

# Pearl St at York St

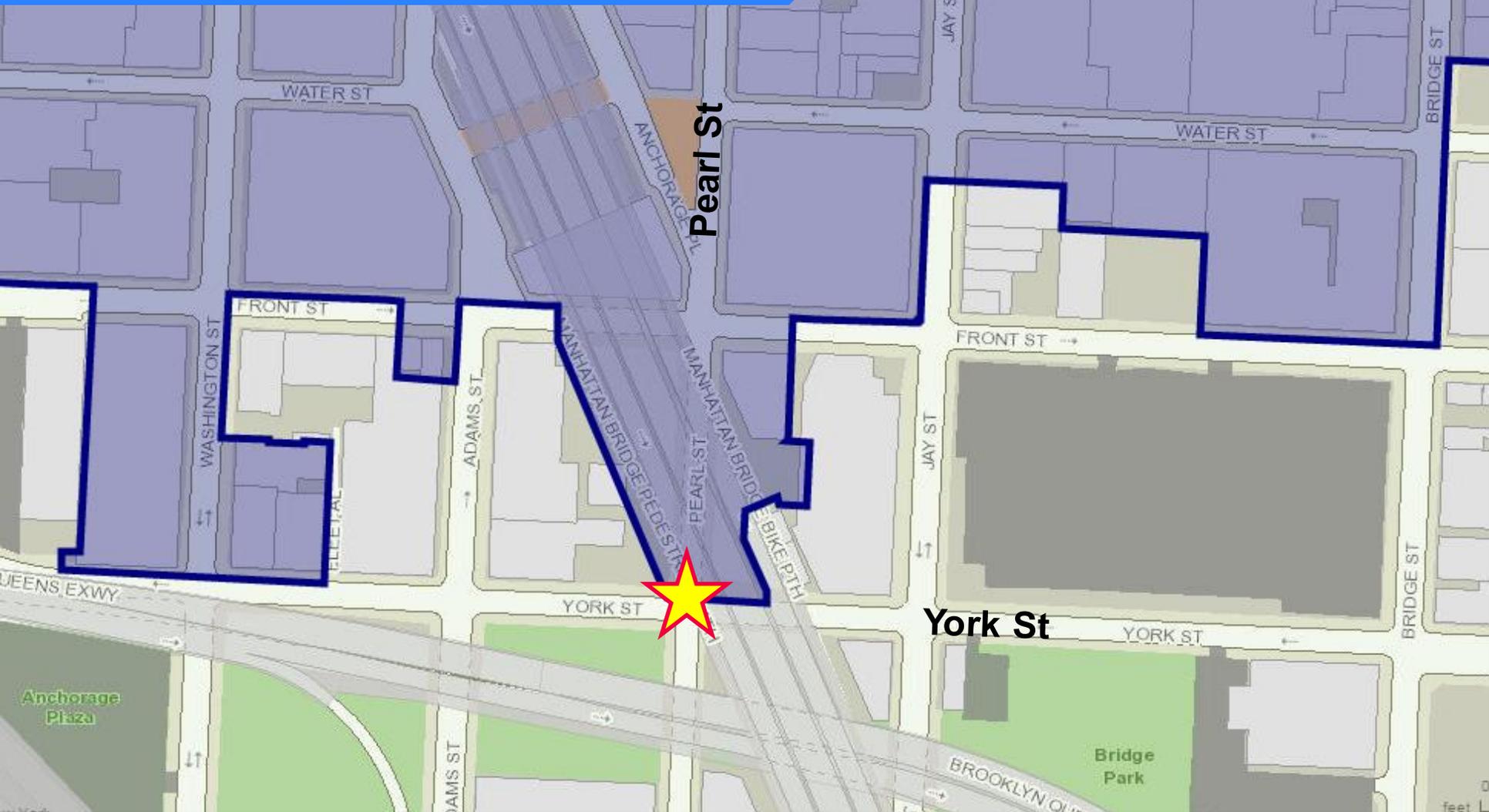
## Pedestrian Safety and Accessibility

Presentation to

**Landmarks Preservation Commission**

February 9, 2016

# Historic District Boundary



 DUMBO Historic District



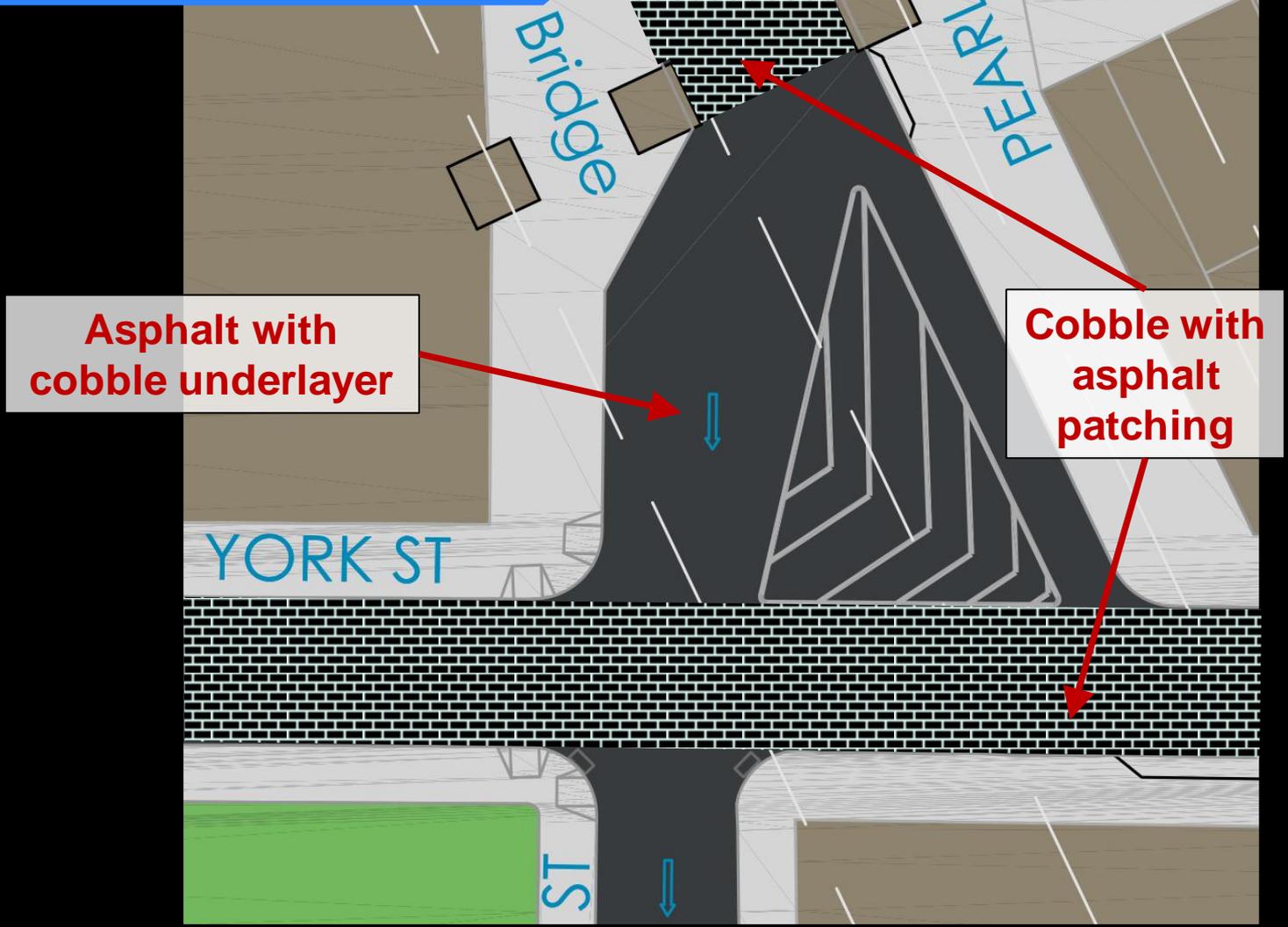
- Historic Districts
- Additional Street Work Requested
- Complete Street Reconstruction
- Project Scope

★ In-House Project Location
 
 ↑ N

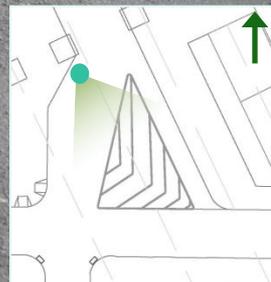
# DUMBO Capital Project Limits

# York St & Pearl St

Existing Conditions - Materials



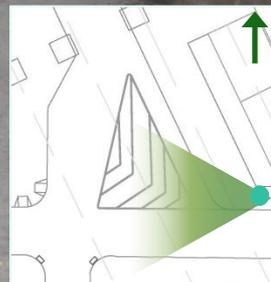
Community request to repair condition of cobblestone on York St



Existing Conditions – Photos (looking SE)



Existing Conditions – Photos (looking E)



Existing Conditions – Photos (looking W)



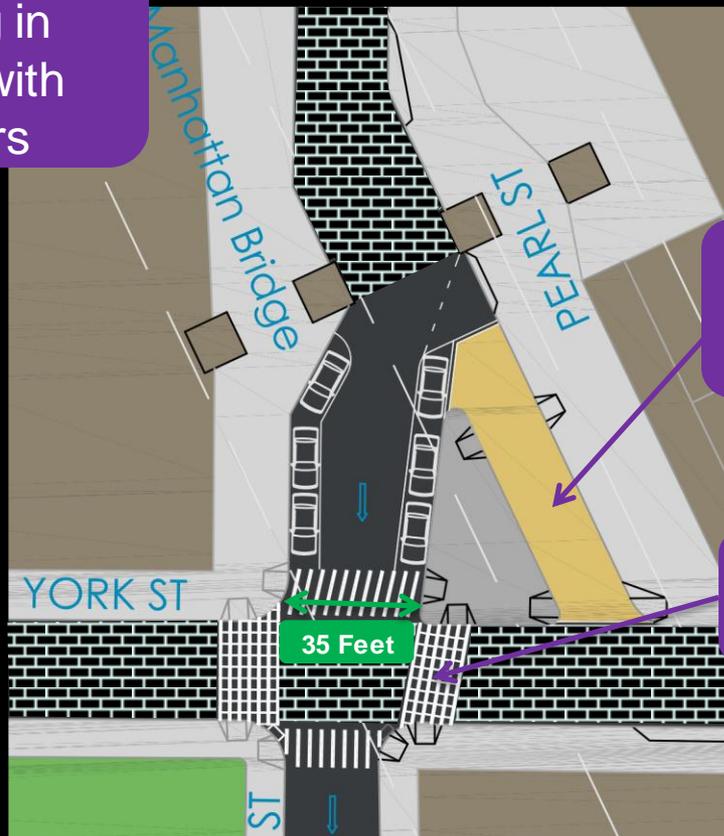
Existing Conditions – Photos (looking NE)

# York St & Pearl St

Previously Proposed 2015 Plan



DOT sponsored programming in coordination with local partners



Extended sidewalk space in paint and concrete

New granite paver crosswalks

# York St & Pearl St

Revised 2016 Proposal

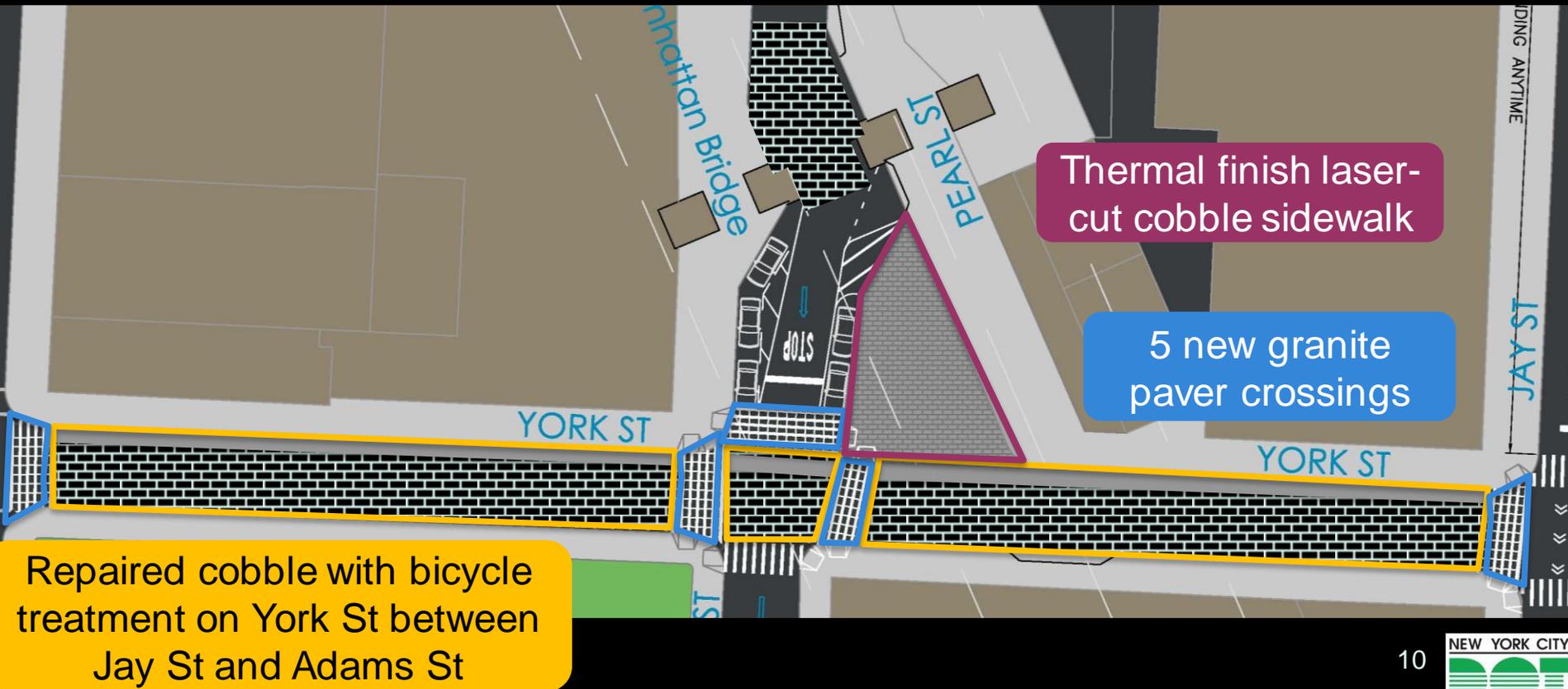
## Notes:

- Treatment consistent with Pearl St. Plaza capital project materials
- New concrete requires excavation of existing asphalt and cobbles
- Removed cobbles to be stored and reused in DUMBO

Provides ADA accessibility

Improves pedestrian safety by reducing road width

Provides sidewalk along pedestrian desire line



# Sidewalk Treatment

Laser cut thermal finish cobbles

Granite curbs

Standard Highway Specifications (Nov 1, 2010)

## 6.04 – Granite Block Wearing Course

### 6.04.3. MATERIALS

Materials shall comply with the following requirements:

Granite Block--**Section 2.06**, Types 1 or 2, except that no block shall be less than six (6") inches long, four (4") inches wide and five (5") inches deep.

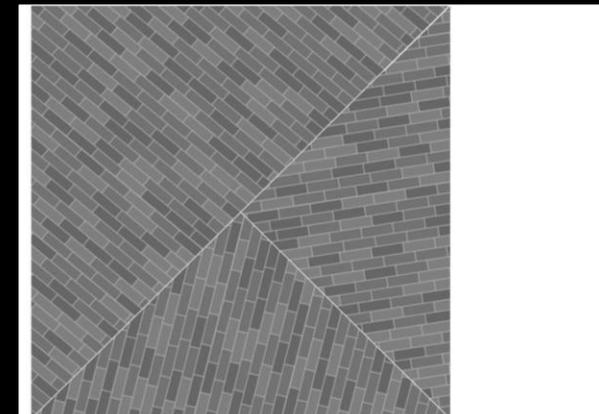
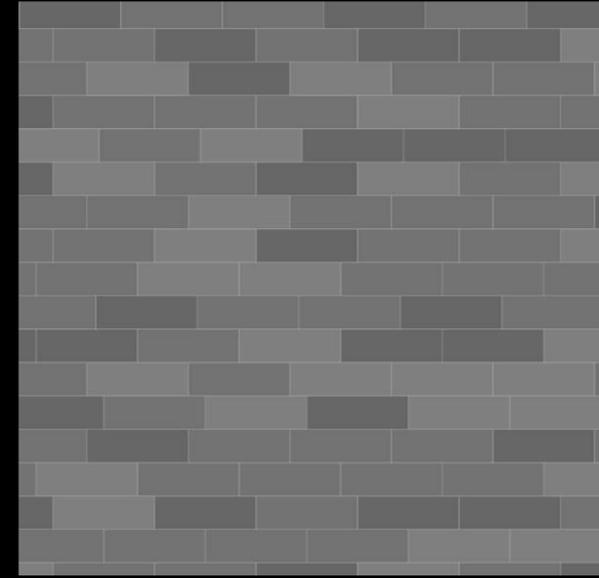
Whereby:

#### SECTION 2.06 - Block, Granite

Blocks shall be of the following sizes:

	Grade 1 -- Standard Five (5") inch			Grade 2 -- Redressed		
	Dimensions, Inches	Tolerance, Plus or Minus, Inches		Dimensions, Inches	Tolerance, Plus or Minus, Inches	
Length . . . . .	9 to 10-1/2	1/2"    1"		8-1/2	2-1/2"	2-1/2"
Width . . . . .	4 to 4-1/2	1/2"    0"		4	1/2"	3/4"
Depth . . . . .	4 to 5	1/2"    0"		4-1/2	1"	3/4"

Each delivery of Grade 1 Blocks shall average not less than ten (10") inches in length. The maximum sizes for Grade 1 and Grade 2 granite blocks are therefore as follows:  
 Grade 1: 11 x 5 x 5.5  
 Grade 2: 11 x 4.5 x 5.5



**1 SIZE 3 COLORS - RANDOM COURSE**  
 4"x12"x4" pavers  
 sand swept joints

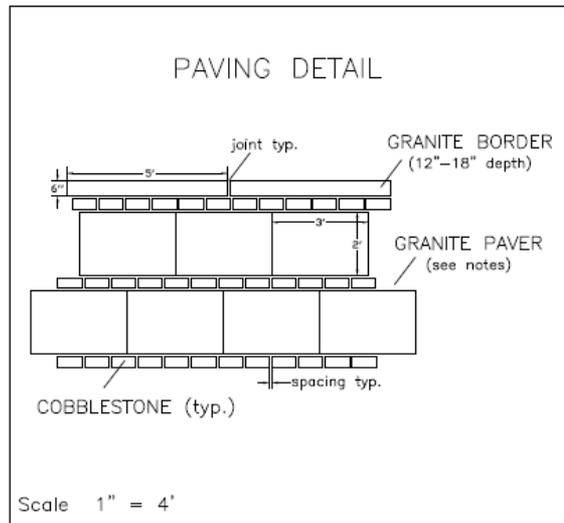
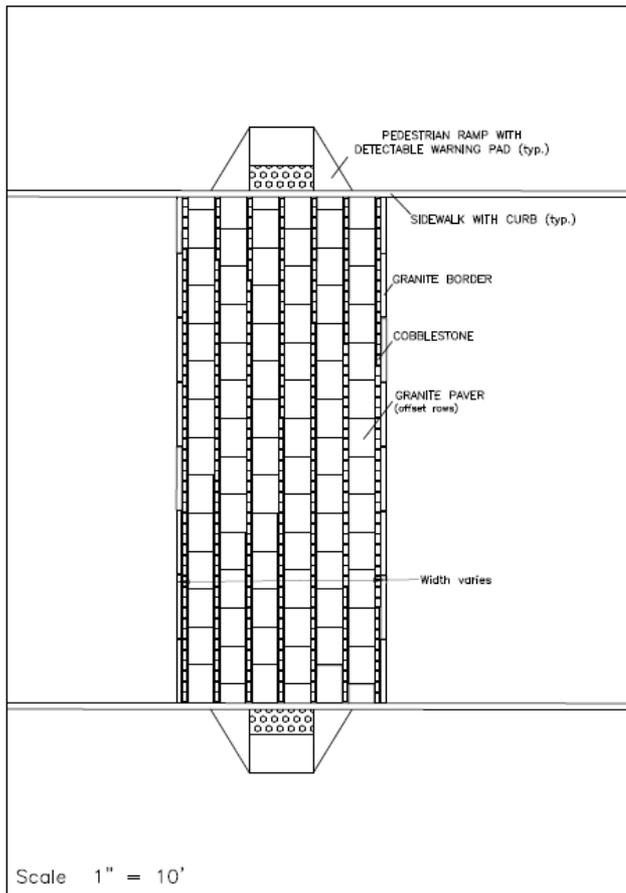
virginia mist thermal finish  
 st. johns black thermal finish  
 impala black thermal finish

Material consistent with the planned treatment of Pearl St Plaza

# Crosswalk Treatment



## ACCESSIBLE CROSSING ON COBBLESTONE STREETS



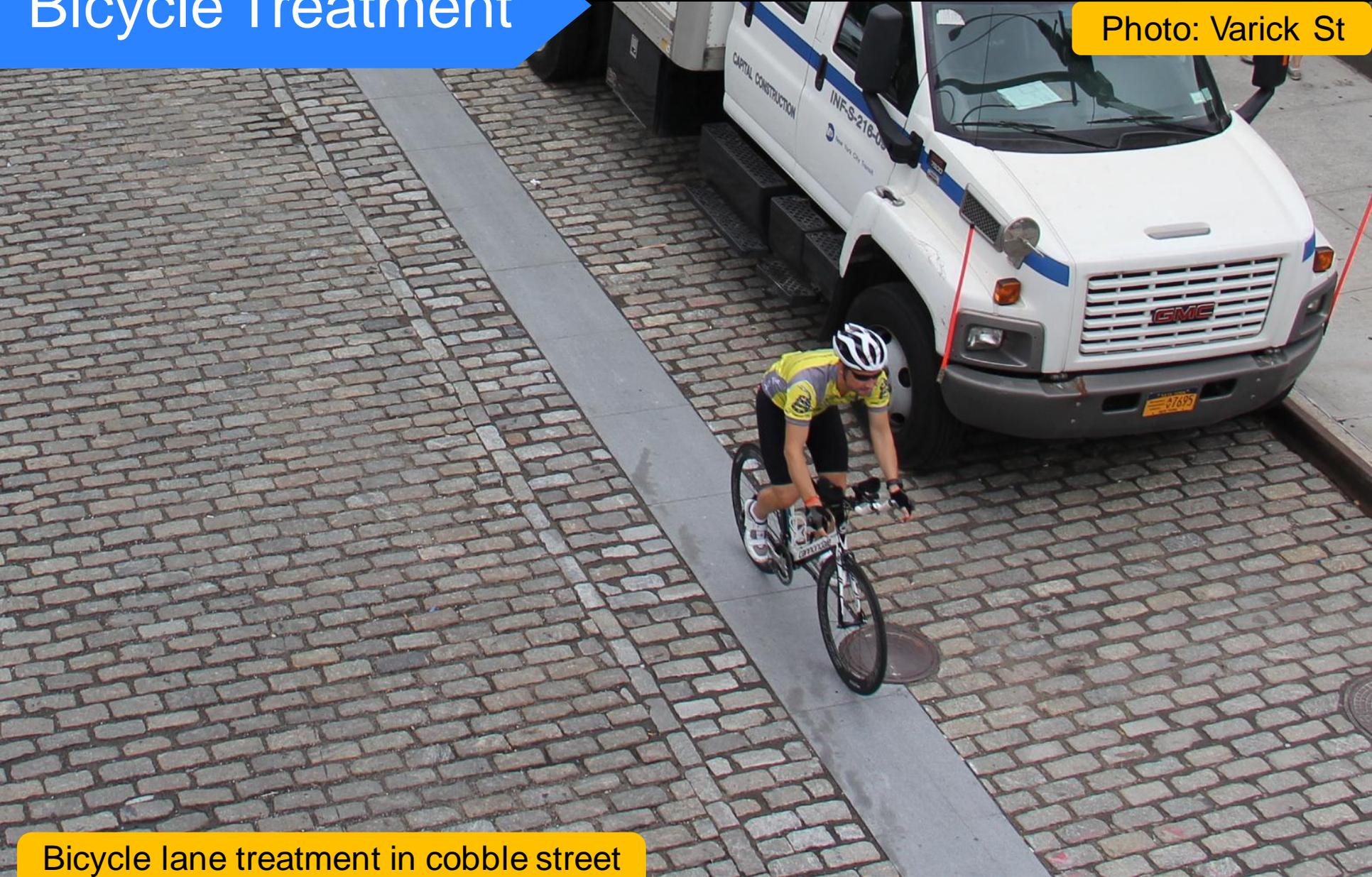
### NOTES:

- 1) Location should be consistent with NYC DOT markings standards for crosswalks
- 2) Granite pavers and border should be a dark, black pigment
- 3) Granite pavers must have a textured surface that provides sufficient slip resistance to meet a minimum 0.60 coefficient of friction when wet
- 4) Pavers should have a minimum thickness of 5" to prevent breakage under heavy vehicle traffic
- 5) If the crosswalks are installed as an intersection treatment, then smooth, laser-cut cobblestones should be used in the center area of the intersection bounded by the accessible crosswalks

5 new granite  
paver crossings

# Bicycle Treatment

Photo: Varick St



Bicycle lane treatment in cobble street  
– LPC approved Sept 10, 2013

Existing



# Proposed Rendering



# Benefits

1. Improves connectivity and safety for pedestrians, bicycles, and vehicles
2. Provides programmable pedestrian space
3. Consistent with treatment elsewhere in historic district





[www.nyc.gov/dot](http://www.nyc.gov/dot)

Thank  
You