CONTEXT SENSITIVE SOLUTIONS

PROJECT ELEMENTS

NORTH SPLIT UPGRADES
DRIVING PROGRESS

PROJECT ELEMENTS

DESIGN FRAMEWORK

PROJECT OVERVIEW

This approach to conceptual design of the North Split Project originated from the idea of a “footing” - a base from which everything is built upon and acts as the first point of new development - in this case the bridges and underpasses throughout the project site.

APPLYING DESIGN PRINCIPLES

SAFETY
FOSTER ***SAFE*** *COMMUNITIES*

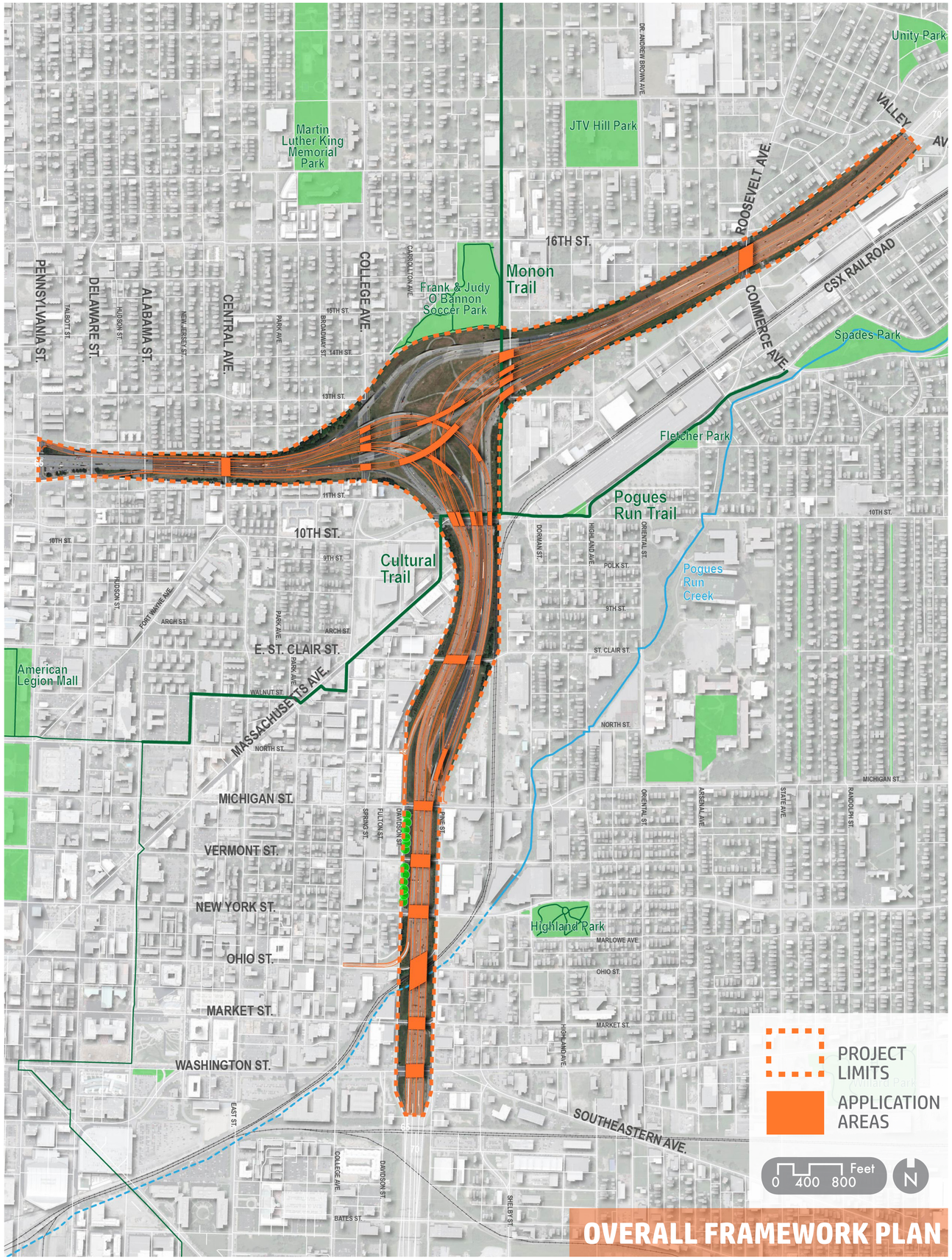
IDENTITY
ENHANCE ***IDENTIFIABLE*** *COMMUNITIES*

CONNECTIVITY
SUPPORT ***CONNECTED*** *COMMUNITIES*

SUSTAINABILITY
ADVANCE ***SUSTAINABLE*** *COMMUNITIES*

ARTISTRY
ENCOURAGE ***ARTISTIC*** *COMMUNITIES*

NORTH SPLIT UPGRADES DRIVING PROGRESS



OVERALL FRAMEWORK PLAN

PROJECT ELEMENTS
DESIGN TREATMENTS

NORTH SPLIT UPGRADES DRIVING PROGRESS

COMPONENT IDENTIFICATION

TREATMENT DEVELOPMENT:

After collecting input at stakeholder and neighborhood meetings, twelve components that support the project goals and objectives were identified as being of most importance to the North Split Redesign project treatments.

These design components are the cornerstone pieces of the North Split CSS process; they meet both the safety and functionality requirements set for the driver experience above, as well as the aesthetic and safety needs expressed by the neighboring communities for the pedestrian experience below.

Color, Form & Texture Palettes

Pulls inspiration for redesign from existing and changing context.

Retaining & Abutment Walls

Acts as decorative support structures, not dividers, to elevate bridges.

Piers & Columns

Acts as decorative support structures for extended bridge spans.

Lighting

Addresses concerns of safety using fixtures of various forms and scale.

Signage

Enhances on- and off-ramp experience by matching bridge design aesthetics.

Surfacing

Delineates space as pedestrian, motorized, or non-motorized.

Traffic Barriers

Acts as safety dividers between various forms of transit and use spaces.

Sound Barriers

Will respond (if determined feasible and reasonable) to a need for sound buffering while keeping visual connection.

Fencing

Separates public space or private property from interstate right-of-way, ensuring safety for all.

Side Slope

Improves the relationship between the interstate and adjacent properties.

Landscape

Mimics a more naturalized setting, blending the infrastructure with nature.

Public Art Space

Enhances neighborhood identity and strengthens community pride.

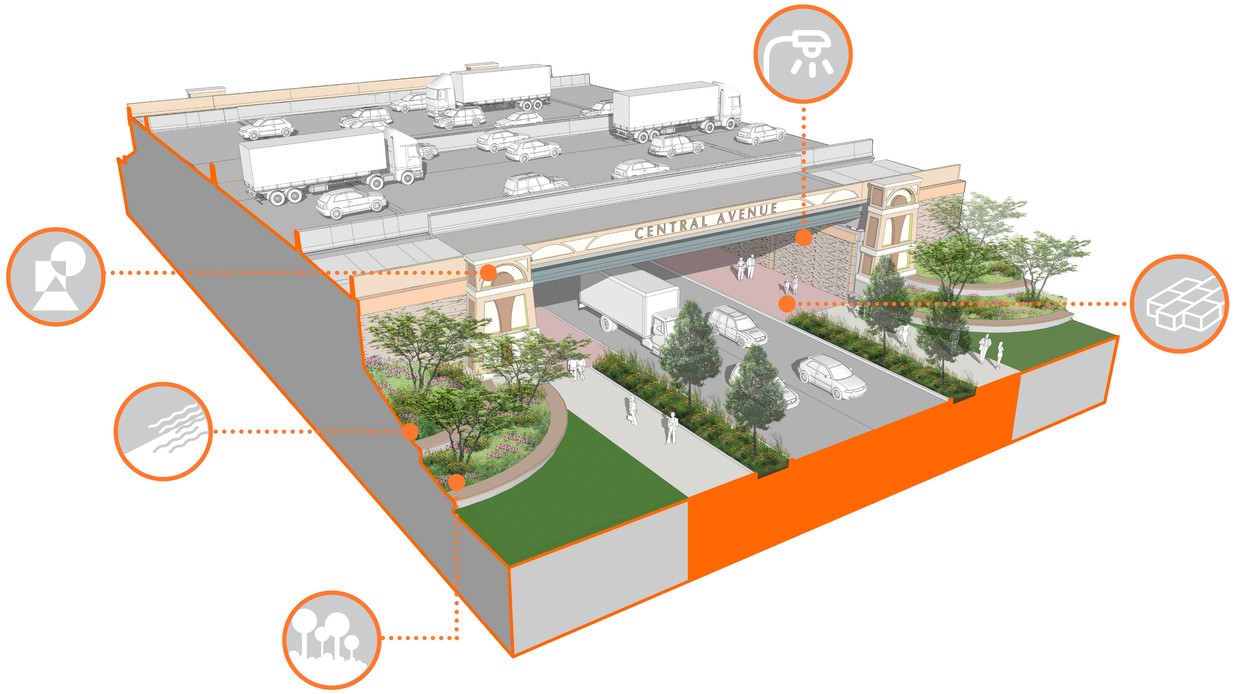
PROJECT ELEMENTS

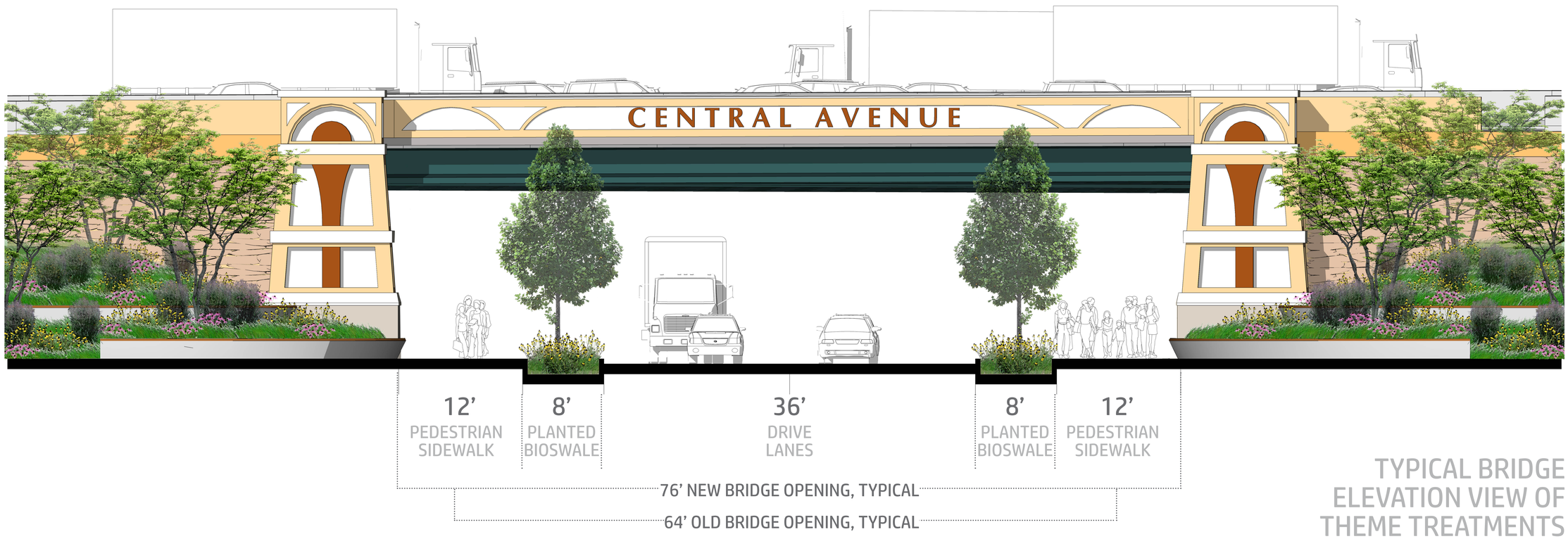
THEME OVERVIEW

THEME APPLICATION: “CLASSIC DESIGN”

Influenced by the **local landmarks** and inspired by some of the **neighborhoods’ architecture**, the Classic Design Theme **builds upon that character** utilizing forms and shapes found **in the neighborhood context**.

THEME APPLICATION COMPONENTS





TYPICAL BRIDGE ELEVATION VIEW OF THEME TREATMENTS

NORTH SPLIT UPGRADES DRIVING PROGRESS

PROJECT ELEMENTS

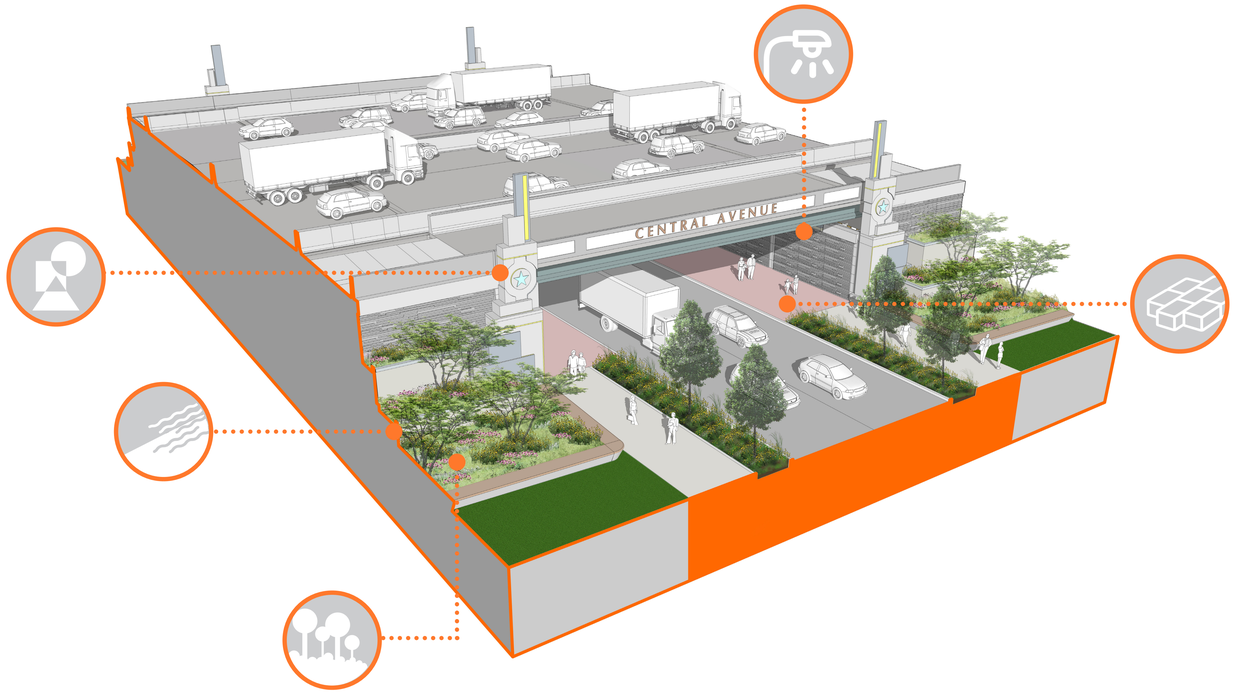
THEME OVERVIEW

NORTH SPLIT UPGRADES DRIVING PROGRESS

THEME APPLICATION: “CIVIC DESIGN”

Influenced by the **city’s identity** and inspired by some **spaces of the public realm**, the Civic Design Theme **highlights that monumentality** utilizing forms and shapes that **celebrate the capitol city**.

THEME APPLICATION COMPONENTS



TYPICAL BRIDGE ELEVATION VIEW OF THEME TREATMENTS

PROJECT ELEMENTS

DESIGN COMPONENT

NORTH SPLIT UPGRADES DRIVING PROGRESS

COLOR PALETTE

Design Summary:

Color is a significant element in reinforcing corridor continuity. The visual qualities of color can define, clarify, accentuate or subdue the effect of the corridor components, especially on large structures such as bridges and walls.

Characteristics:

- Use colors that reinforce and blend with the surrounding context.
- Embrace the natural color of constructed materials that are complementary to other colors proposed therefore minimizing painting applications.
- Specify durable and long lasting integral color systems.

	CLASSIC DESIGN THEME		CIVIC DESIGN THEME	
	CHART:	APPLICATION:	CHART:	APPLICATION:
CONCRETE (A)		• Bridge Piers & Caps • Bridge Pilasters & Posts • Bridge Rails & Parapets • Noise Barrier Caps and Posts • Sign Structure Supports		• Bridge Piers & Caps • Bridge Pilasters & Posts • Bridge Rails & Parapets • Noise Barrier Caps and Posts • Sign Structure Supports
CONCRETE (B)		• Retaining Walls • Bridge Abutments • Noise Barrier Panels		• Retaining Walls • Bridge Abutments • Noise Barrier Panels
CONCRETE/ METALS (C)		• Bridge Tub/Boxes • Bridge Beam/Girder • Noise Barrier Panels and Posts		• Bridge Tub/Boxes • Bridge Beam/Girder • Noise Barrier Panels and Posts
METALS (D)		• Ornamental Lights • Interstate Railing		• Ornamental Lights • Interstate Railing
ACCENTS (A)		• Wall Detailing • Abutment Column Detailing • Bridge Railing • Relief Texture		• Wall Detailing • Abutment Column Detailing • Bridge Railing • Relief Texture

PROJECT ELEMENTS

DESIGN COMPONENT

NORTH SPLIT UPGRADES DRIVING PROGRESS

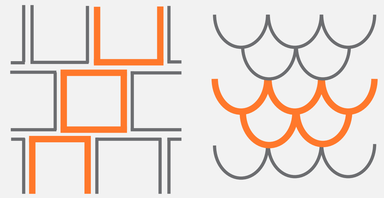
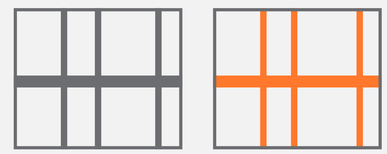
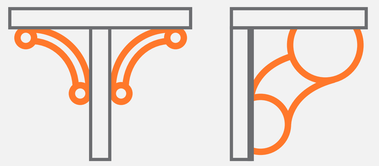
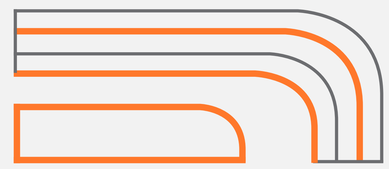
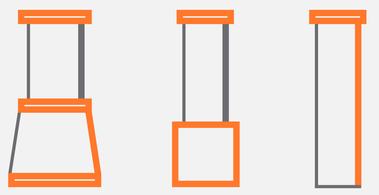
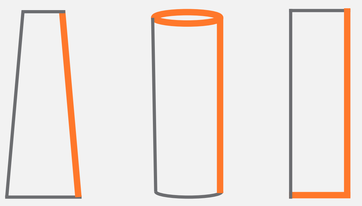
FORM & TEXTURE PALETTE

Design Summary:

Form and texture are also significant elements in reinforcing corridor continuity. A stronger relationship between the project and the context is achieved by replicating forms and textures seen in environs around the project site. Forms and textures can provide an opportunity to introduce patterns and shapes that both define scale and unify a design palette.

Characteristics:

- Use forms and textures that are inspired by local structures, buildings, trails, and environment.
- Embrace the natural texture of constructed materials that are complementary to other textures proposed therefore minimizing surface applications.
- Specify forms and textures that can be replicated efficiently at a high quality of construction.

	CLASSIC DESIGN THEME LANDMARK/ NEIGHBORHOOD	CIVIC DESIGN THEME GRAND/ INFRASTRUCTURE
FACADE	 	 
ROOFLINE	 	 
WINDOW	 	 
AWNING	 	 
VERTICAL	 	 

PROJECT ELEMENTS

DESIGN COMPONENT

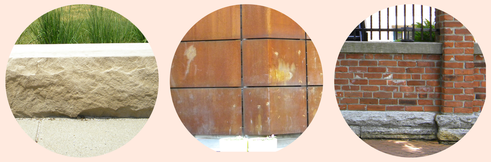
ABUTMENT WALLS

Design Summary:

Abutment walls are one of the most significant design components within a freeway corridor. These elements act as the primary substructure, elevating the interstate bridges over the local streets. They provide the opportunity for the inclusion of public art, and expansion of pedestrian systems.

Characteristics:

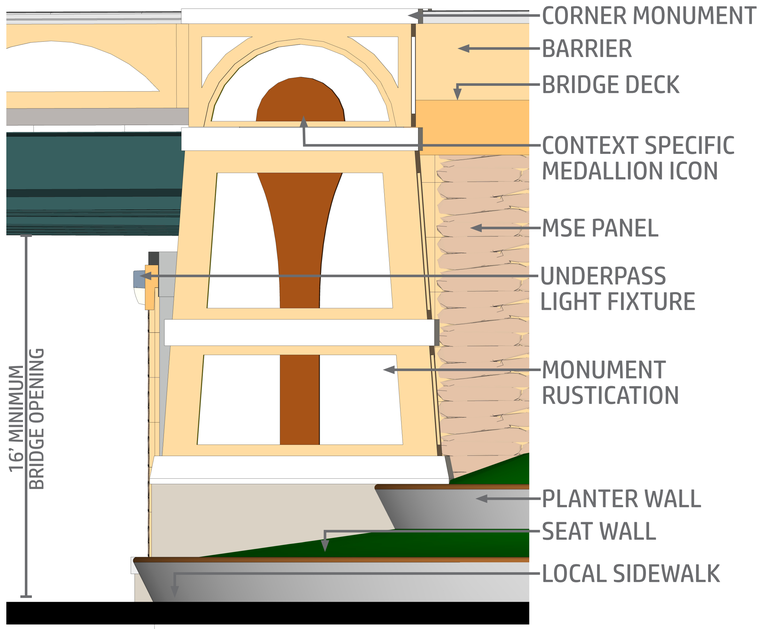
- Construct upright abutment walls, rather than the existing sloped abutment walls, to gain pedestrian access space below the bridges and minimize sediment deposit.
- Provide a location for the installation of art and decorative lighting, acting as an outdoor gallery.
- Incorporate textured materials to suggest a strong, natural and long-lasting foundation necessary to support the architectural and constructed structures above (bridges and noise barriers).
- Provide textural variation in materials to vary the scale and detail to be visible and discernible at both driver and pedestrian levels.



NORTH SPLIT UPGRADES DRIVING PROGRESS

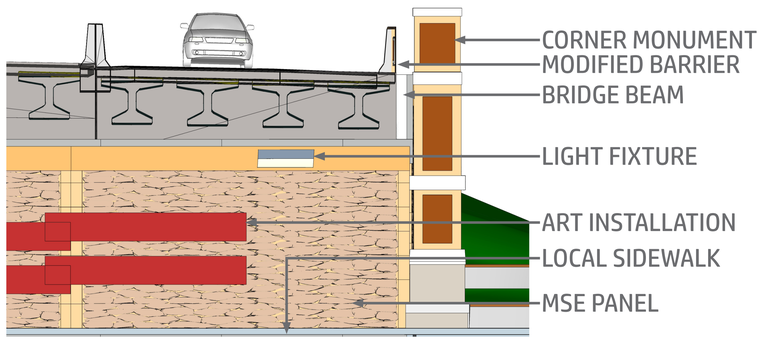
CLASSIC DESIGN THEME

CORNER MONUMENT



FRONT VIEW

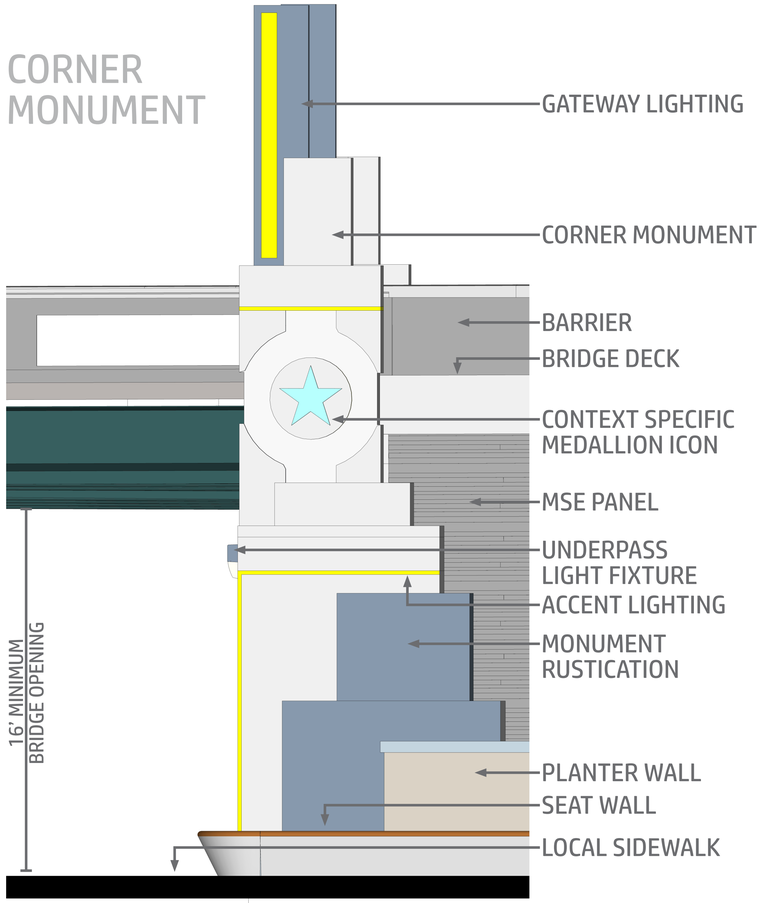
ABUTMENT WALL



FRONT VIEW

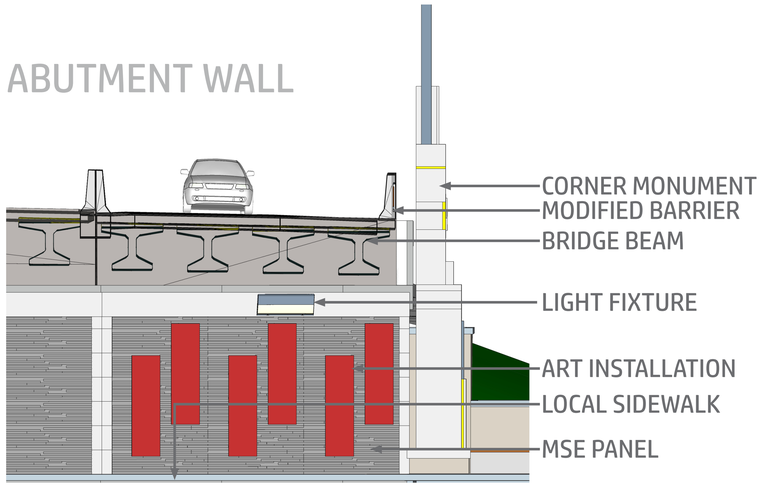
CIVIC DESIGN THEME

CORNER MONUMENT



FRONT VIEW

ABUTMENT WALL



FRONT VIEW

PROJECT ELEMENTS

DESIGN COMPONENT

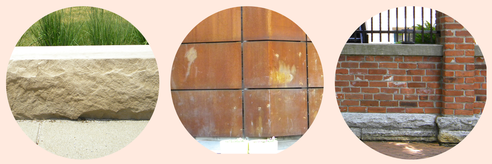
RETAINING WALLS

Design Summary:

Retaining walls help to stabilize steep grades by creating sloped and/or tiered terrain, that can provide space for enhanced plantings and expanded pedestrian systems.

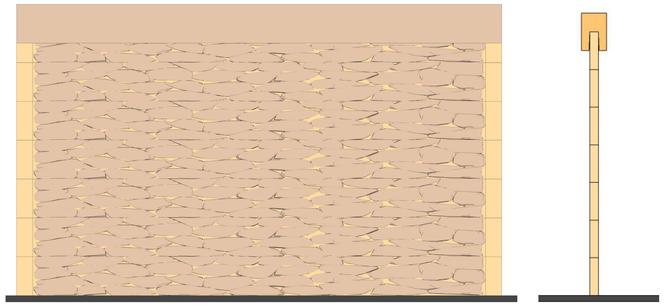
Characteristics:

- Provide a location for the placement of vegetation to assist in stabilization, and help soften and blend the bridge structures with the surround in a naturalized fashion.
- Design with textured materials to suggest a strong, natural and long-lasting foundation system- a necessary support for the more architectural, constructed structures above (bridges and noise barriers).
- Design with textural variation in materials to provide a level of scale and detail that is visible and discernible at both driver and pedestrian levels.

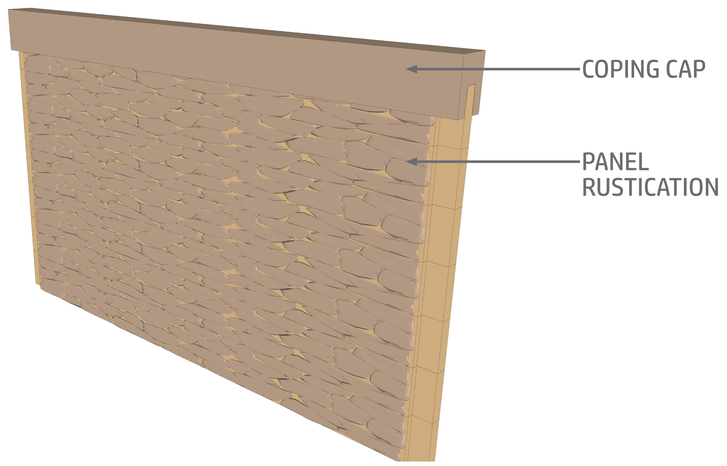


NORTH SPLIT UPGRADES DRIVING PROGRESS

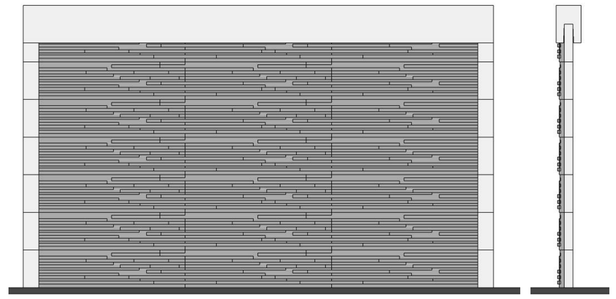
CLASSIC DESIGN THEME



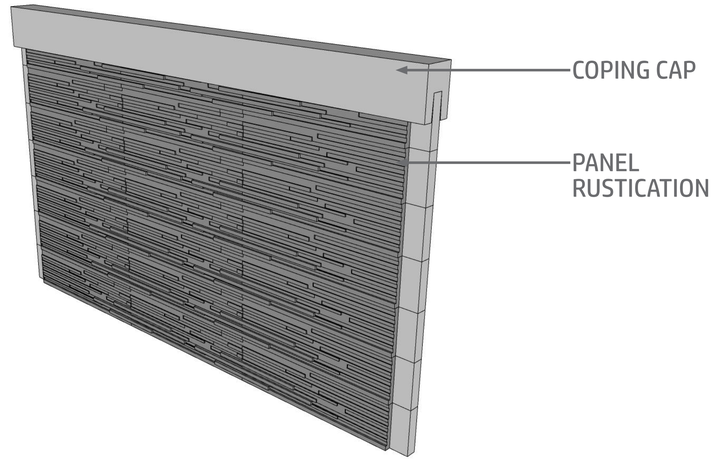
FRONT VIEW SIDE VIEW



CIVIC DESIGN THEME



FRONT VIEW SIDE VIEW



NATURAL TEXTURE PATTERNS

ASHLAR PATTERN

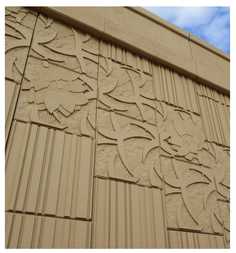
RANDOM PATTERN

RUNNING BOND PATTERN

GEOMETRIC TEXTURE PATTERNS

TEXTURE PATTERN

RANDOM RIB PATTERN



CUSTOM PATTERN