - Proposed

Legend
- Bus Route / Stop: Downtown Connector
- Bus Route / Stop: MTA 20
- Bus Route / Stop: MTA 9
South End Avenue Recommendations

Bike Network - Existing

Legend

- Citi Bike Station
- Bike Lane
- Shared Lane

South End Avenue & West Thames Street
Streetscape Design Services
South End Avenue Recommendations

Bike Network - Proposed

Legend

- Citi Bike Station
- Bike Lane
- Shared Lane
South End Avenue Recommendations

Curbs - Existing
South End Avenue Recommendations
Curbs - Proposed

Features
- Extended Curb
- Planted Median
- Raised Intersection
South End Avenue Recommendations
Parking - Existing

Legend
- Bus Lane / Stop
- Loading Zone / Night Parking
- Taxi Stand
- Parking
South End Avenue Recommendations
Parking - Proposed

Legend
- Bus Lane / Stop
- Loading Zone / Night Parking
- Taxi Stand
- Parking

Existing Parking Spaces: 40
Proposed Parking Spaces: 41

Note: Overnight residential parking permitted at all areas except bus stops
South End Avenue Recommendations
Arcade - Before
South End Avenue Recommendations

Arcade - After
South End Avenue Recommendations

Rector Place - Before
South End Avenue Recommendations

Rector Place - After
South End Avenue Recommendations

Rector Place - Raised Intersection

Concept renderings shown for illustrative purposes only.
South End Avenue Recommendations

**South Section**
West Thames Street

**Central Section**
Rector Place & Albany Street

**North Section**
Liberty Street
South End Avenue Recommendations

Field Observations

- Pedestrians and cyclists crossing South End Avenue cul-de-sac
- Double parked trucks forcing bus to drive into median
- Popular Citi Bike station in the median at West Thames Street
South End Avenue Recommendations

Transit - Existing

Legend

- Bus Route / Stop: Downtown Connector
- Bus Route / Stop: MTA 20
- Bus Route / Stop: MTA 9
South End Avenue Recommendations
Transit - Proposed

Legend
- Bus Route / Stop: Downtown Connector
- Bus Route / Stop: MTA 20
- Bus Route / Stop: MTA 9
South End Avenue Recommendations

Bike Network - Existing

Legend

- Citi Bike Station
- Bike Lane
- Shared Lane
South End Avenue Recommendations
Bike Network - Proposed

Legend
- Citi Bike Station
- Bike Lane
- Shared Lane
South End Avenue Recommendations

Curbs - Existing
South End Avenue Recommendations

Curbs - Proposed

Features

- Extended Curb
- Planted Median
- Textured Roadway
South End Avenue Recommendations
Parking - Existing

Legend
- Bus Lane / Stop
- Loading Zone / Night Parking
- Taxi Stand
- Parking
South End Avenue Recommendations
Parking - Proposed

Legend
- Blue: Bus Lane / Stop
- Brown: Loading Zone / Night Parking
- Yellow: Taxi Stand
- Orange: Parking

Existing Parking Spaces: 28
Proposed Parking Spaces: 29

Note: Overnight residential parking permitted at all areas except bus stops
South End Avenue Recommendations
West Thames Street - Before
South End Avenue Recommendations
West Thames Street - After
South End Avenue Recommendations

South End Avenue - Before
South End Avenue Recommendations

South End Avenue – After

Concept renderings shown for illustrative purposes only.