PRESENTATION OVERVIEW

1. Project Background
2. Public Outreach
3. Flatbush Ave to E 16 St
4. E 16 St to Ocean Pkwy
5. Next Steps
Project Background
BUS SPEEDS

• Mayor’s 2019 State of the City
  • Improve bus speeds 25% by 2020

• Better Buses Action Plan released April 2019
  • 24 priority projects announced for 2019 to increase bus speeds across all 5 boroughs
Church Ave (Flatbush Ave to Ocean Pkwy) identified as 2019 priority project due to:

- Slow bus speeds: **4.25 mph** during peak, compared to 6.7 mph peak Brooklyn avg.
- High route ridership (**45,000 daily**) & high volume of buses
CORRIDOR OVERVIEW

- Flatbush Ave to Ocean Pkwy (0.9 miles)
  - Flatbush Ave to E 16 St – Commercial Core
  - E 16 St to Ocean Pkwy – Residential & Neighborhood Stores
CORRIDOR OVERVIEW

- **B35:** 29,000 daily riders (Brooklyn’s 3rd busiest bus route)
  - Connects to **D N R F G B Q 2 5 L**
- **B103:** 13,000 daily riders
  - Serves Downtown BK, Park Slope, Kensington, Flatbush, Canarsie
- **BM3 & BM4 express buses**
  - Direct service along Ocean Ave to Midtown & Downtown
CORRIDOR OVERVIEW

• Continuous traffic backups in both directions, AM peak through PM peak

• Through truck route connecting Flatbush Ave to Prospect Expy

• Commercial corridor with frequent deliveries

• Other local and through traffic for commuting, shopping, etc.
CHURCH AVE IS MULTI-MODAL

• Bus passengers make up 72% of travelers during AM peak, and 69% during PM peak

Car/truck source: 12/6/17 traffic counts; occupancy factor 1.3 persons/vehicle. Bus source: MTA scheduled B35 bus frequency and average B35 passenger loads during AM and PM peak; other buses counted on 12/6/17 use occupancy factor of 10 persons/vehicle. Peak hour is 8am-9am and 5:30-6:30pm, based on total number of vehicles counted.
BUS SPEEDS
Ocean Pkwy to Flatbush Ave

B35 is consistently slow (3-5 mph) 7 AM-7PM both directions
Public Outreach
PUBLIC OUTREACH SUMMARY

- Church Ave BID Introductory Meeting
- Church Ave BID Follow-Up Meeting
- NYPD Briefing with:
  - 70th Precinct
  - 66th Precinct
  - Traffic Enforcement Brooklyn South
- Merchant Survey
- Double Parking Survey
- Shopper Survey
MERCHAND SURVEY

- Street Ambassadors visited every business on Church Ave from Flatbush Ave to Coney Island Ave
- 63% of businesses say their average delivery takes 15+ mins.
- 82% receive some deliveries by box truck or larger vehicle
- 47% report challenges receiving deliveries
  - 50% east of E 16 St; 33% west of E 16 St
DOUBLE PARKING SURVEY

• Street Ambassadors surveyed double parked and illegally parked drivers

• Trip purpose:
  • 38% passenger pickup
  • 31% business visit
  • 19% commercial delivery

• 72% are personal cars
• 73% did not attempt to find a legal metered space
• 43% plan to stay for over 15 mins.
**SHOPPER SURVEY**

“What modes of transportation do you use to get to Church Ave?” (select all that apply)

87 Responses

<table>
<thead>
<tr>
<th>Mode</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Personal Car</td>
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<tr>
<td>Dropped Off</td>
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<tr>
<td>Walk</td>
<td>63%</td>
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</tr>
<tr>
<td>Bus</td>
<td>55%</td>
</tr>
<tr>
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<tr>
<td>Access-a-Ride</td>
<td>0%</td>
</tr>
<tr>
<td>Taxi/FHV</td>
<td>6%</td>
</tr>
<tr>
<td>Dollar Van</td>
<td>2%</td>
</tr>
<tr>
<td>Other</td>
<td>1%</td>
</tr>
</tbody>
</table>

![Image of people walking on a sidewalk with a map showing Church Ave]
Flatbush Ave to E 16 St
SUMMARY: FLATBUSH AVE TO E 16 ST

• 1-hour metered parking w/ loading zones; 2-hour on spurs
  • Overnight street sweeping 12am-3am, 3x weekly
• High curb demand; frequent double parking & illegal parking
  • 1-2 double-parked vehicles can shut down traffic
• Most stays are short; long-term parking occupies limited curb space
TIME LAPSE: OCEAN AVE TO E 21 ST

- Typical commercial core block with 1-hour metered parking
- 16-space block used by 416 vehicles in 14 hours
  - On average, a new vehicle every 2 minutes
TIME LAPSE: OCEAN AVE TO E 21 ST

- Heavy curb demand; frequent double parking & illegal parking
- Average stay 20 minutes, but a few vehicles stay 1-2+ hours

Parking Duration in Minutes
Ocean Ave to E 21 St, Both Directions

- 39% 1-5 minutes
- 29% 6-15 minutes
- 12% 16-30 minutes
- 11% 31 min-1 hour
- 7% 61 min-2 hours
- 7% Over 2 hours

Currently illegal (36 vehicles)
TIME LAPSE: E 16 ST TO E 17 ST (BOBBY’S)

- Mix of loading zones and 1-hour metered parking
- 25 vehicles double parked, for an average of 11 minutes
- Cars frequently block truck loading zones
  - Forces trucks to double park and block traffic
PROPOSAL: FLATBUSH AVE TO E 16 ST

• Update curb regulations to increase available parking/loading and reduce congestion through commercial core
• Block-by-block plans currently being developed, incorporating preliminary feedback from elected officials and stakeholders
• Considerations include:
  • Convert 1-hour metered to 30 minutes from E 21 St to E 18 St (3 blocks)
  • Add/extend loading zones on blocks w/ high delivery demand
  • Add metered parking to select side streets
  • Investigate conversion of 2-hour meters to 1 hour on side streets
PROPOSAL: FLATBUSH AVE TO E 16 ST

• Convert 1-hour metered parking to 30-min metered parking on select blocks
• Add loading zones on blocks with frequent deliveries
• Add 7 new metered spaces on side street next to MTA property
• Investigate conversion of 2-hour meters to 1-hour on some blocks
E 16 St to Ocean Pkwy
SUMMARY: E 16 ST TO OCEAN PKWY

- **South curb**: residential side yards; alternate-side parking
  - Lower parking demand, longer average stays (45-107 mins.)
  - Few spaces per block due to driveways, hydrants, bus stops
- **North curb**: neighborhood shops; 2-hour metered parking
  - Little double parking, but congestion remains an issue
    - Short blocks back up into “one long traffic queue”
TIME LAPSE: ARGYLE RD TO WESTMINSTER RD

- South curb (residential): ASP + bus stop
- North curb (commercial): 2-hour metered parking
- Vehicles stayed an average of 43 minutes
  - 82% passenger vehicles (124) – average stay 48 mins.
  - 18% commercial vehicles (28) – average stay 19 mins.
PROPOSAL: E 16 ST TO OCEAN PKWY

- Curbside bus lanes, both directions from E 16 St to Ocean Pkwy
- Active from 7AM – 7PM, Monday-Saturday; parking other times
- Allows buses to bypass traffic congestion and access stops quickly
- Improves traffic flow for all vehicles along Church Ave

Example of curbside bus lane
BUS LANE DESIGN

• Existing curbside bus lanes nearby:
  • Fulton St, Lafayette Ave to Grand Ave (14 blocks):
    • Buses 22-31% faster during peak
  • Utica Ave, Bergen St to Atlantic Ave (3 blocks):
    • Buses 17-26% faster during peak

Example of curbside bus lane
PROPOSAL: E 16 ST TO OCEAN PKWY

Conceptual Draft Plan

- Bus lane would repurpose 113 spaces from 7am-7pm
  - 61 metered, 52 unmetered
- Mitigated by 59 new metered spaces around the corner
- Add loading zones to accommodate deliveries
PROPOSAL: E 16 ST TO OCEAN PKWY

- Bus lane would repurpose 113 spaces from 7am-7pm
  - 61 metered, 52 unmetered
- Mitigated by 59 new metered spaces around the corner
- Add loading zones to accommodate deliveries
Next Steps
NEXT STEPS

• May/June - Continue to refine proposal
  • Hours & extents of new/adjusted metered parking, new/adjusted loading zones
• Continue outreach to community stakeholders
  • May 30th – CB 14 Transportation Committee
  • June 13th – Church Ave BID Board Meeting
  • June TBD – CB 12 Transportation Committee
• Summer – Implementation
THANK YOU!

Questions?