

Enhancement Project Area



I-70/63 Interchange Enhancements
Columbia, Missouri

May 17, 2023



MoDOT Preferred Alternative A



Improvements at the Connector and I-70 pavement improvements east of Stadium to the Connector are included in the STIP

Provides:

- NB US63 to WB I-70 & EB I-70 to SB US 63 flyover ramps
- Single Point Urban Interchange (SPUI)
- Improvements at Clark Lane & US 63
- SPUI interchange reduces crashes by 6%
- Cost shown include mainline I-70 widening



<https://www.modot.org/improvei70Columbia>

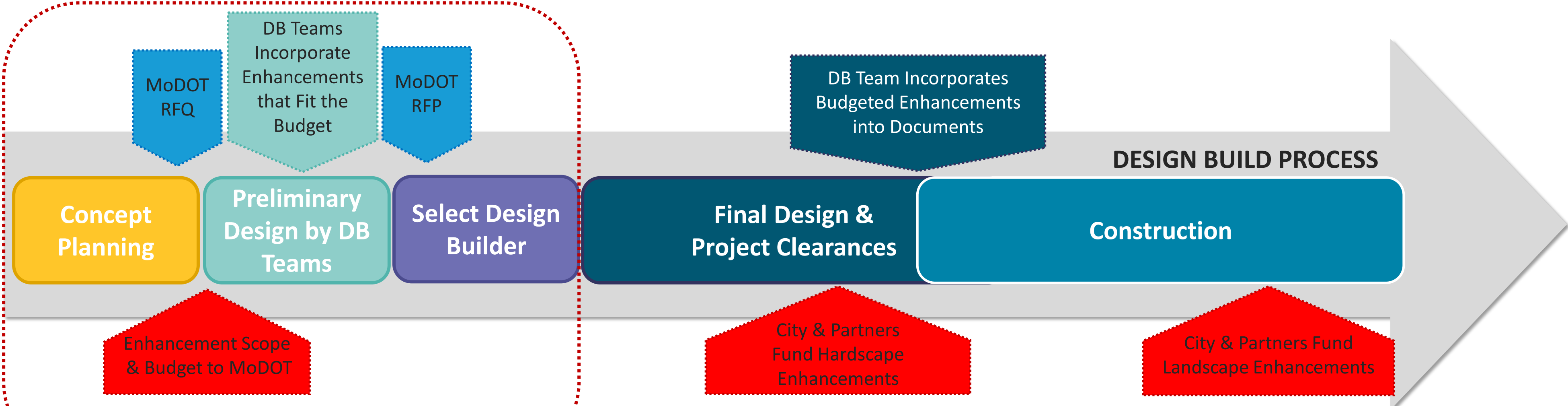
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Design Build Process Determines the Final Enhancement Scope

A Single Point Urban Interchange (SPUI) is the preferred Alternative. However, the Design Build (DB) Teams will study other interchange types to optimize the operations, constructability, and cost of the project. The enhancement components need to be designed to adapt to other interchange designs.



Design-Build Procurement Process

- May 2023: Request for Qualifications (RFQ)
- June/July 2023: Statement of Qualifications Short List
- June/July 2023: Enhancement package to MoDOT**
- August 2023: Request for Proposal (RFP)
- February 2024: Select Design Builder

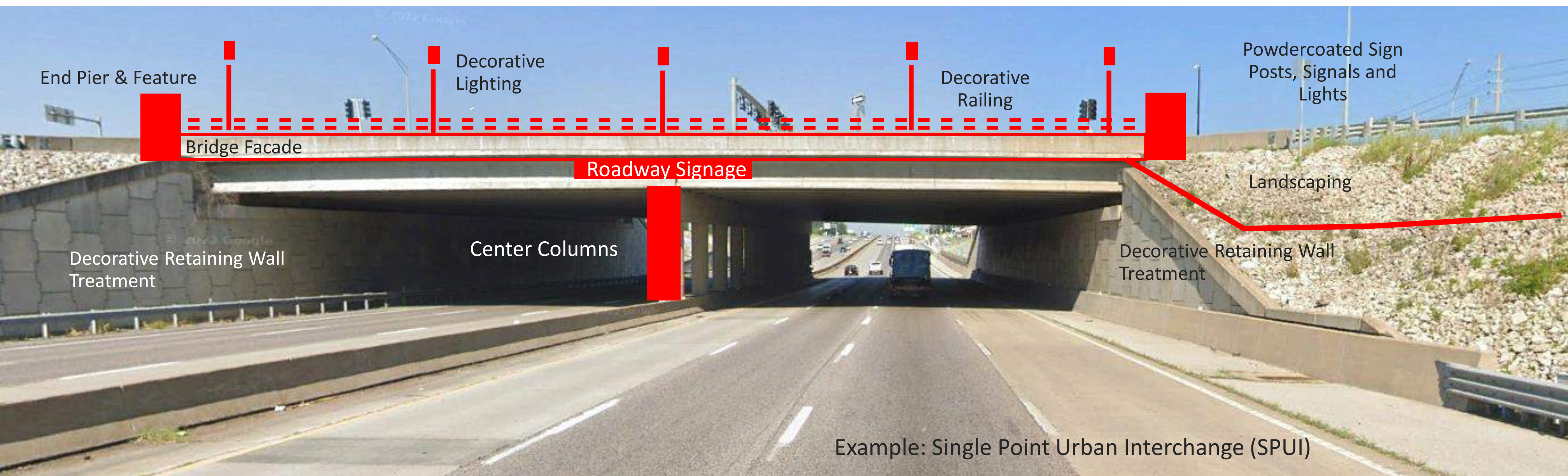
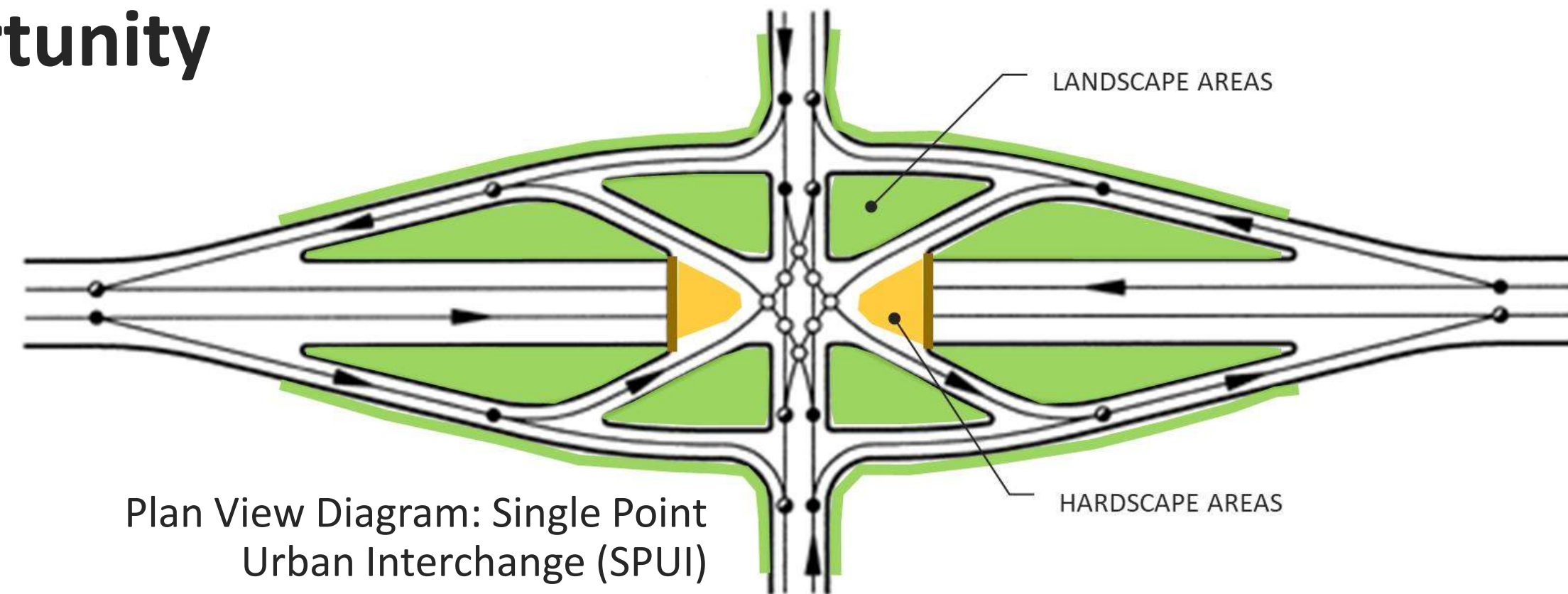
Why Design Build?

The Missouri Highways and Transportation Commission (MHTC) approved design-build for the funded portions of this corridor. The design-build process leverages private sector innovation to build on existing conceptual designs through a competitive process. MoDOT is pursuing a design-build approach for this project to take advantage of a faster construction timeline and reduced project costs, promote innovation, and improve quality of the overall project.

<https://www.fhwa.dot.gov/reports/designbuild/designbuild.htm>

MoDOT Standard Interchange Locations of Enhancement Opportunity

A Single Point Urban Interchange (SPUI) is the preferred Alternative. These graphics illustrate what a MoDOT SPUI might look like and where enhancements can be located.



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Columbia Material Precedents

The architecture of the city and its higher education campuses are design references for the interchange bridge. They include the following materials:

- Traditional and contemporary architecture
- Buff limestone in ashlar pattern or cut panels
- Buff or white architectural precast
- Red, rust, or rose brick with white or light accents
- Black, bronze or dark accents



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Hardscape Enhancement Components

DESIGN CONCEPT: enduring materials and forms of traditional bridge architecture with customized components that reflect the community.



Formliner Retaining Wall



End Pier & Light Box Feature with Customized Back-lit Metal Panel



Roadway Signage



Traditional Fence Option



Traditional Light Option



Formliner Façade Panel



Large Dish Planter



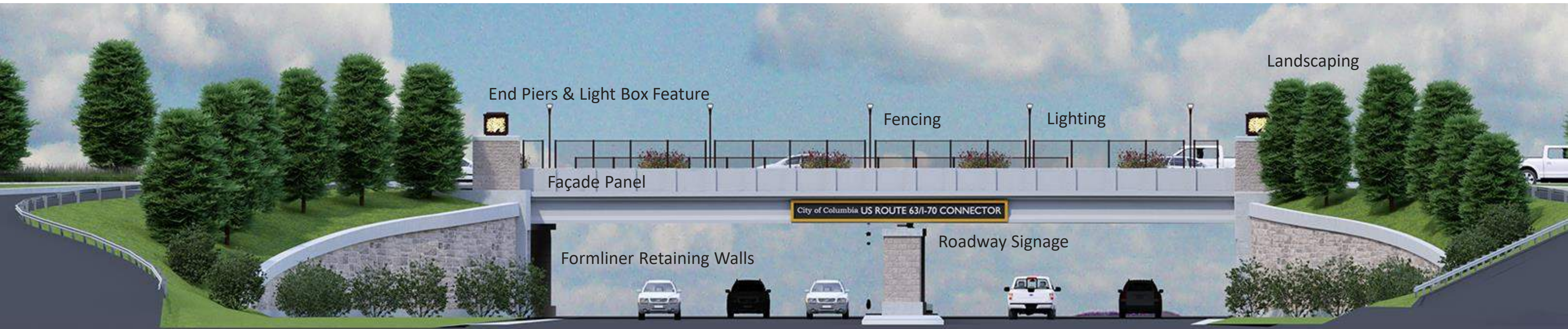
Contemporary Fence Option



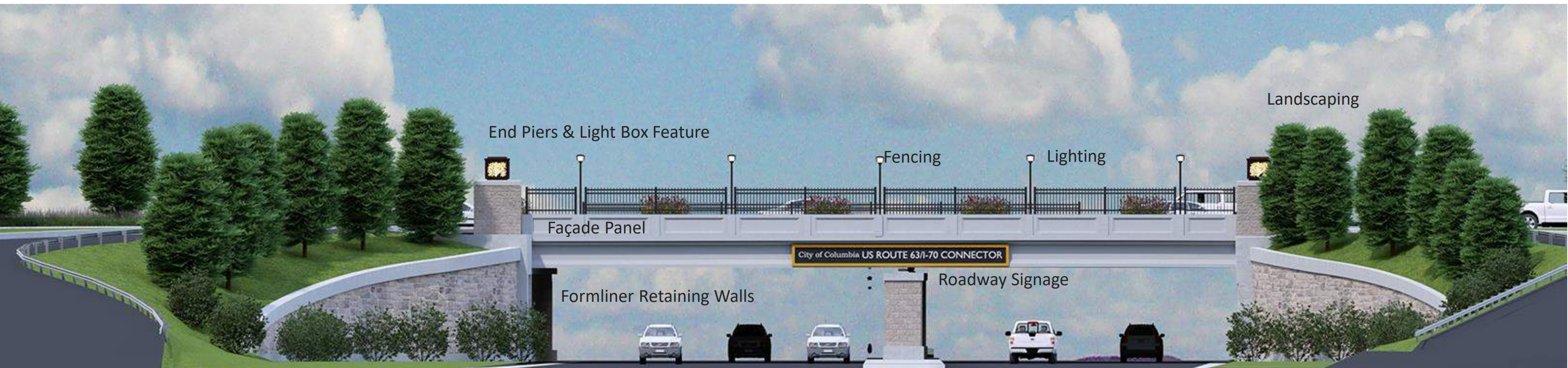
Contemporary Light Option



Decorative Pavers



Contemporary Option



Traditional Option

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Contemporary Option



Traditional Option

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Contemporary Option



Traditional Option

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Landscape Enhancement Components

DESIGN CONCEPT: mass plantings of hardy trees, native grasses and forbs complemented by flowering trees and plantings in large dish planters.



Bald Cypress Grove



Native Plantings



Flowering Trees



Large Dish Planters