PUBLIC HEARING

Concord Main Street Improvement Project

City of Concord, New Hampshire

May 23, 2013

McFarland Johnson

IAC Independent Archaeological Consulting, LLC

RICHARD D. BARTLETT & ASSOCIATES, LLC

GZA

Elizabeth Durfee Hengen

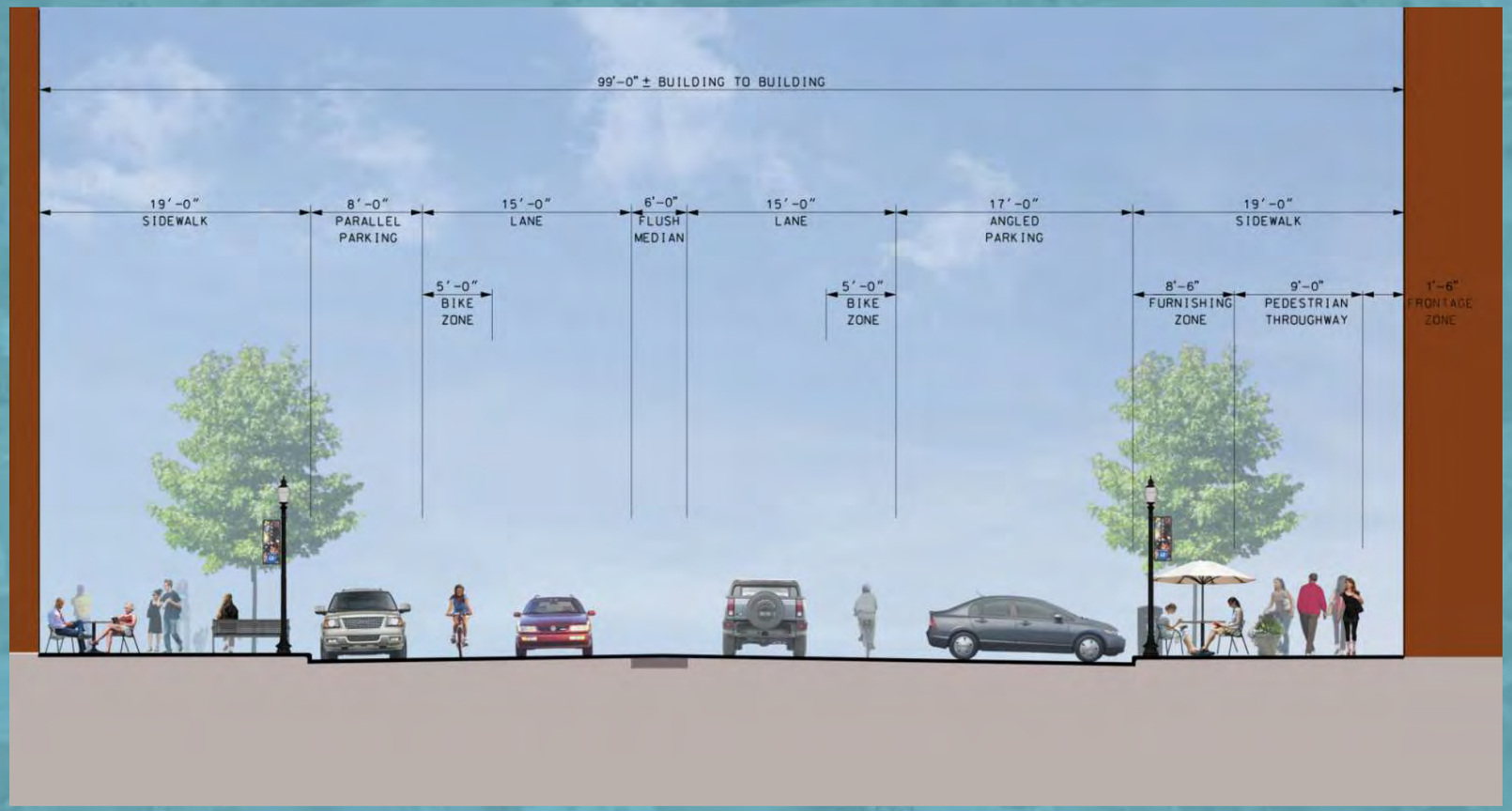
CRJA landscape architects

Meeting Agenda

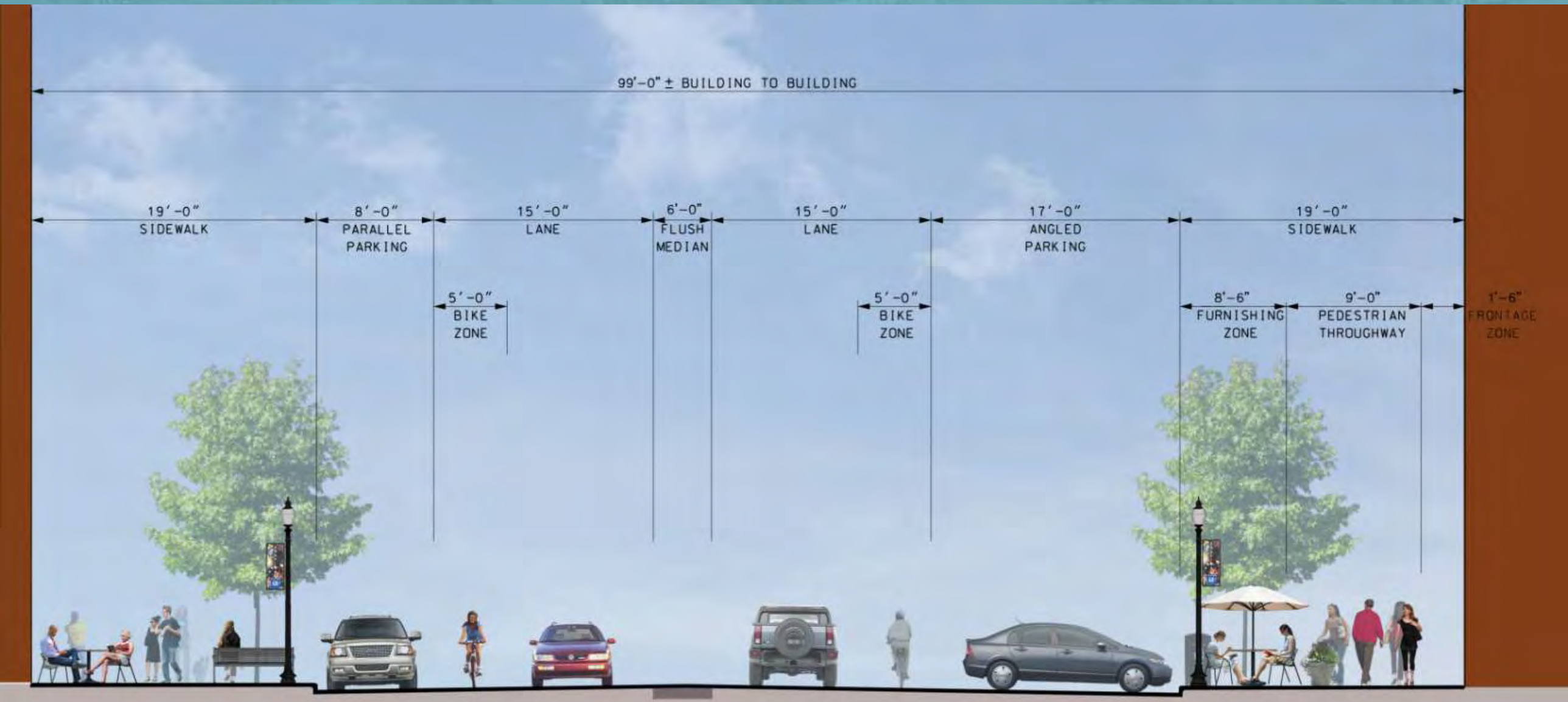
- Introductions/Opening Remarks
- Design Details
  - Roadway Elements
  - Sidewalk Elements
  - Streetscape
  - Miscellaneous
- Review Proposed Layout
- Public Comments
- Next Steps

Roadway Elements

- Typical Section
- Traversable Median
- Crosswalks
- Handicap Parking

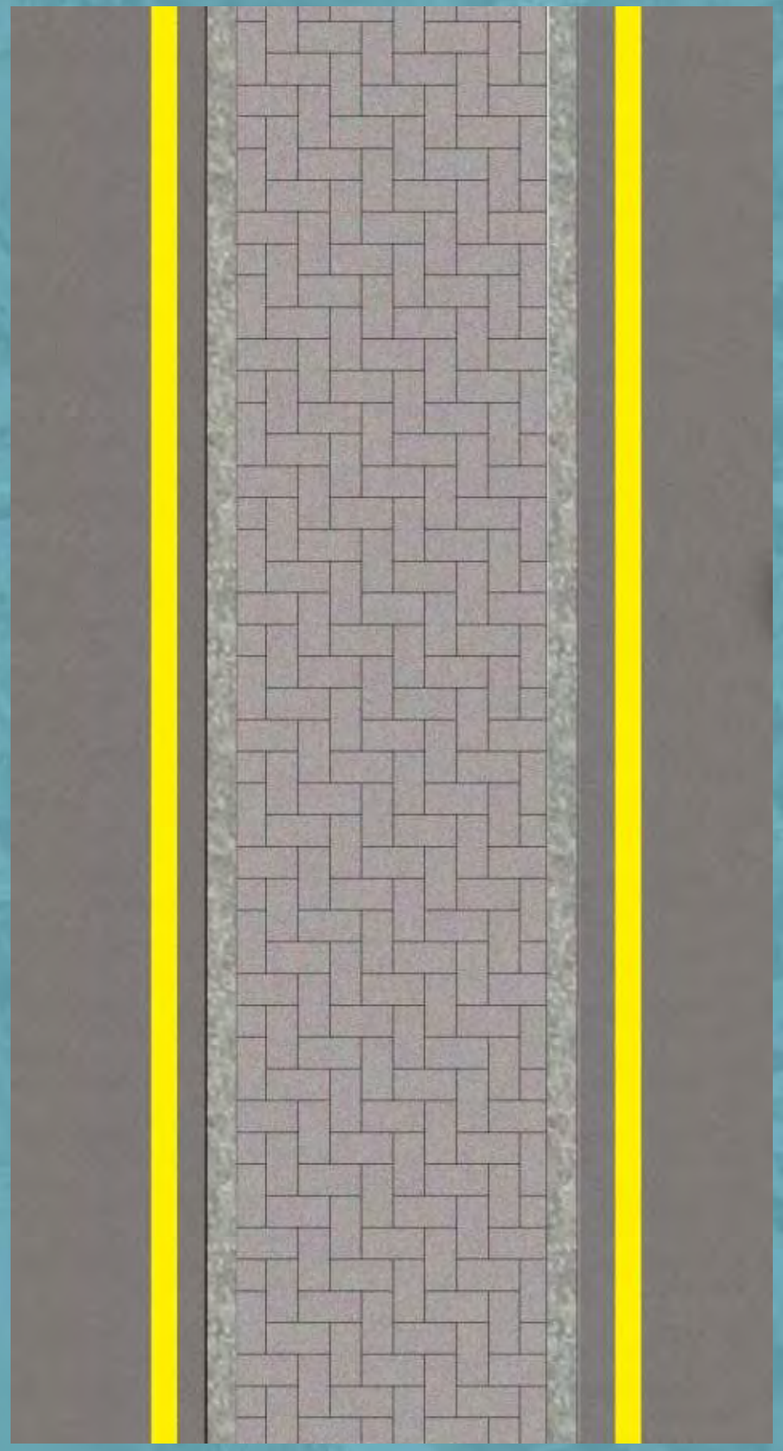


Roadway Elements: Typical Section

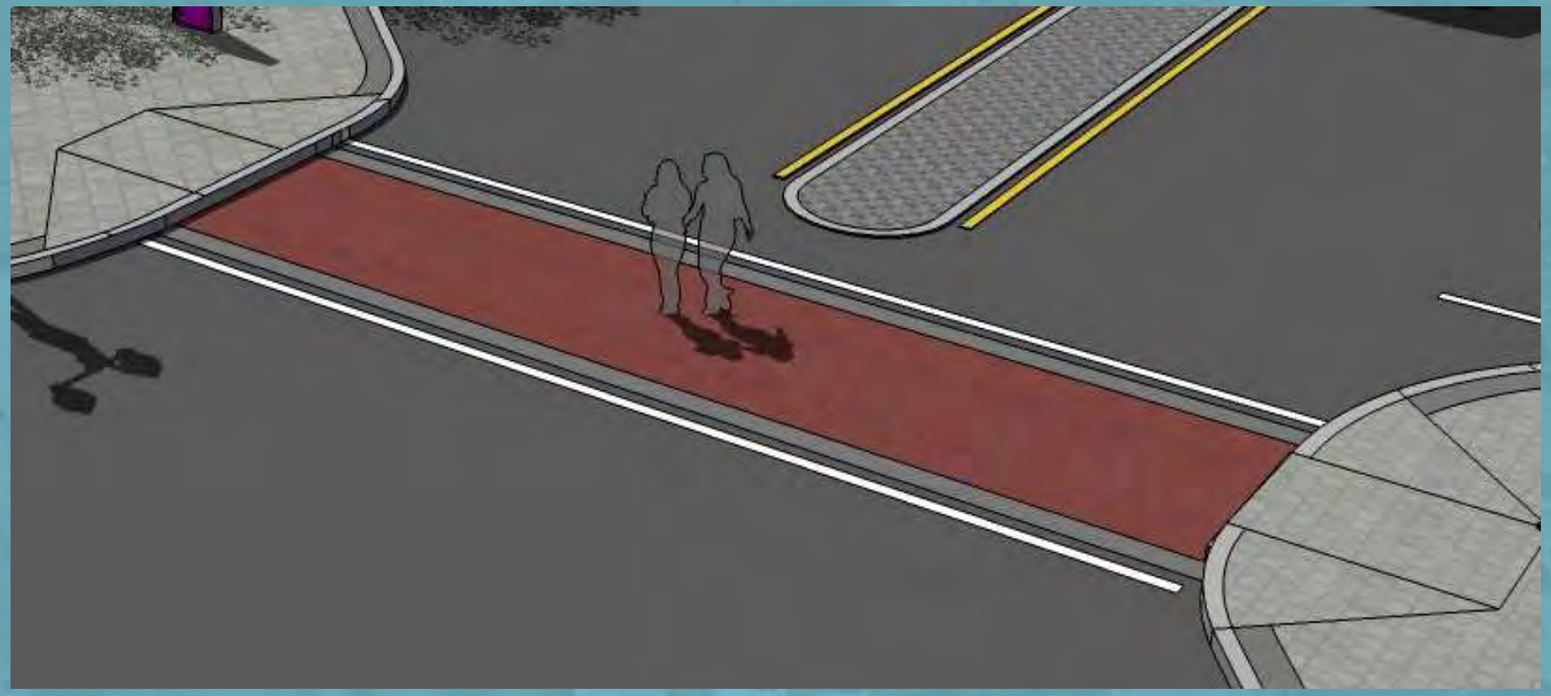


Roadway Elements: Traversable Median

- 6’ Wide Traversable Median
- Granite Cobble Surface
- Flush Granite Band

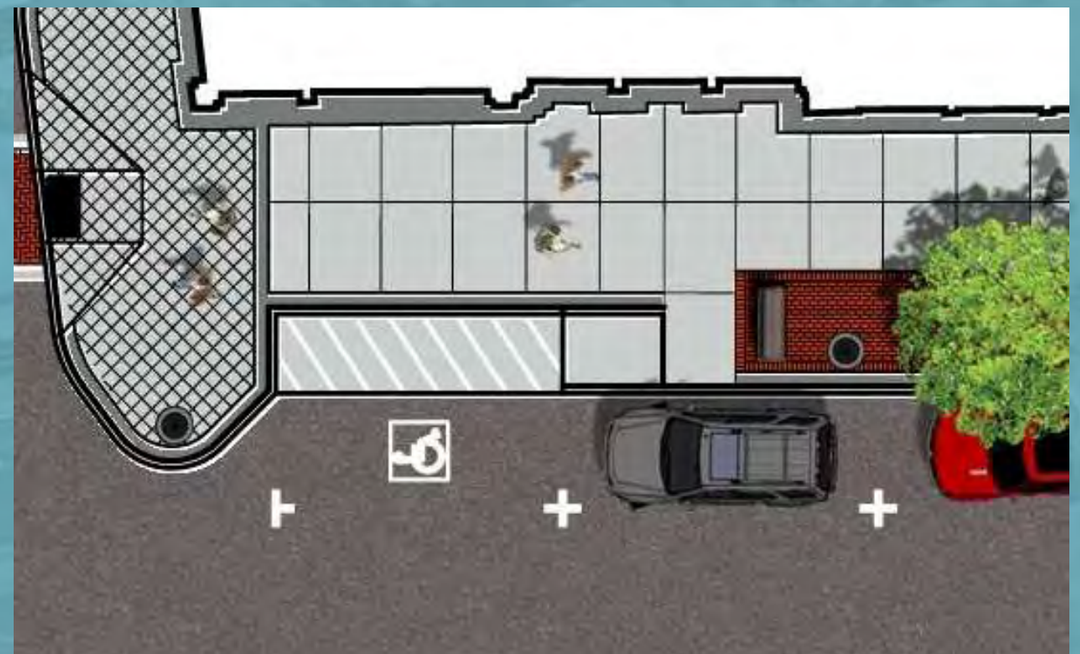


Roadway Elements: Crosswalks



- 8’ Wide (Minimum)
- Brick Paver Surface
- Flush Granite Band

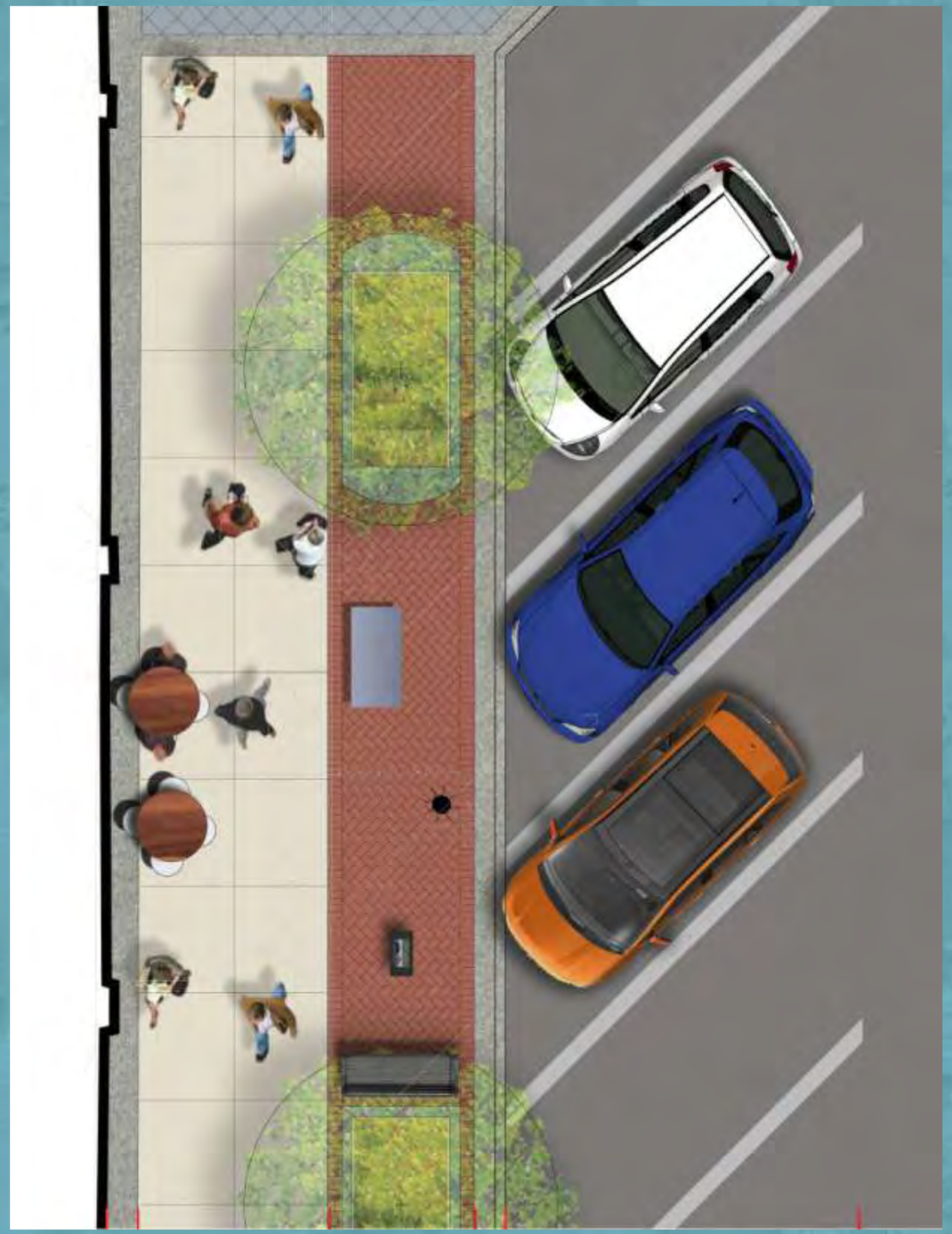
Roadway Elements: Handicap Parking



Sidewalk Elements

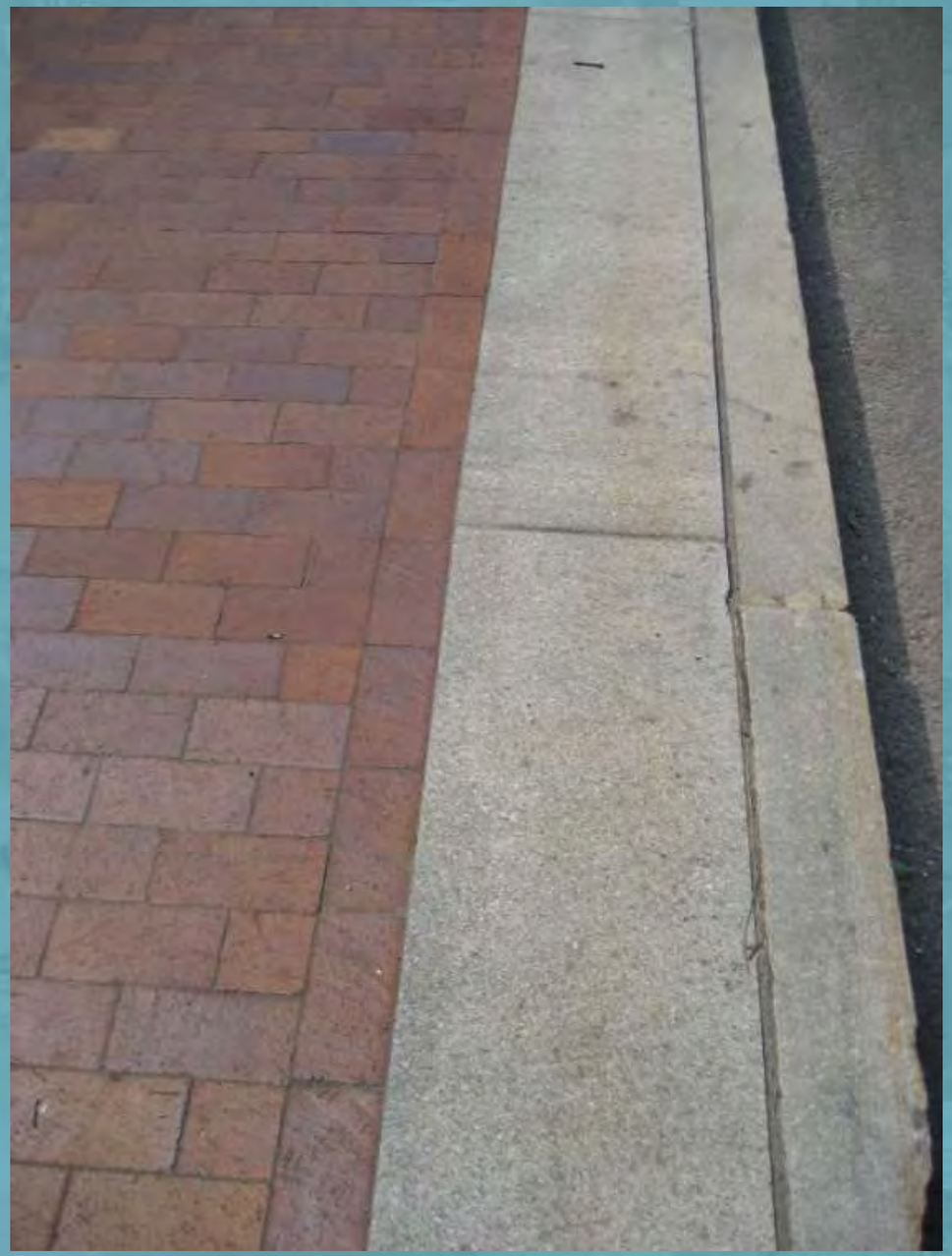
- Layout & Typical Section
- Paving Materials
- Street Lighting
- Planters
- Tree Grates
- Trees & Landscaping
- Benches
- Bicycle Racks
- Trash/Recycle Receptacles
- Newspaper Storage
- Parking Kiosks
- Bus Stop Shelters
- Wayfinding Signs

Sidewalk Elements: Layout and Typical Section



- 8 to 20’ Wide Sidewalks
- Head-In Angled Parking (shown) & Parallel Parking
- Brick Furnishing Zone with Herringbone Pattern and Soldier Course Band
- Pedestrian Concrete ‘Travel Zone’
- Raised Granite Planter with Integral Seat, Tree and Groundcover Planting
- Bench Seating Provides Conversation Opportunities
- Space for Outdoor Dining Seating
- Granite Band to Enhance Building Facades

Sidewalk Elements: Paving Materials



Granite Paver Band Adjacent to the Granite Curb

Brick Furniture Zone with Concrete Pedestrian Zone

Sidewalk Elements: Paving Materials

Granite Paver Patterns

Sidewalk Elements: Street Lighting

amerlux exterior

D730 Series

800.364.0096 • Fax: 281.997.5441 • www.amerluxexterior.com

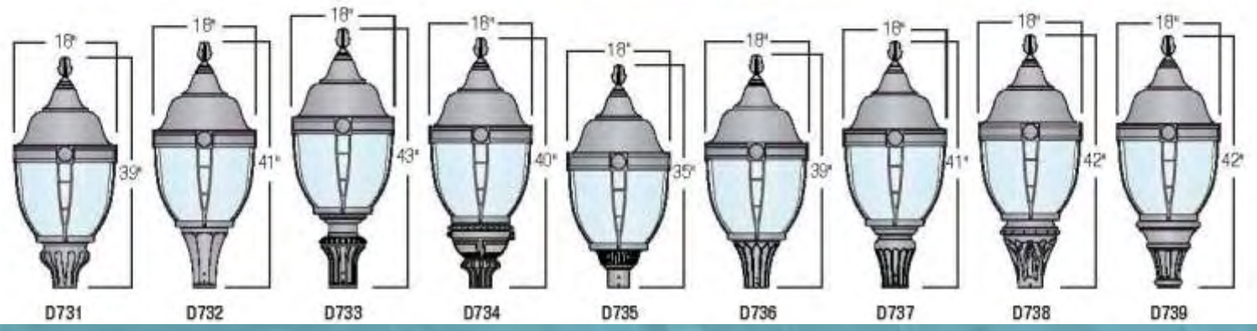
Description
The **D730 Series** is a high performance luminaire designed around an efficient Type III (**T3**) or Type V (**T5**) refractive lens. The spun aluminum hood minimizes light in the upper hemisphere.

Installation
The luminaire will mount to a 3" OD post or tenon with 5/16" black oxide coated stainless steel set screws to ensure a solid connection. The diffuser will be held to the fitter by (4) 5/16" black oxide coated stainless steel captive set screws.

Electrical
- High power factor ballast (HPF), core and coil type, pre-wired and tested
- Easy ballast pod access
- 4KV pulse rated porcelain socket
- Suitable for wet location

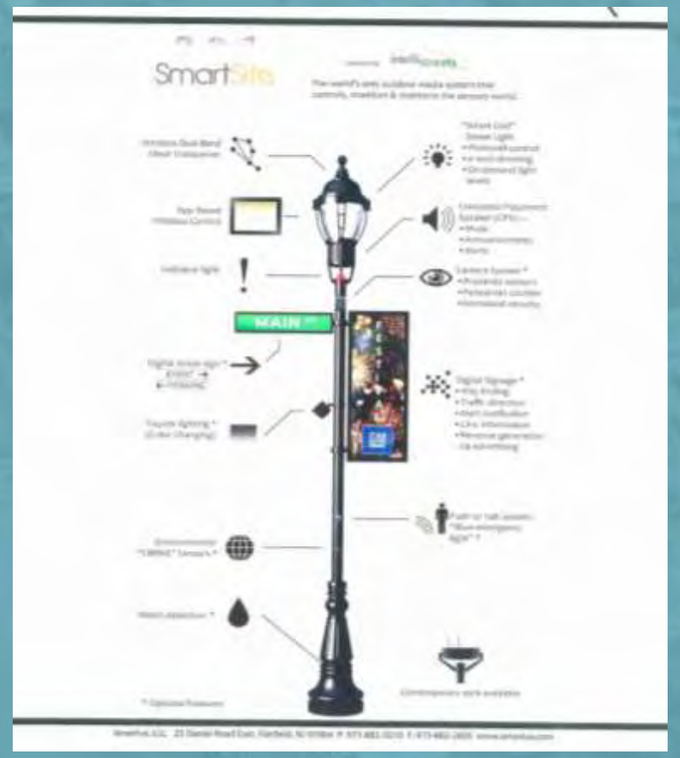
Diffuser choices
- Acrylic Type III (**AC-T3**)
- Acrylic Type V (**AC-T5**)
- Polycarbonate Type III (**PC-T3**)
- Polycarbonate Type V (**PC-T5**)

Finish
Premium quality thermoset polyester powdercoat (see Finish Selection)



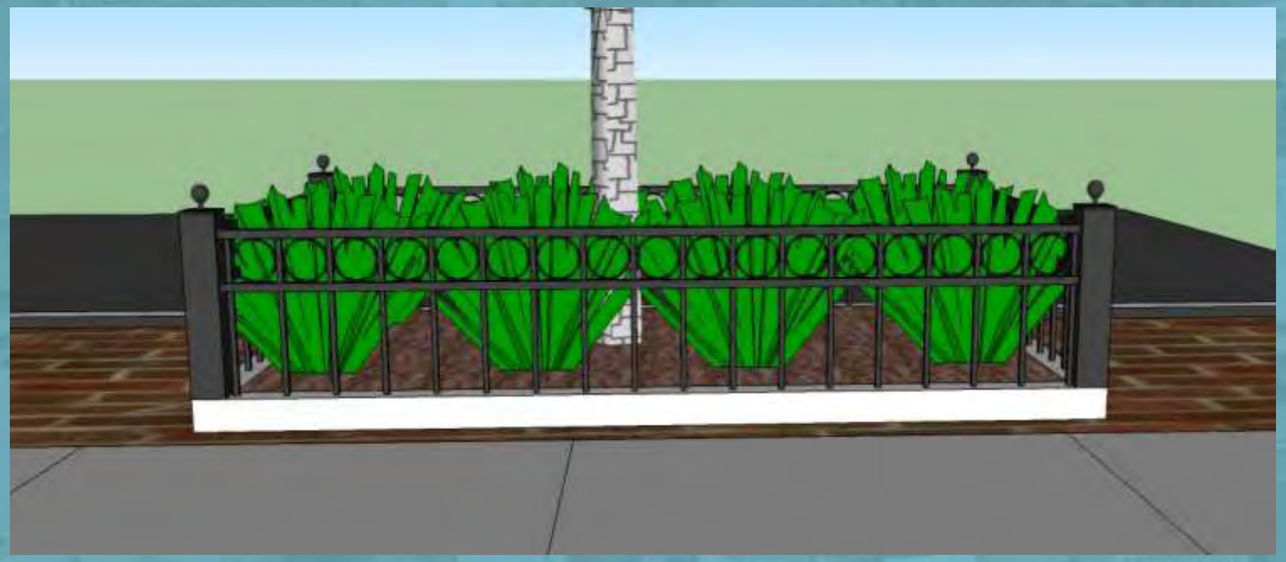
Amerlux D730 LED Light Fixture

- LED Light Source
- 14’-6” Pole Height
- 16’-0” Fixture Mounting Height
- 100 Standard Fixtures
- 25 Smart Fixtures
- Round Powder Coated Aluminum Pole
- Brackets to Hang Banners/Flowers



Sidewalk Elements: Street Lighting

Sidewalk Elements: Planters



Granite Curbed Planter with Ornamental Steel Fence

- 6” Tall Granite Curb
- 18” Tall Black Metal Fencing
- One Tree and Plantings
- Irrigation, Power & Up Lighting
- 32 Planters

Commercial Core

Tree in Granite Curbed Planter, Atlantic Avenue, Boston, MA

Sidewalk Elements: Planters

- 6” Tall Granite Curb (2 Sides)
- 18” Tall Integral Granite Seats
- 18” Tall Black Metal Fencing (2 Sides)
- One Tree and Plantings
- Irrigation, Power & Up Lighting
- 15 Planters

Granite Planter with Integral Seat & Ornamental Steel Fence

Sidewalk Elements: Planters

Sidewalk Elements: City Plaza Planters

- 6” Tall Granite Curb (1 Side)
- 18” Tall Integral Granite Seats (3 Sides)
- 18” Tall Black Metal Fencing (1 Side)
- One Tree and Plantings
- Irrigation, Power & Up Lighting
- 4 Planters

Sidewalk Elements: Tree Grates

48”x 48” Cast Iron Tree Grate

Sidewalk Elements: Trees & Landscaping

Sidewalk Elements: Trees & Landscaping

- 65’-0” Mature Height
- 45’-0” Mature Spread
- Medium Growth Rate
- Beautiful Bark

Trees: Platanus x acerifolia - London Planetree

Sidewalk Elements: Trees & Landscaping

- 40’-0” Mature Height
- 35’-0” Mature Spread
- Fast Growth Rate
- Airy Canopy

Trees: Gleditsia triancanthos - Honey Locust

Sidewalk Elements: Trees & Landscaping

- 50’-0” Mature Height
- 30’-0” Mature Spread
- Slow to Medium Growth Rate
- Excellent Fall Color

Trees: Ginkgo biloba - Ginkgo

Sidewalk Elements: Trees & Landscaping

- 45’-0” Mature Height
- 15’-0” Mature Spread
- Medium to Fast Growth Rate
- Excellent Fall Color

Trees: Acer Rubrum - Armstrong Red Maple

Sidewalk Elements: Trees & Landscaping

Groundcover / Perennial: Pennisetum aloepecuroides ‘Hameln’ – Dwarf Fountain Grass

Sidewalk Elements: Trees & Landscaping

Groundcover / Perennial: Rudbeckia fulgida ‘Goldstrum’ – Black-eyed Susan

Sidewalk Elements: Trees & Landscaping

Groundcover / Perennial: Hemerocailis ‘Happy Returns’ - Daylily

Sidewalk Elements: Trees & Landscaping

Groundcover / Perennial: Liriope muscari ‘Big Blue’ - Lilyturf

Sidewalk Elements: Trees & Landscaping

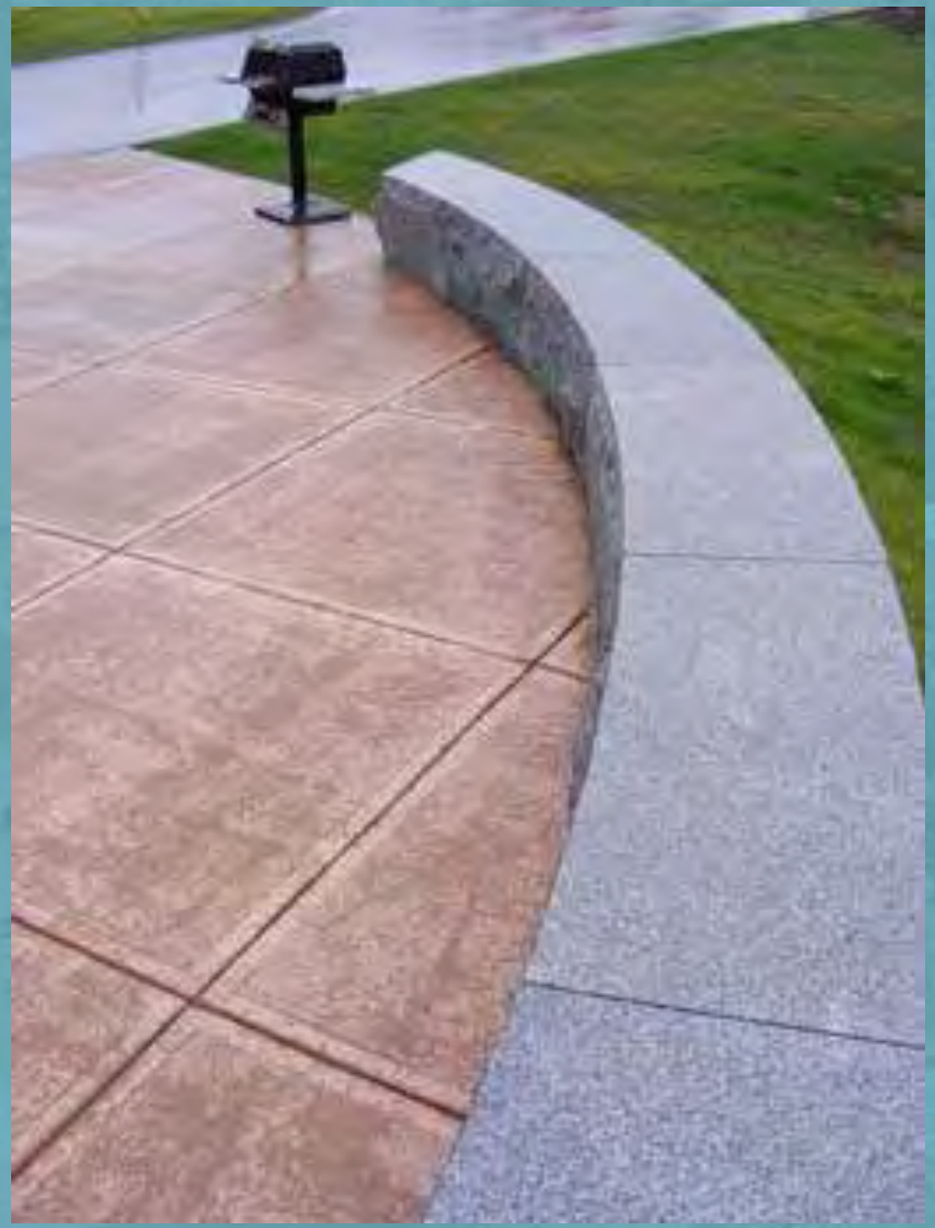
Moveable Planters

Sidewalk Elements: Metal Benches

- 20 Benches
- 4 to 5 Unique Designs

Sidewalk Elements: Granite Benches

Sidewalk Elements: Granite Benches



- 34 Granite Benches

Sidewalk Elements: Granite Block Benches

Sidewalk Elements: Bike Racks

Landscape Forms Key Bike Rack

- 30 Bike Racks

Sidewalk Elements: Trash/Recycle Receptacles

Big Belly Solar Powered Trash & Recycling Receptacle

- 12 Receptacles

Sidewalk Elements: Newspaper Storage

Vending Machine

Corral

Sidewalk Elements: Parking Kiosks

- 33 Kiosks
- 17 Relocations
- 16 New

Sidewalk Elements: Bus Stop Shelters

- Relocate 1 Existing Shelter (SB @ Park Street)
- Provide 1 New Shelter (NB opposite Park Street)

Sidewalk Elements: Wayfinding Signs

- 7' Tall Sign
- Acrylic Panel
- Internally Lighted
- You are Here Map
- Historic Information
- Other Information
- Consideration for Multiple Sided Signs

Way Finding Signage – You Are Here Map

Sidewalk Elements: Wayfinding Signs

- 7’ Tall Sign
- Acrylic Panel
- Internally Lighted
- You are Here Map
- Historic Information
- Other Information
- Consideration for Multiple Sided Signs

Way Finding Signage – Historic Information

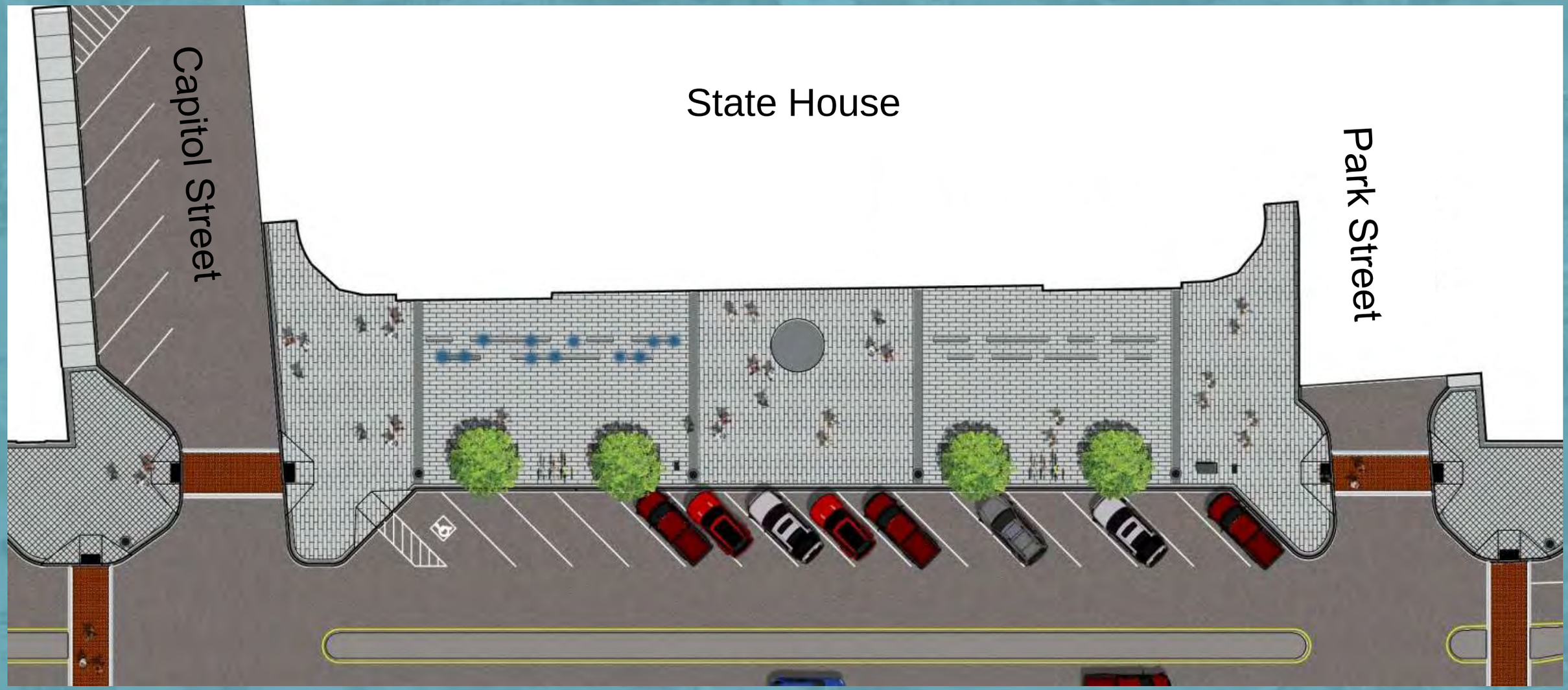
Sidewalk Elements: Wayfinding Signs

- Internally Lighted Street Signs
- Optional Lighted Wayfinding Signs

Streetscape Elements

- City Plaza at State House
- Eagle Square Plaza
- Phenix Avenue Plaza
- Bicentennial Square Plaza
- Capital Center for the Arts Plaza

Streetscape Elements: City Plaza at State House



Streetscape Elements: City Plaza at State House

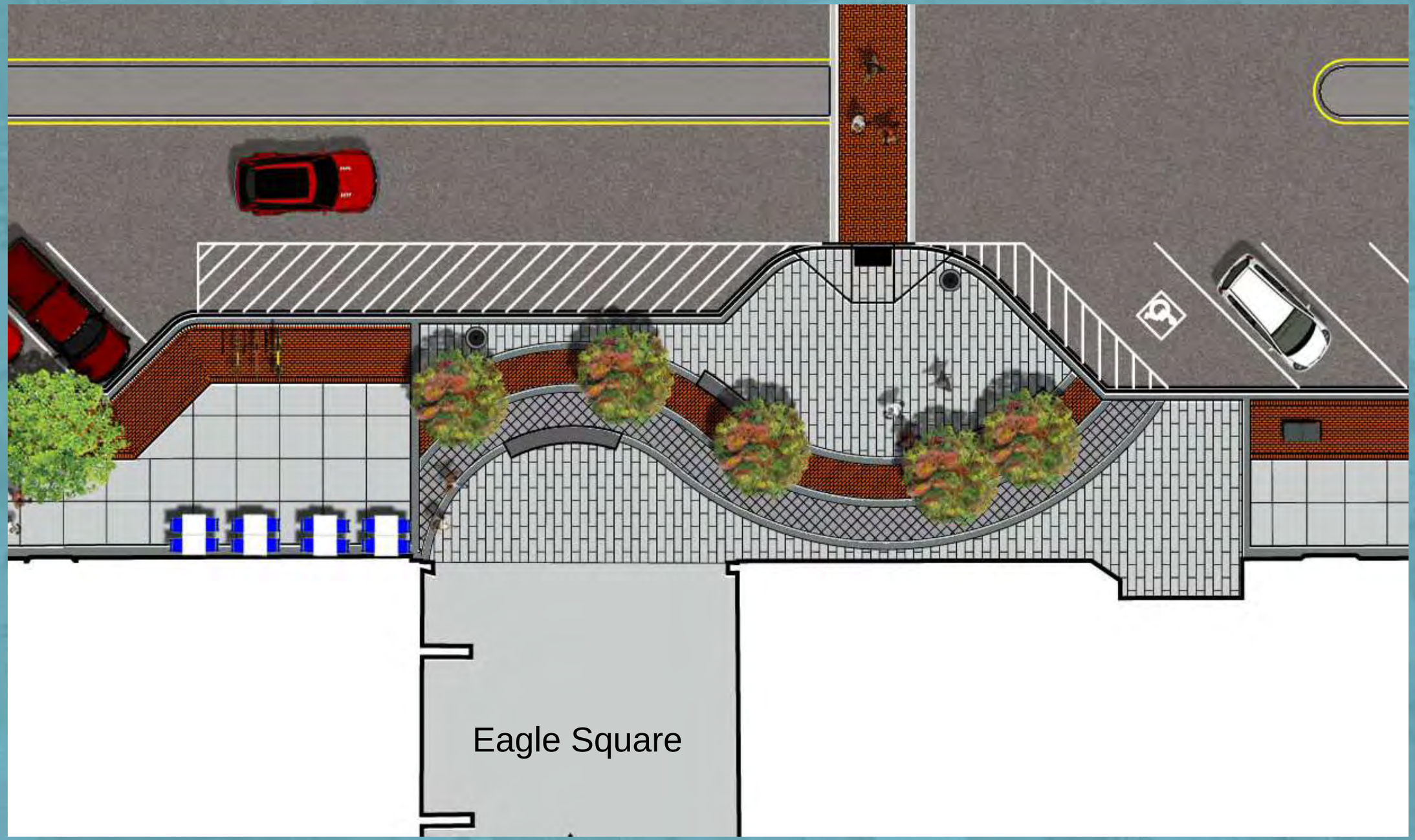
Streetscape Elements: City Plaza at State House

North End Park Fountain, Boston, MA

Streetscape Elements: City Plaza at State House

Rose Kennedy Greenway Fountain, Boston, MA

Streetscape Elements: Eagle Square Plaza



Streetscape Elements: Eagle Square Plaza

Aerial View of Eagle Square Plaza

Streetscape Elements: Eagle Square Plaza

Sidewalk View of Eagle Square Plaza

Streetscape Elements: Phenix Avenue Plaza

Streetscape Elements: Phenix Avenue Plaza

Aerial View of Phenix Avenue Plaza with Clock Tower

Streetscape Elements: Phenix Avenue Plaza

Aerial View of Phenix Avenue Plaza with Clock Tower

Streetscape Elements: Phenix Avenue Plaza

Aerial View of Phenix Avenue Plaza with Clock Tower

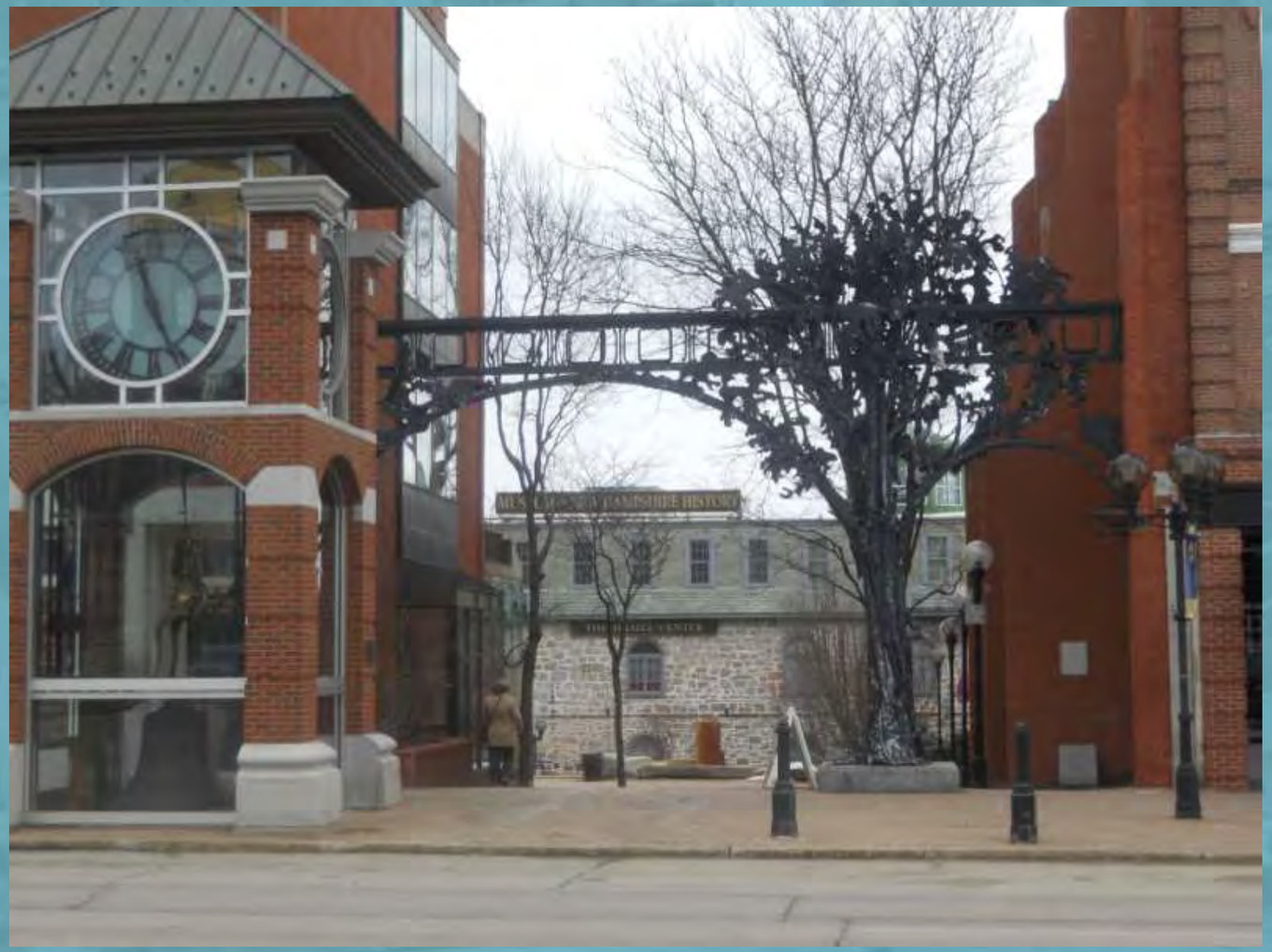
Streetscape Elements: Bicentennial Square

Streetscape Elements: Capital Center for the Arts Plaza

Miscellaneous Elements

- Clock Tower
- Banners
- Public Art
- Restrooms
- South End Utility Lines
- Informational Kiosk

Clock Tower: Existing Location (Eagle Square)



Clock Tower: Proposed Location (Phenix Avenue)

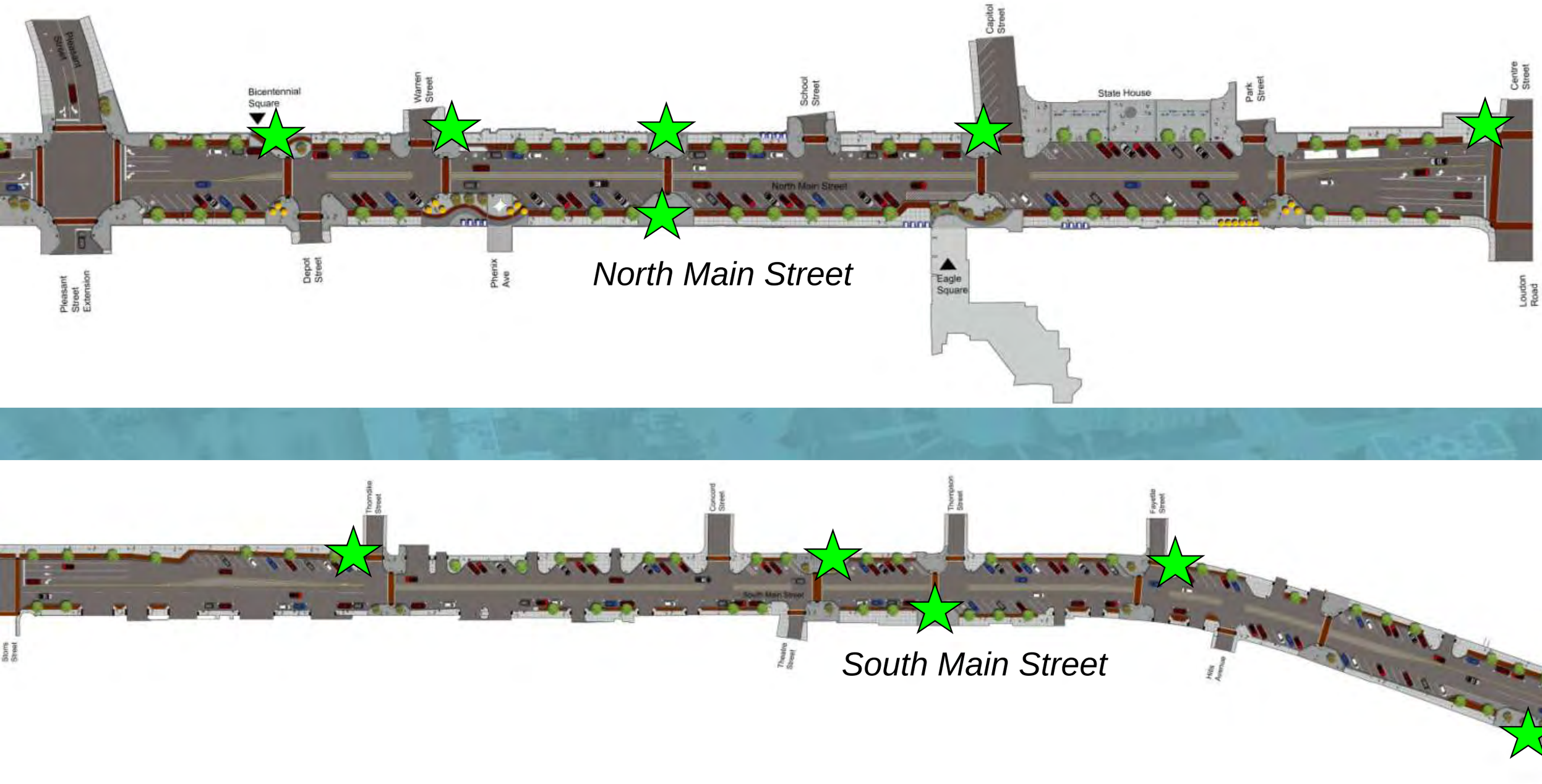
Banners

Potential Banner Across Loudon Road Approaching Downtown

Banners

Potential Banner Across Loudon Road Approaching Downtown

Public Art



North Main Street

South Main Street

Restrooms

Portland Loo
Patented
$100,000

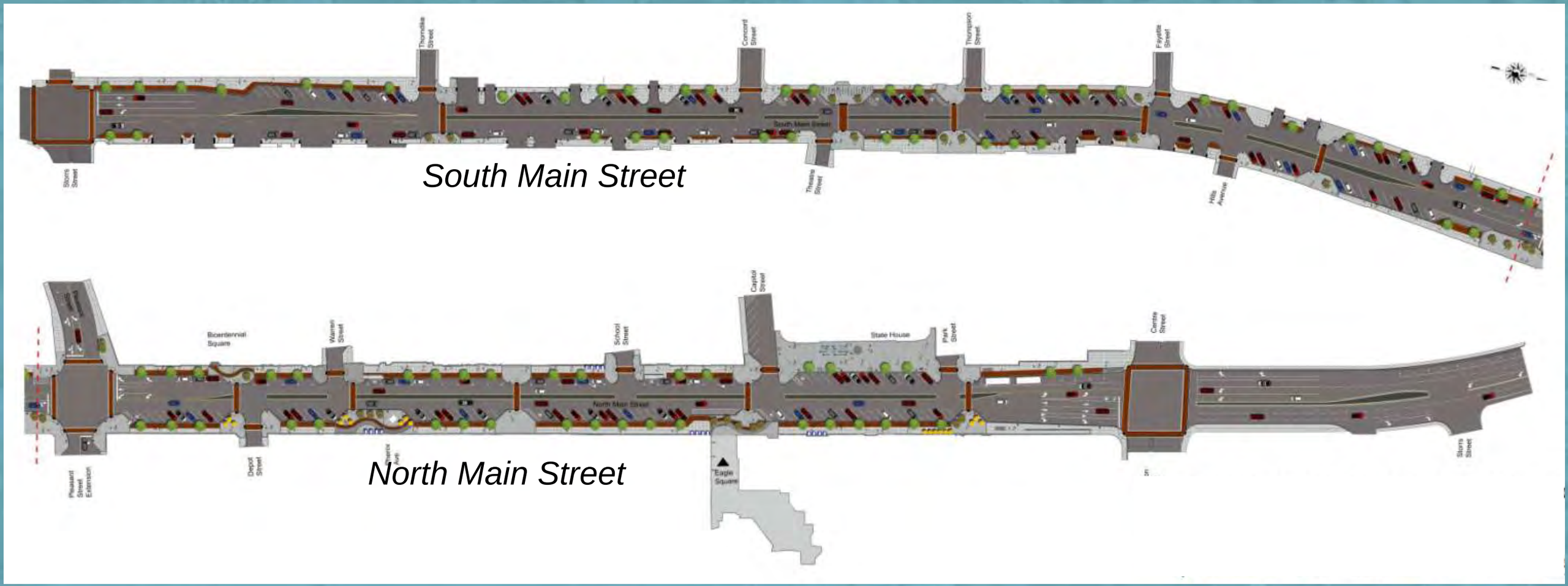
San Francisco Toilet
Self Cleaning
$150,000 (Min)

Downtown Concord
Bicentennial Square

South Main Street Utilities

South Main Street Utilities

Project Layout



South Main Street

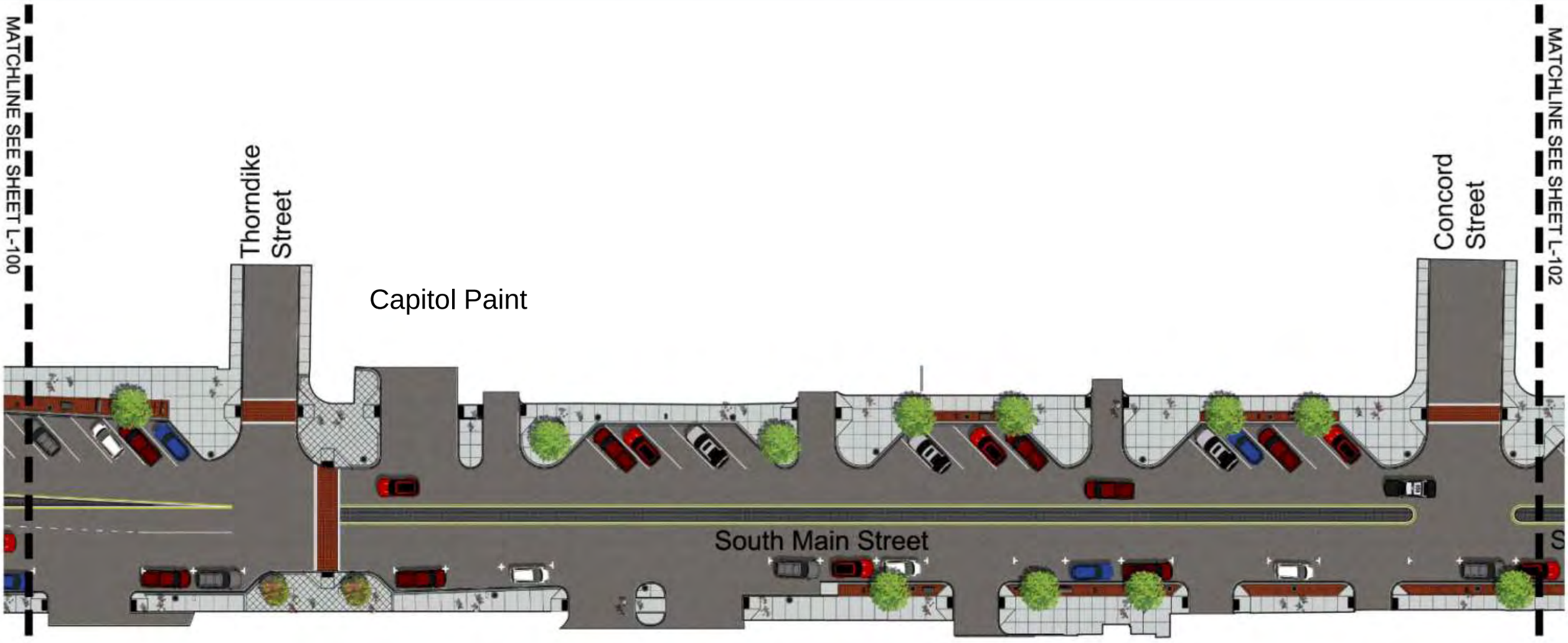
North Main Street

McFarland Johnson

CRJA landscape architects

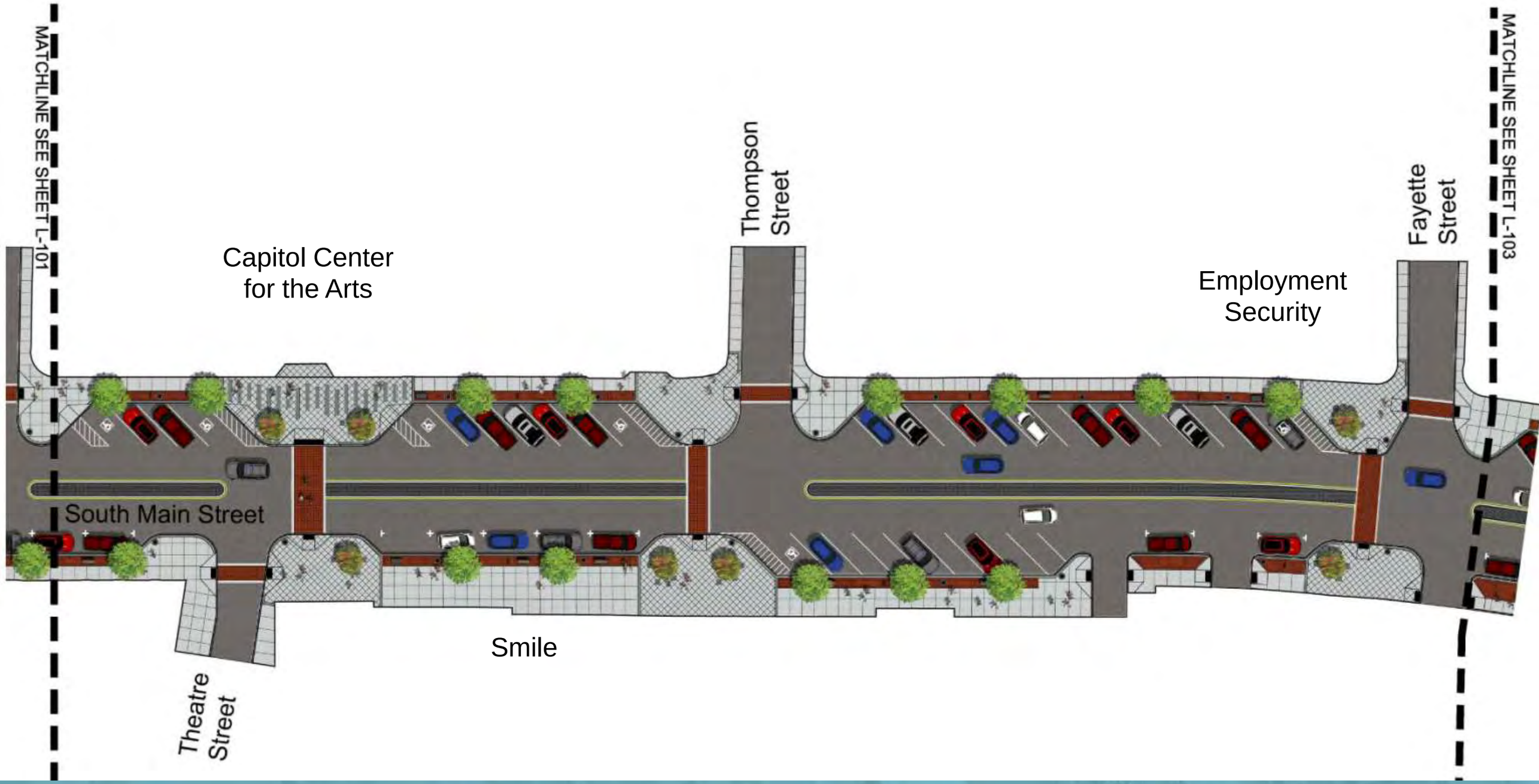
Project Layout: Sheet L100

Project Layout: Sheet L101

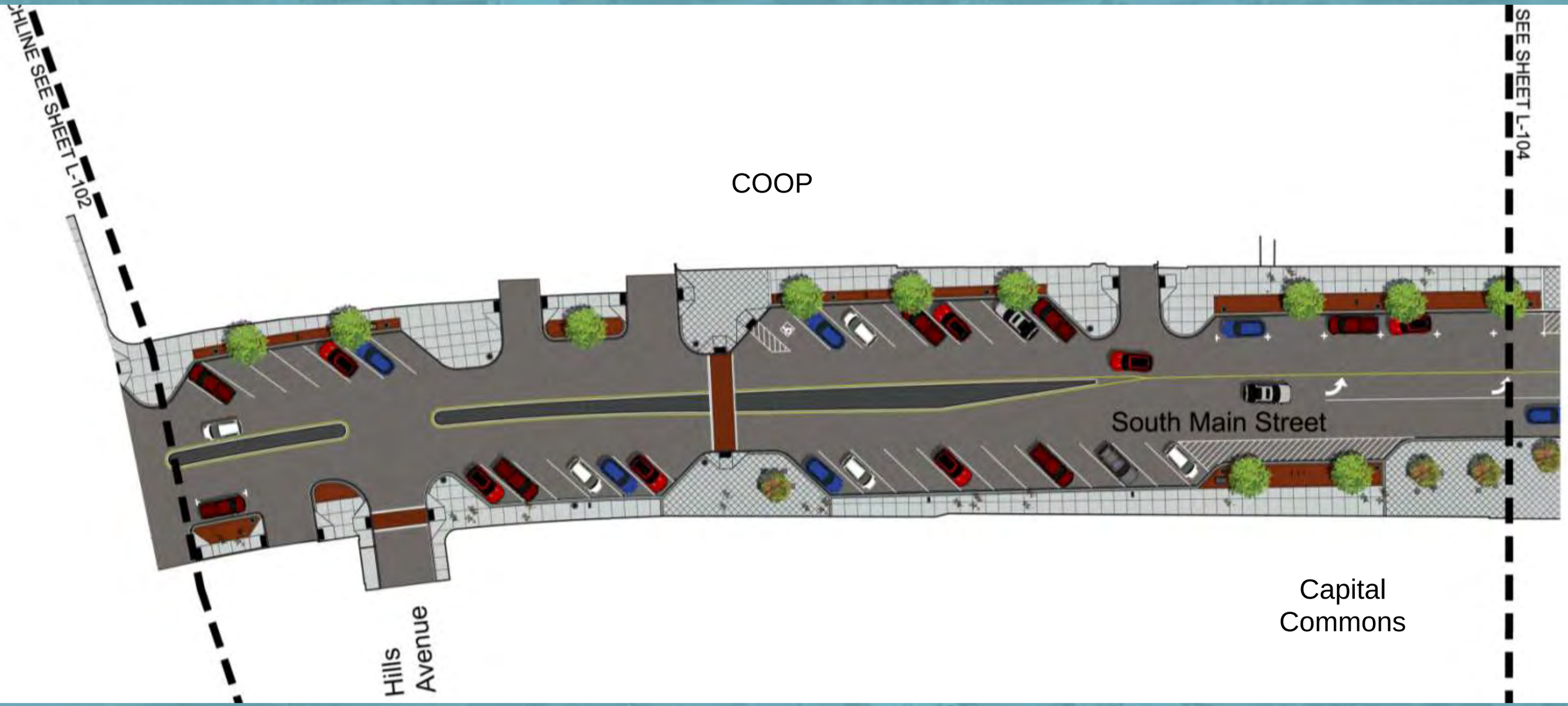


The Draft

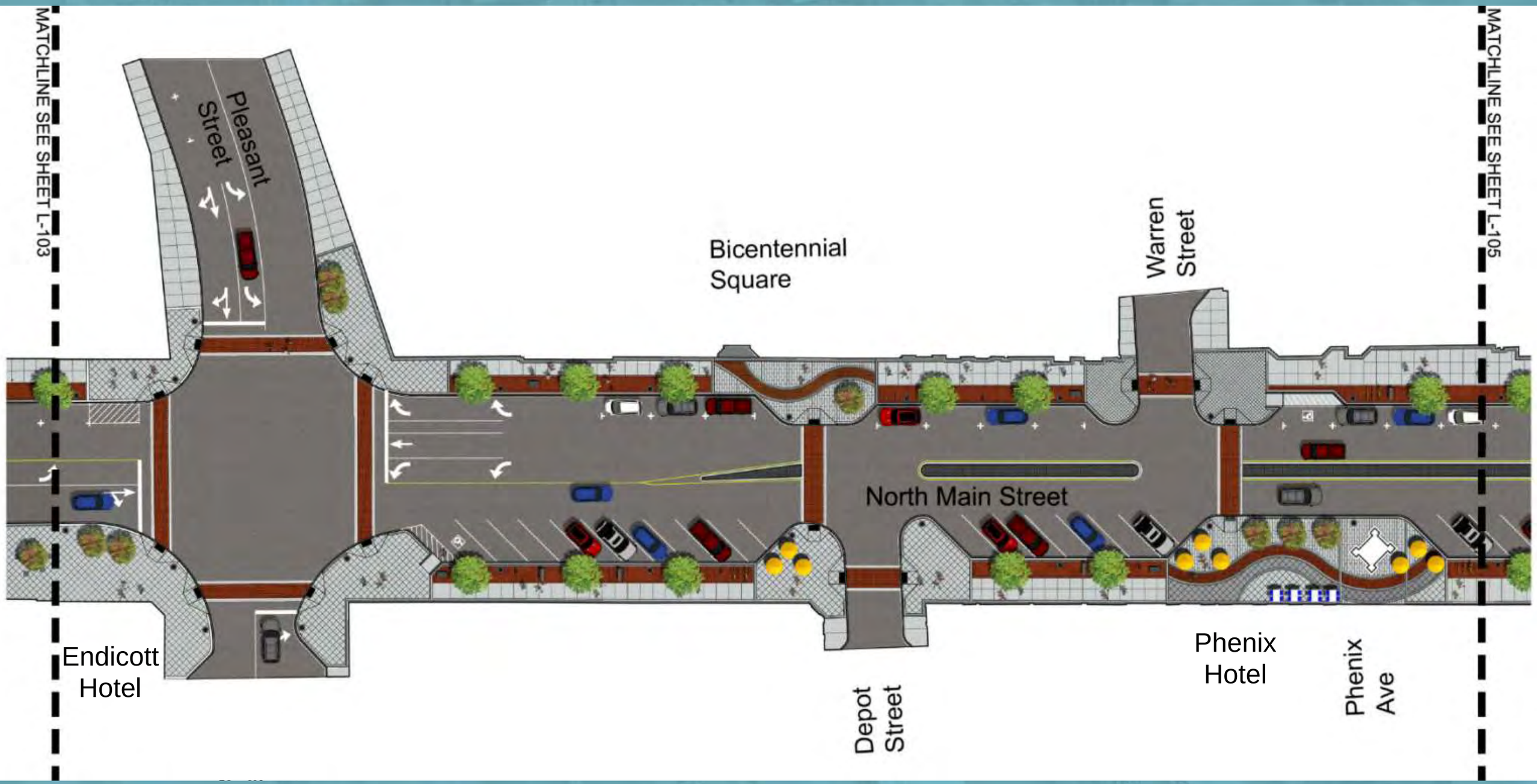
Project Layout: Sheet L102



Project Layout: Sheet L103



Project Layout: Sheet L104



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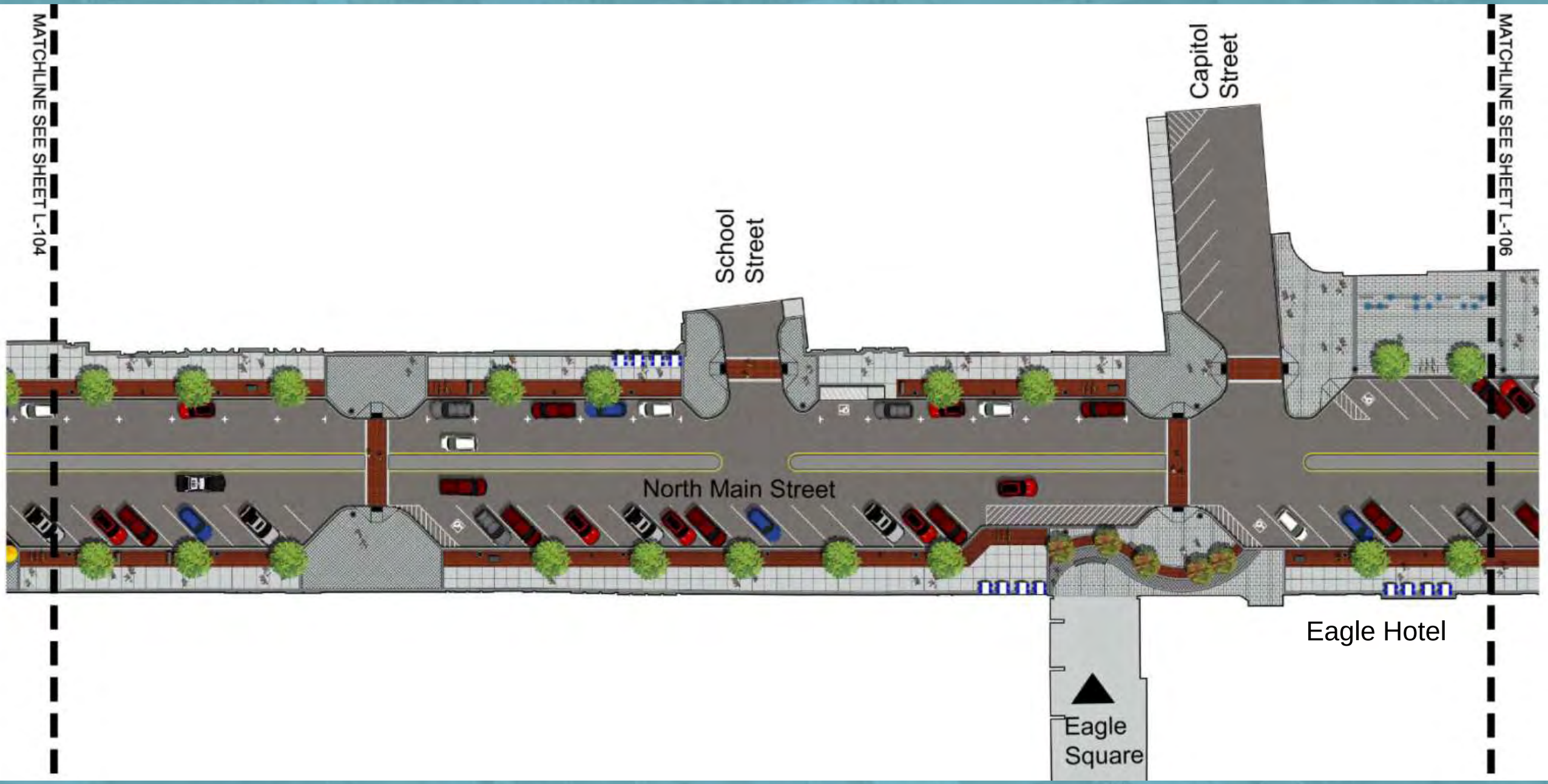

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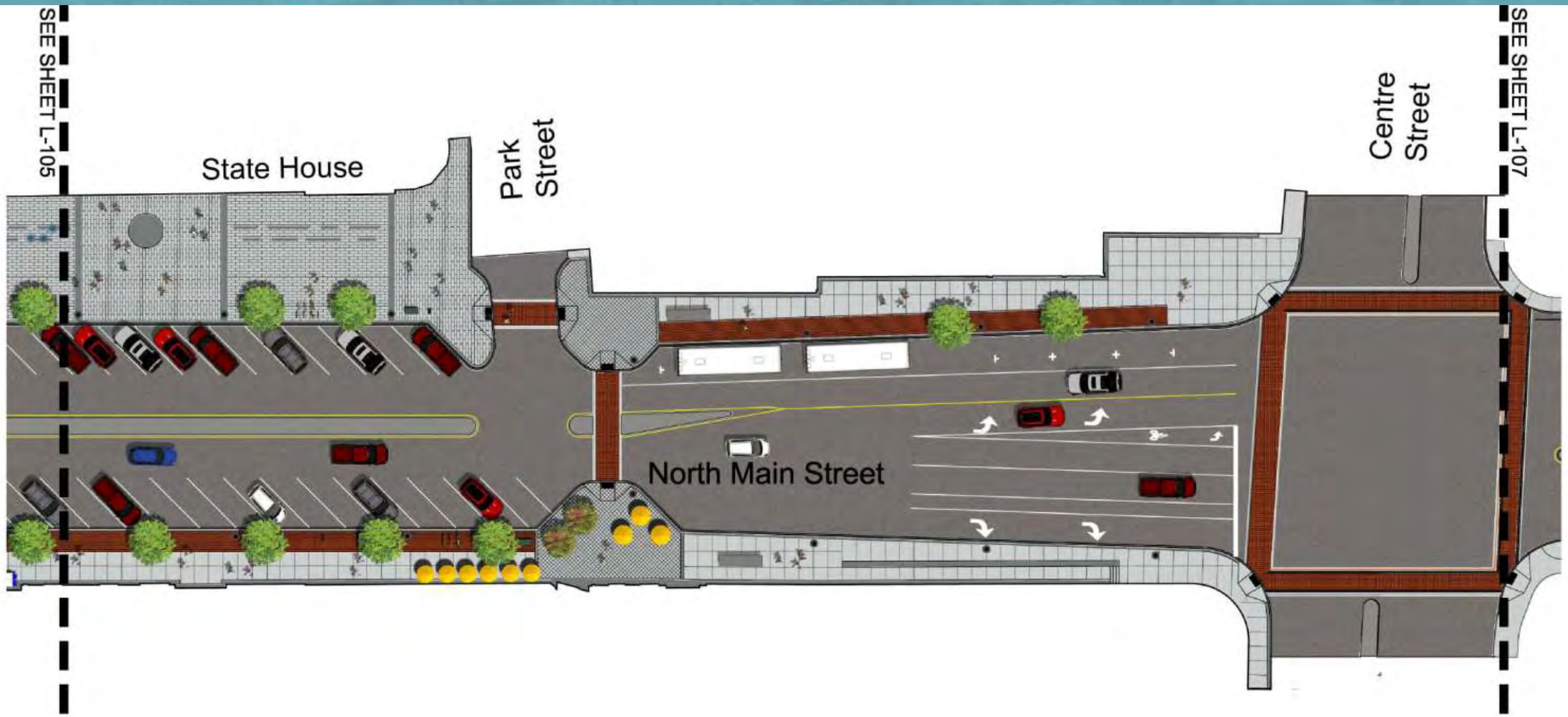

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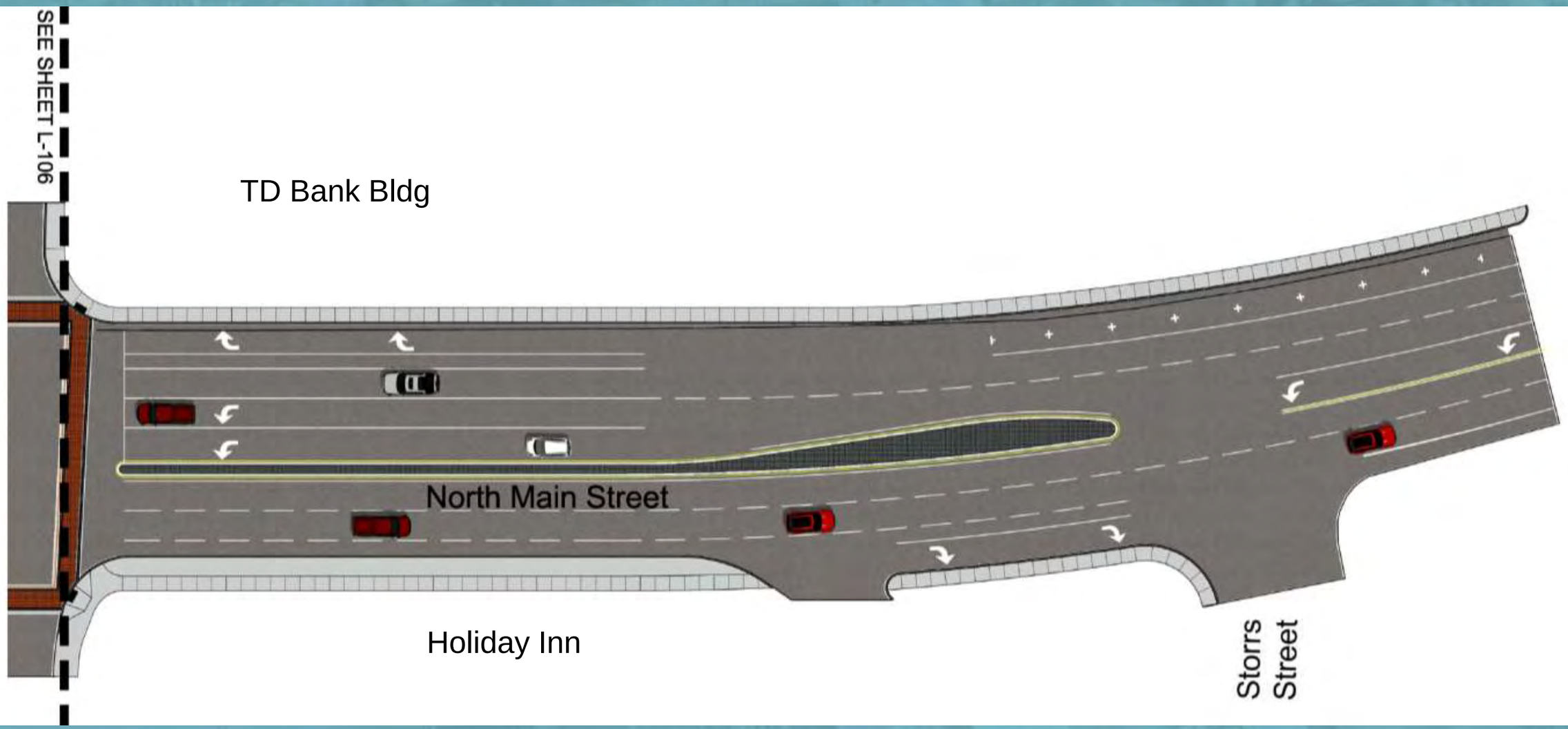

Public Comments / Questions