

HWK639W - Reconstruction of Tillary Street Area



Presentation to CB2 Transportation Committee

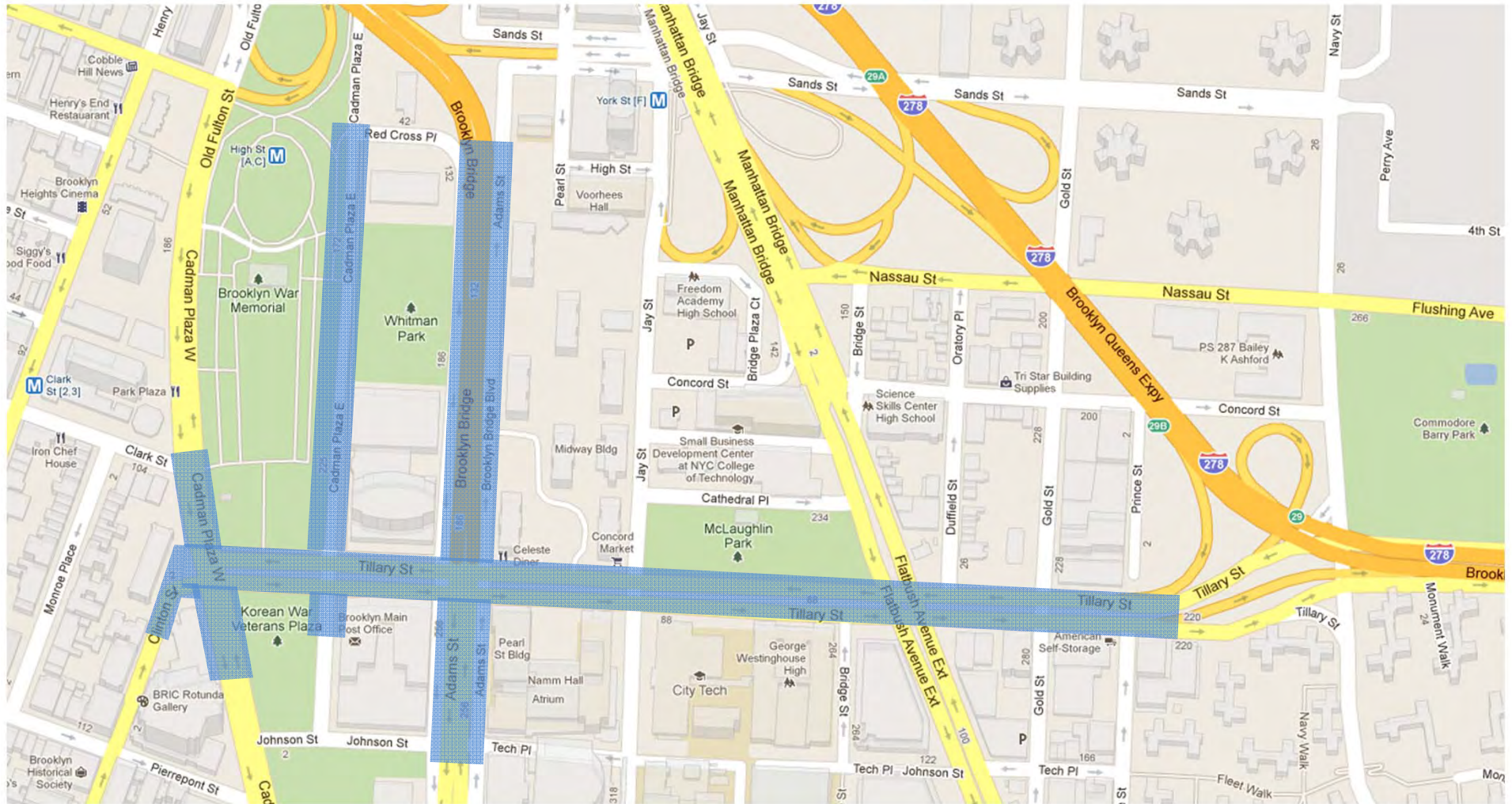


Baker

Outline

- Review of Project Background
- Community Participation Process
- Crash Statistics and Volumes
- Capital Project Status
- Schematic Geometric Design
- Landscape Design
- Project Milestones

Project Location Map



LEGEND

PROJECT LIMIT



Project Objectives

- Improve safety by adding traffic calming
- Enhance pedestrian and bicycle experience
- Provide wider medians & neck downs for pedestrian refuge/reduced crosswalk distance
- Upgrade the overall visual appearance of the roadway
- Enhance a major Gateway to Brooklyn
- Improve vehicular operations and safety

Scope of Work

- 5500 LF of Pavement Reconstruction
- Bicycle Lane Upgrades
- Wider Sidewalks and Raised Medians
- Landscaping and Urban Design Improvements
- 900 LF of Combined Sewer Replacement
- 4,000 LF of Water Main Replacement
- Traffic Signal Upgrades at 7 Intersections
- New Street Lighting, Signs and Pavement Markings
- New Catch Basins

Tillary Street Improvements Timeline

May 2004	Downtown Brooklyn Traffic Calming Project Report (NYCDOT)
January 2009	Community Workshop #1
June 2009	Follow up Community Workshop #2
September 2011	Follow up presentation to Community Board
October 2011	DDC awards Reconstruction of Tillary Street Area design contract to Michael Baker Engineering, Inc.
January 2012	Follow up meeting with Concord Village

Community Participation

Two Community Workshops

January 2009

June 2009



NEW YORK CITY DOT

The New York City Department of Transportation (NYCDOT) wants your ideas on:

The Future of Tillary Street

Tillary Street plays a key role in the transportation network of Downtown Brooklyn, providing linkages for pedestrians, motorists, and cyclists alike. Tillary Street is scheduled for total reconstruction in 2012. This provides an opportunity to reconceptualize how this roadway works for all of its users. It is not too early to start talking about how this street can look and function in the future.

Public Workshop

Tuesday, January 27, 2009 from 6:00 - 8:00 PM
at St. Francis College Auditorium
180 Remsen Street (between Court and Clinton Streets)

The workshop will include:

- Presentation by NYCDOT Staff,
- Small Group Discussions of Tillary Street Issues and Visions
- and Hands-on Participation in Concept Development

Please RSVP by January 23rd to
balexander@dot.nyc.gov or 718-222-7259

Subway Directions
Take the 2, 3, 4, 5 or R line to Court Street/Borough Hall

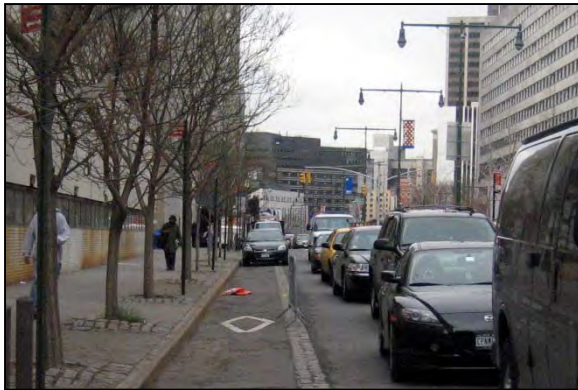
For more information please visit the NYCDOT Website at: www.nyc.gov/dot



Workshop #1 – Format

- 56 attendees at St. Francis College – 1/27/09
- DOT Power Point Presentation
- Small Group Breakout Sessions
 - Identified issues and suggestions
 - Presented discussion results to large group

Workshop #1 – Issues Identified



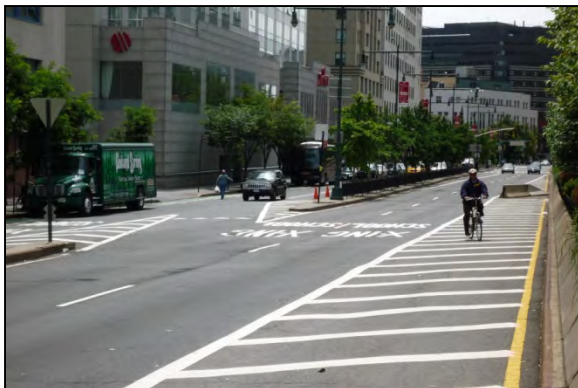
Parking in Bicycle Lanes



'Highway' Design Creates Barrier



Pedestrian Safety



Cyclist Safety

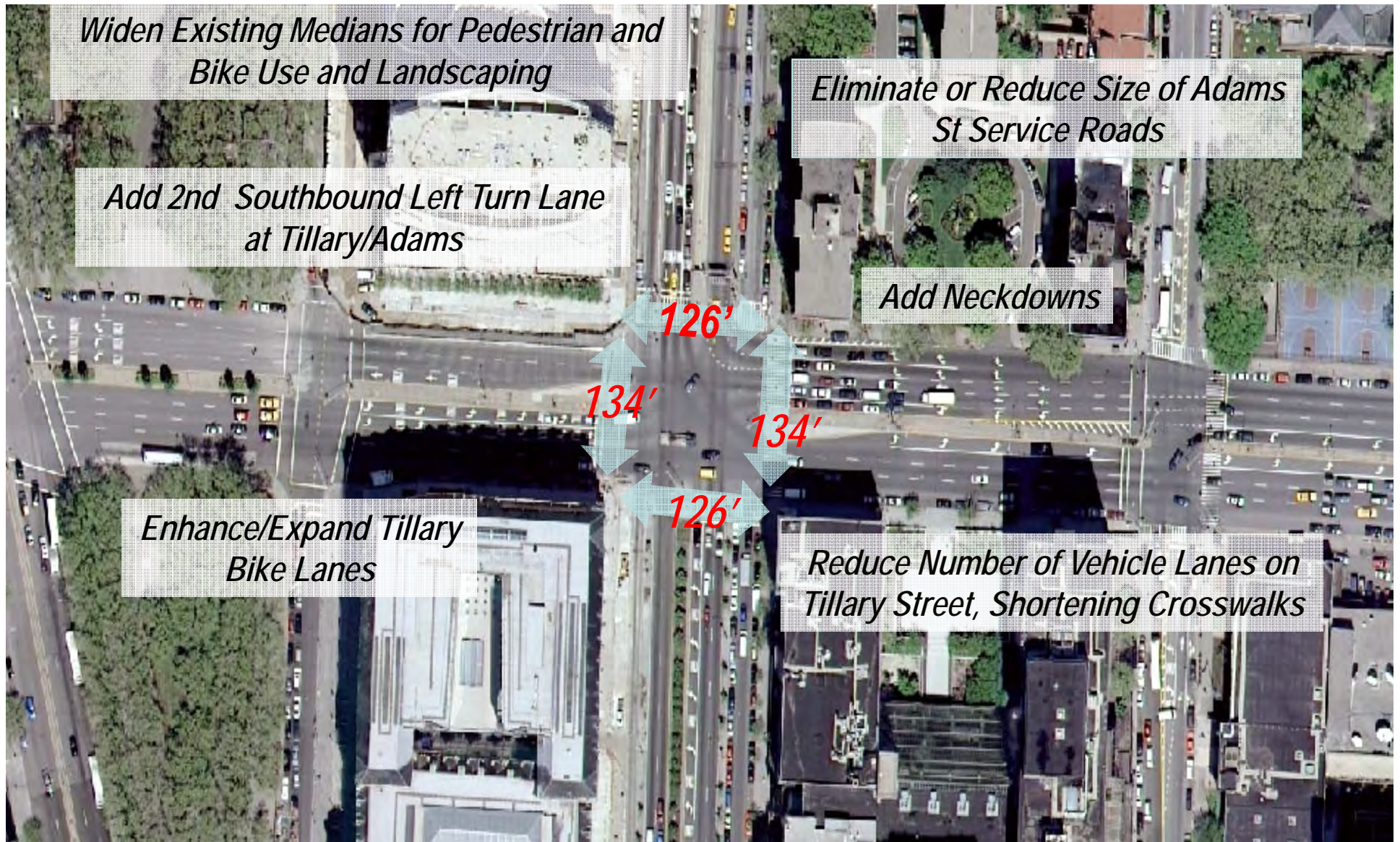


Permit Parking



Long Crossings

Workshop #1 – Suggestions



Workshop #2 – Format

- 35 attendees at Borough Hall – 6/23/09
- Draft Conceptual Design Presented by DOT
- Question and Answer Session
- Informal Review/Discussion of Conceptual Plans
- Evaluation Forms

Workshop #2 – Conceptual Plan



Workshop #2

Additional Feedback

- Many expressions of support
- Some participants concerned about traffic operations/capacity on Adams Street (SB and NB)
- Many small-scale design suggestions (e.g., bike lane extensions, signal timing, additional neckdowns)

Workshop #2 Follow up

- Met with Concord Village Representatives Onsite to discuss specific concerns
 - Configuration of service road on Adams Street northbound
 - 2-way bicycle path proposed for Tillary Street between Jay Street and Adams Street
 - Accommodating deliveries of the supermarket at Jay and Tillary Street
- Refined Conceptual Plans based on Workshop #2 and Site Visit Comments
- Follow up presentation to Community Board in September 2011.

Crash Data - Comparison to Statewide Averages

NYSDOT Crash Rate Comparison Table

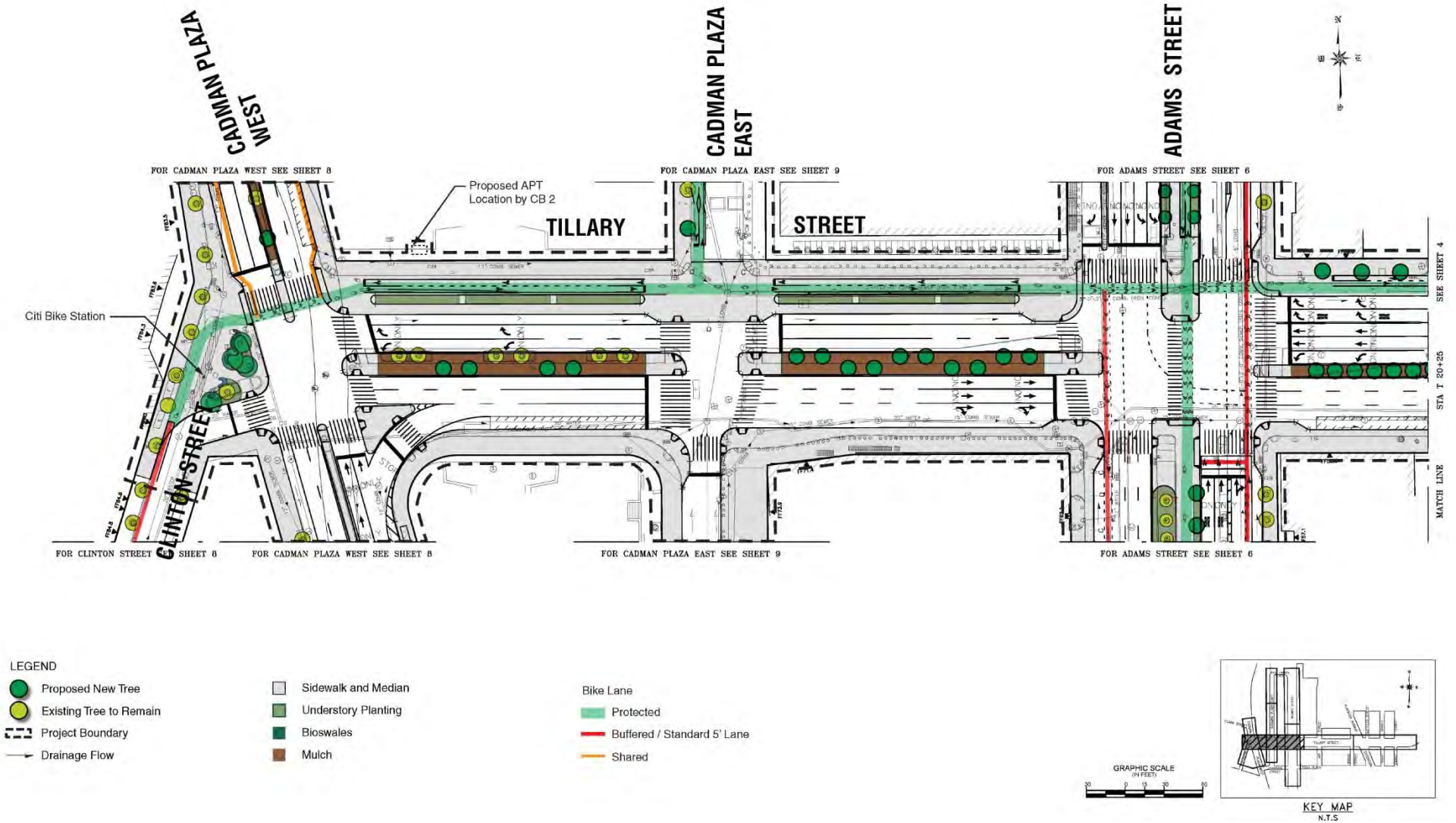
Intersection	Number of Crashes				Intersection Crash Rate (crash/MEV)	Statewide Average
	2008	2009	2010	Average		
1 Tillary St/Canton St & Cadman Plaza W	4	4	1	3.0	0.31	0.17
2 Tillary St & Cadman Plaza E	1	0	0	0.3	0.05	0.12
3 Tillary St & Adams St	39	36	42	39.0	1.49	0.17
4 Tillary St & Jay St	15	14	15	14.7	0.75	0.17
5 Tillary St & Flatbush Ave	35	39	37	37.0	1.05	0.17
6 Tillary St & Gold St	8	9	11	9.3	0.51	0.17
7 Tillary St & Prince St	3	2	2	2.3	0.22	0.10
8 Tech Pl/Johnson St & Adams St	2	2	4	2.7	0.19	0.10

Crash Data (2008-2010)

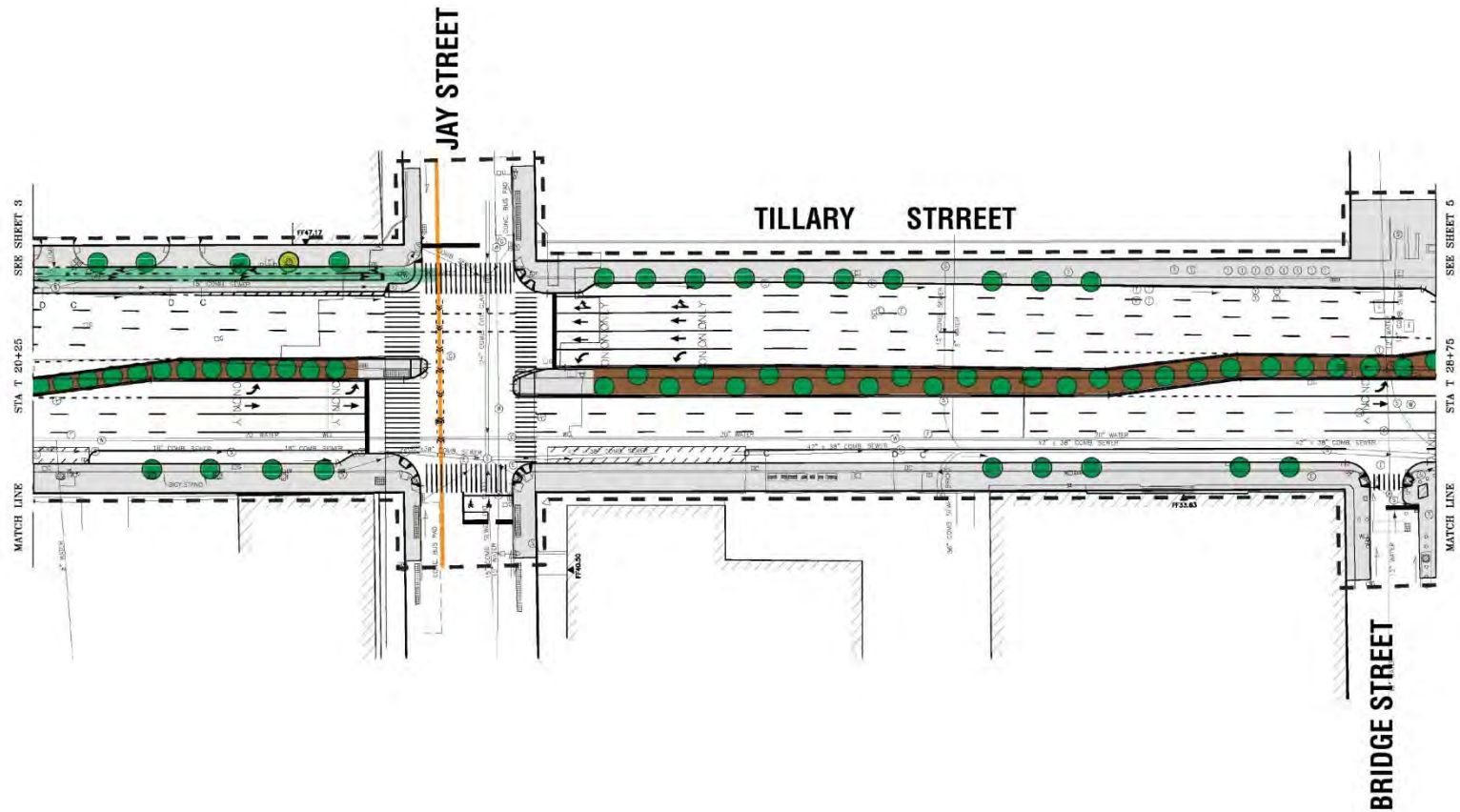
Summary of Three-Year Crash Data by Location – Tillary Street Area (January 2008 through December 2010)

Location	# of Crashes	# of Fatalities	# of Injury Crashes	# of Injuries by Type			
				Pedestrian	Bike	Motor Vehicle	Total
Tillary St/Clinton St and Cadman Plaza West	9	0	8	4	0	8	12
Tillary St & Cadman Pl East	1	0	0	0	0	0	0
Tillary St & Adams St	117	0	85	7	10	127	144
Tillary St & Jay St	44	0	32	9	9	20	38
Tillary St & Flatbush Ave	109	0	73	4	4	104	112
Tillary St & Duffield St	2	0	2	1	0	1	2
Tillary St & Gold St	28	0	15	5	0	14	19
Tillary St & Prince St	7	0	4	1	0	3	4
Tech Pl/Johnson St & Adams St	8	0	6	1	1	6	8

Tillary Street – Plan 1

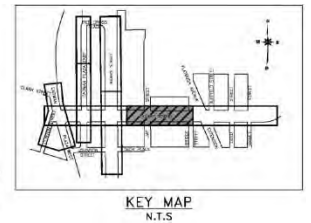
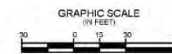


Tillary Street – Plan 2

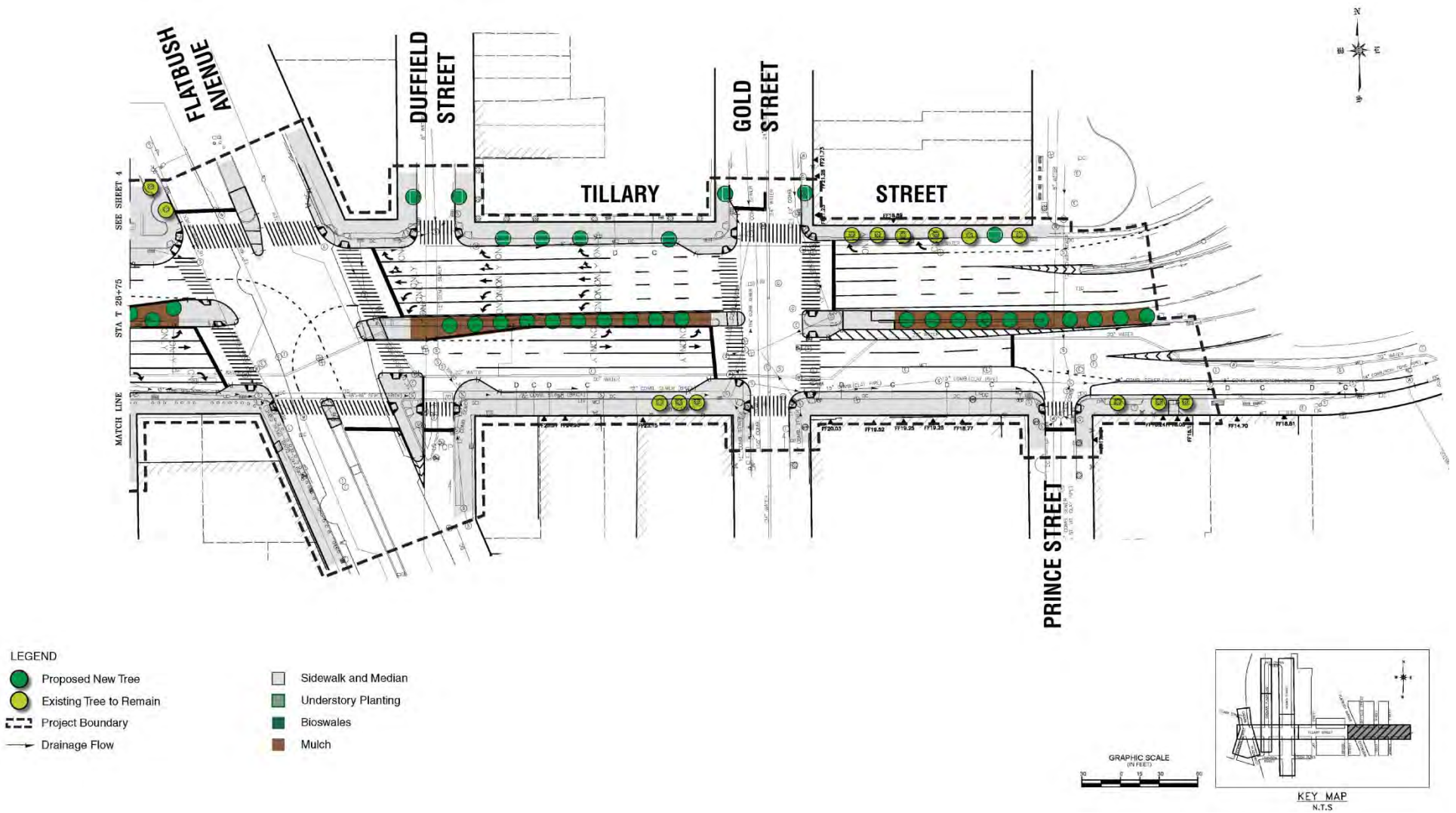


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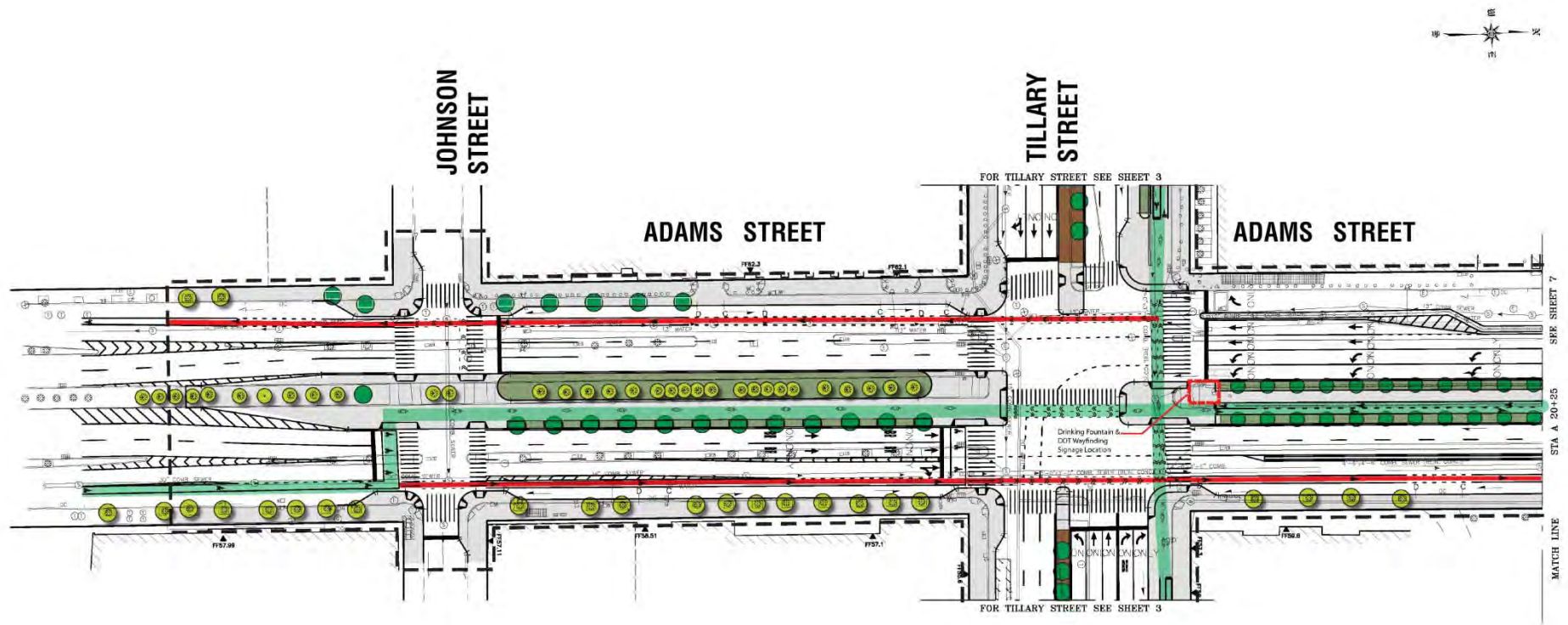
- | | | |
|-------------------------|---------------------|-----------------------------|
| Proposed New Tree | Sidewalk and Median | Protected Bike Lane |
| Existing Tree to Remain | Understory Planting | Buffered / Standard 5' Lane |
| Project Boundary | Bioswales | Shared Bike Lane |
| Drainage Flow | Mulch | |



Tillary Street – Plan 3

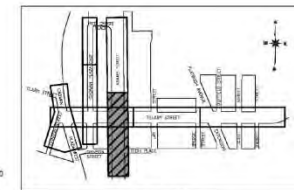


Adams Street – Plan 1

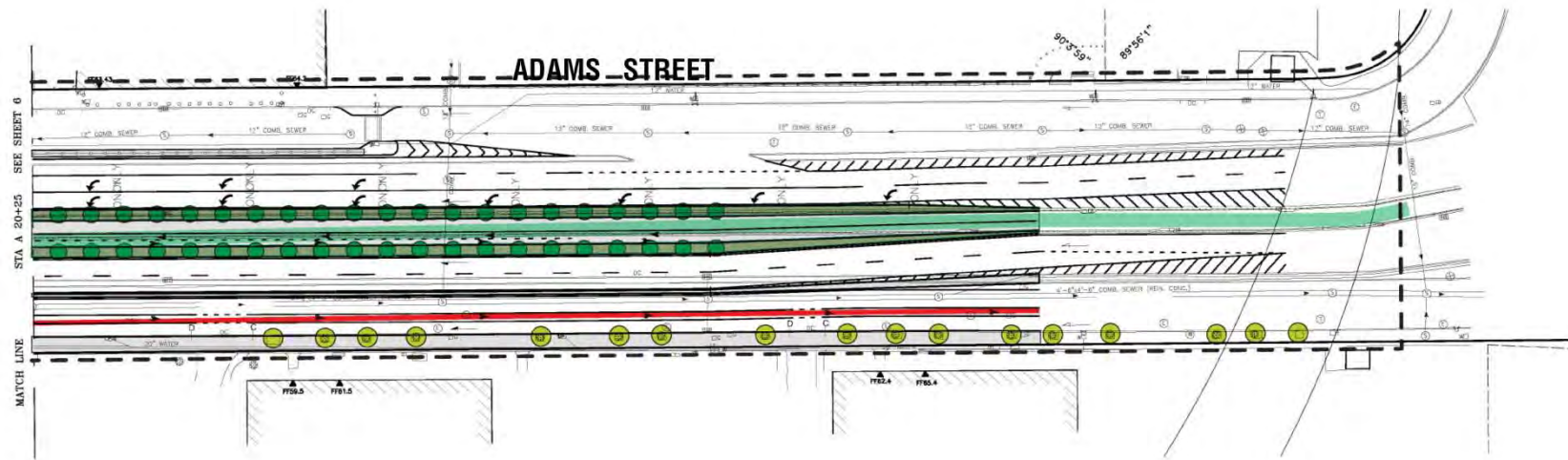


LEGEND

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| Proposed New Tree | Sidewalk and Median | Bike Lane |
| Existing Tree to Remain | Understory Planting | Protected |
| Project Boundary | Bioswales | Buffered / Standard 5' Lane |
| Drainage Flow | Mulch | Shared |

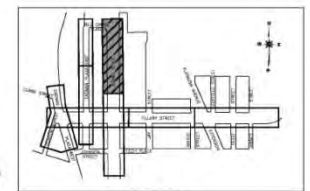


Adams Street – Plan 2



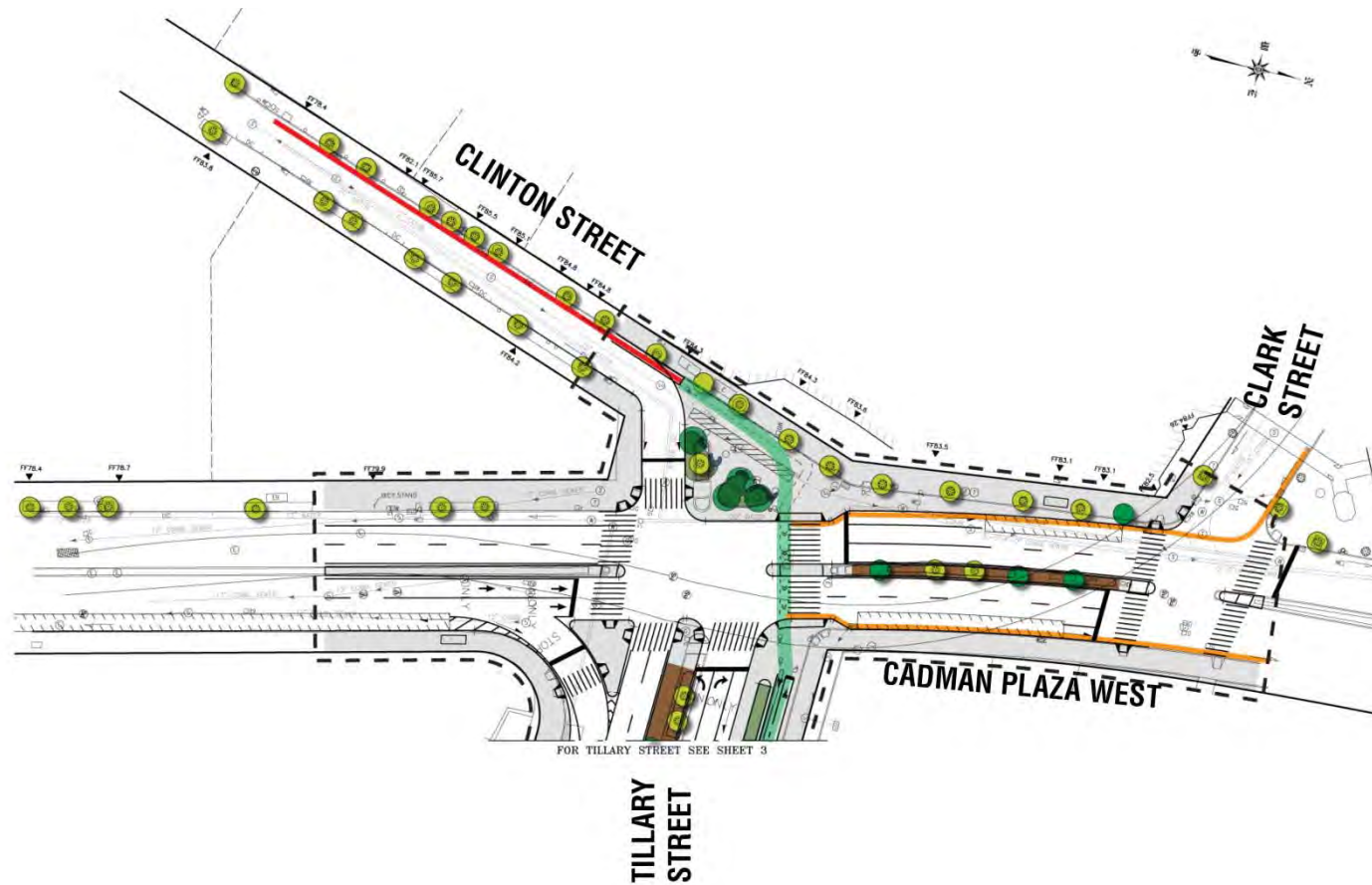
LEGEND

- | | | |
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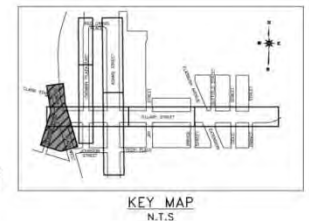
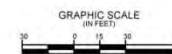
KEY MAP
N.T.S.

Clinton Street - Plan

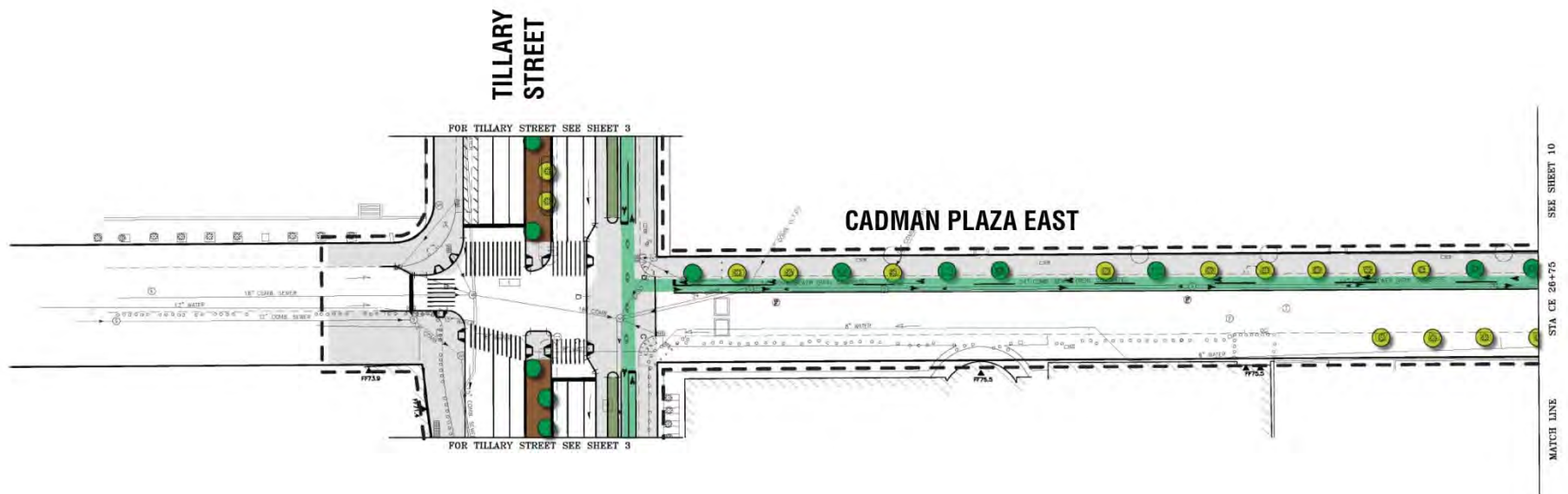


LEGEND

- | | | |
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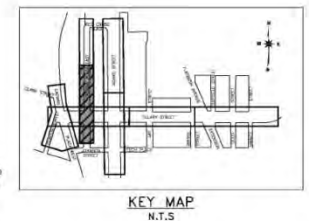


Cadman Plaza East - Plan 1

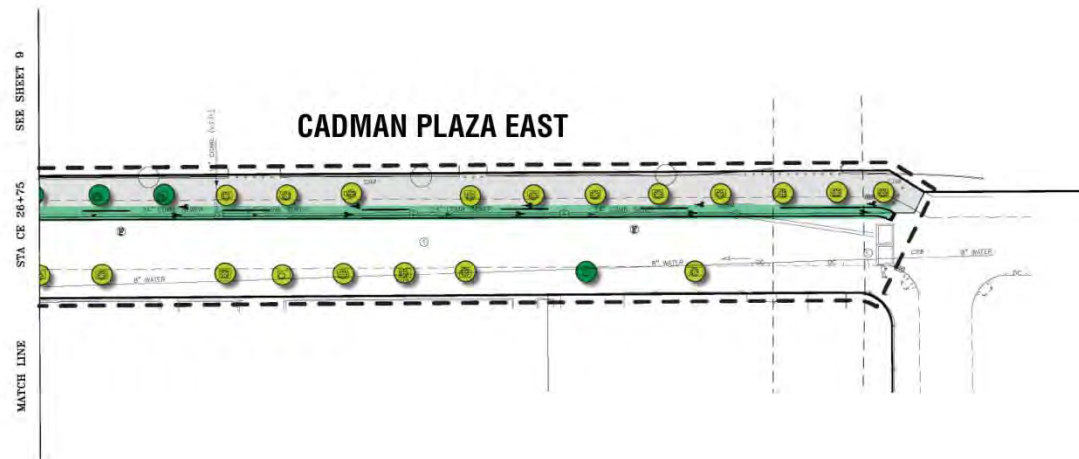
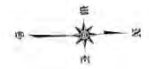


LEGEND

- | | | |
|-------------------------|---------------------|-----------------------------|
| Proposed New Tree | Sidewalk and Median | Bike Lane |
| Existing Tree to Remain | Understory Planting | Protected |
| Project Boundary | Bioswales | Buffered / Standard 5' Lane |
| Drainage Flow | Mulch | Shared |



Cadman Plaza East - Plan 2

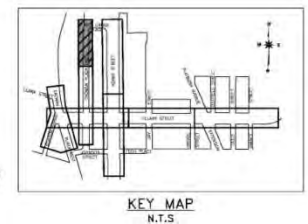


LEGEND

- Proposed New Tree
- Existing Tree to Remain
- Project Boundary
- Drainage Flow

- Sidewalk and Median
- Understory Planting
- Bioswales
- Mulch

- Bike Lane
- Protected
- Buffered / Standard 5' Lane
- Shared



Paving and Street Furniture



DOT BIKE RACK



DOT PIGMENTED
CONCRETE WITH SILICON
CARBIDE TREATMENT



WATER BOTTLE
FILLING STATION



NEW DSNY TRASH RECEPTACLE



DOT CITY BENCH



6" OCONEE GRANITE CURB



PLANTING GUARD



CITY LIGHT

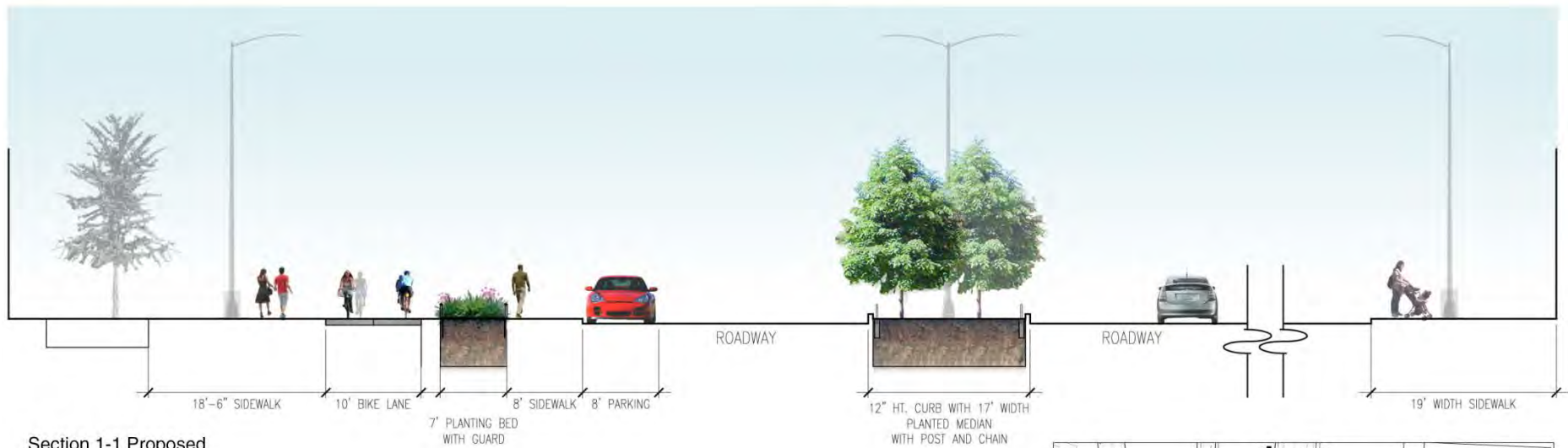
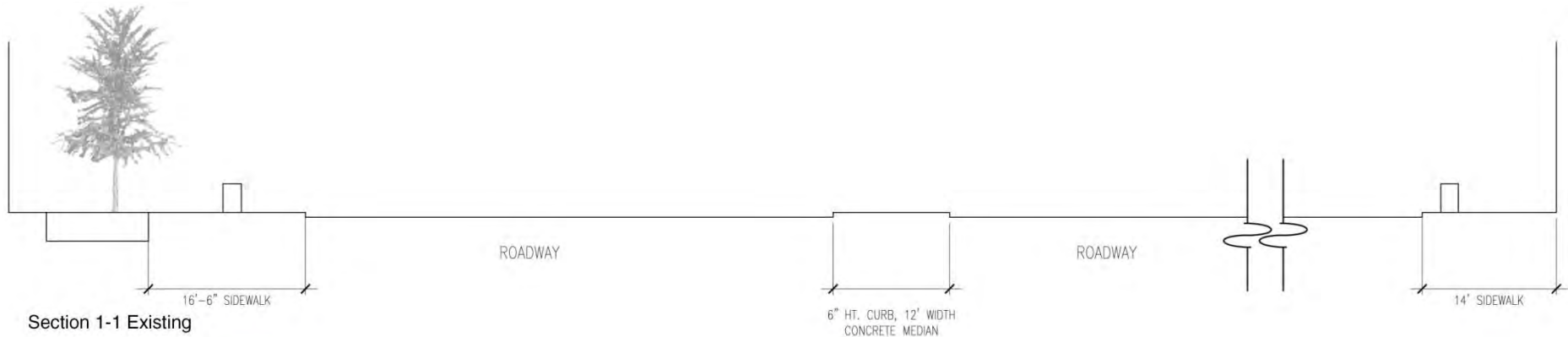


MEDIAN BOLLARD

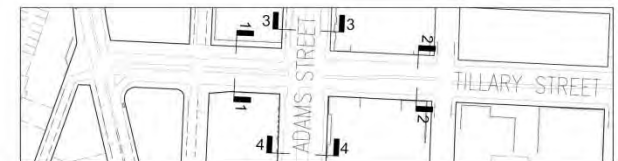


DOT WAYFINDING SIGNAGE

Proposed – Typical Section – Tillary St. West of Adams St.

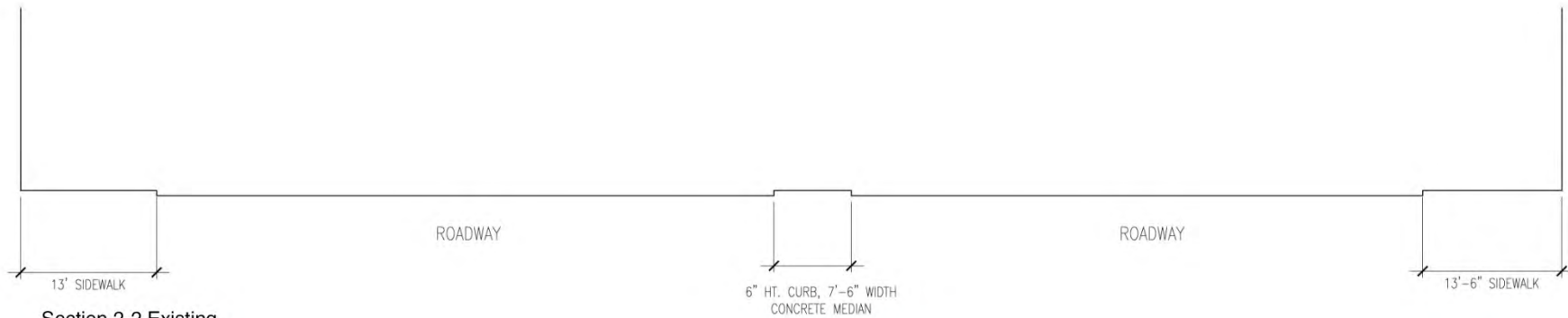


GRAPHIC SCALE
(IN FEET)



Typical Sections

Proposed – Typical Section – Tillary St. West of Jay St.

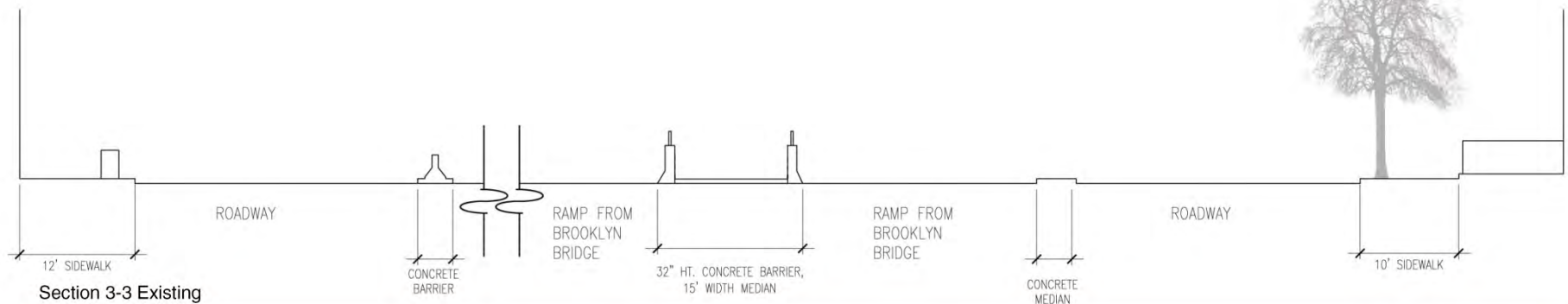


GRAPHIC SCALE
(IN FEET)



Typical Sections

Proposed – Typical Section – Adams St. North of Tillary St.

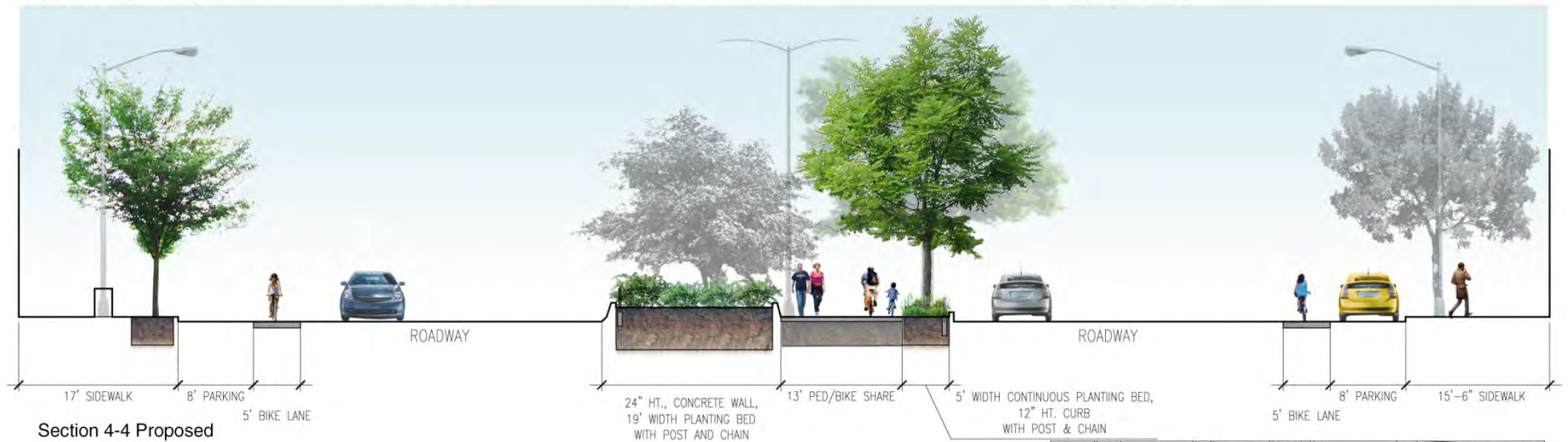
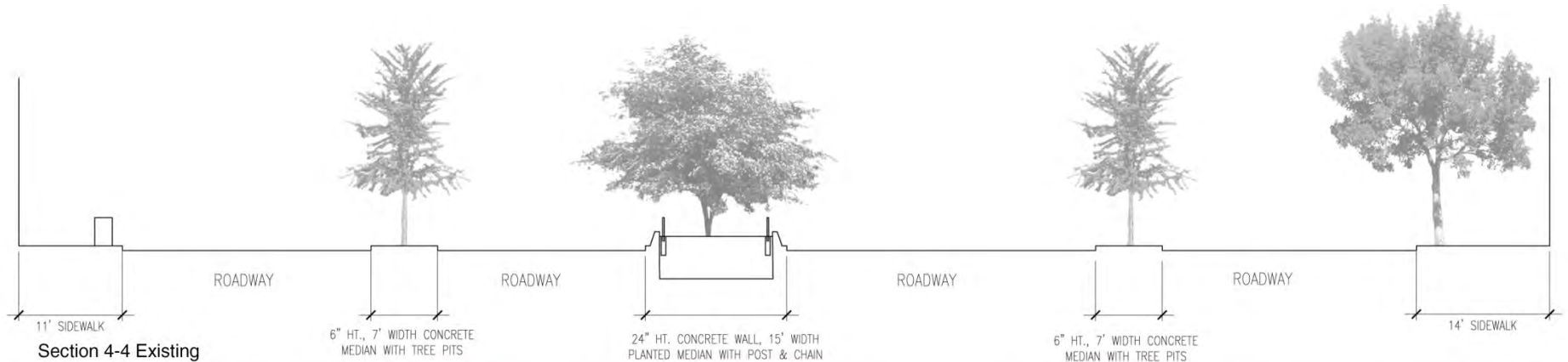


GRAPHIC SCALE
(IN FEET)



Typical Sections

Proposed – Typical Section - Adams St. South of Tillary St.



Typical Sections

Street Rendering – Tillary Street at Cadman Plaza East



Street Rendering – Tillary Street and Adams Street



BEFORE - TILLARY ST AT BRIDGE ST



AFTER - TILLARY ST AT BRIDGE ST



BEFORE - ADAMS ST N



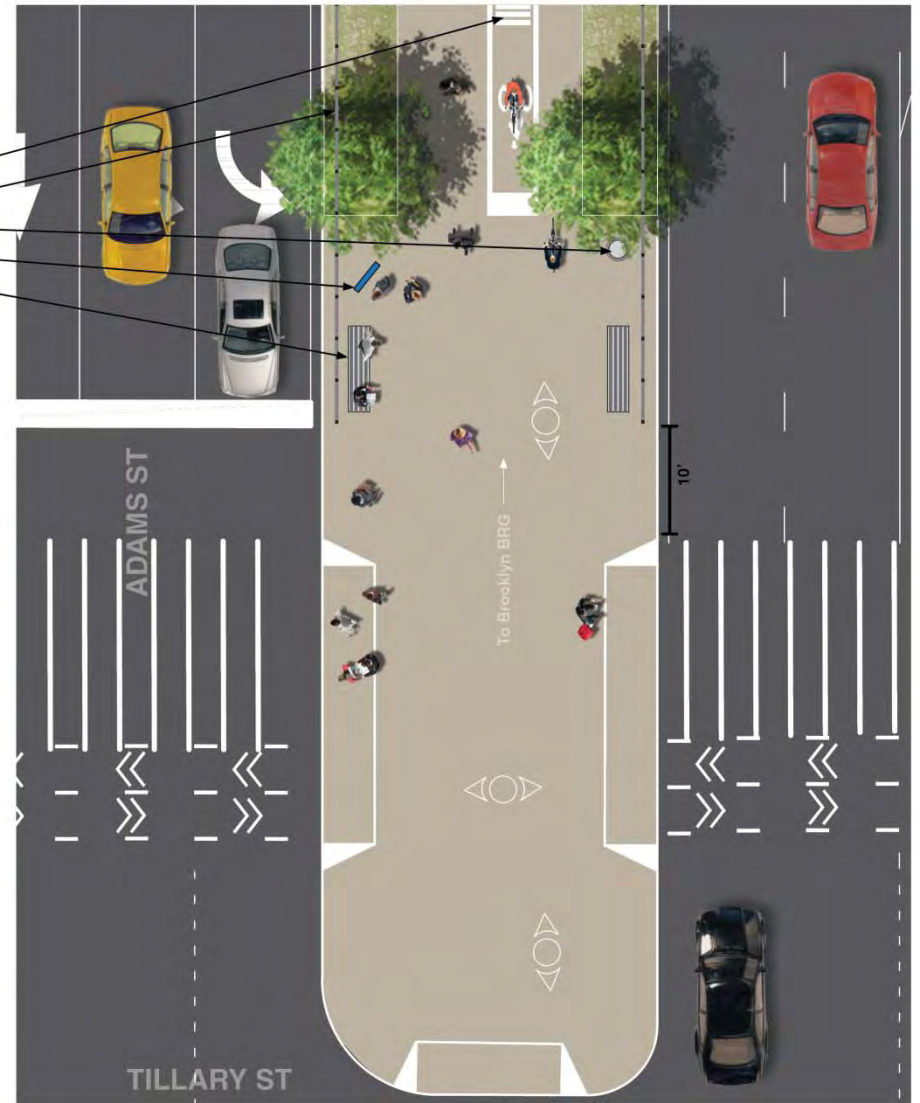
AFTER - ADAMS ST N

Street Rendering – Adams Street



BEFORE - ADAMS ST N

- Rumble Strip
- 2' HT. Post and Chain
- Water Bottle Filling Station
- DOT Wayfinding Signage
- DOT CityBench, Typ.



PROPOSED - ADAMS ST N

Project Implementation Timeline

Project Milestone Dates

2012-2013 Preliminary Design

2013-2014 Final Design

Late 2014/Early 2015 Construction Begins
(Phase 1 – Adams Street)

*Phase 2 – Tillary Street Construction
dependent upon future funding



Tillary and Adams Street

CB2 Transportation Committee Presentation

