

Atlantic Yards: Arena Opening Traffic Mitigation Plan



Image Courtesy of SHoP Architects

May 19, 2011



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ENGINEERING

Arena Opening Site Conditions

- **Improvements that must be in place to open the arena (August 2012)**
 - **Traffic mitigation measures**
 - Carlton Avenue Bridge
 - New entrance to Atlantic-Pacific subway station on arena block
 - 1,100 parking spaces to serve arena on Block 1129 (between Vanderbilt and Carlton Avenues)
 - Transportation Demand Management (TDM) program
 - Free subway fare for targeted Nets ticketholders
 - Remote parking with shuttle buses
 - Cross-marketing to spread arrivals and departures
 - Bike parking (400 spaces)
 - HOV parking
 - Limited on-site parking
 - Website and social media to promote transit
 - Coordination with MTA on service

Traffic Mitigation Implementation Schedule










- **Construction of certain traffic mitigation measures must begin in June 2011**
- **Schedule is divided into 2011 and 2012 seasons**
 - Avoid construction during holiday moratorium (late November – early January)
 - Work is weather and temperature sensitive / cannot be completed in winter months
 - Allows phased implementation to avoid multiple concurrent Maintenance and Protection of Traffic (MPT) construction activities
- **Atlantic/Flatbush/Fourth Avenues have constricted construction times (i.e., only night and weekend construction permitted)**
- **Major elements implemented in summer when volumes are typically lighter**
- **Arena block improvements to be implemented in spring/summer 2012**

Existing Condition



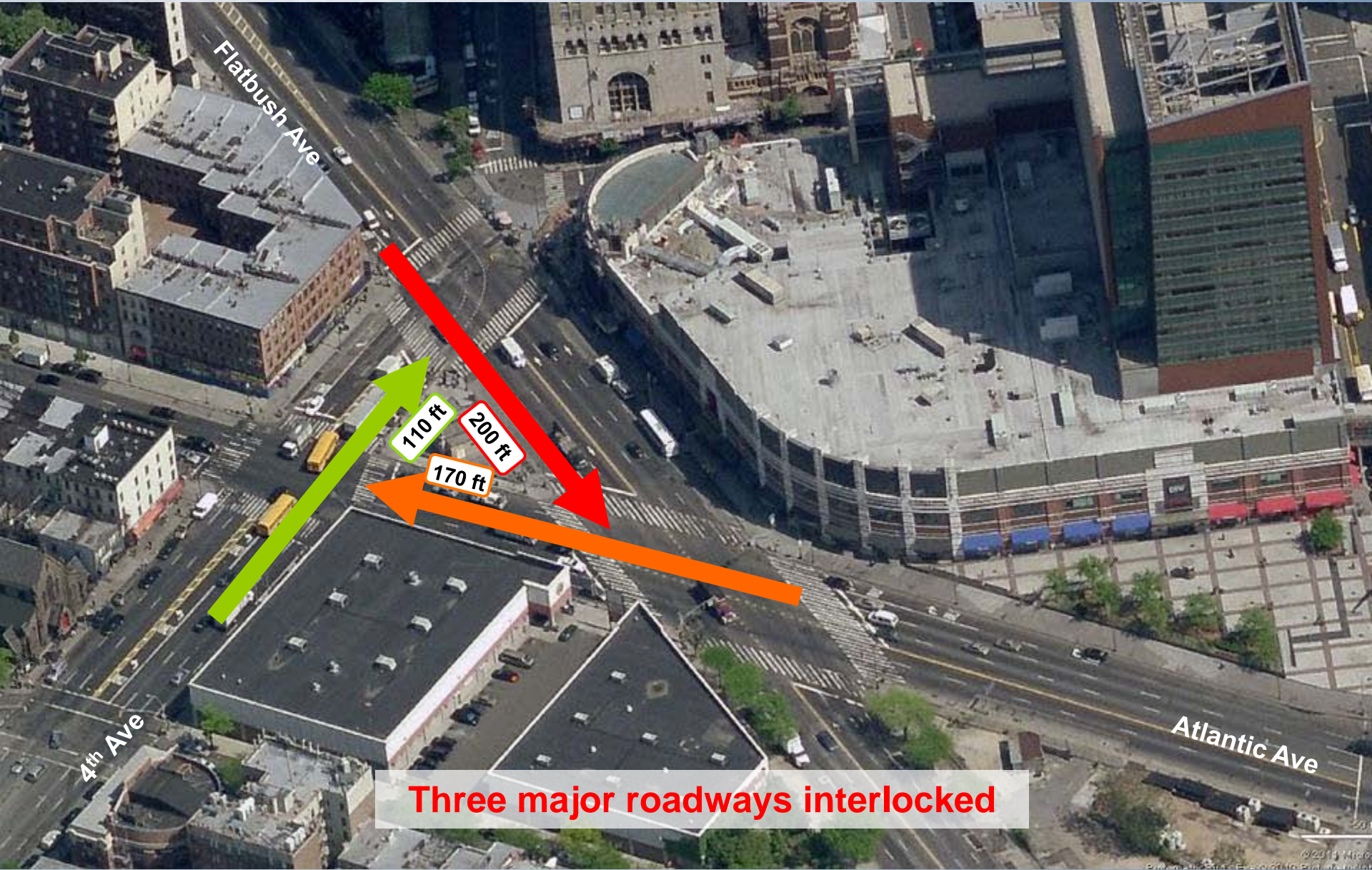
Arena Opening Condition



- | | | | |
|--|----------------------|---|---------------------------|
|  | NEW TRAFFIC SIGNAL |  | BICYCLE PARKING |
|  | NEW STREET DIRECTION |  | ARENA PEDESTRIAN ENTRANCE |
|  | CURB EXTENSION |  | PARKING ENTRANCE |
|  | STREET MODIFICATION |  | NEW SUBWAY ENTRANCE |
|  | CONSTRUCTION | | |

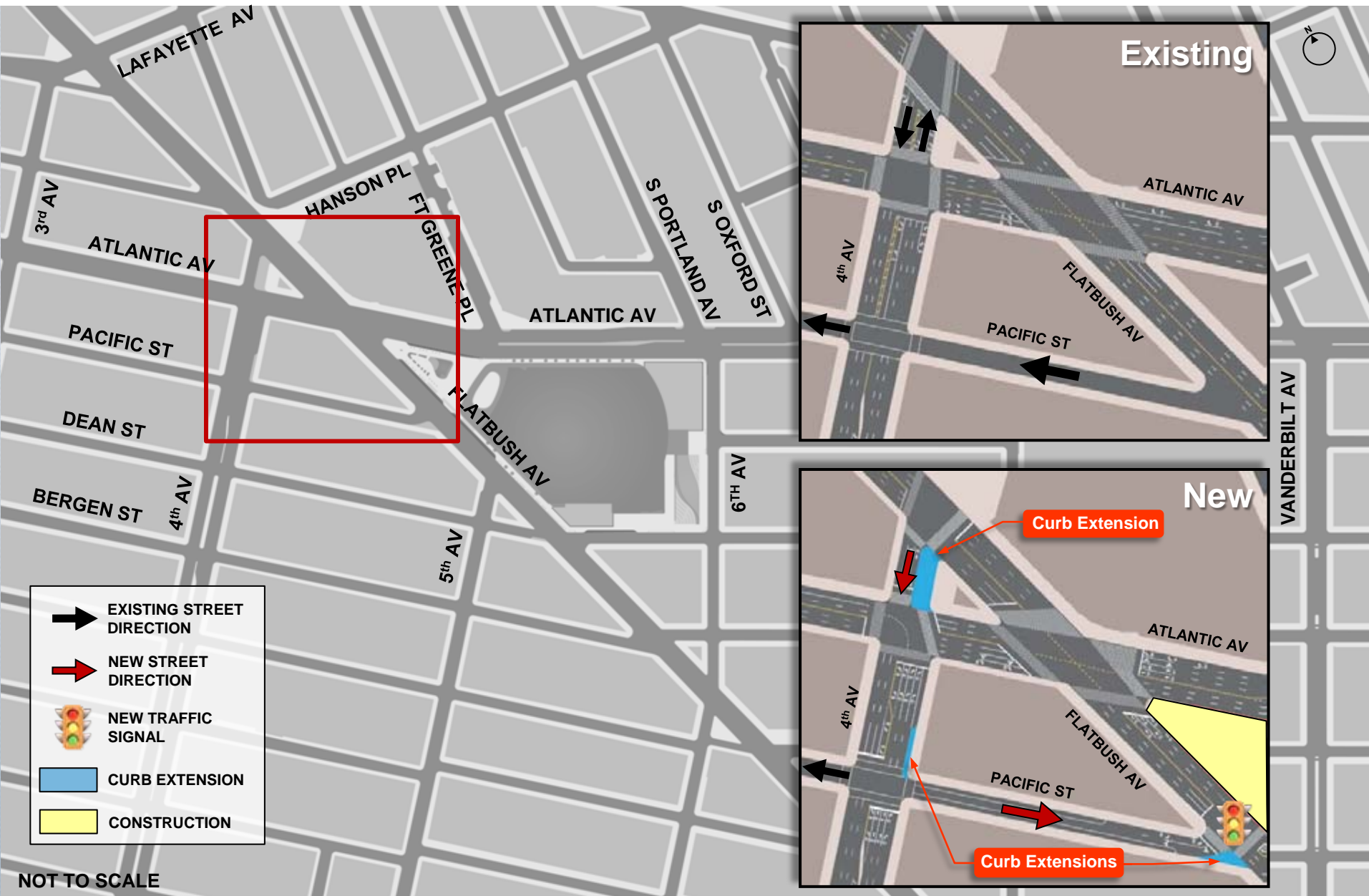
NOT TO SCALE

Untying the Knot at 4th Ave / Flatbush Ave / Atlantic Ave



Three major roadways interlocked

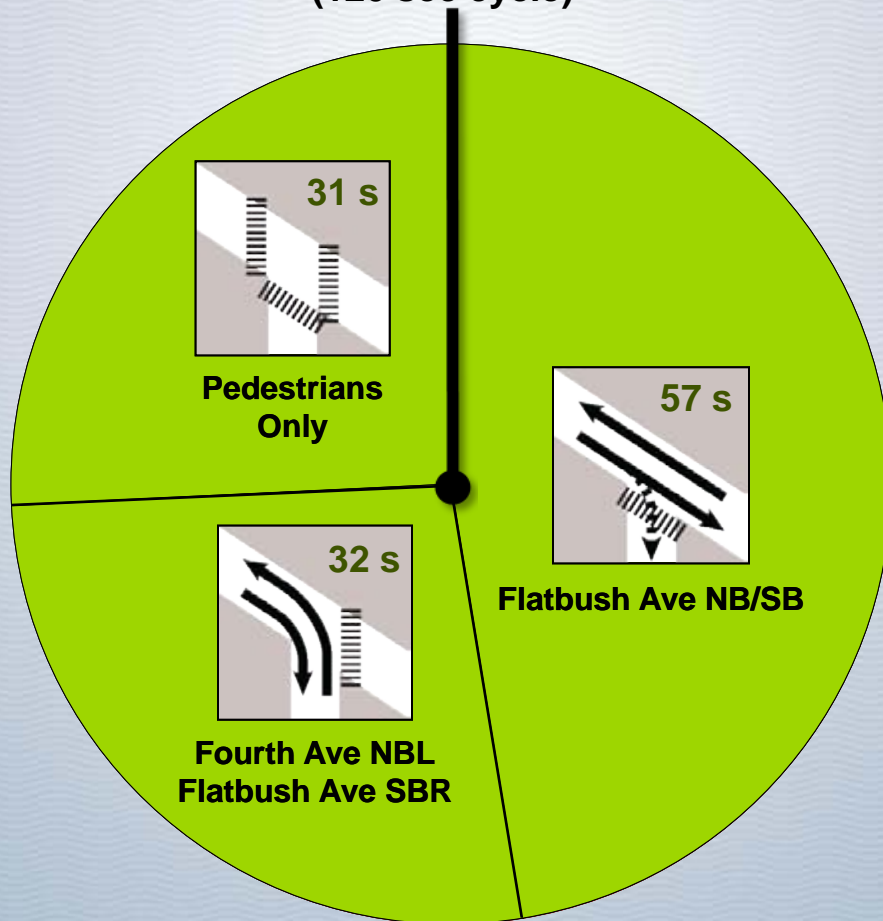
4TH Ave & Pacific St: Implementation Summer 2011



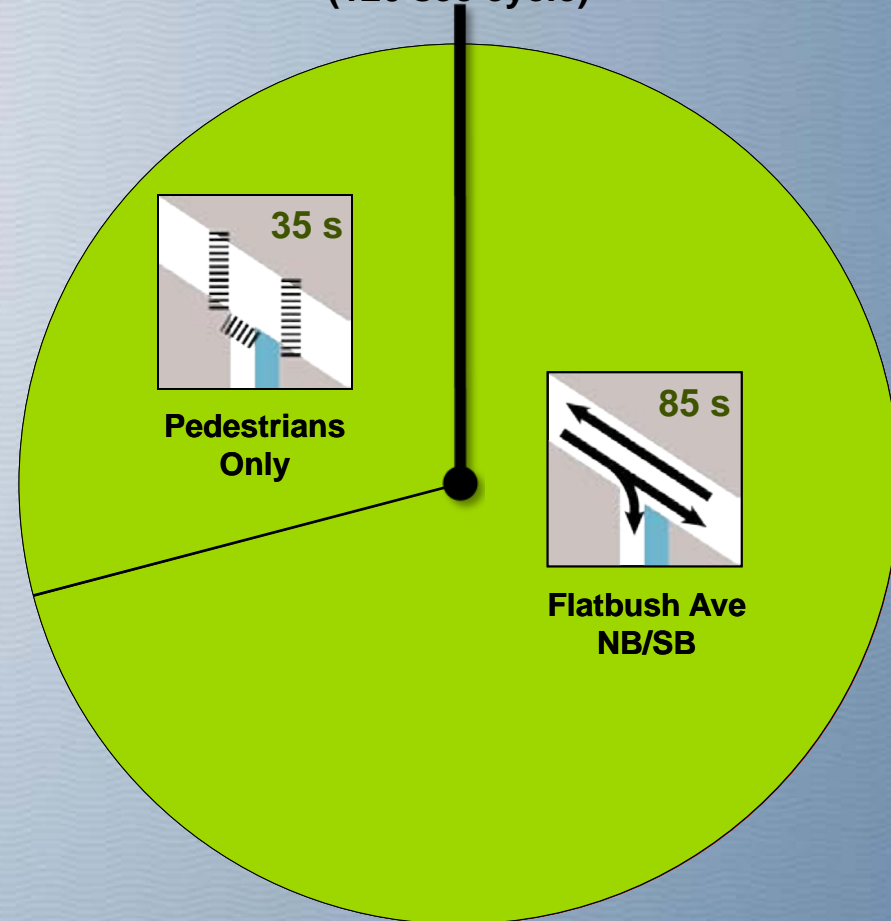
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Signal Timing Changes: Flatbush Ave & Fourth Ave

Existing Signal Timing
(120 sec cycle)

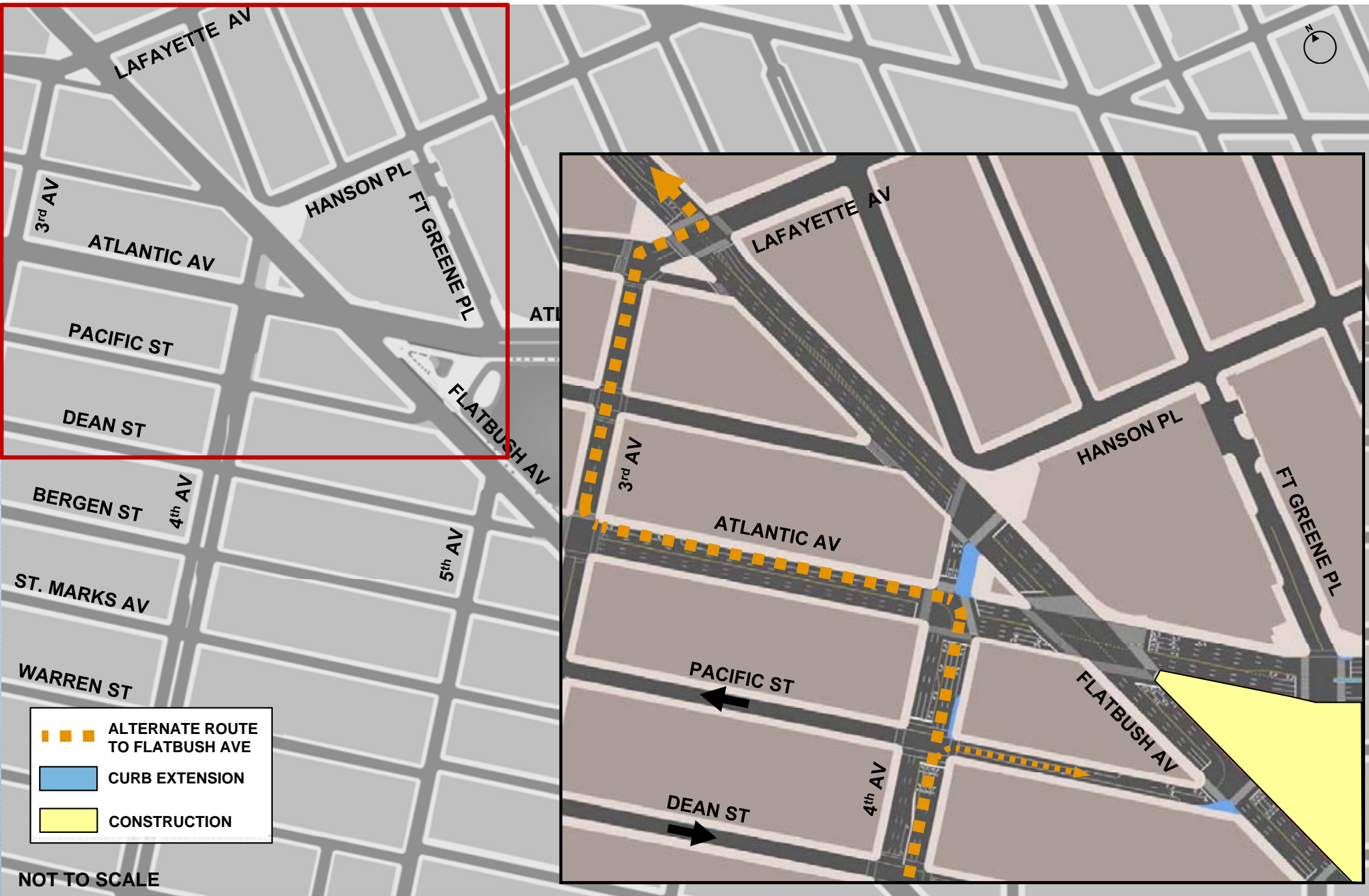


FEIS Proposed Signal Timing
(120 sec cycle)



Fourth Ave green time distributed to Flatbush Ave and pedestrian-only phase

4TH Ave & Pacific St: New Route to Flatbush Ave

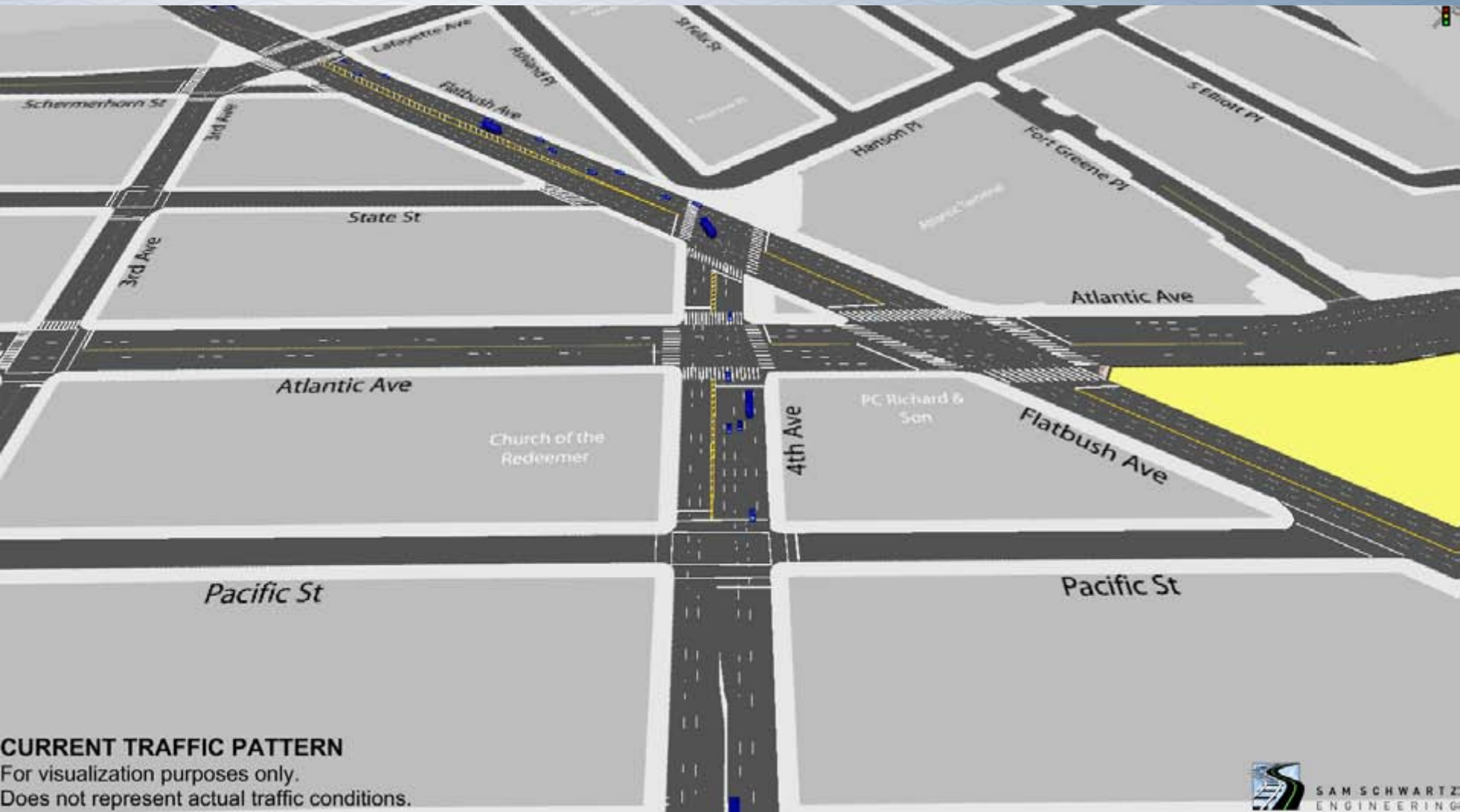


Atlantic Ave at 3rd Ave Dedicated Right-Turn Lane: Summer 2011



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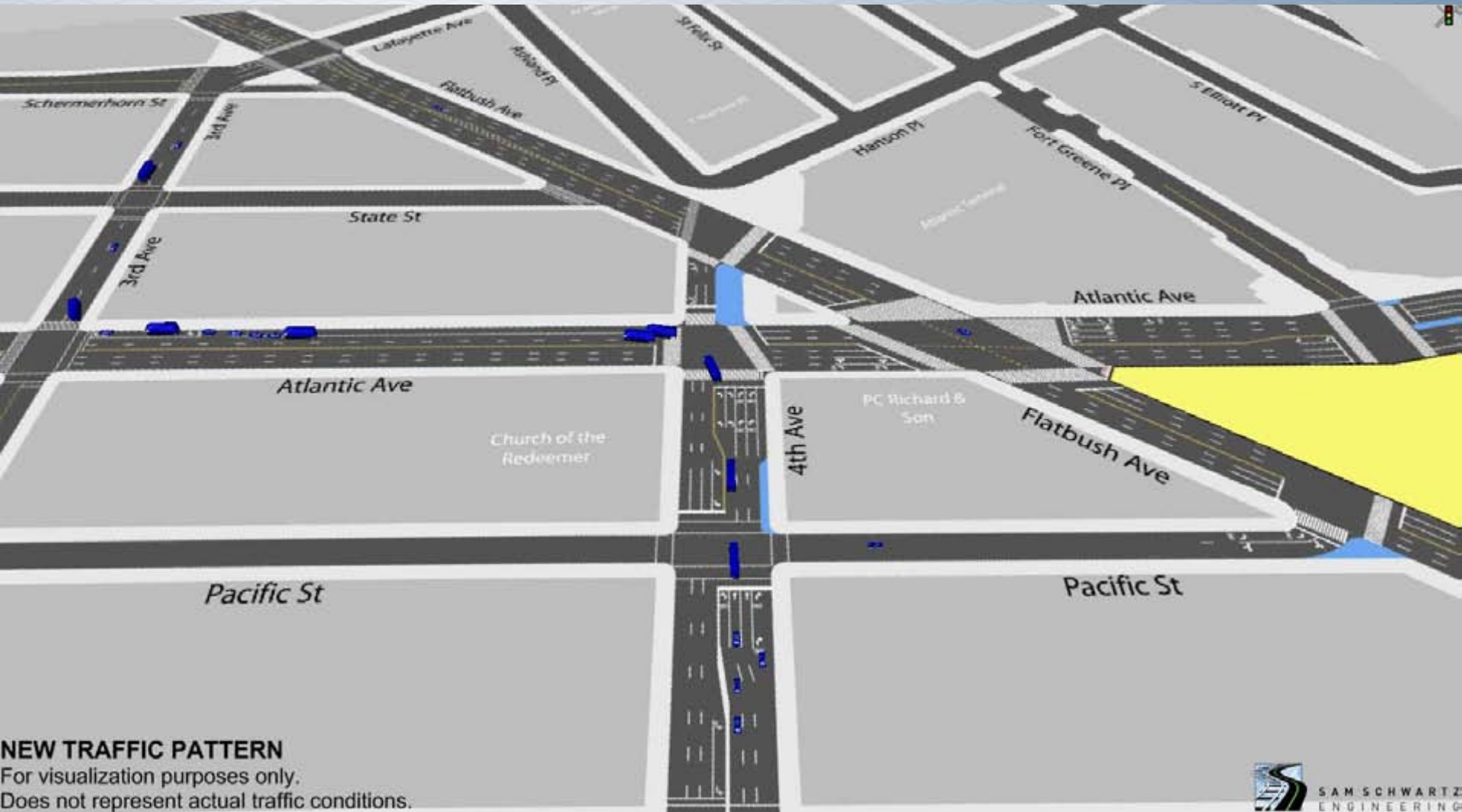
Current Traffic Pattern



CURRENT TRAFFIC PATTERN
For visualization purposes only.
Does not represent actual traffic conditions.



New Traffic Pattern



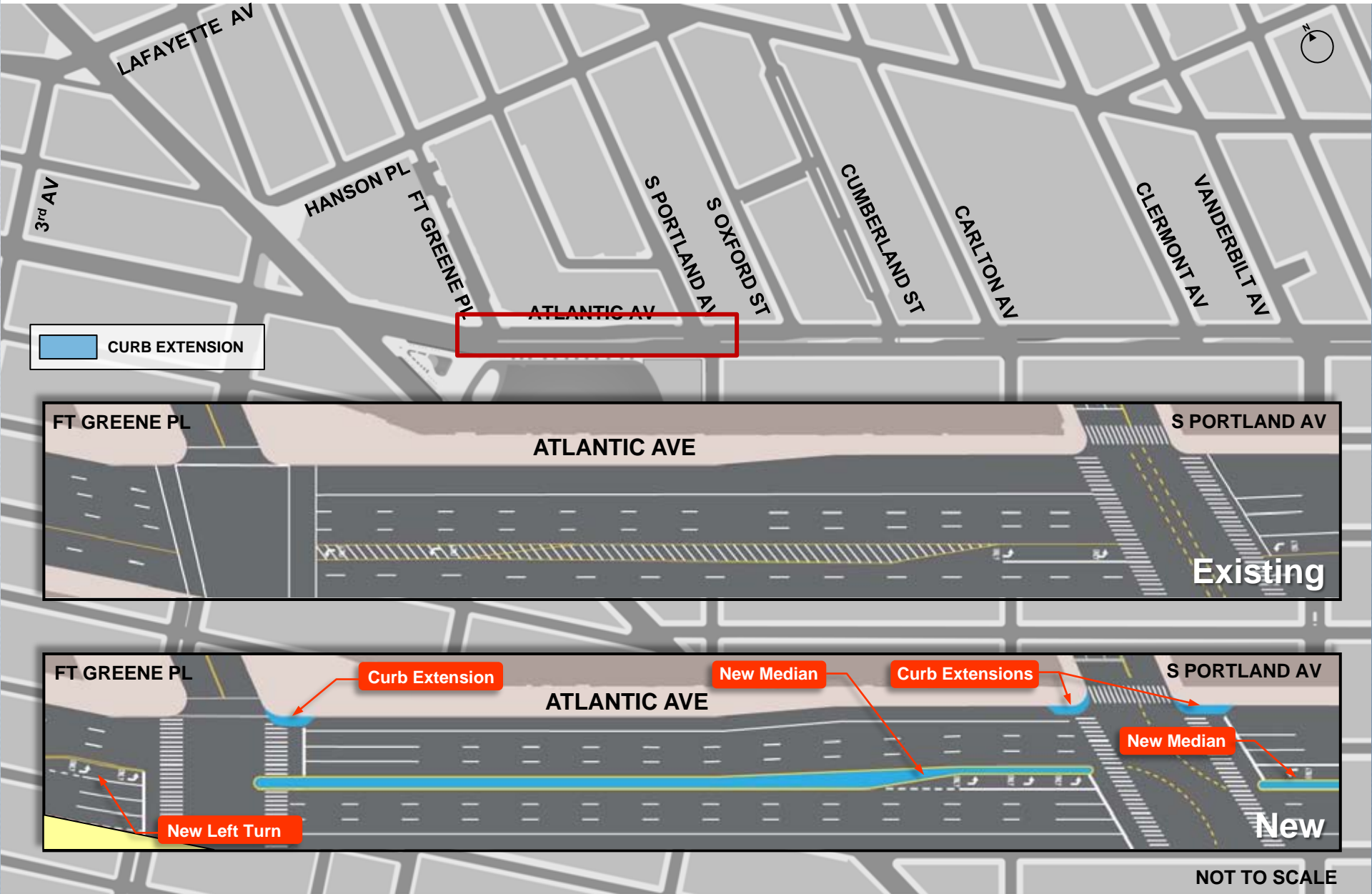
NEW TRAFFIC PATTERN
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Does not represent actual traffic conditions.



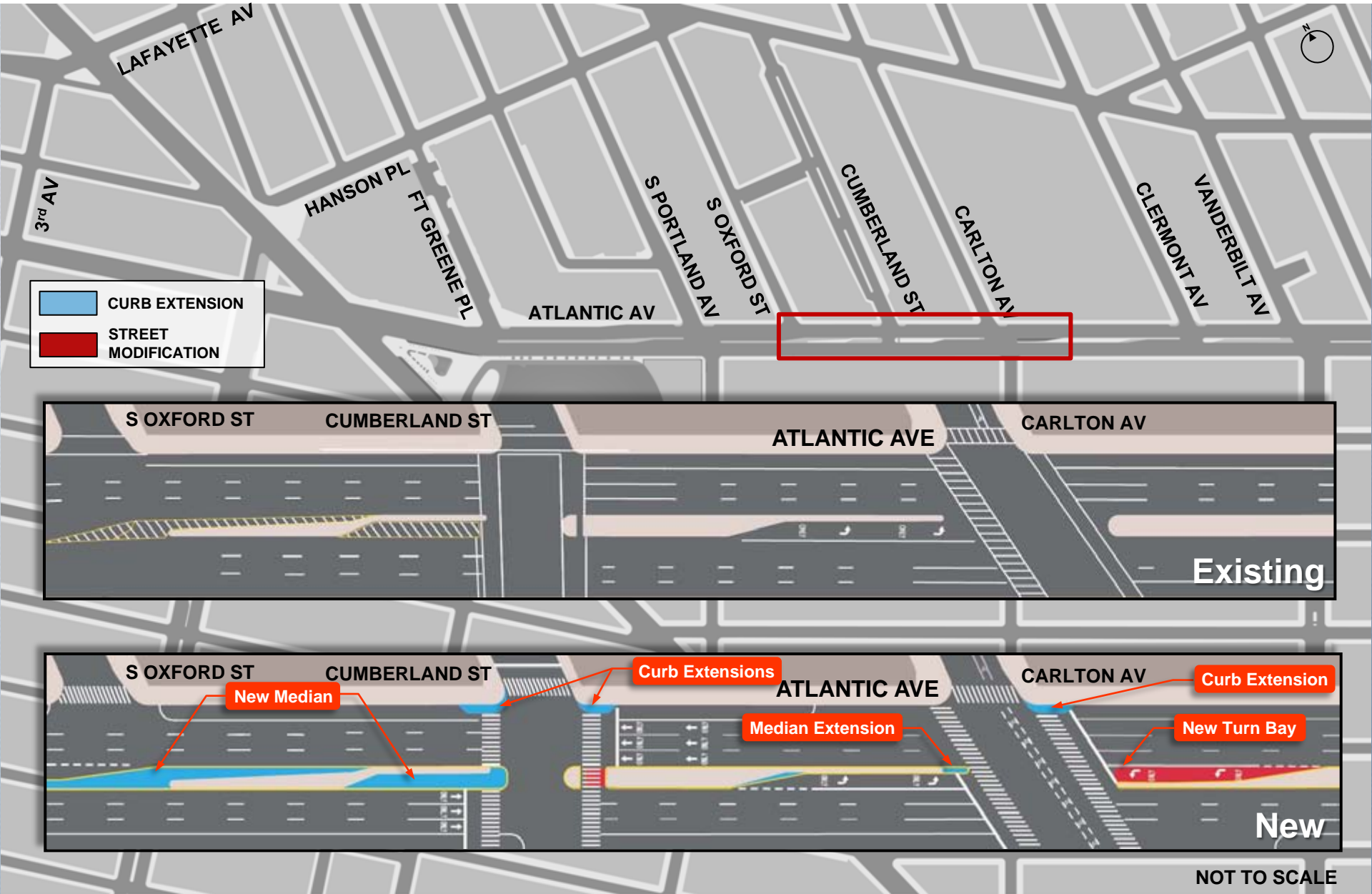
Temporary TEA and VMS Locations: 4th Ave/Pacific St Changes



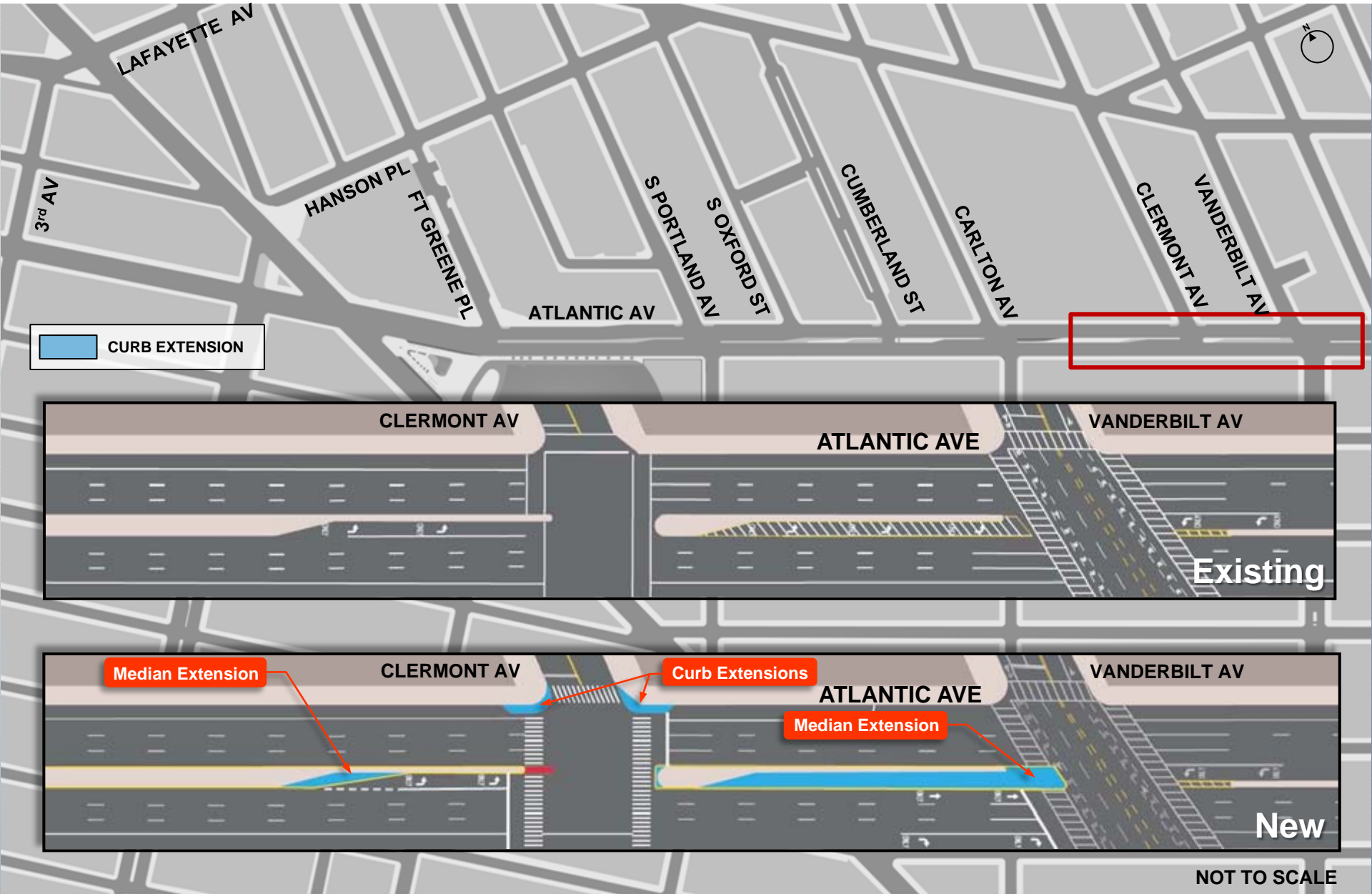
Atlantic Ave Improvements: Implementation Summer/Fall 2011 & Spring 2012



Atlantic Ave Improvements: Implementation Summer/Fall 2011 & Spring 2012

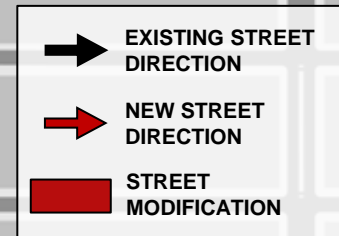
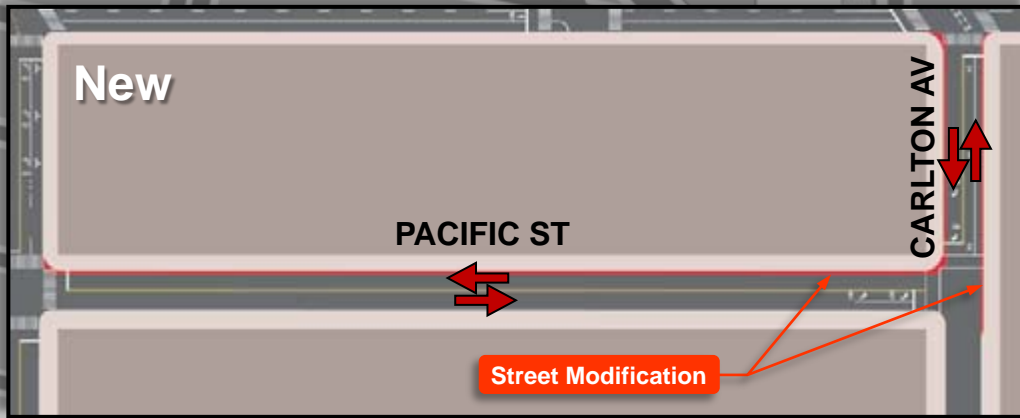


Atlantic Ave Improvements: Implementation Summer/Fall 2011 & Spring 2012



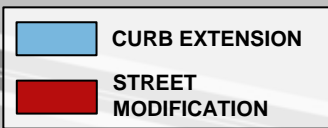
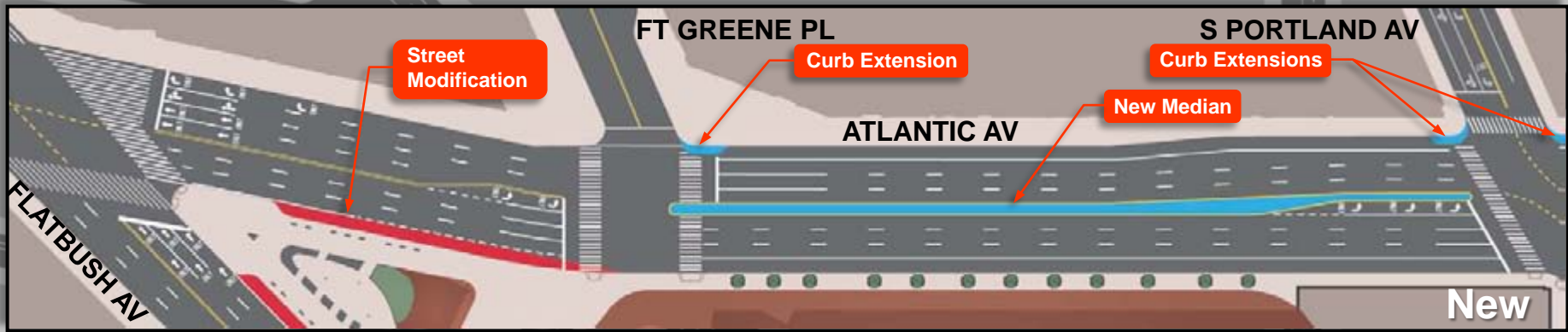
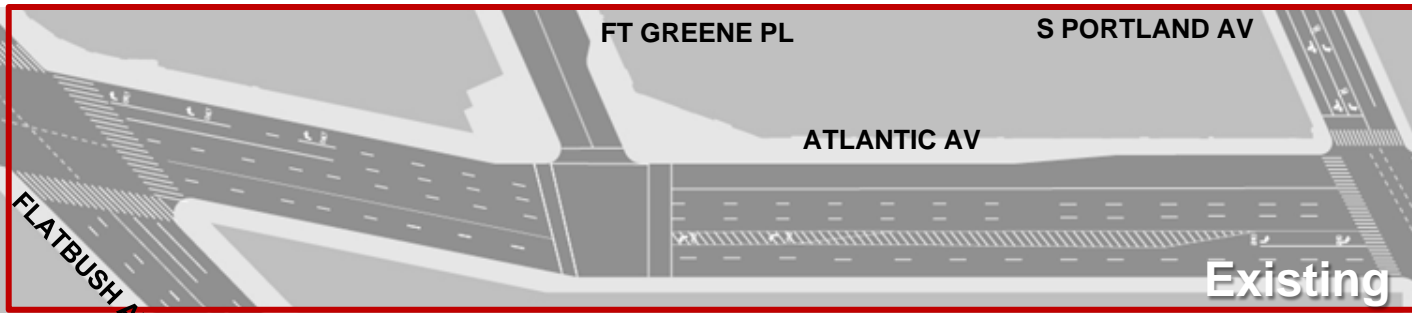
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Carlton Ave Bridge / Pacific St: Implementation Summer 2012



NOT TO SCALE




Arena Block Improvements: Implementation Summer 2012



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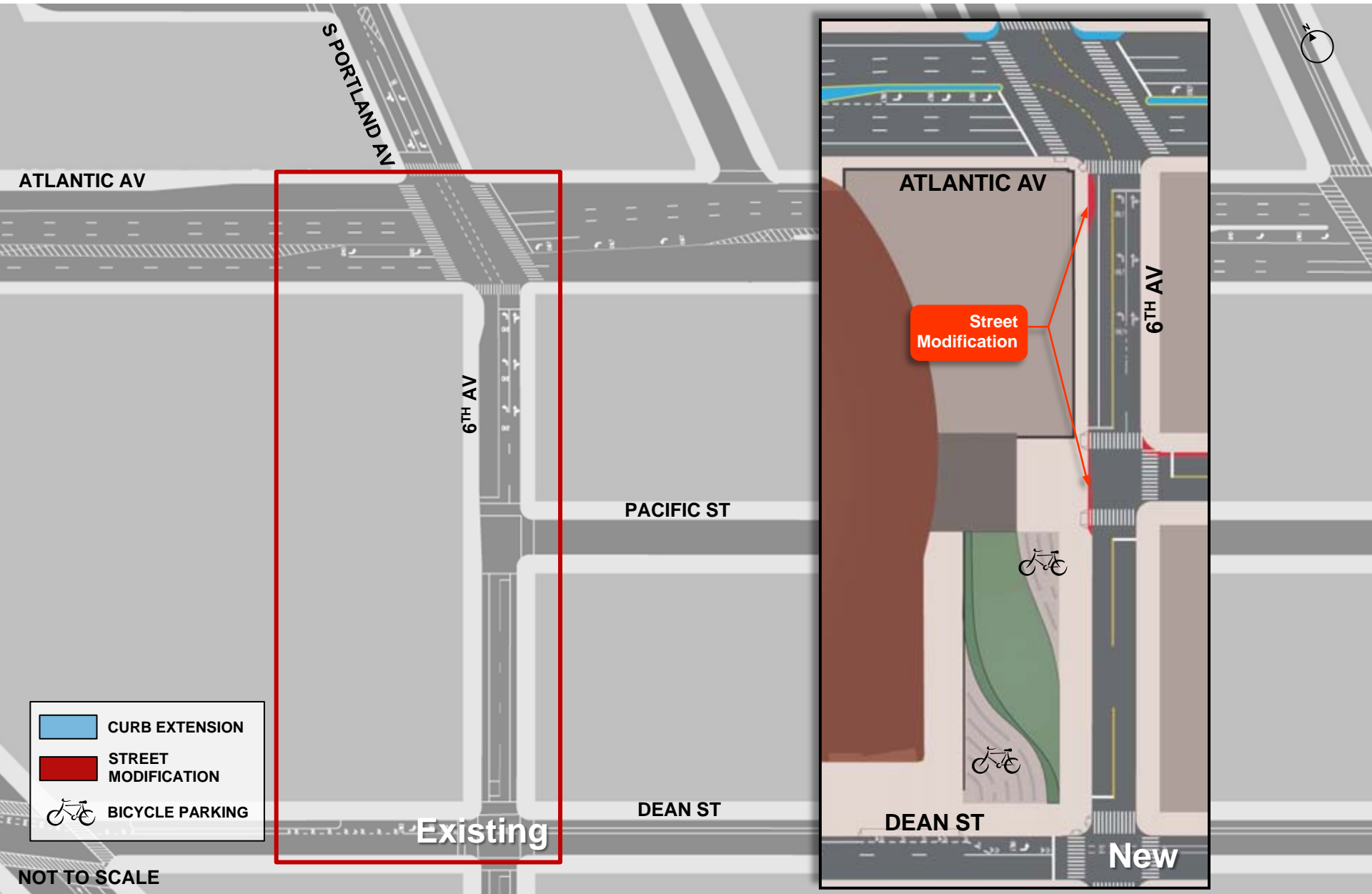
Arena Block Improvements: Implementation Summer 2012



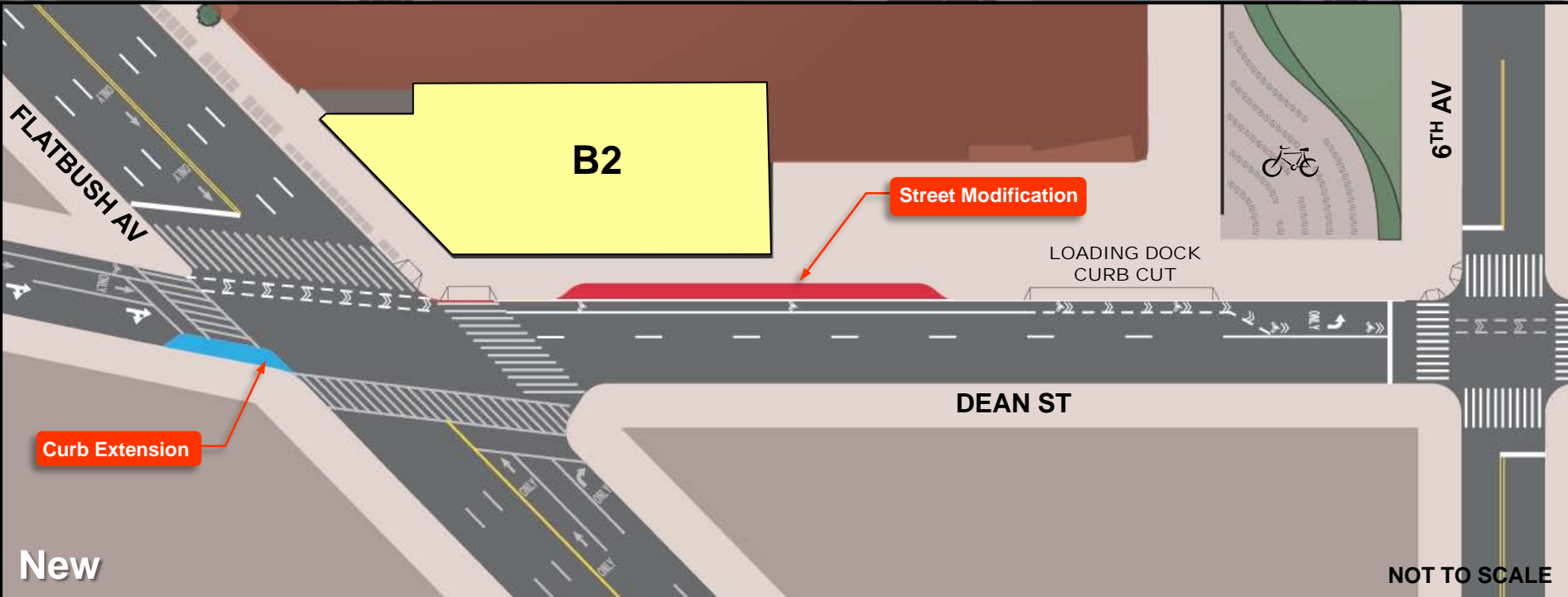
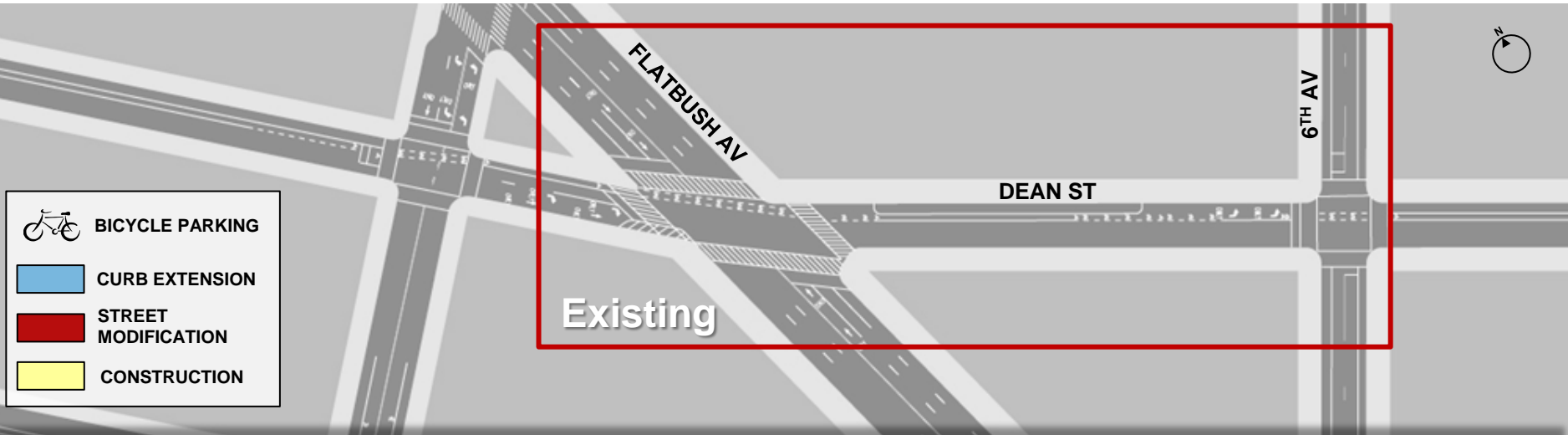
-  NEW TRAFFIC SIGNAL
-  CURB EXTENSION
-  STREET MODIFICATION

NOT TO SCALE

Arena Block Improvements: Implementation Summer 2012



Arena Block Improvements: Implementation Summer 2012



Local Area Signal Timing Changes



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Note: Specific changes are subject to final determination by NYCDOT.

Traffic Improvements Implementation Timeframe

- **Summer 2011**
 - 4th Ave northbound eliminated (between Atlantic & Flatbush Aves)
 - Pacific St reversed to one-way eastbound (between 4th & Flatbush Aves)
 - Atlantic Ave at 3rd Ave dedicated right-turn lane
- **Summer 2011/Fall 2011 & Spring 2012**
 - Atlantic Ave Improvements
- **Summer 2012**
 - Carlton Ave Bridge
 - Pacific St two-way (between Carlton & 6th Aves)
 - Arena Block Improvements

Arena Opening Condition



NOT TO SCALE