Reconstruction of DUMBO/Vinegar Hill Streets and Pearl Street Plaza

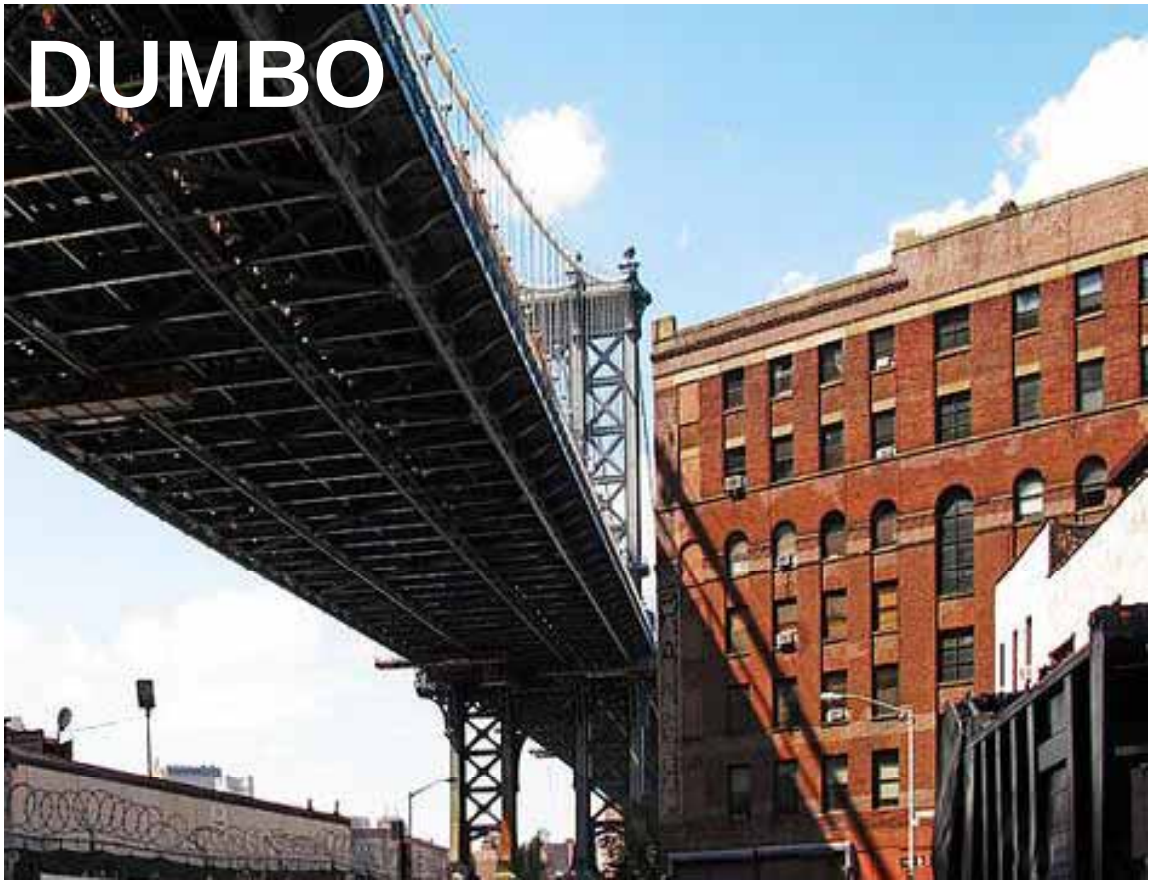
COMMUNITY BOARD 2 PRESENTATION

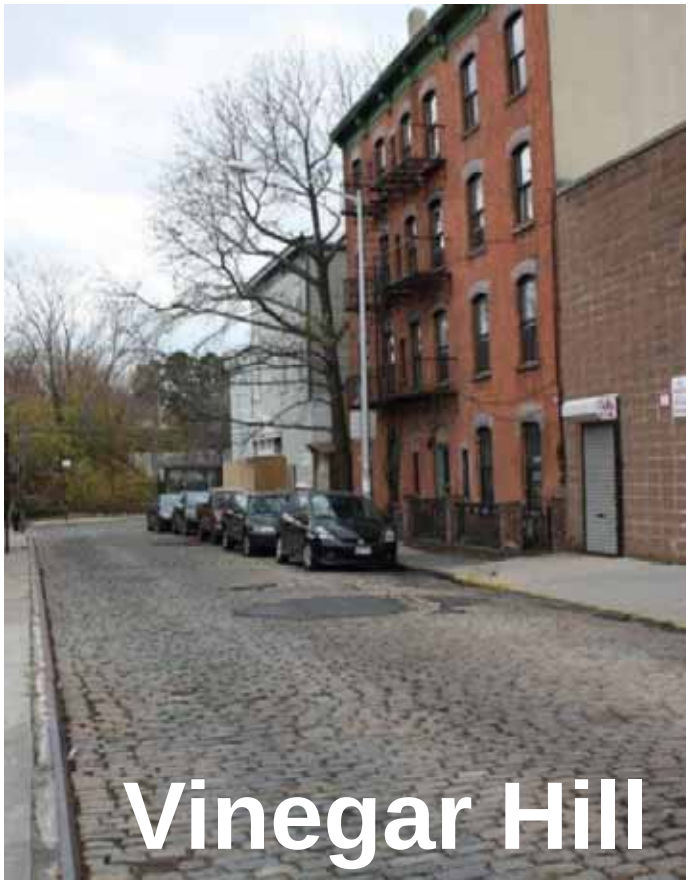
July 22, 2013

Planning, Design + Development AECOM

Project Scope

Project Scope: Historic Districts



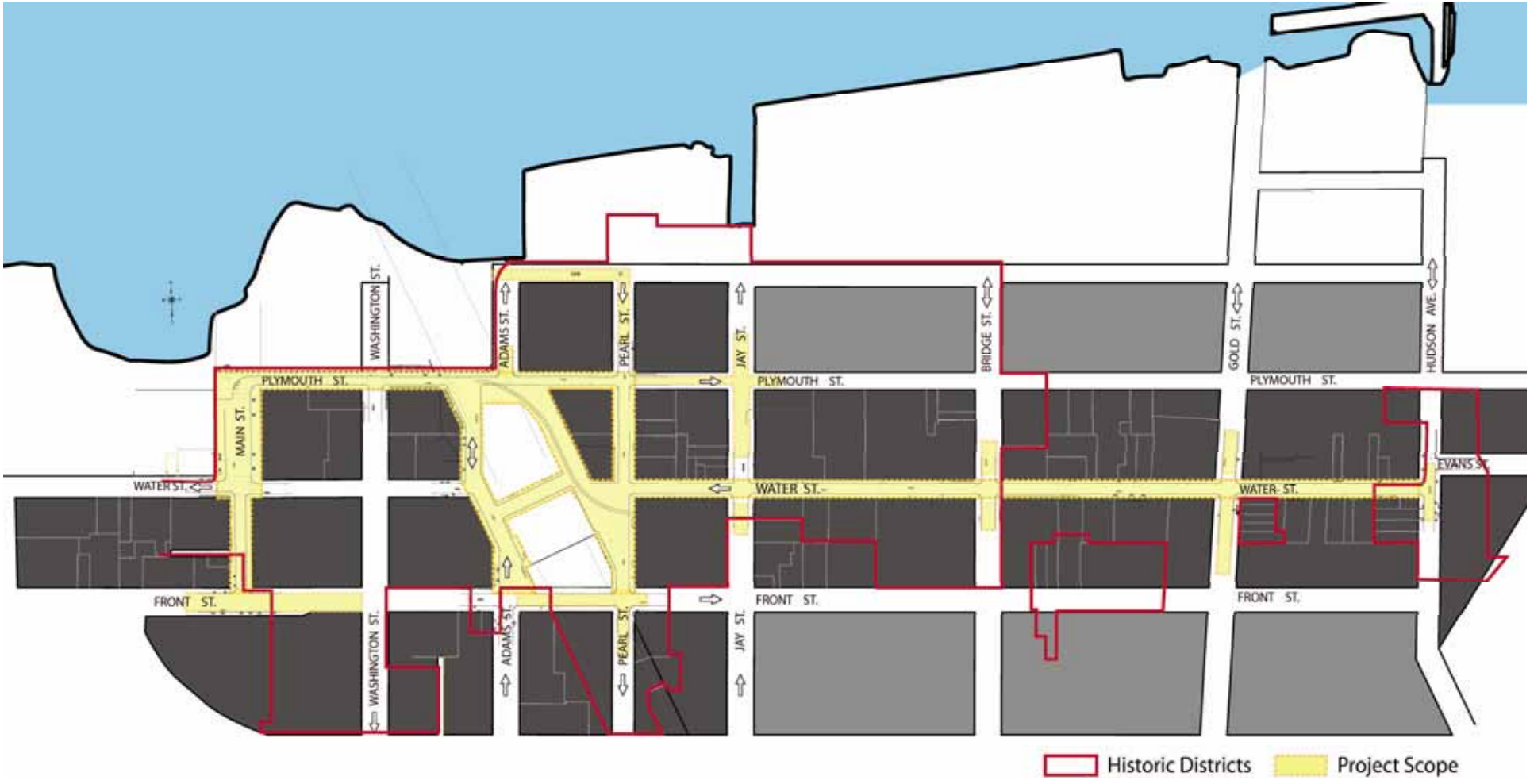


Project Scope: Sewer and Water

Project Scope: Street Repair

Project Scope: Public Plaza

Project Scope



Project Scope

Community Participation

DUMBO Design Competition: 2010

Public Workshops # 1: July 16, 2012

Public Workshop # 2: January 8, 2013

Public Workshop # 3: March 5, 2013

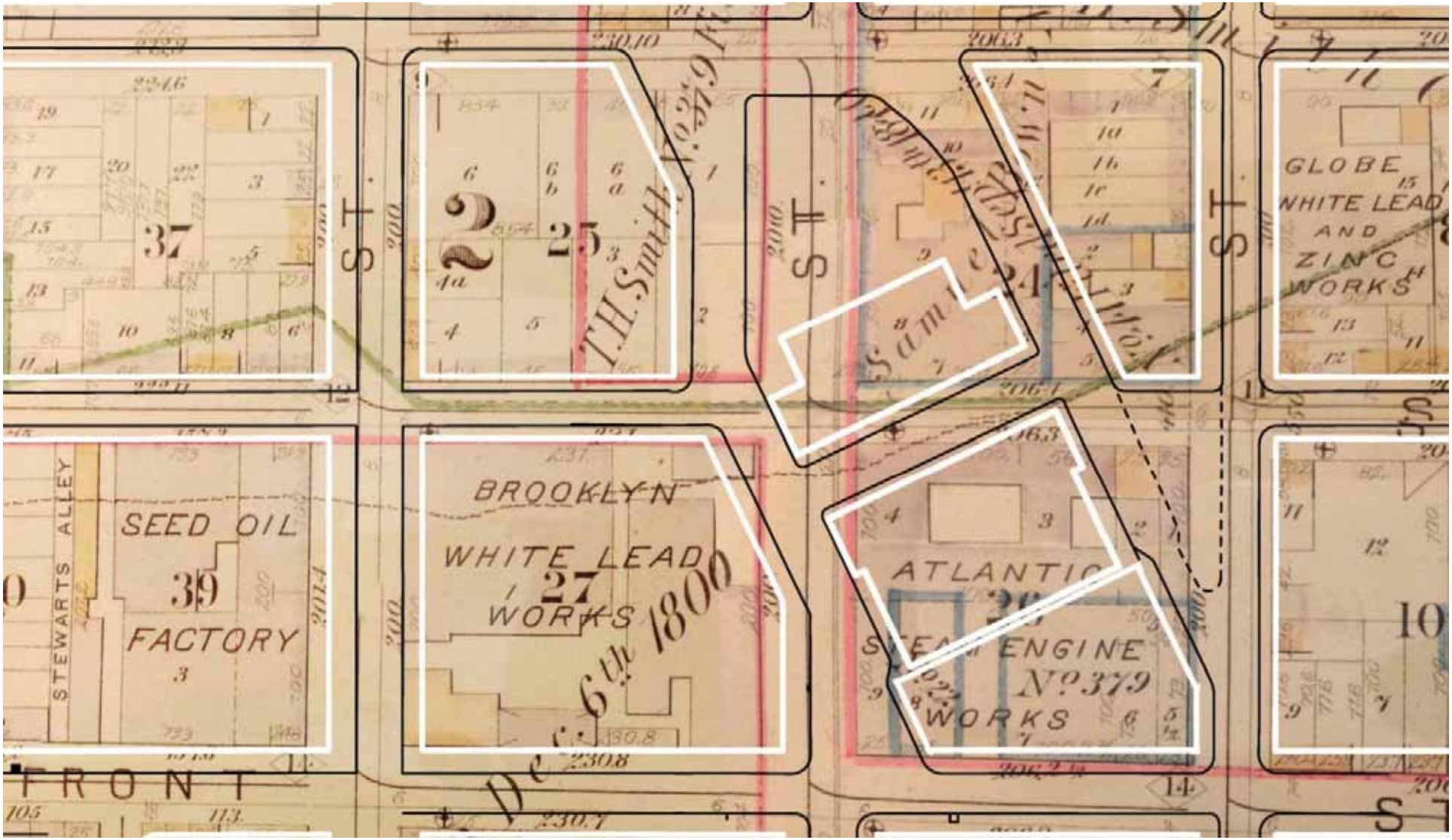
Cobble Mockup Viewing: July 1-18, 2013

Community Participation

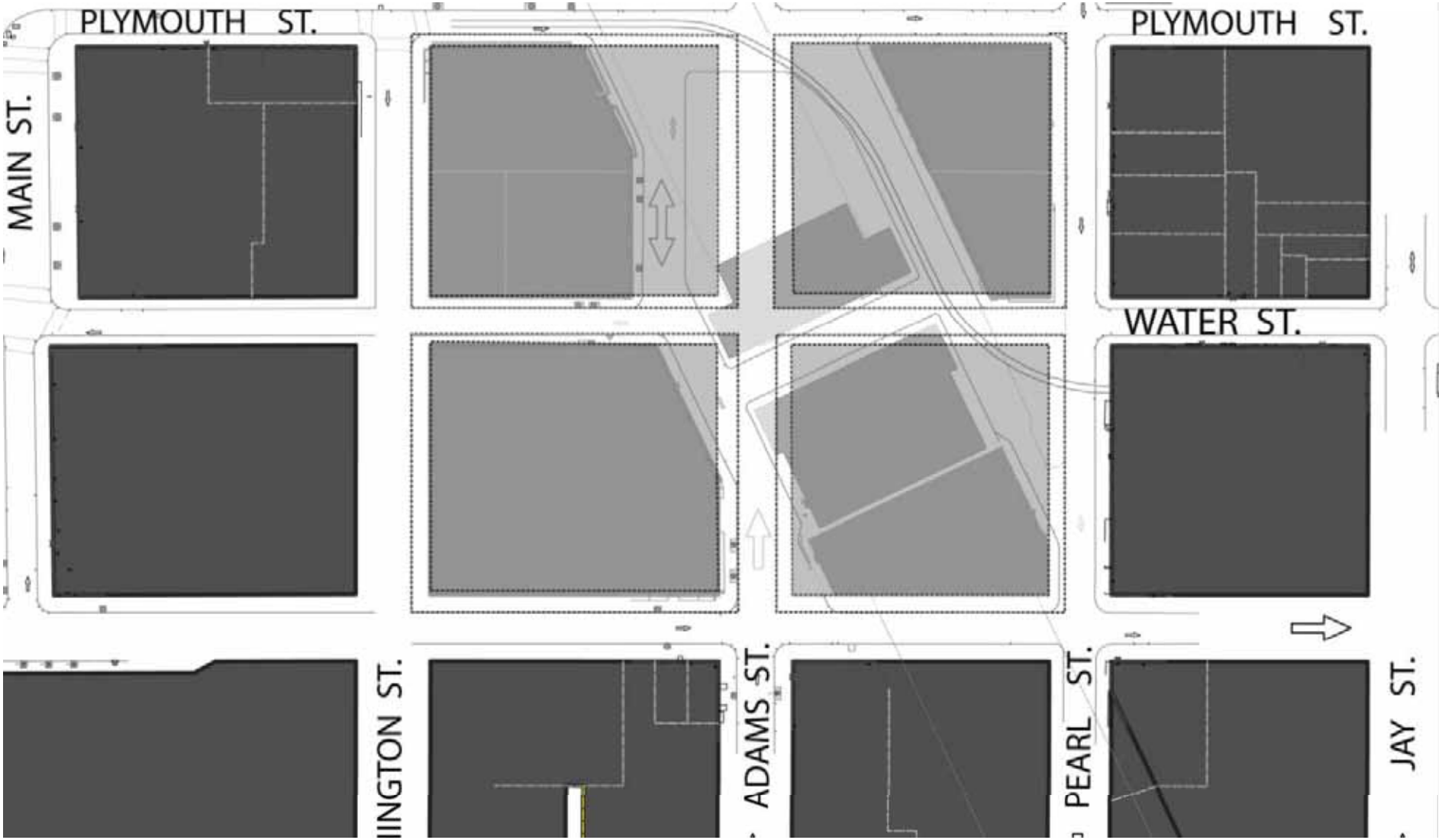
Historic Streets

Historic Landscape: Narrative

Historic Landscape: Narrative



Historic Landscape: Narrative



Historic Landscape: Narrative

Jay Street Connecting Railroad (1909-1959)

Cobble Stone: Patterns

A variety of patterns creating street quilts placed over time

Cobble Stone: Existing Conditions

Cobble Stone: Existing Conditions

Context and Character

Photo shoots take advantage of the view corridors and the texture of the street and buildings

Stills from “Once Upon A Time in America”, 1984 asphalt patches exist in the historic film

The Plaza and Anchorage

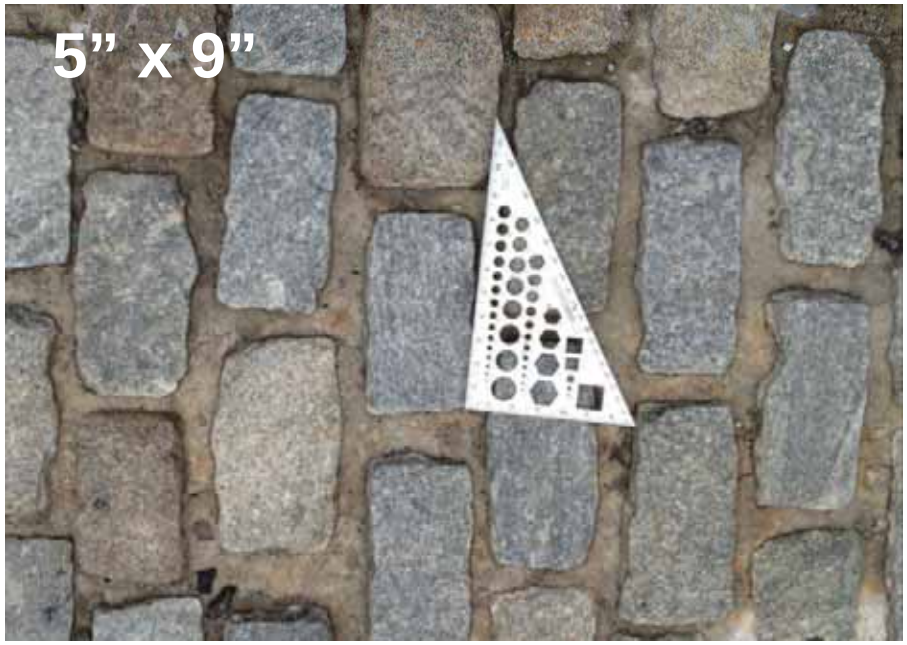
Brooklyn Bridge Park

Photo Credit: Michael Minn

Brooklyn Waterfront Greenway

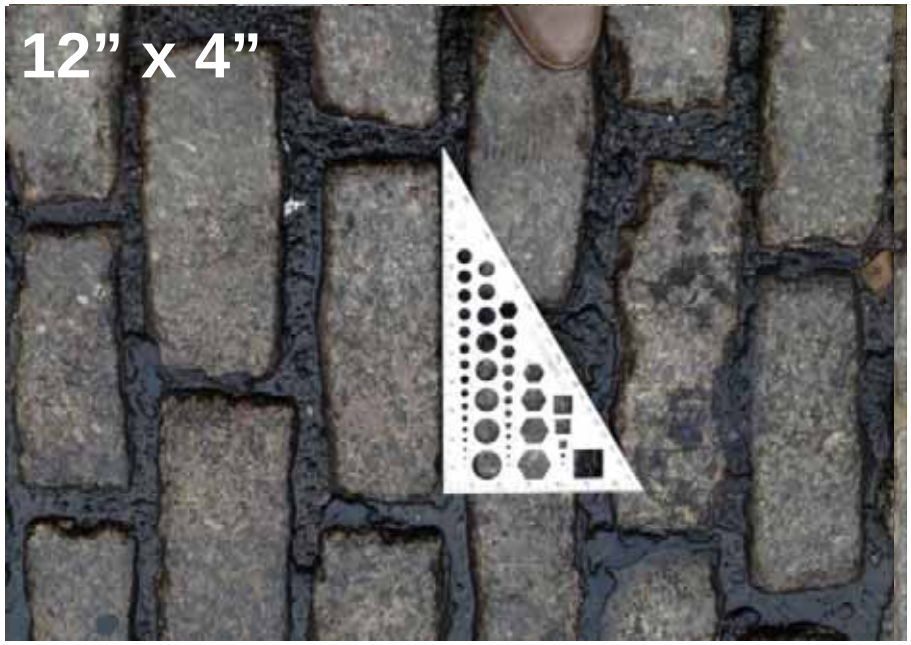
Cobble Stone Streets

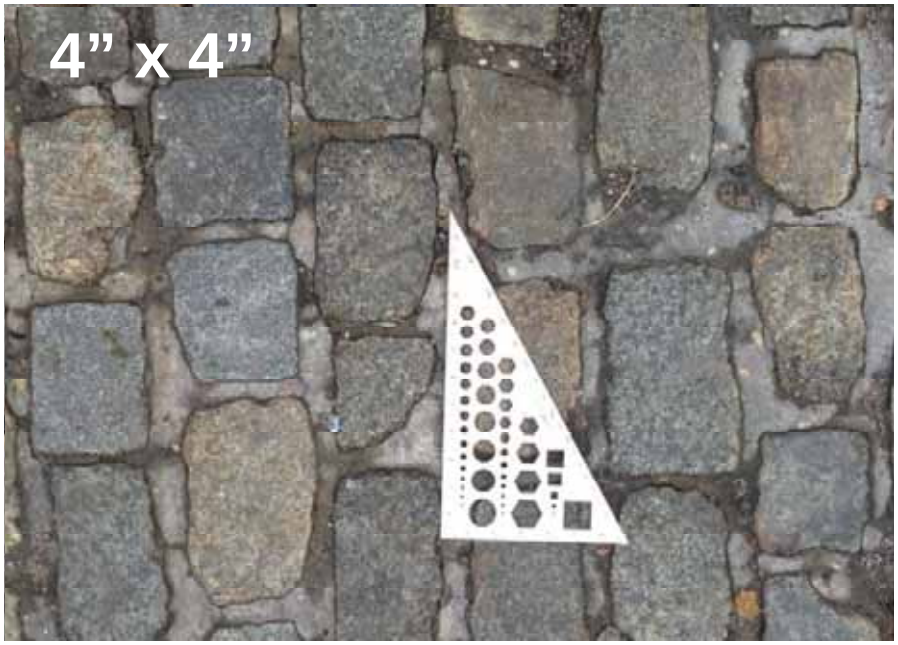
Cobble Stones: Sizes



One can find a variety of sizes along the neighborhood. These are a few.

Cobble Stones: Sizes





Existing Cobble Stone: Color Samples Tan & Gray

Cobble Stones: Sizes

Generally there are various shades of gray & tan / pink mixes found in a random placement in a variety of sizes.

Cobble Stone: Patterns

A variety of patterns creating street quilts placed over time

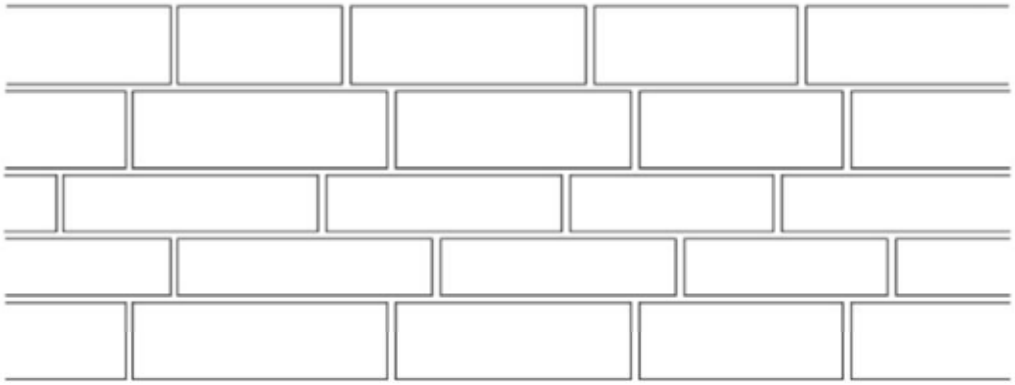
Bikeable Historic Streets in European Cities

Cobble Study: Creating Historic Bikeable Streets

How Surface is Achieved

+ Tight joints
+ Smooth Finish
+ Regularized width and run course
+ Slightly undulating top surface
+ Irregular edges

4.5”
5.0”
3.5”
3.5”
5.0”



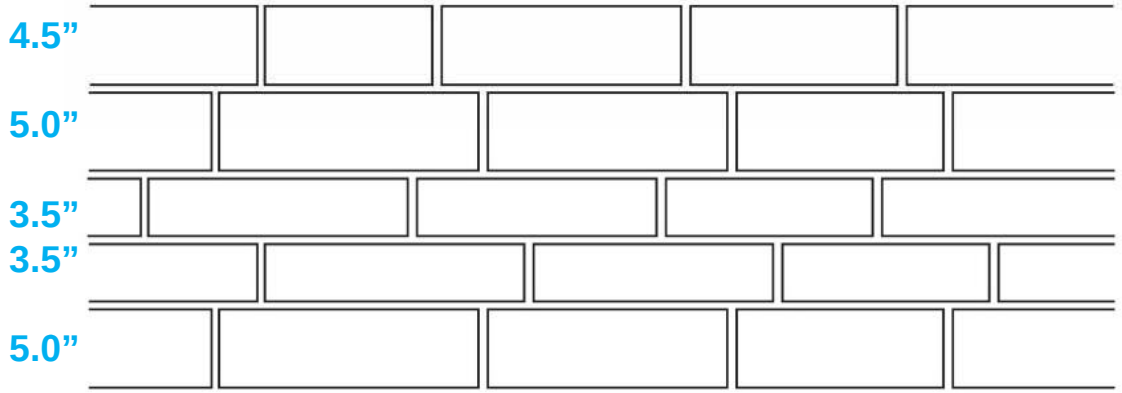
Main Street
DUMBO

Historic Crosswalk
@ Plymouth & Adams

Reconstructed Crosswalk
@ Adams & Water

Cobble Study: Creating Historic Bikeable Streets

Running Course Analysis

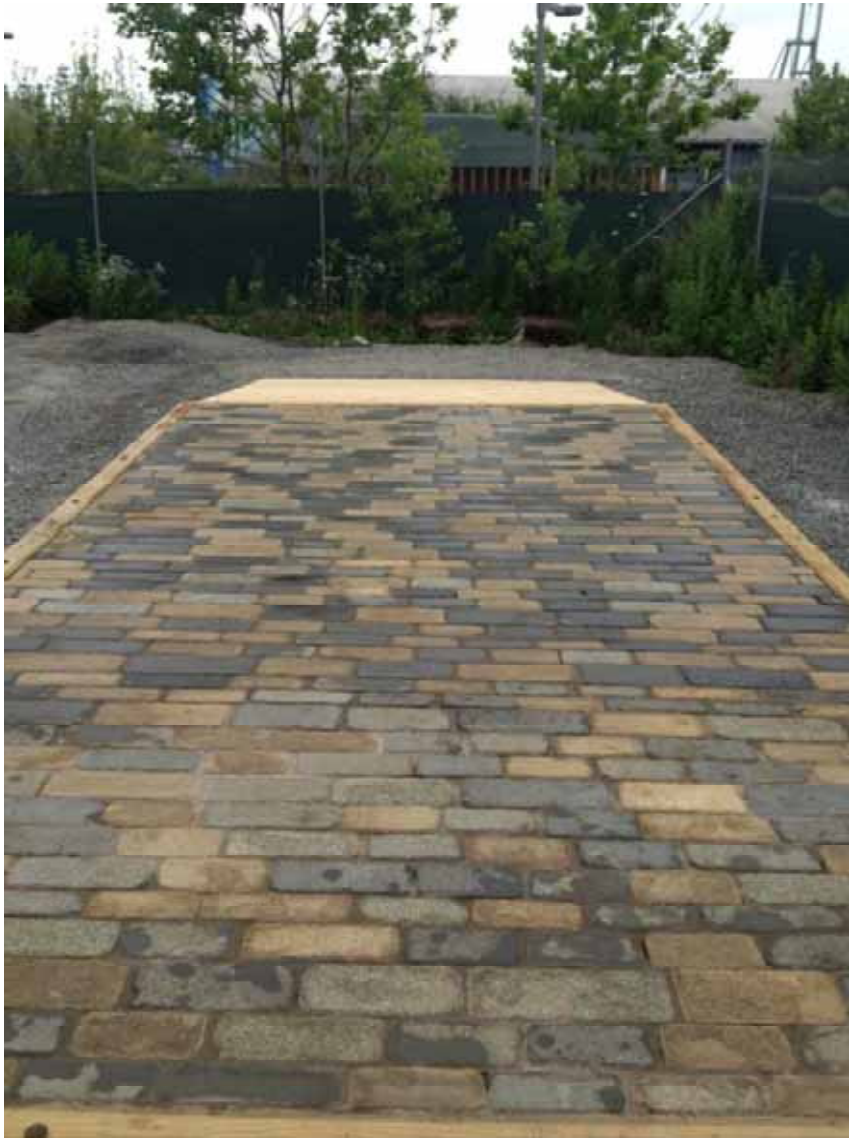


Shade: browns, tans, and grays

Size: W x L 4”- 5” x 9”- 12”
Average jointing ¼” – ¾”

Texture: smooth finish, minimally rounded, and undulating sides

Cobble Mockup: Completion



Cobble Mockup: Construction

Cobble Mockup: Viewing

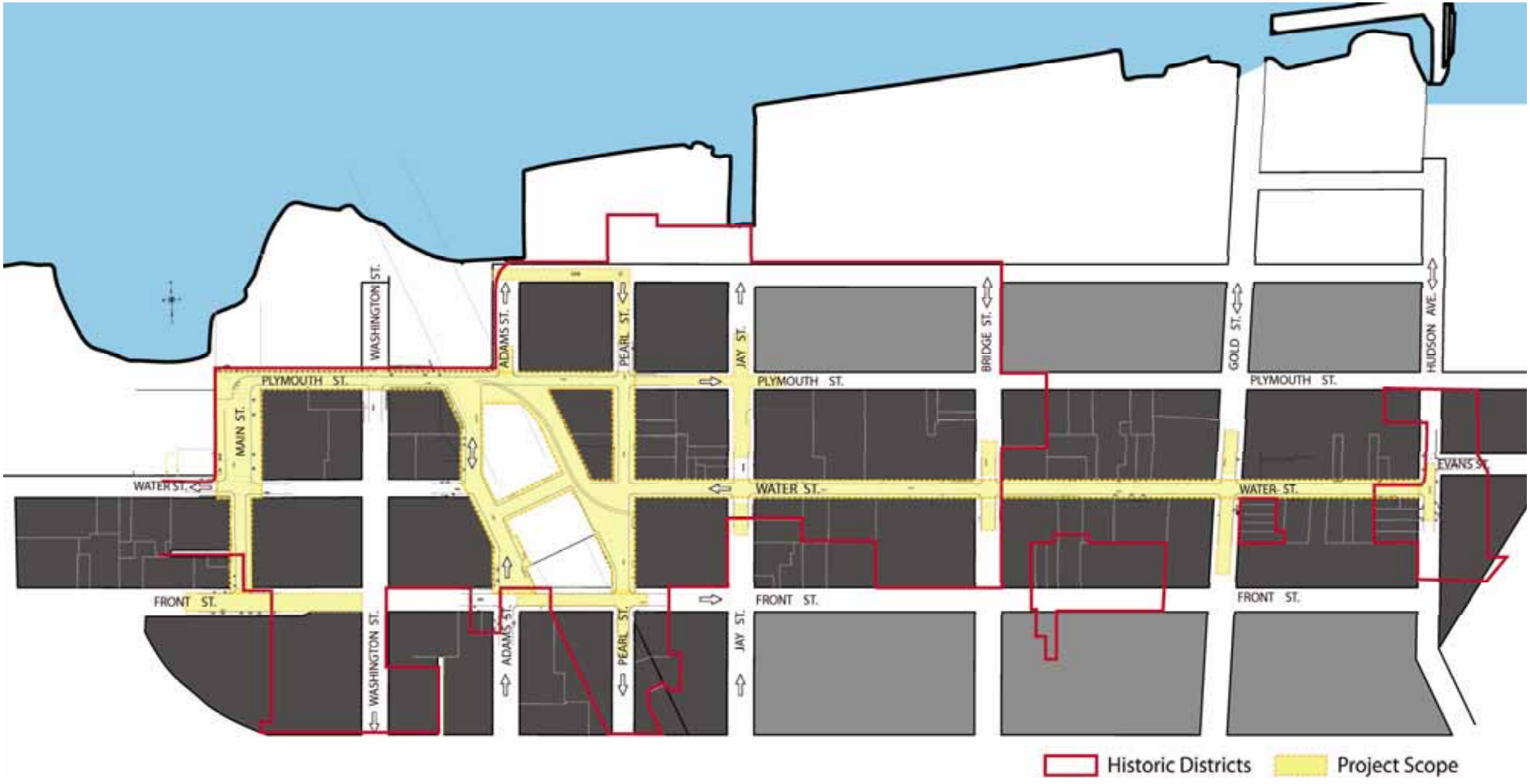
Approx. **50 – 60** people came to view the mock-ups

37 formal comments submitted on written forms and by email

30 preferred the old cobble
3 preferred the new cobble
4 inconclusive comments

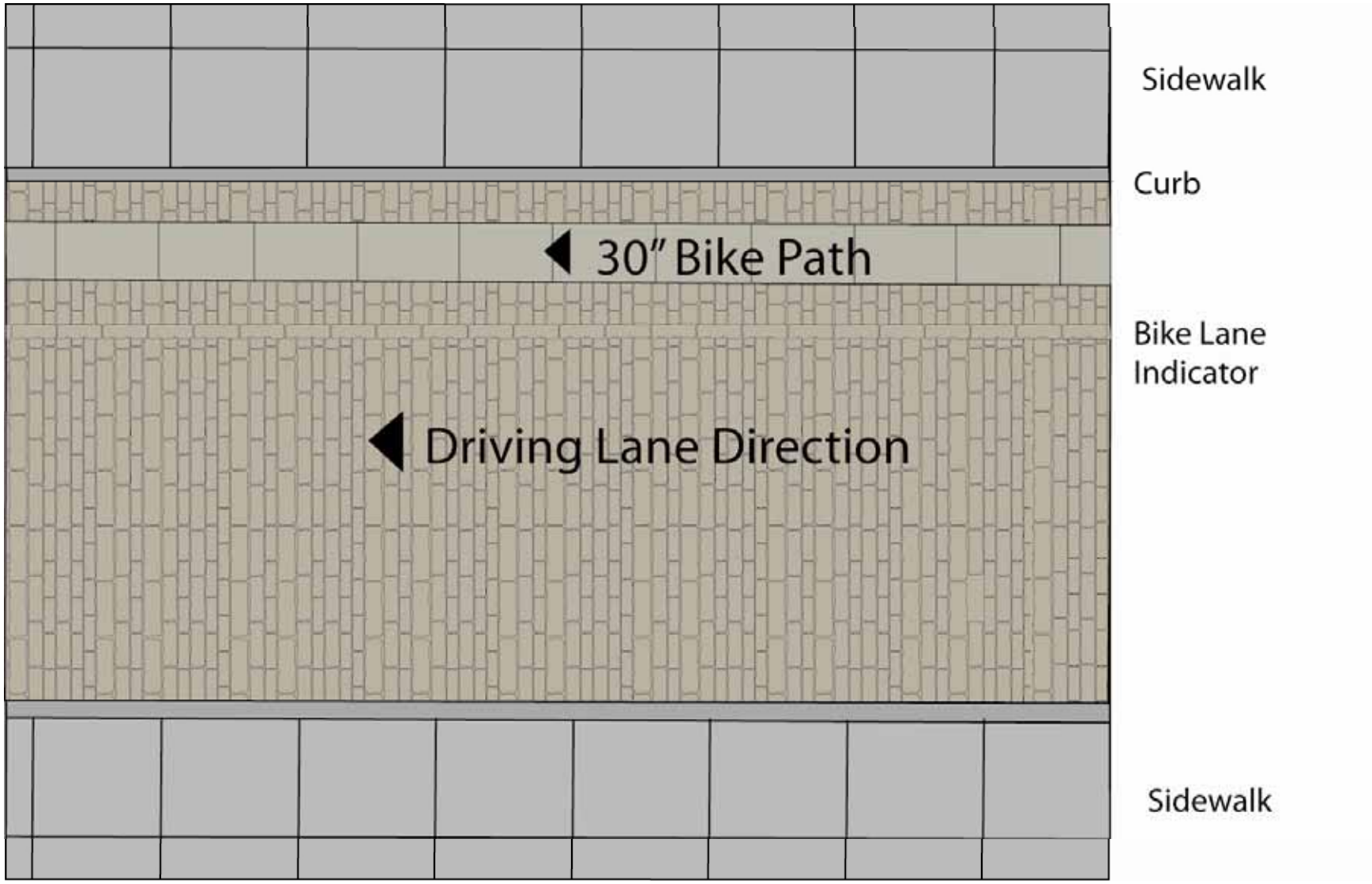
Street Design

Project Scope

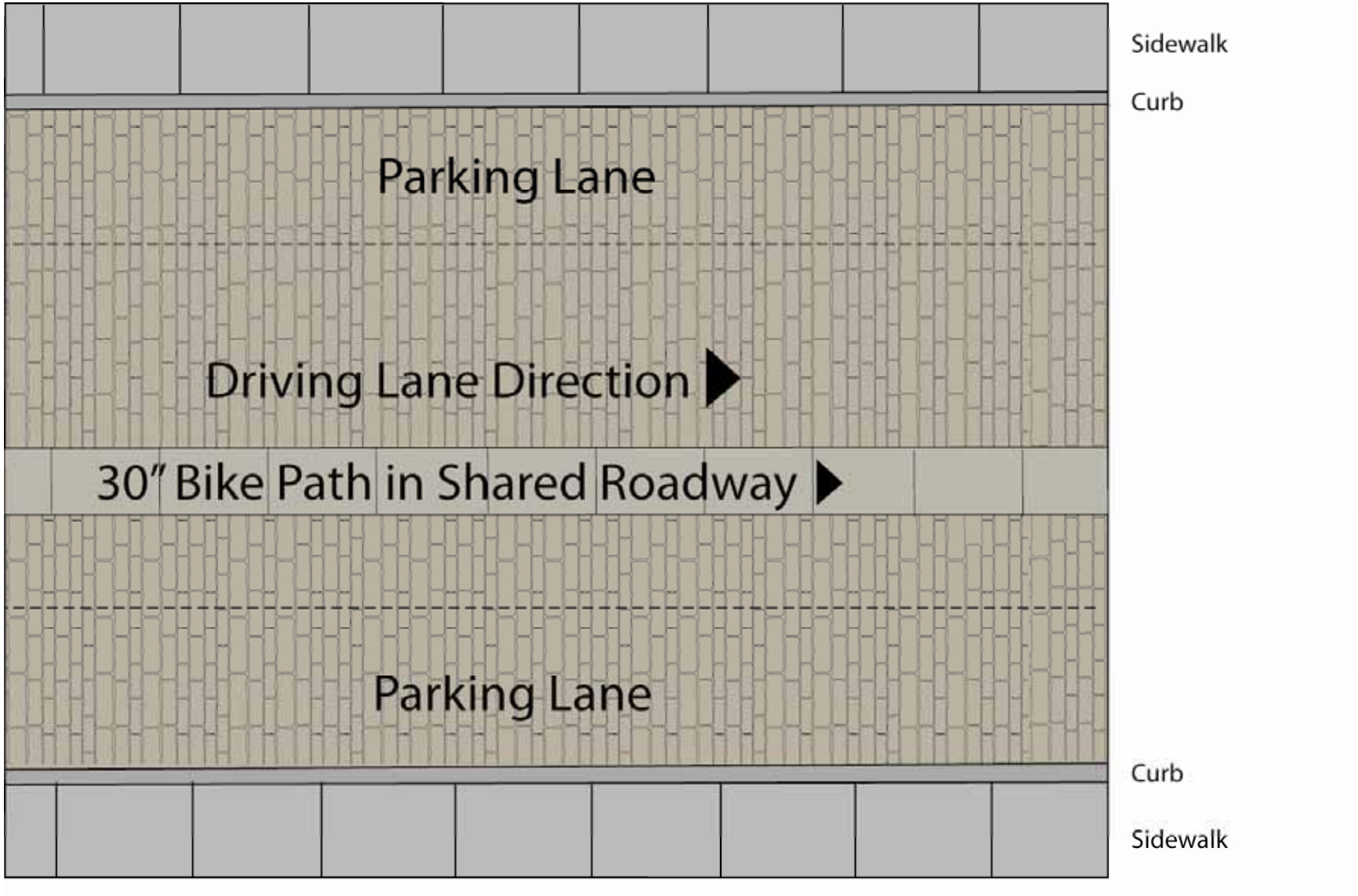


Street Typologies

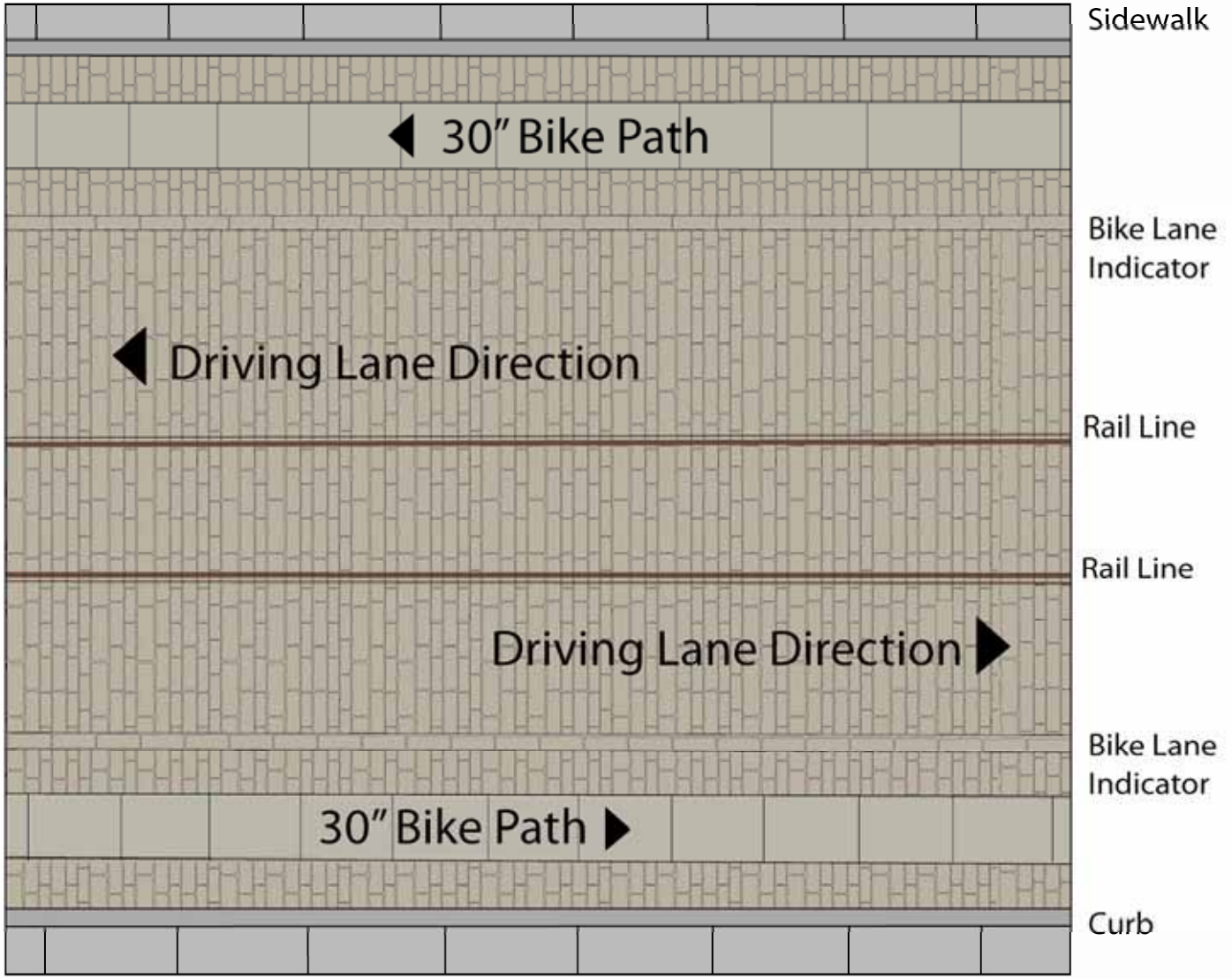
Street Typologies: Bike Lane on Side of Road



Street Typologies: Bike Path on Shared Roadway



Street Typologies: Bike Lanes on Two Way Street



Plaza Concept Design

Respect, celebrate & enhance the neighborhood’s character

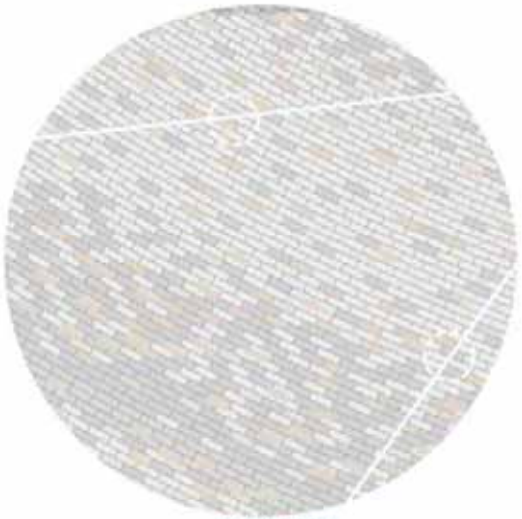
Concept Plan: Scope

Planning, Design + Development

AECOM

Concept Plan: Paving

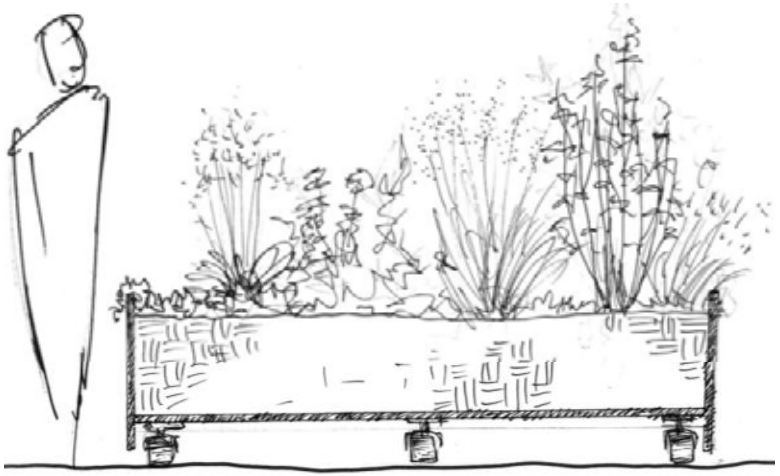
RAIL LINE PAVING DETAIL:
HORIZONTAL COBBLE 12"X 4" LIGHT GREY



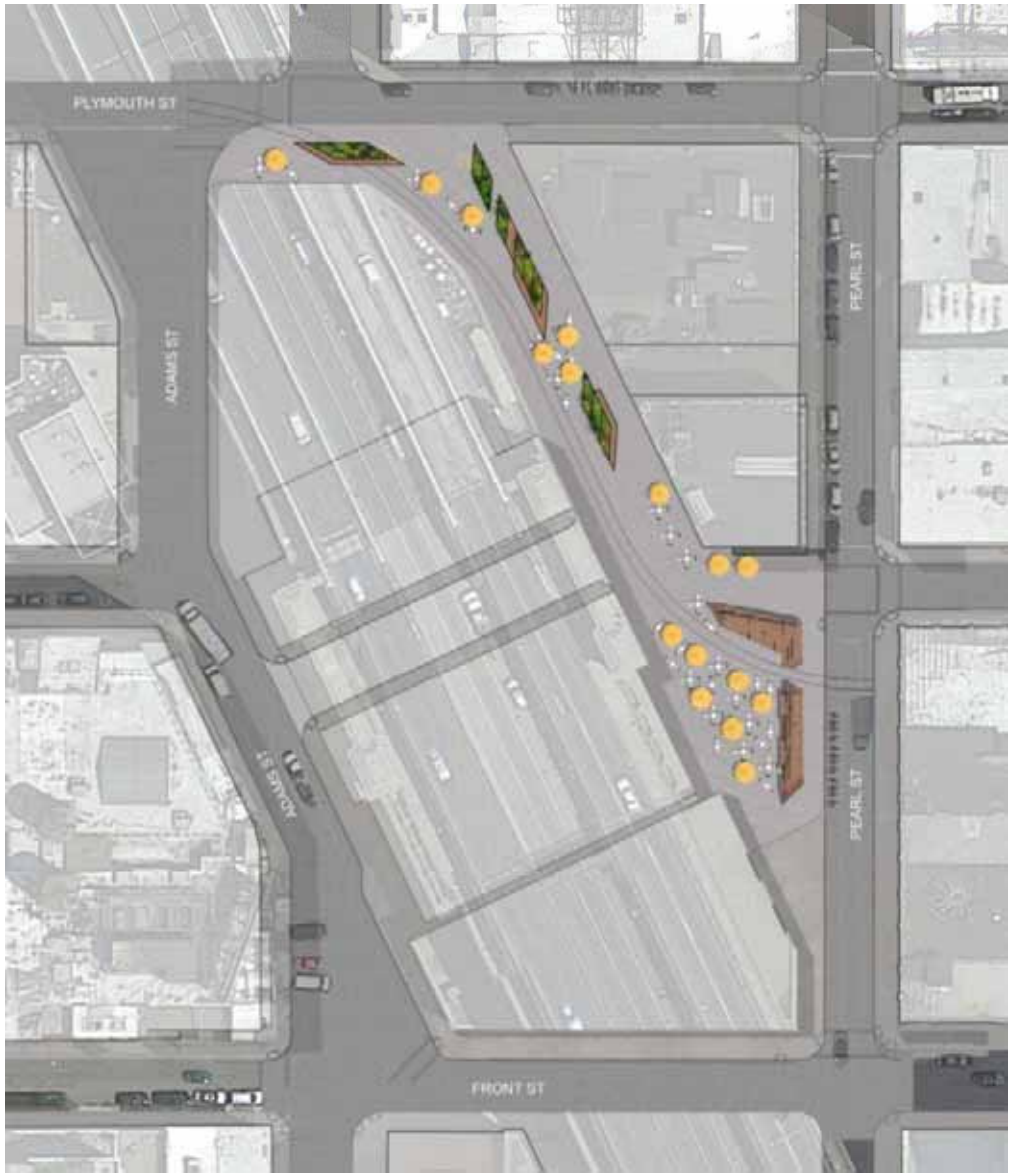
PAVING DETAIL:
MIX OF 12" X 4" LIGHT TAN / GREY - DARK TAN / GREY

Concept Plan: Benches and Planters

Concept Plan: Planters



Concept Plan: Flexible Seating

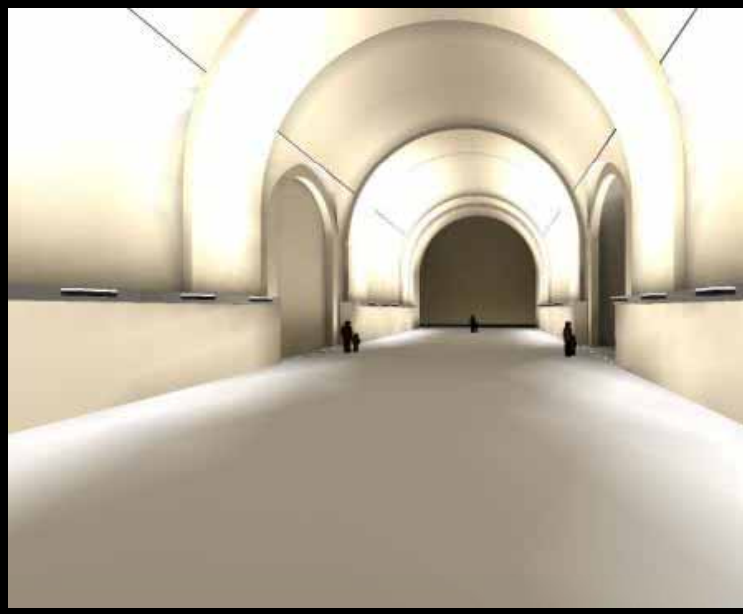


Rendering: Anchorage Place from Pearl St.

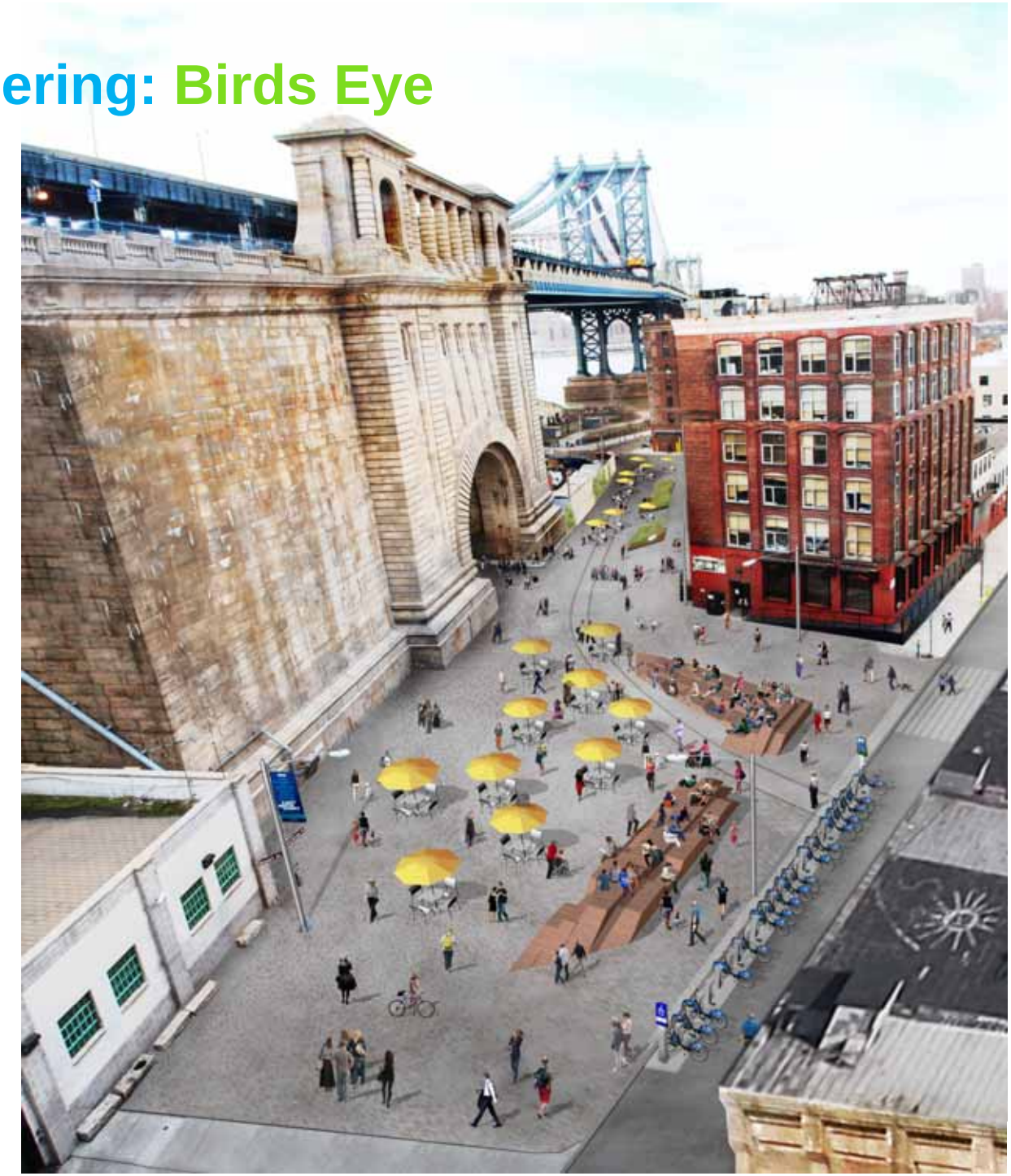
Rendering: Anchorage Place from Plymouth St.

Rendering: View from the Archway

Rendering: Lighting



Rendering: Birds Eye



Next Steps:

September 2013: LPC Presentation

Spring 2014: Advertise Project for Bidding

Fall 2014: Anticipated Construction begins

Fall 2016: Anticipated Construction completion

Thank You