

Atlantic Yards: Arena Opening Traffic Mitigation Plan



Image Courtesy of SHoP Architects

May 19, 2011



SAM SCHWARTZ
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



NOT TO SCALE

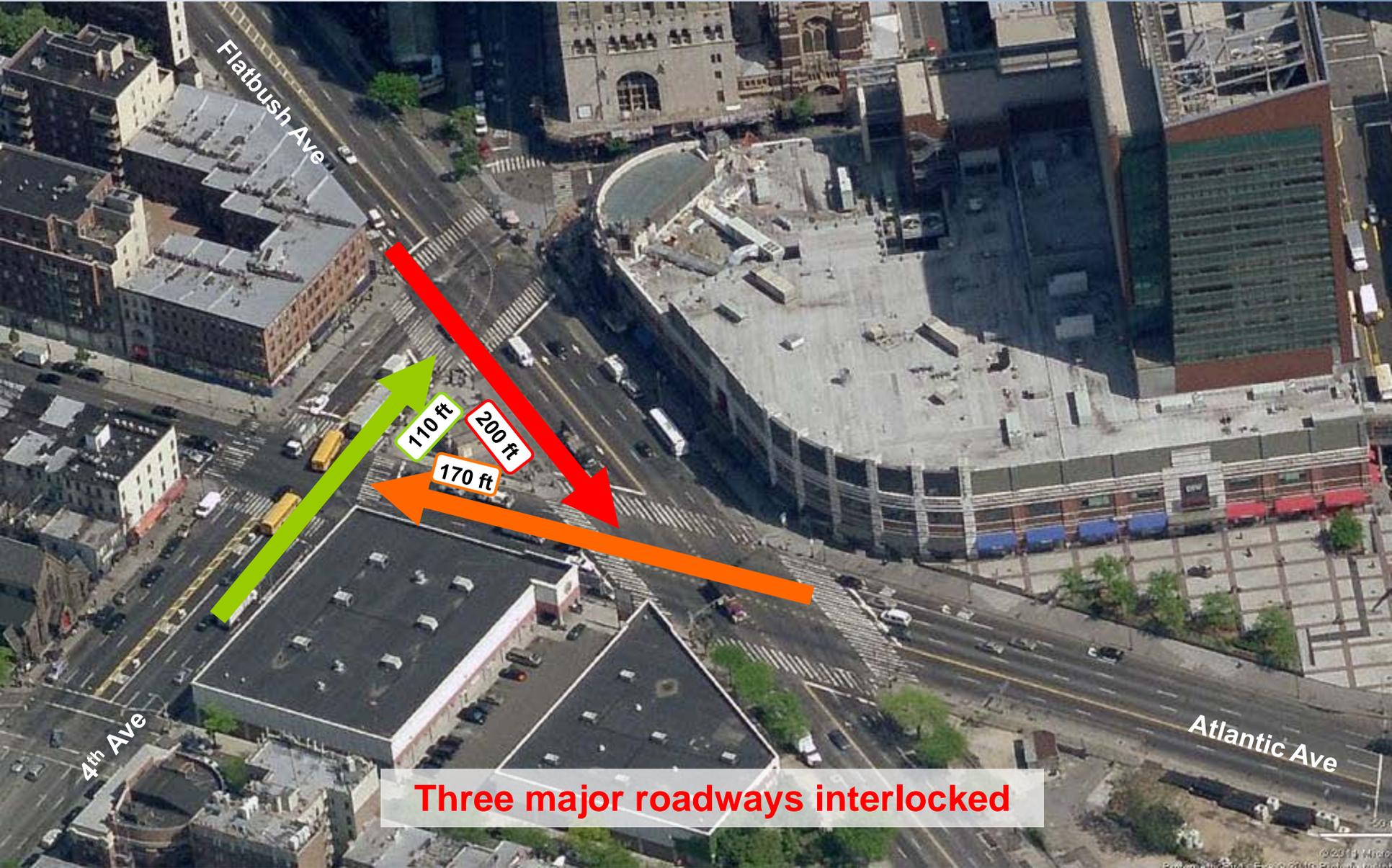
Arena Opening Condition



- | | | | |
|--|----------------------|---|---------------------------|
|  | 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



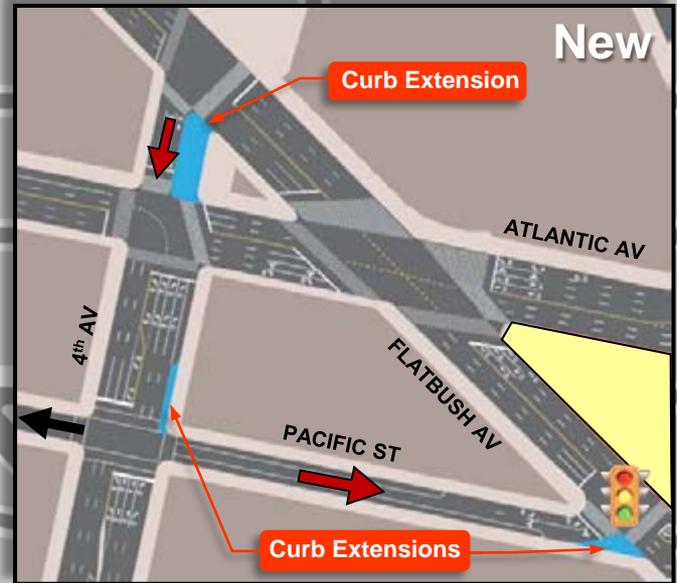
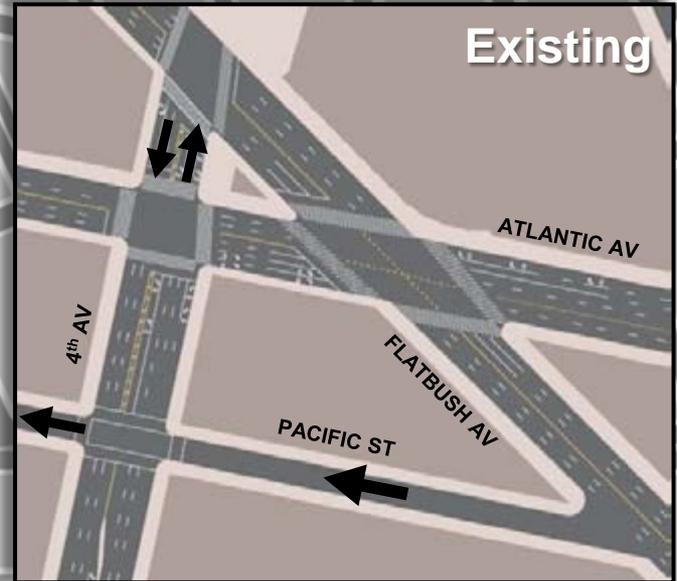
Three major roadways interlocked

4TH Ave & Pacific St: Implementation Summer 2011



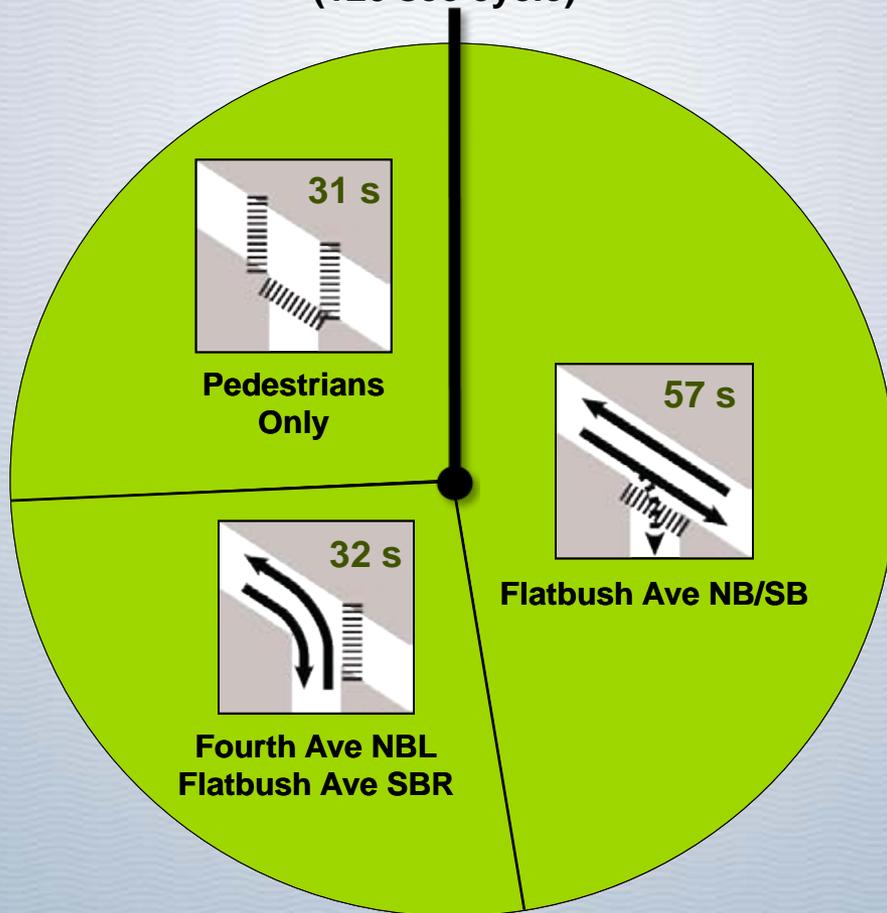
-  EXISTING STREET DIRECTION
-  NEW STREET DIRECTION
-  NEW TRAFFIC SIGNAL
-  CURB EXTENSION
-  CONSTRUCTION

NOT TO SCALE

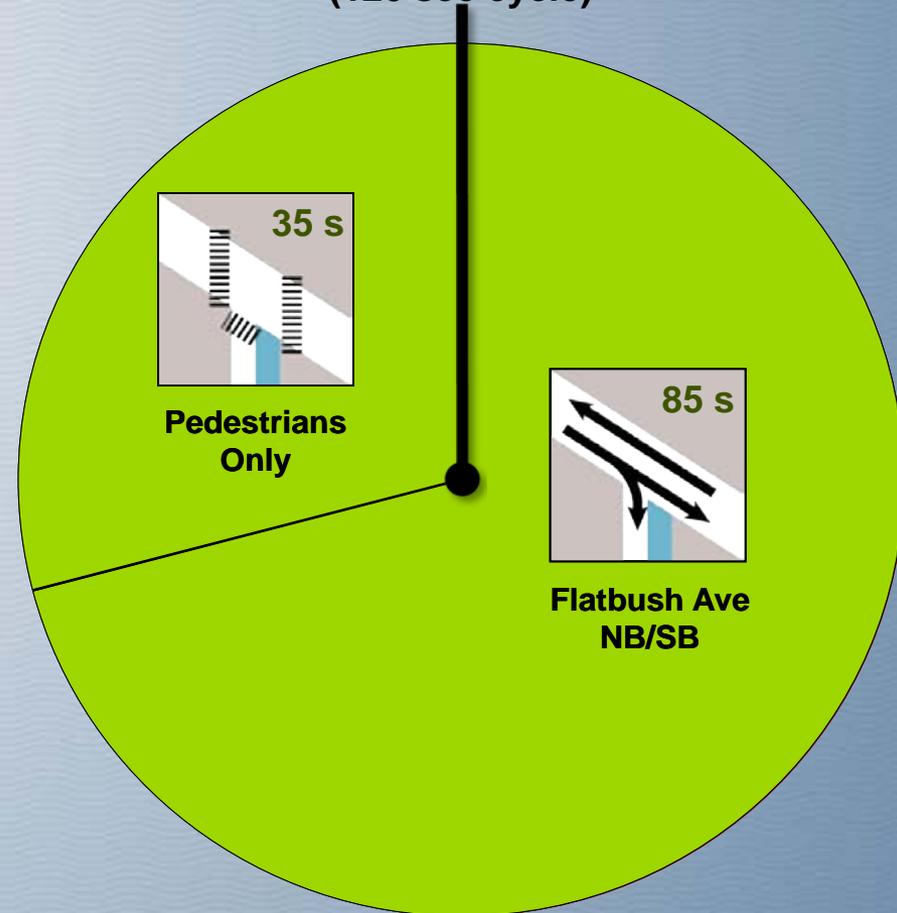


Signal Timing Changes: Flatbush Ave & Fourth Ave

Existing Signal Timing
(120 sec cycle)

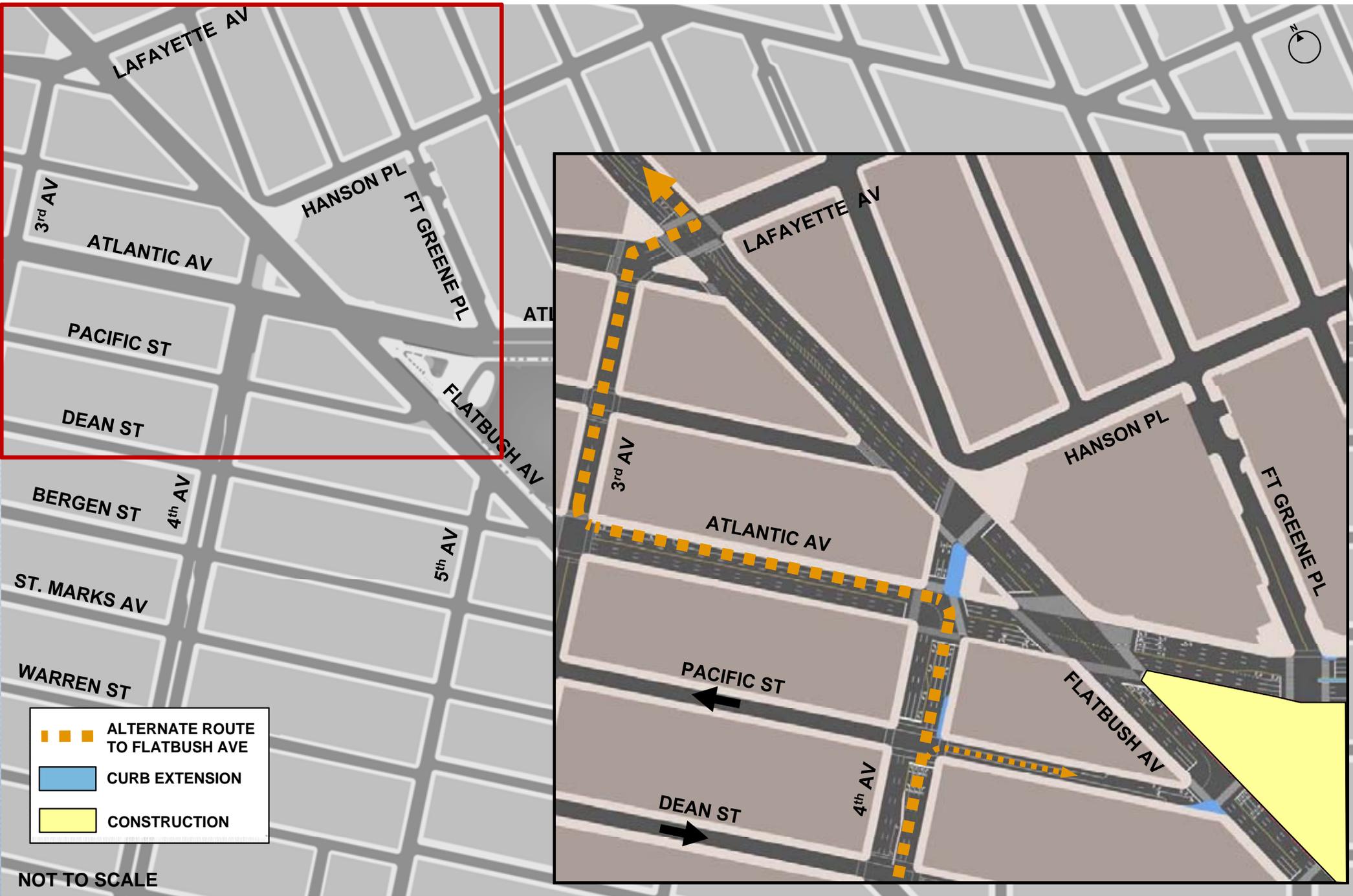


FEIS Proposed Signal Timing
(120 sec cycle)



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

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

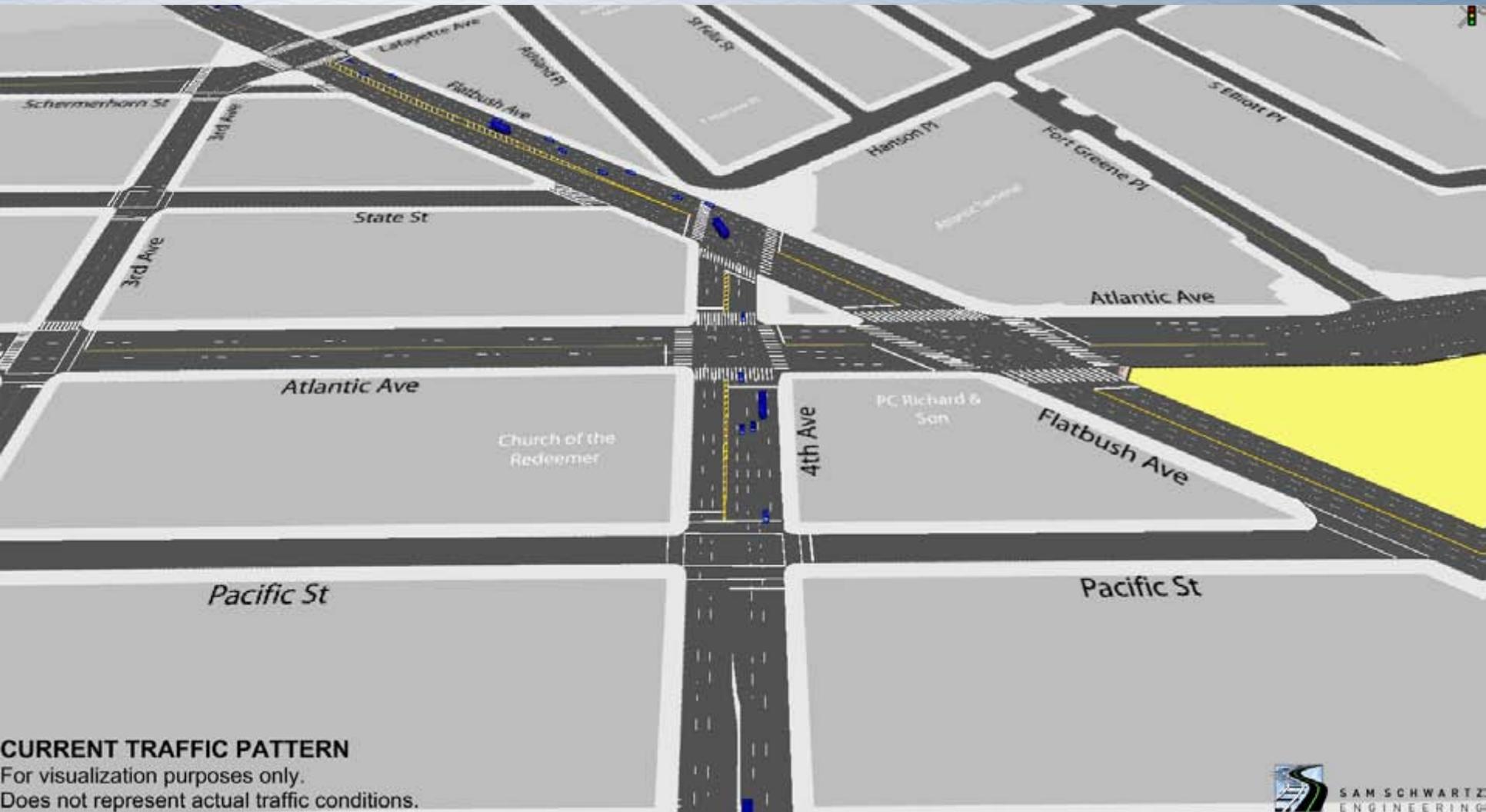


Atlantic Ave at 3rd Ave Dedicated Right-Turn Lane: Summer 2011



NOT TO SCALE

Current Traffic Pattern



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



New Traffic Pattern



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



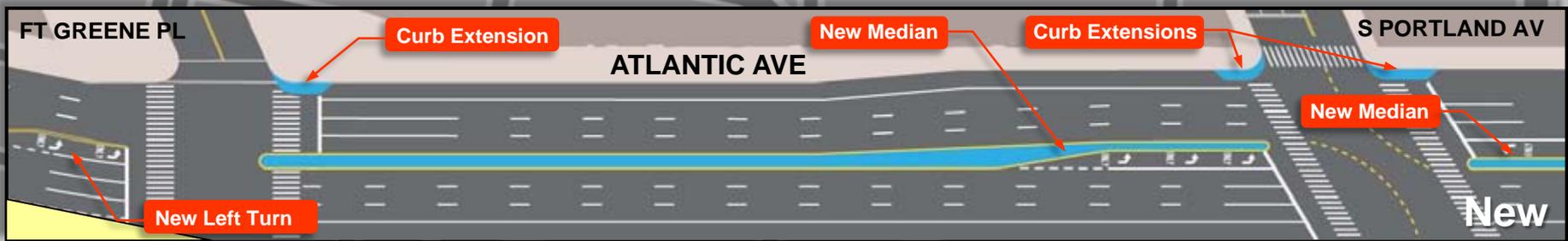
Temporary TEA and VMS Locations: 4th Ave/Pacific St Changes



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

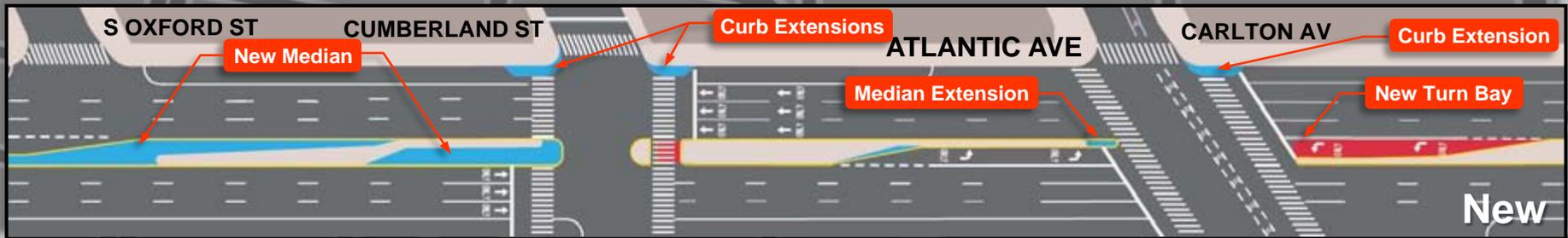
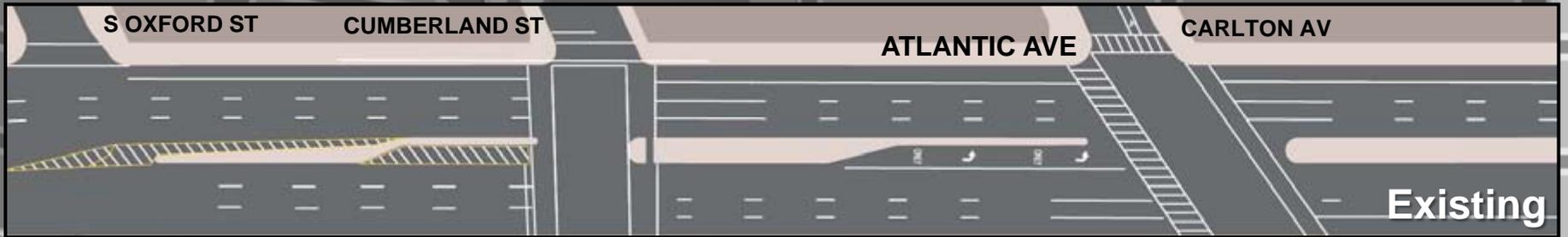


 CURB EXTENSION



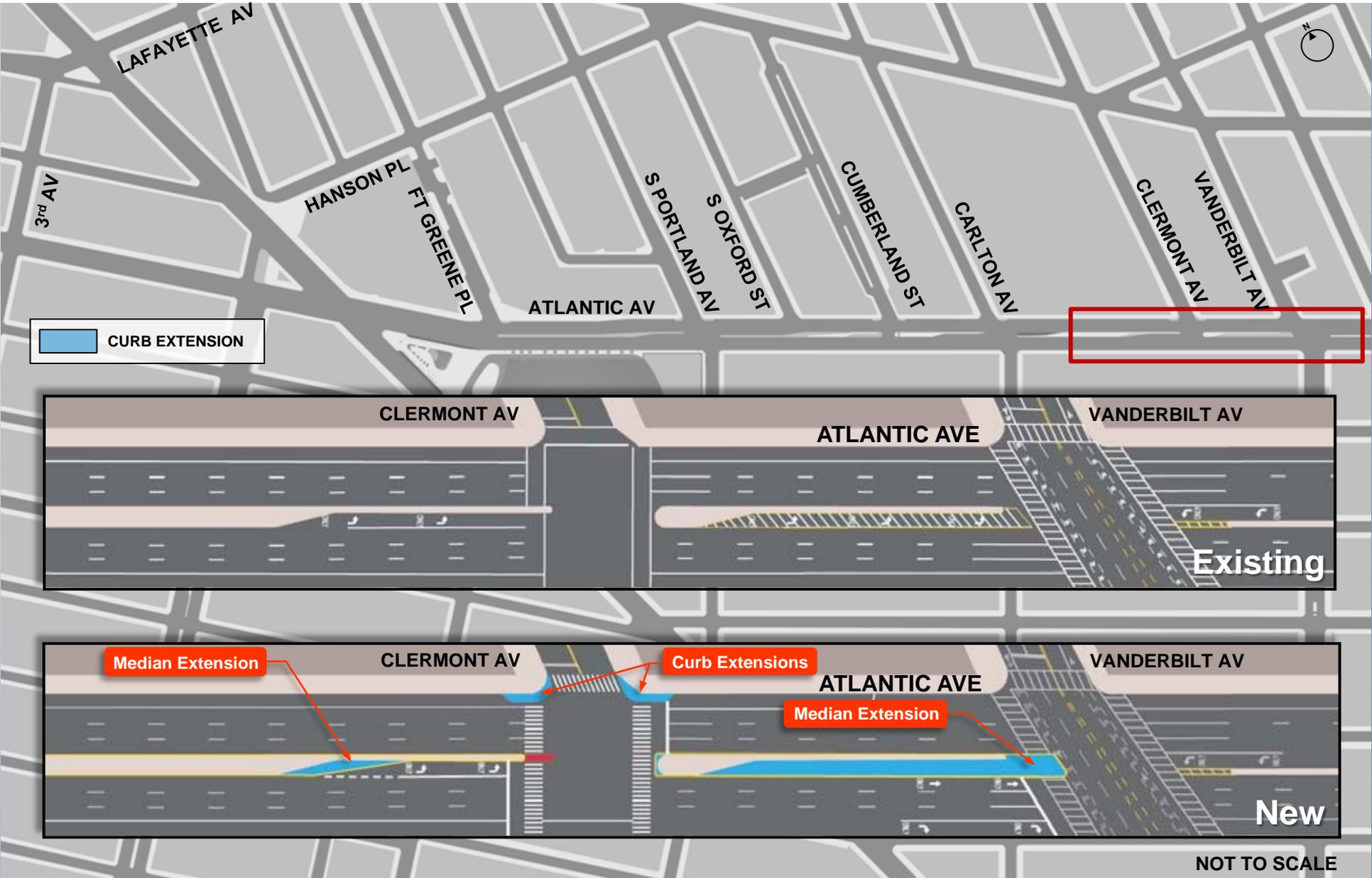
NOT TO SCALE

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



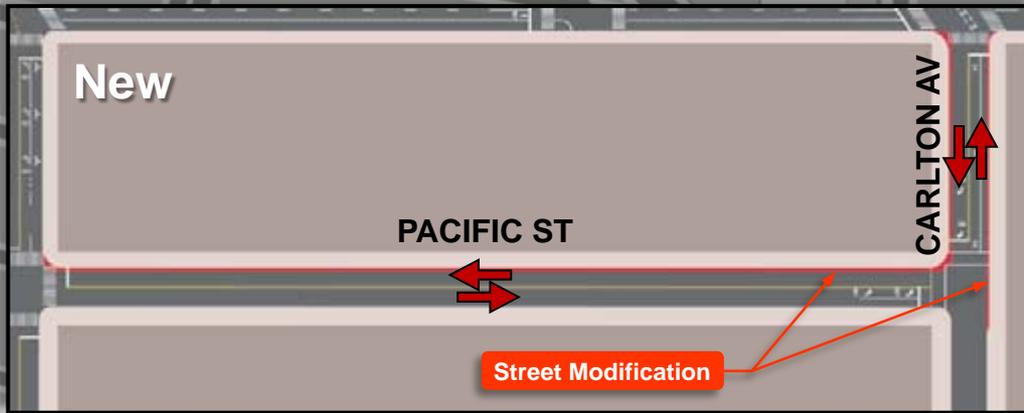
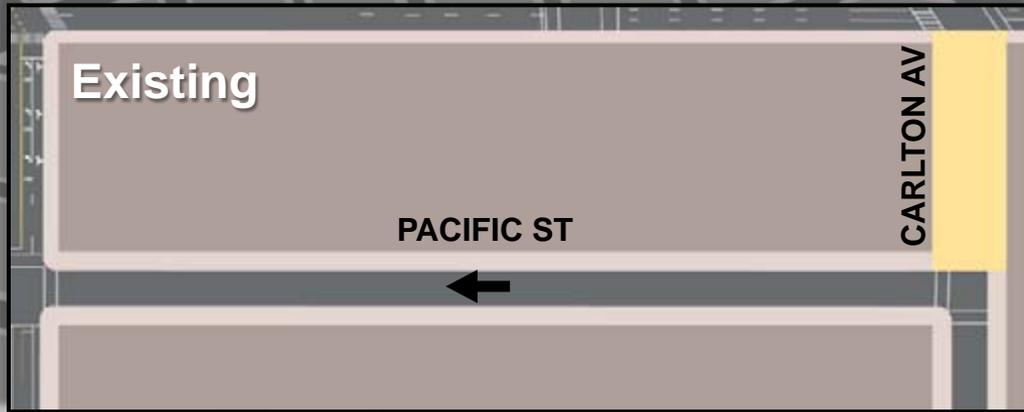
NOT TO SCALE

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



NOT TO SCALE

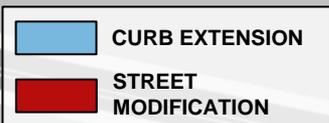
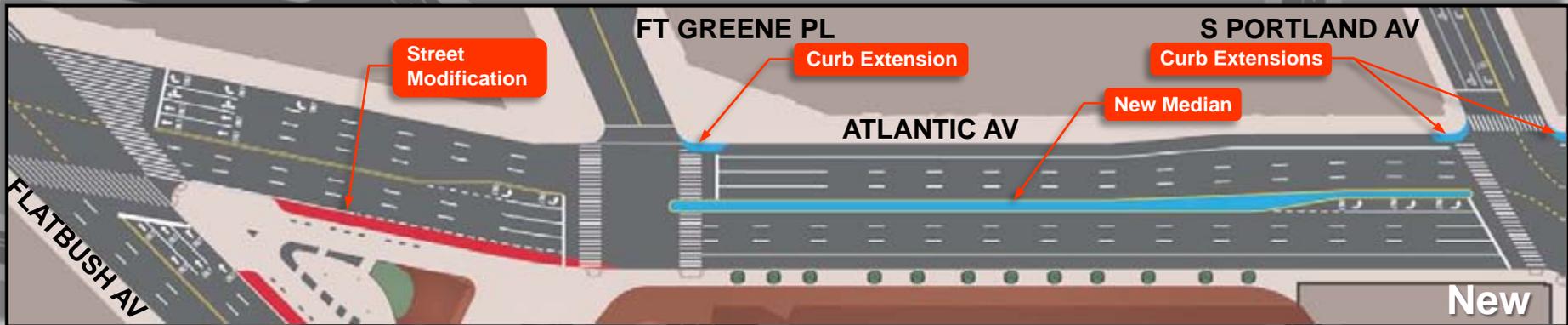
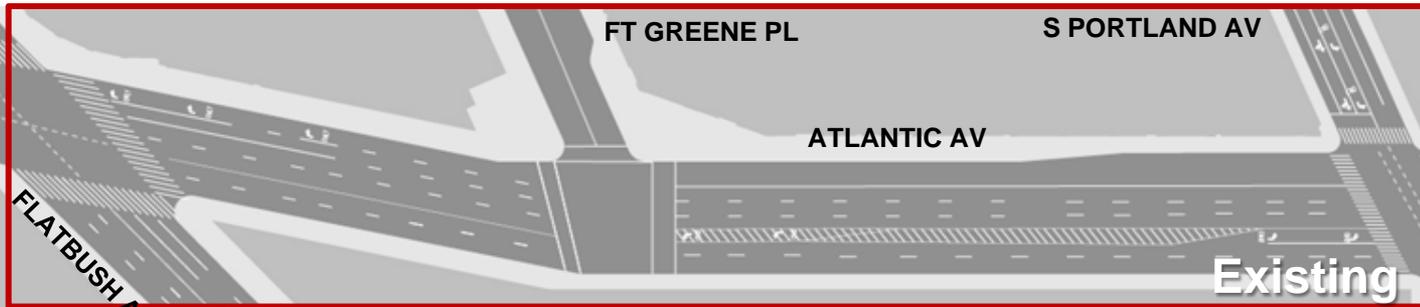
Carlton Ave Bridge / Pacific St: Implementation Summer 2012



	EXISTING STREET DIRECTION
	NEW STREET DIRECTION
	STREET MODIFICATION

NOT TO SCALE

Arena Block Improvements: Implementation Summer 2012



NOT TO SCALE

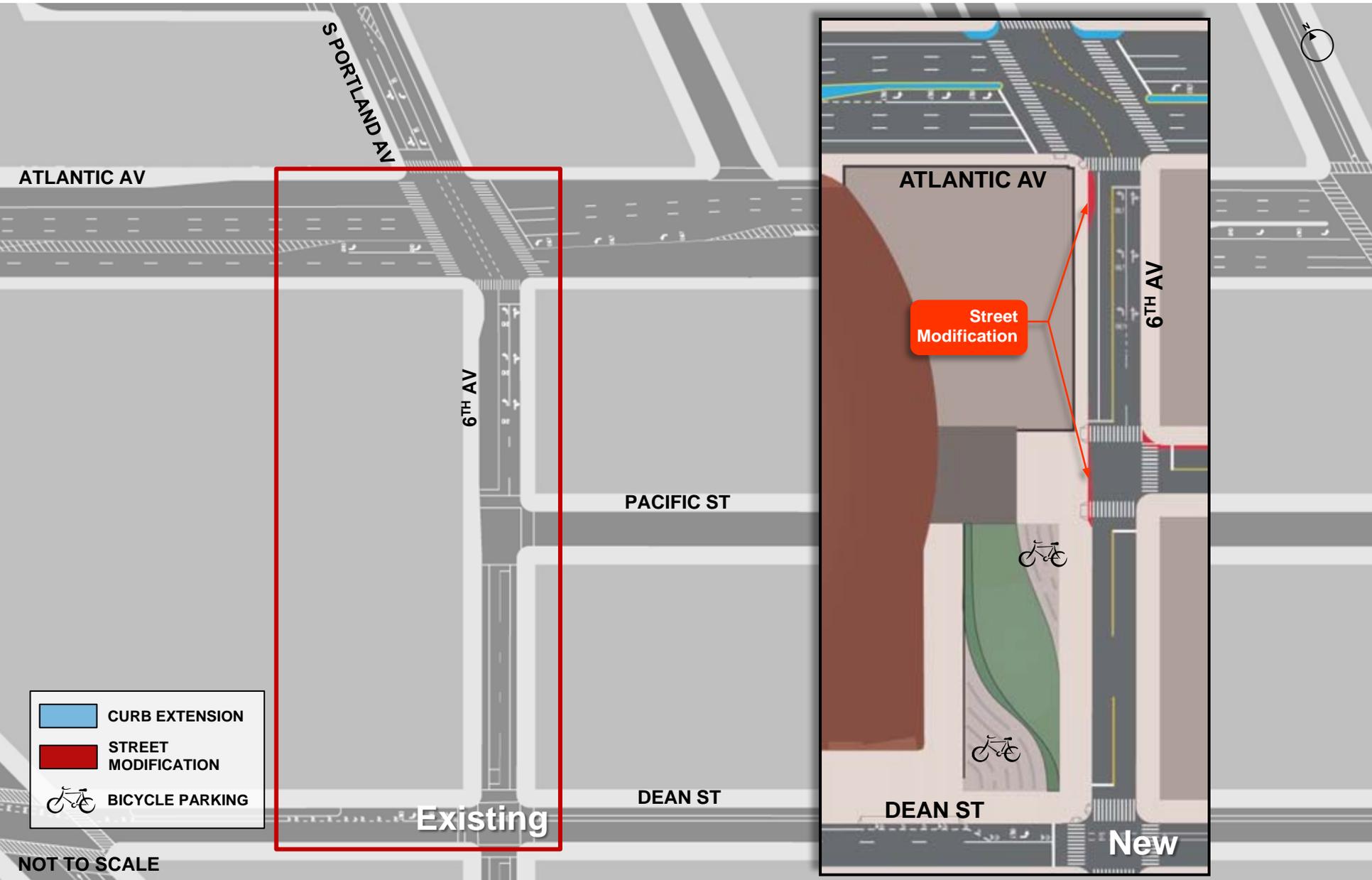
Arena Block Improvements: Implementation Summer 2012



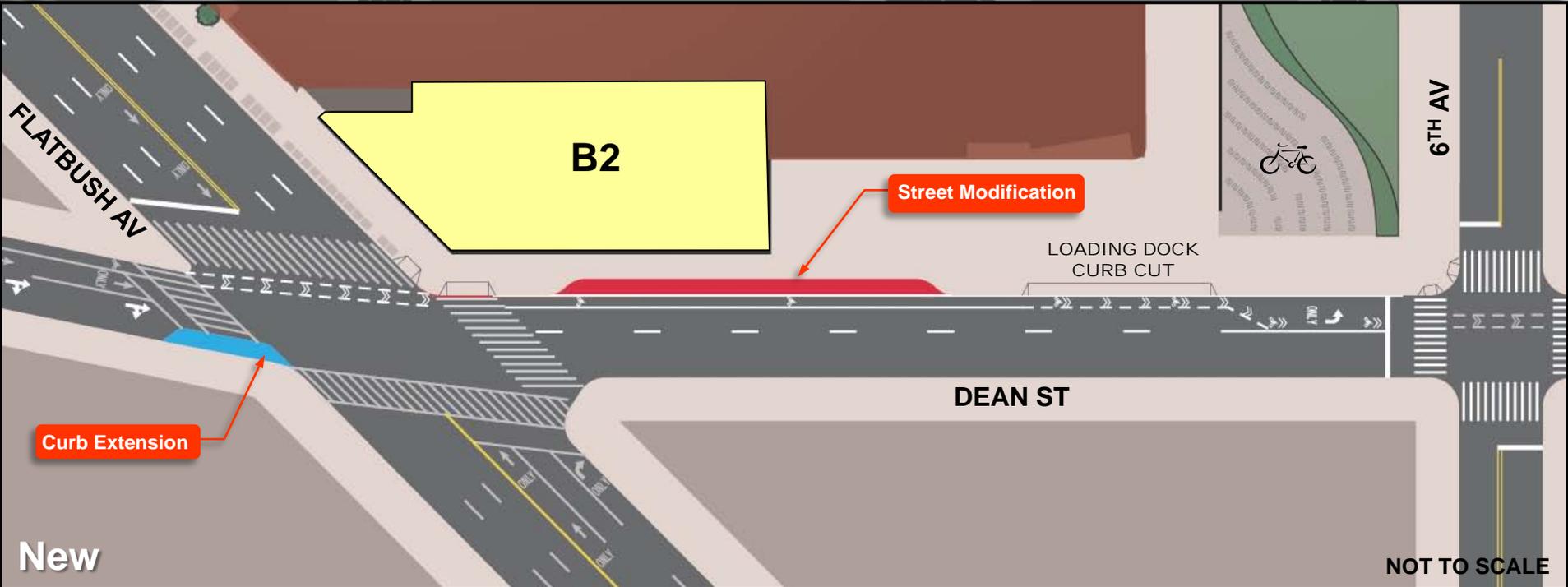
-  NEW TRAFFIC SIGNAL
-  CURB EXTENSION
-  STREET MODIFICATION

NOT TO SCALE

Arena Block Improvements: Implementation Summer 2012



Arena Block Improvements: Implementation Summer 2012



Local Area Signal Timing Changes



NOT TO SCALE

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