



Broadway Streetscape Project

NYS DOT PIN 8780.49

City of Kingston



**Department of
Transportation**

MATTHEW J. DRISCOLL
Commissioner



U.S. Department of Transportation
Federal Highway Administration

GPI **Greenman-Pedersen, Inc.**
Engineering and Construction Services

Project Staff



Steve Noble – Mayor

Brenna Robinson – Director of Economic and Community Development

Kristen Wilson – Grants Manager and Project Manager

Ralph Swenson – City Engineer

GPI **Greenman-Pedersen, Inc.**

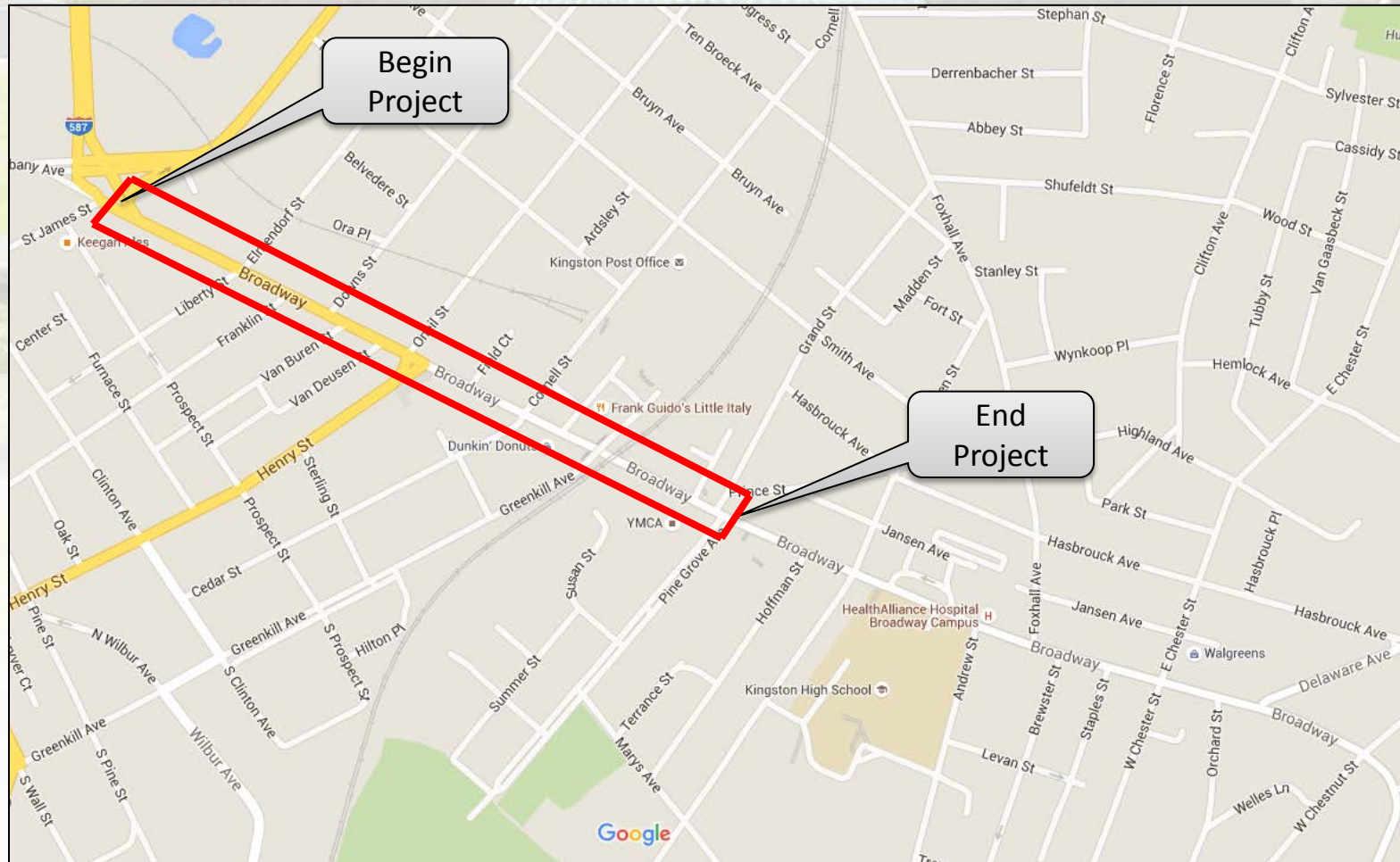
Engineering and Construction Services

Chris Cornwell, P.E. – Project Director

Casey Knapp, P.E. – Project Manager

Mike Wieszchowski, P.E., P.T.O.E. – Senior
Traffic Engineer

Project Limits



Federal Aid Process

Project Identification
Project Initiation
Scope Determination

} Scoping Phase

Preliminary Design
Public Information Meeting
Final Design

} Design Phase

← We are here in March 2017.

Bid Advertisement & Letting
Construction
Project Completion

} Construction Phase



Existing Conditions



Existing Conditions (Cont.)



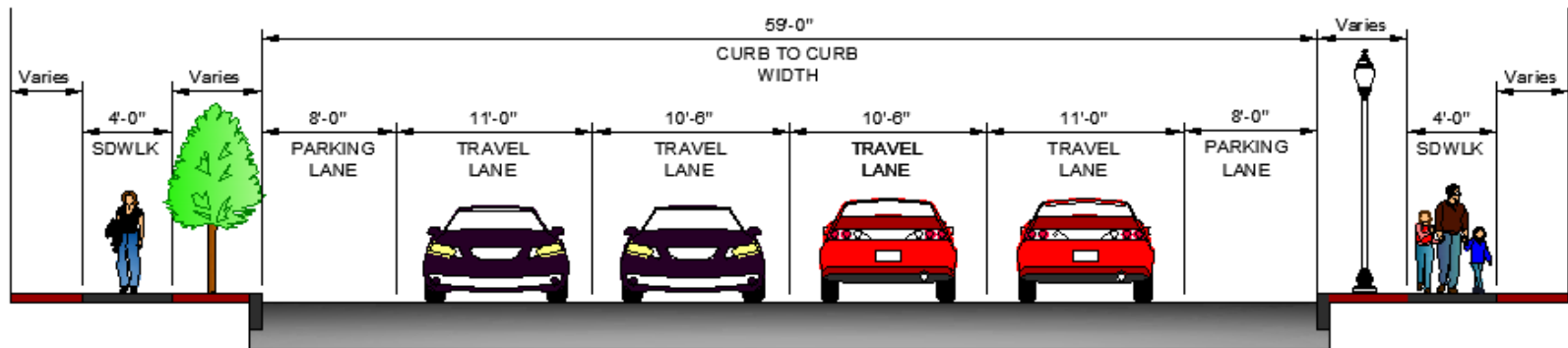
Project Goals

- Provide ADA accessible pedestrian accommodations, safe bicycle accommodations and aesthetic enhancements to the Broadway corridor from St. James Street to Grand Street.
- Implement “Road Diet” along the Broadway Corridor.
- Construct green infrastructure features to reduce the amount of stormwater runoff contributed to the City’s combined sewer system.
- Incorporate streetscape features including street trees, benches and pedestrian amenities into the corridor.
- Provide traffic signal & decorative street lighting improvements.

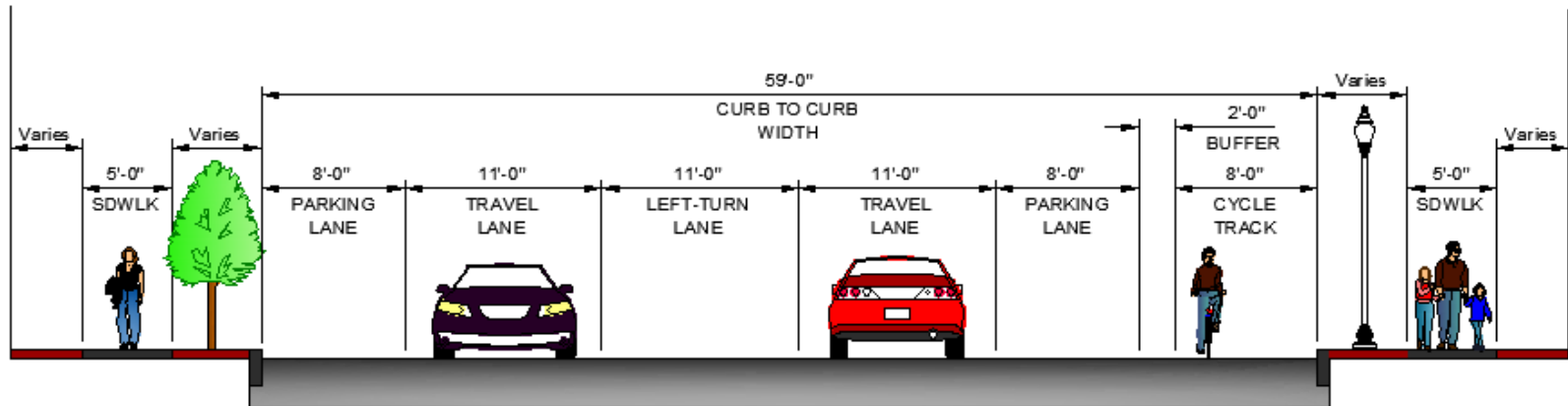


Proposed Design

Typical Section



Existing Broadway Typical Section



Proposed Road Diet Typical Section



Proposed Design

Sidewalk & Buffer Strip Material



Concrete



Permeable Pavers

According to FHWA "A Guide for Maintaining Pedestrian Facilities for Enhanced Safety" these materials have a service life of approximately 40 years.



Proposed Design

Concrete



- Traditional sidewalk material & readily available
- Easily placed & easy to maintain
- Inexpensive when compared to other sidewalk materials



Proposed Design

Permeable Pavers



- Aesthetically pleasing
- Can be placed in many different patterns
- Reduces stormwater runoff to combined sewer
- Durable



Proposed Design

National Register for Historic Places (UPAC)



Bluestone

- Maintain historic character
- Match existing materials
- Match existing pattern
- Match existing color



Brick



Proposed Design

Streetscape Features

- Curbing will be granite
- Crosswalks will be high-visibility
 - White reflective “ladder bar” type crosswalks will be installed



Proposed Design

Green Infrastructure Features

- Bio-Swale Tree Pits
- Permeable Pavers



Proposed Design

Streetscape Features

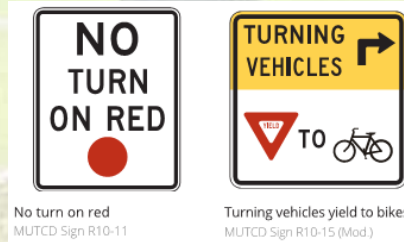
- Pedestrian Amenities
 - Decorative Lighting
 - Street Trees
 - Benches
 - Trash Receptacles
 - Bicycle Racks



Proposed Design

Protected Bike Lane

- Bike Lane Features
 - Regulatory Signs
 - Warning Signs
 - Colored Pavement at Conflict Areas
 - High-Visibility Markings
 - Bicycle Signals
 - Two-Stage Queue Boxes
 - Adequate sight distance



Proposed Design



LEGEND

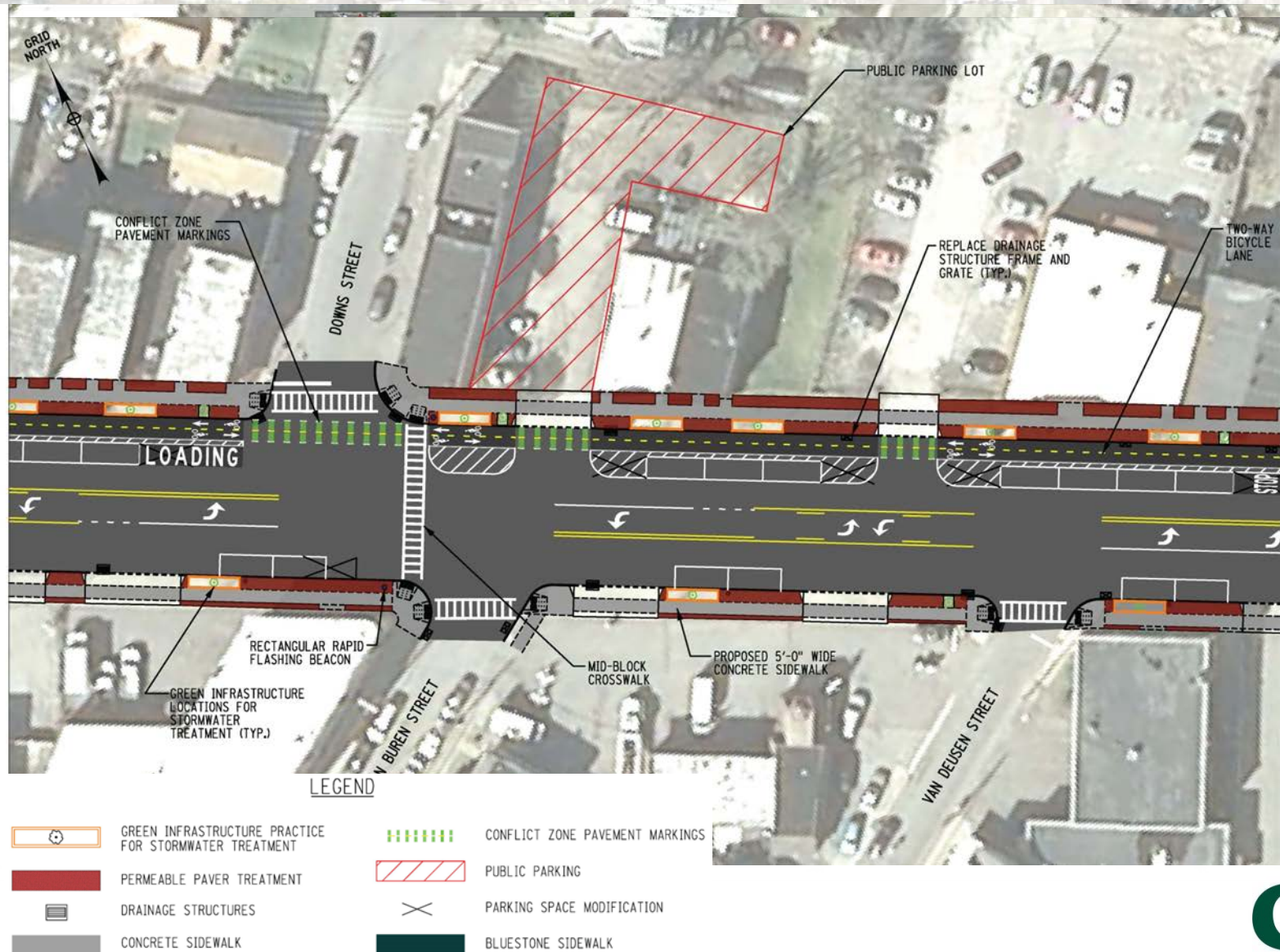
	GREEN INFRASTRUCTURE PRACTICE FOR STORMWATER TREATMENT		CONFLICT ZONE PAVEMENT MARKINGS
	PERMEABLE PAVER TREATMENT		PUBLIC PARKING
	DRAINAGE STRUCTURES		PARKING SPACE MODIFICATION
	CONCRETE SIDEWALK		BLUESTONE SIDEWALK



Proposed Design



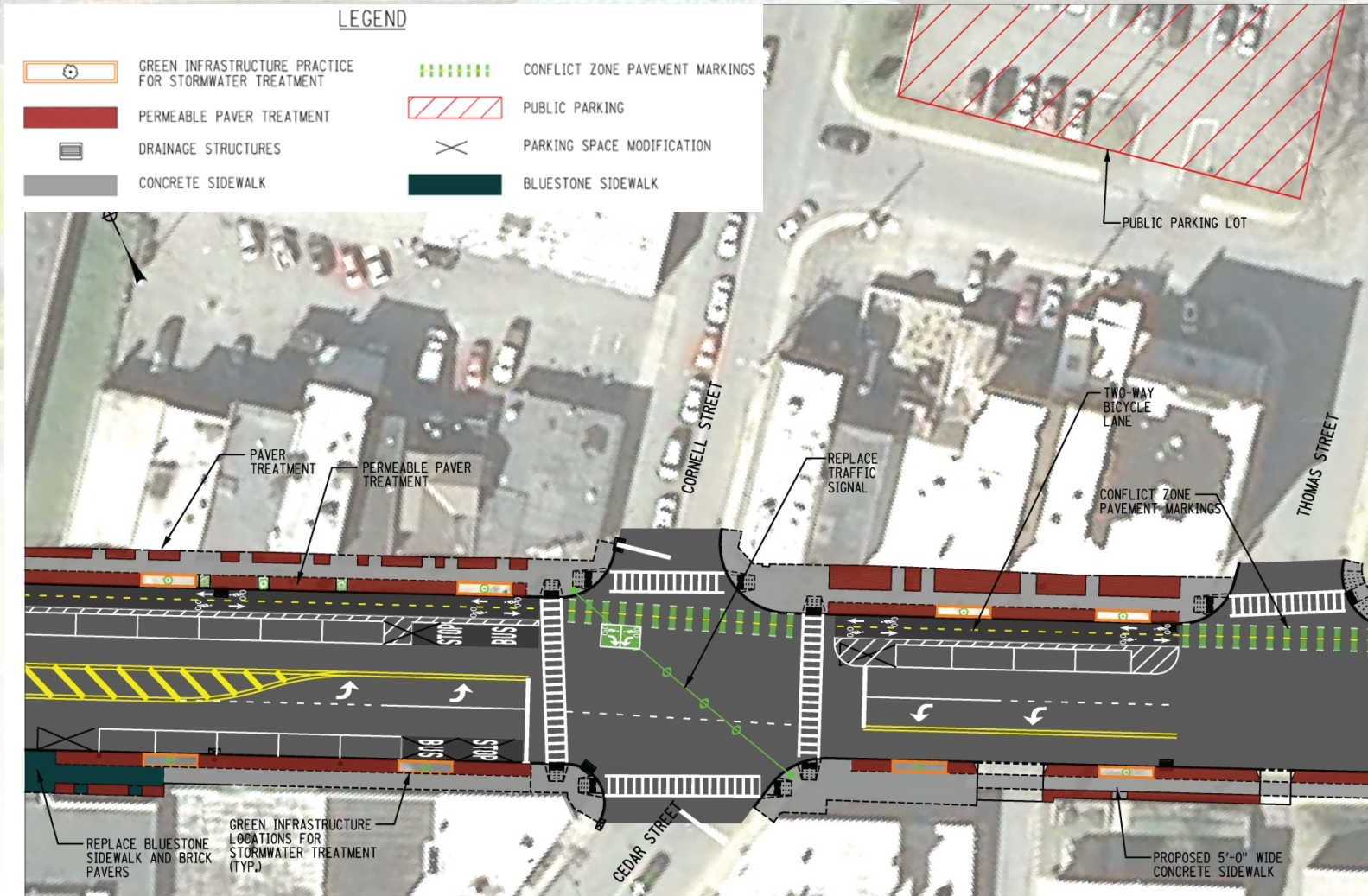
Proposed Design



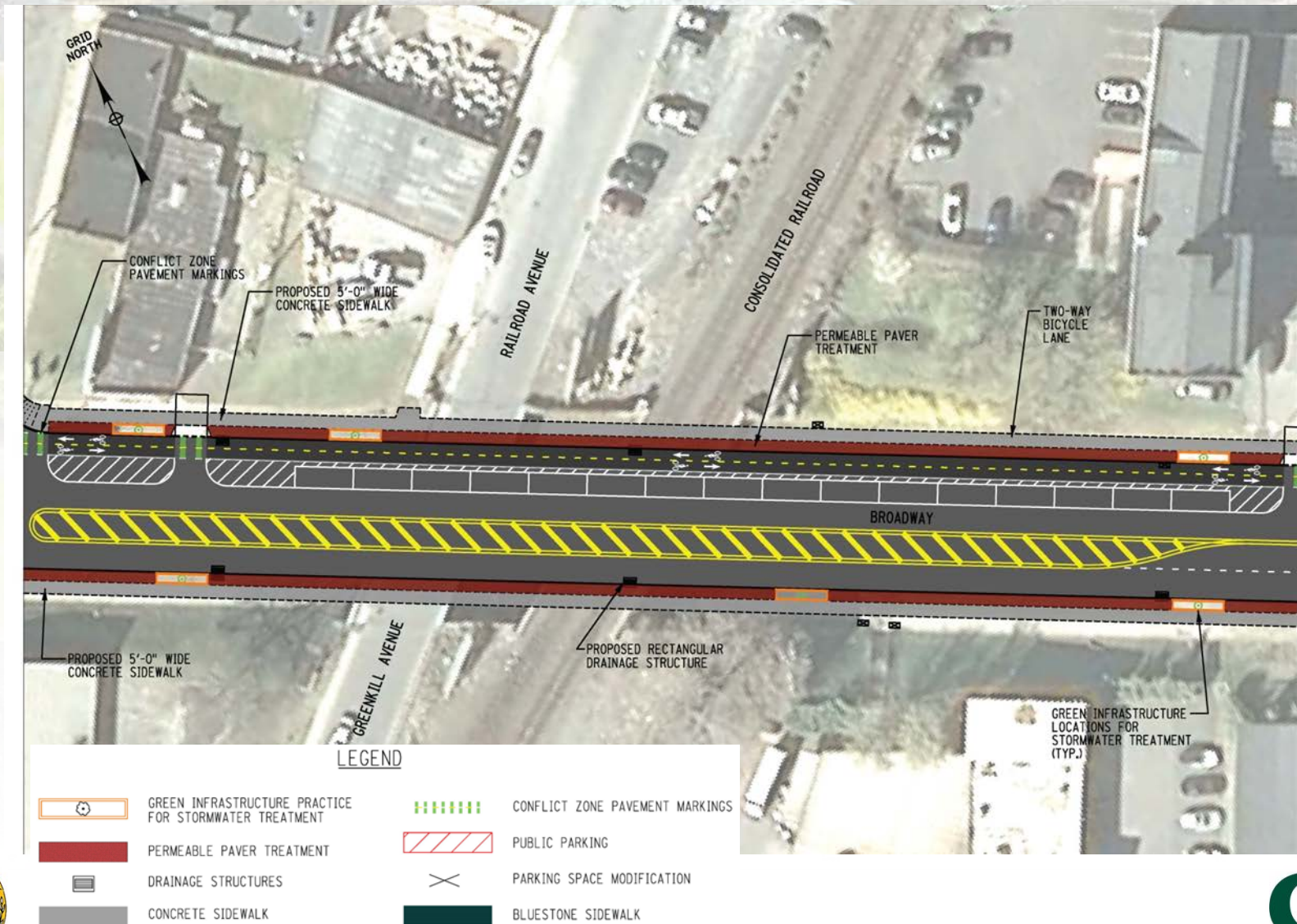
Proposed Design



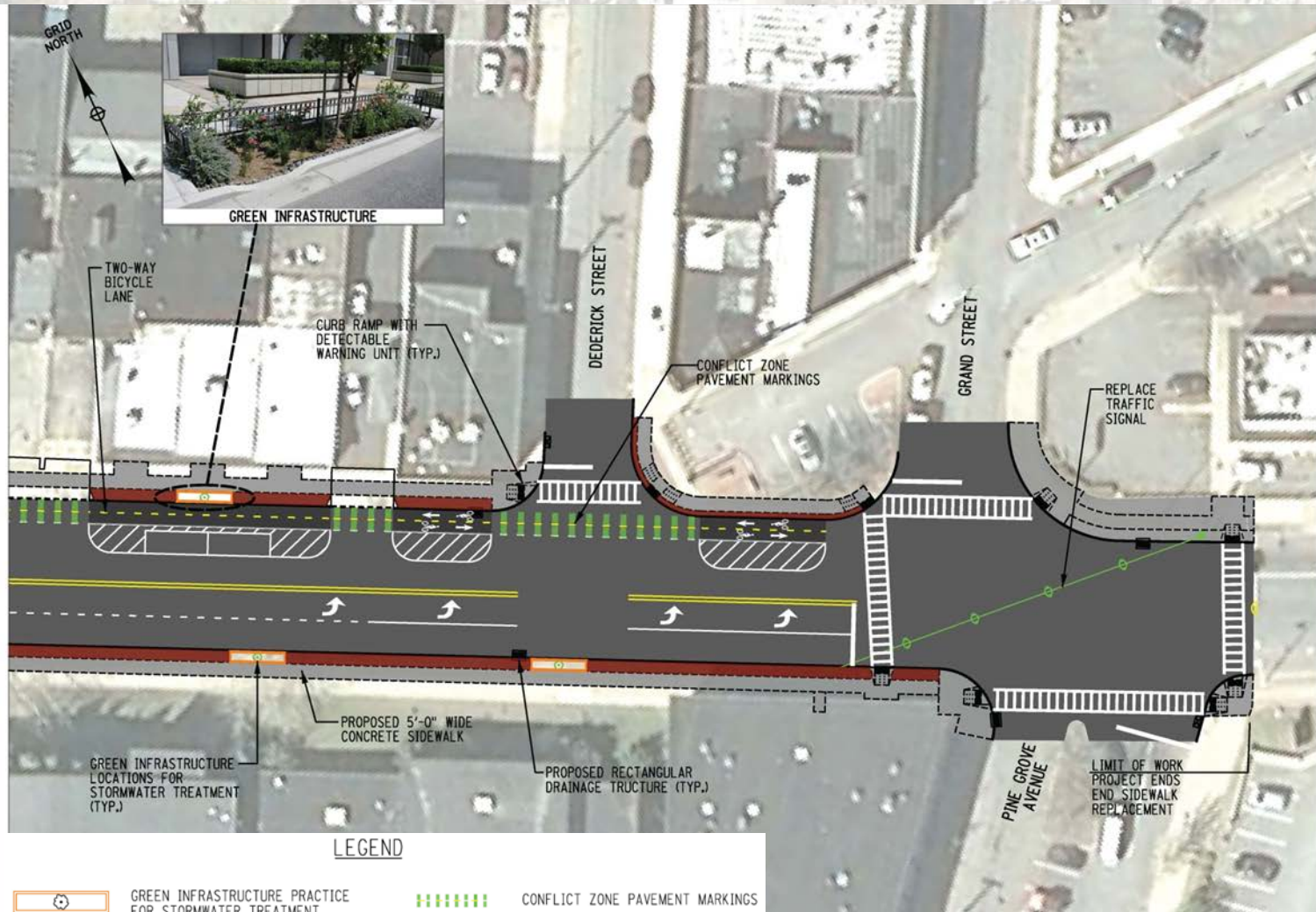
Proposed Design



Proposed Design



Proposed Design



LEGEND

	GREEN INFRASTRUCTURE PRACTICE FOR STORMWATER TREATMENT		CONFLICT ZONE PAVEMENT MARKINGS
	PERMEABLE PAVER TREATMENT		PUBLIC PARKING
	DRAINAGE STRUCTURES		PARKING SPACE MODIFICATION
	CONCRETE SIDEWALK		BLUESTONE SIDEWALK

Proposed Design

Secured Project Funding

- Transportation Enhancement Program (TEP)
 - \$2,000,000
- Green Infrastructure Grant Program (GIGP)
 - \$1,400,000
- Climate Smart Communities (CSC)
 - \$ 850,000
- New York State Energy Research and Development Authority (NYSERDA)
 - \$ 500,000



Proposed Design

Construction Coordination

- Access to all properties will be maintained by the contractor at all times
- It is recommended that any property improvements be completed prior to construction and in coordination with the appropriate City Department
- Work hours
 - There will be strict restrictions for work within the roadway
 - Work outside of the roadway is less restrictive and will be determined by the City
 - These restrictions will balance impacts to property owners with providing the contractor the ability to work efficiently



Schedule

- Survey and Mapping
- Develop Alternative Plans
- Environmental Screenings
- Draft Design Report (Incorporate Green Infrastructure)
- Public Meeting – February 2017
- Final Design Report – April 2017
- Advanced Detail Plans (ADPs) – April 2017
- Final Plans, Specifications, and Estimate (PS&E) – August 2017
- Bid Opening (Letting) – November 2017
- Project Award – December 2017
- Construction – March to November 2018

