





# UDC INFORMAL MEETING

UPC 104888 Mayo's Bridge Superstructure Replacement



Will Wheeler



02/09/2023



# General Information

**City:** City of Richmond

**Residency:** Ashland

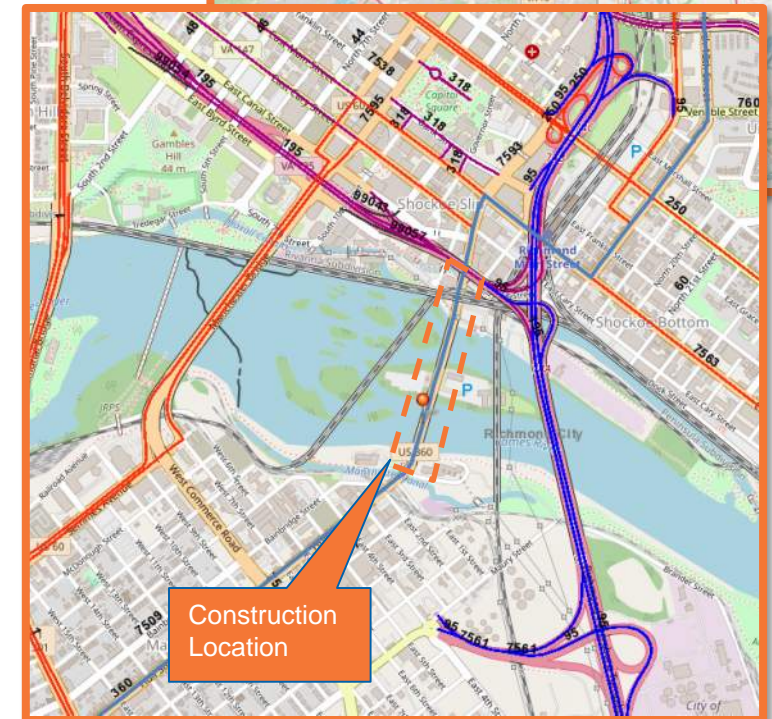
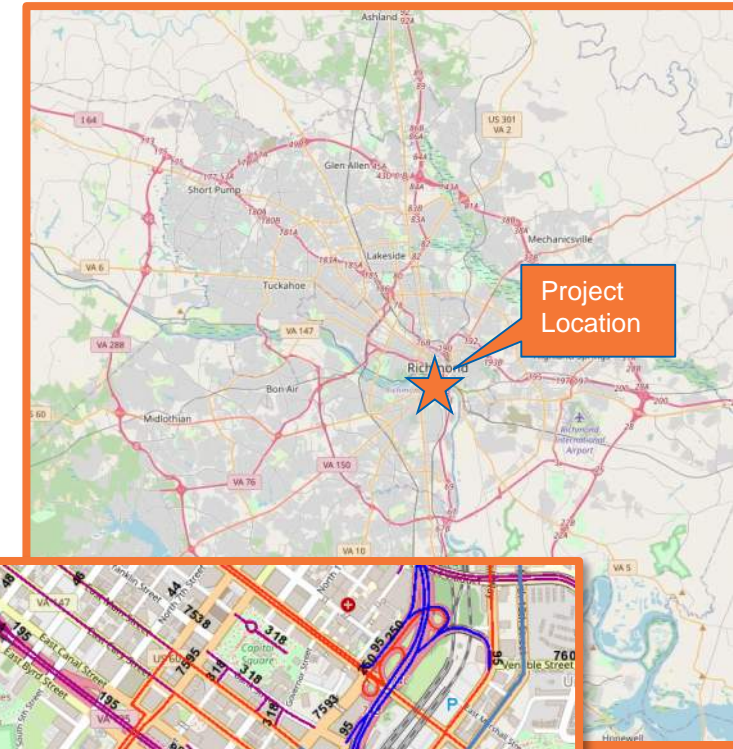
**UPC:** 104888

**State Project Number:** U000-127-860

**Tier:** 2

**Functional Class:** Other Principal Arterial

**Funding:** RSTP, SGR, Formula Bridge, HIP Earmarks, Safetae-Lu Earmarks, CVTA Regional



# Project Summary

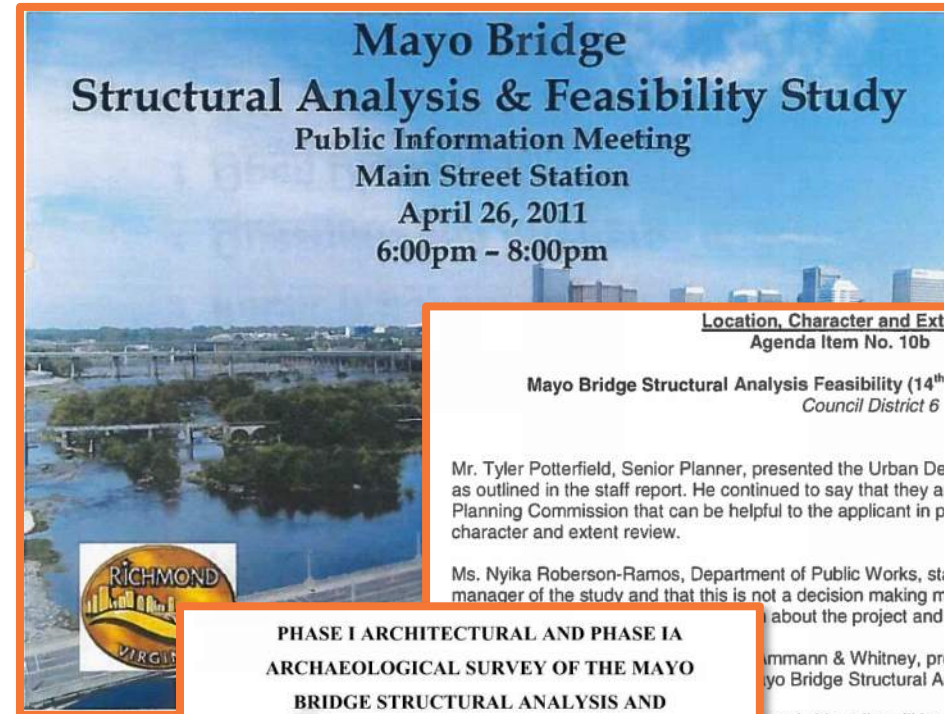
- **Mayo's Bridge replacement over James River**
  - This project includes re-constructing the deck and approaches; replacing pier caps, repairing piers and abutments and replacing parapets and light poles
- **Completed Step(s)**
  - City-State Agreement
- **Next Step(s)**
  - Citizen Information Meeting





# Project History with City

- 2010: Bridge Inspections and Material Testing
- 2011: Phase 1 and 2 Bridge Study
- 2011: Public Information Meeting
- 2011: Planning Commission Submission
- 2015: Cultural Resources Study



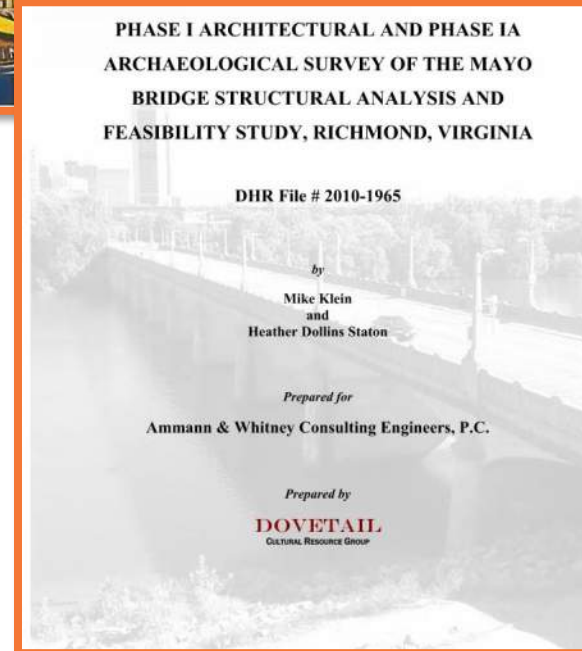
**Location, Character and Extent:**  
Agenda Item No. 10b

**Mayo Bridge Structural Analysis Feasibility (14<sup>th</sup> Street from 2<sup>nd</sup> Street to Dock)  
Council District 6**

Mr. Tyler Potterfield, Senior Planner, presented the Urban Design Committee's recommendation as outlined in the staff report. He continued to say that they are looking for input from the Planning Commission that can be helpful to the applicant in preparing for any future location, character and extent review.

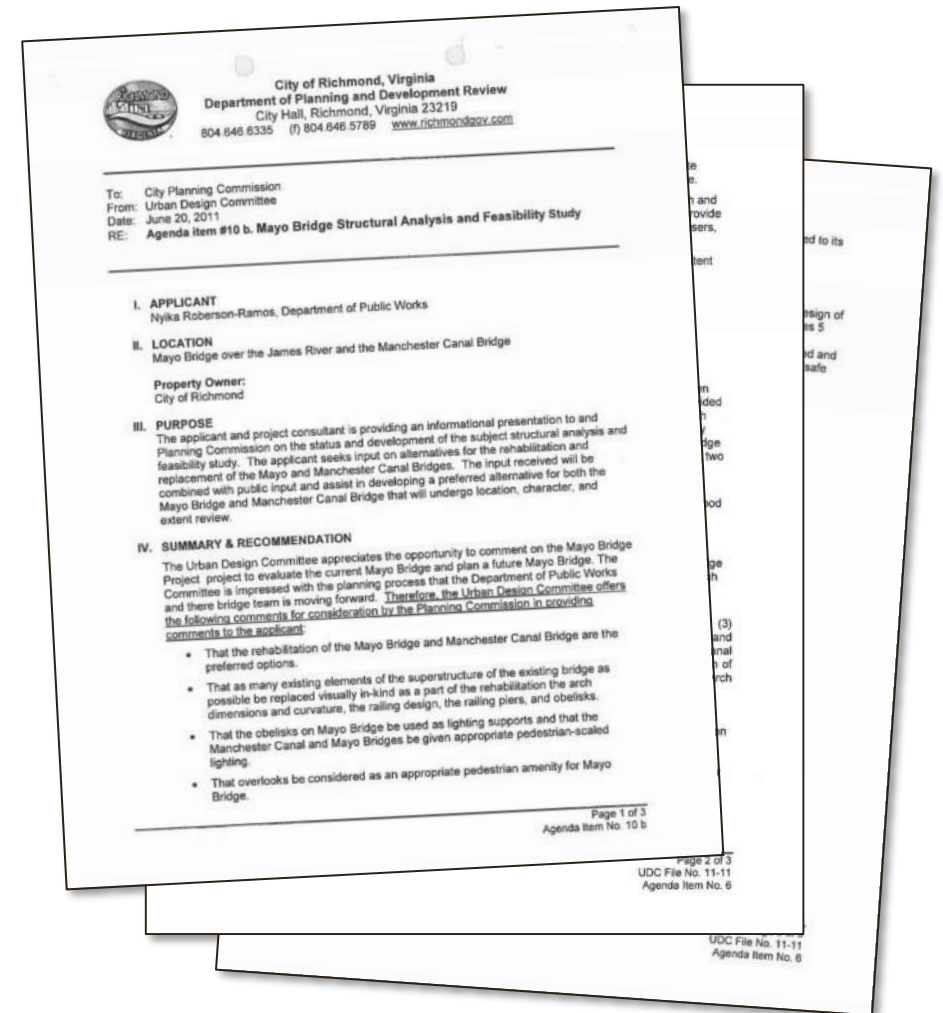
Ms. Nyika Roberson-Ramos, Department of Public Works, stated that she is the project manager of the study and that this is not a decision making meeting, rather they are here to discuss the project and to gather feedback.

Ammann & Whitney, presented the Commission members with the Mayo Bridge Structural Analysis Feasibility Study. The proposed sidewalks will be 6 feet wide. The sidewalks are currently 6 ½ feet in width. It would it have to be built higher than the current bridge. The existing ground level would be able to be maintained. There's a flood, which is the controlling flood for this road type.



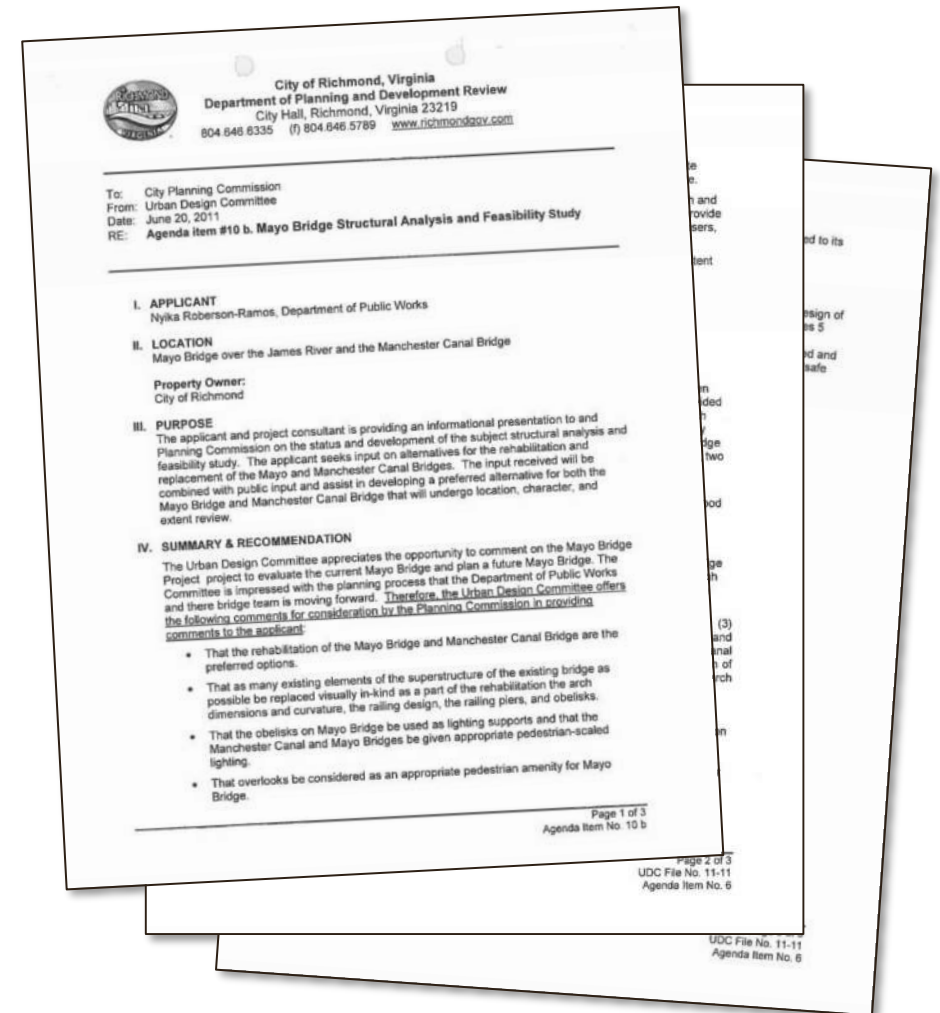
# 2011 UDC Recommendations

- Rehabilitation of the Mayo's Bridge is the preferred option
- As many of the existing elements of the superstructure of the existing bridge be replaced visually in-kind
  - Railing Design
  - Railing Piers
  - Obelisks
- Obelisks to be used for lighting supports



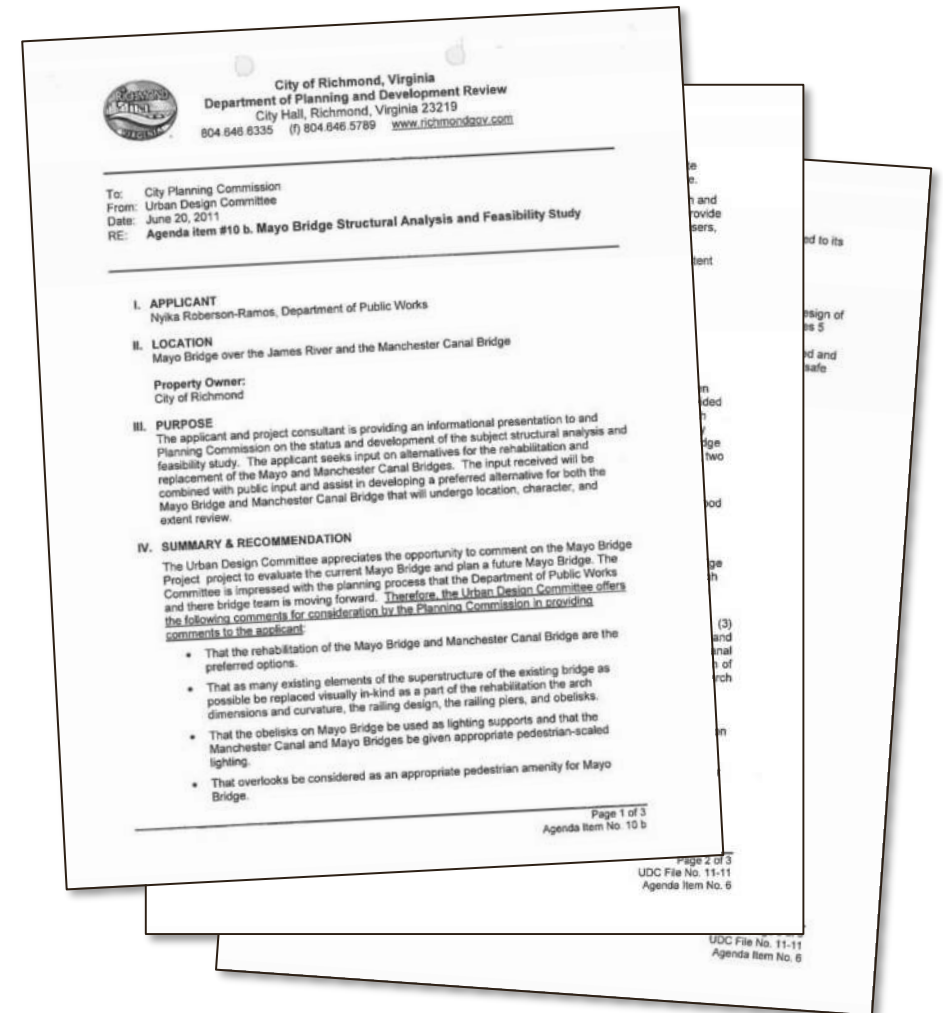
# 2011 UDC Recommendations (Cont'd)

- Pedestrian scaled lighting to be provided
- Overlooks to be considered an appropriate pedestrian amenity
- Color of the bridges mirror the “warm” color of the original concrete
- Bridges to be treated as a multi-modal connection



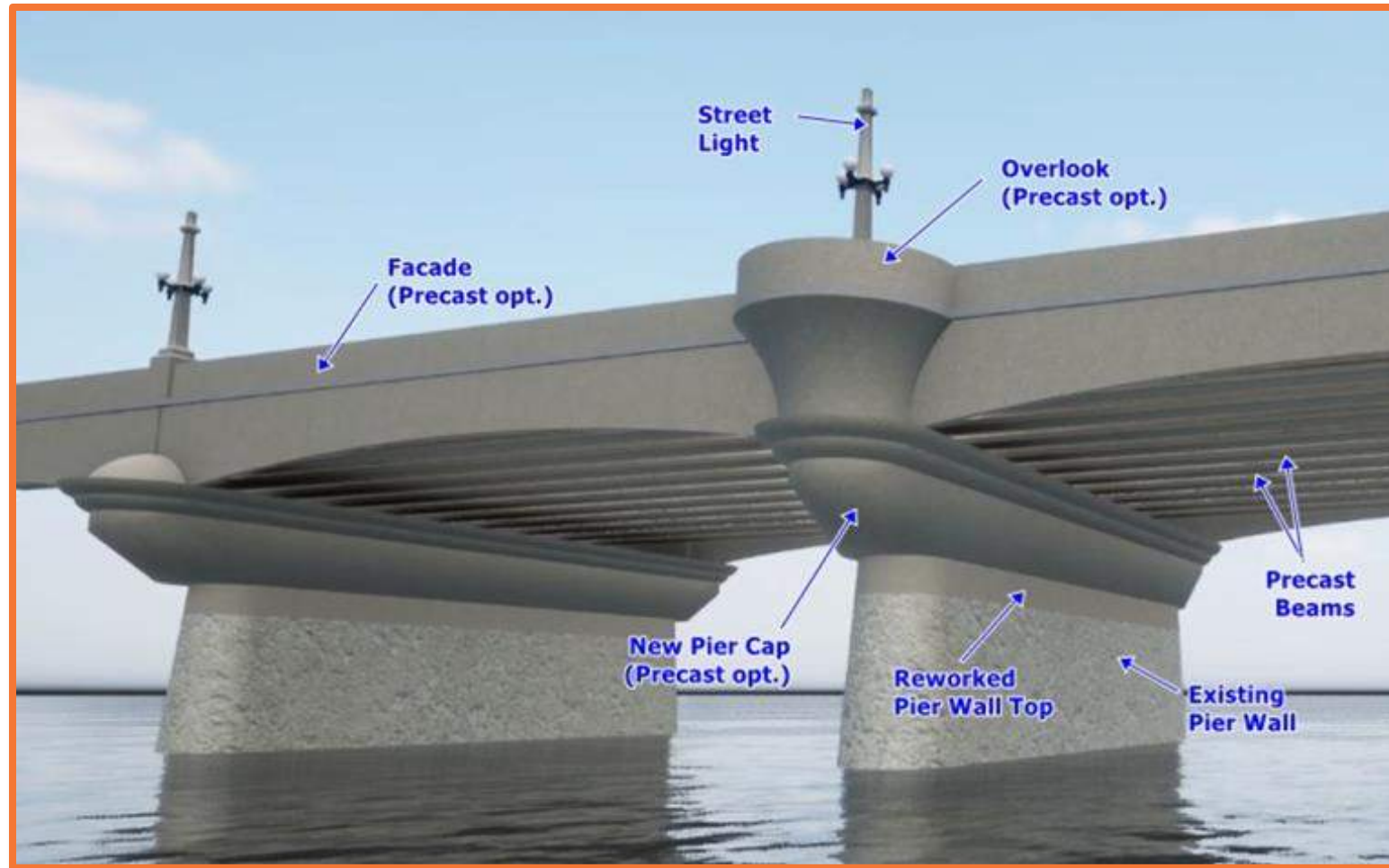
# 2011 UDC Recommendations (Cont'd)

“A rehabilitation design that addressed these recommendations would be consistent with the Downtown Master Plan and Urban Design Guidelines”



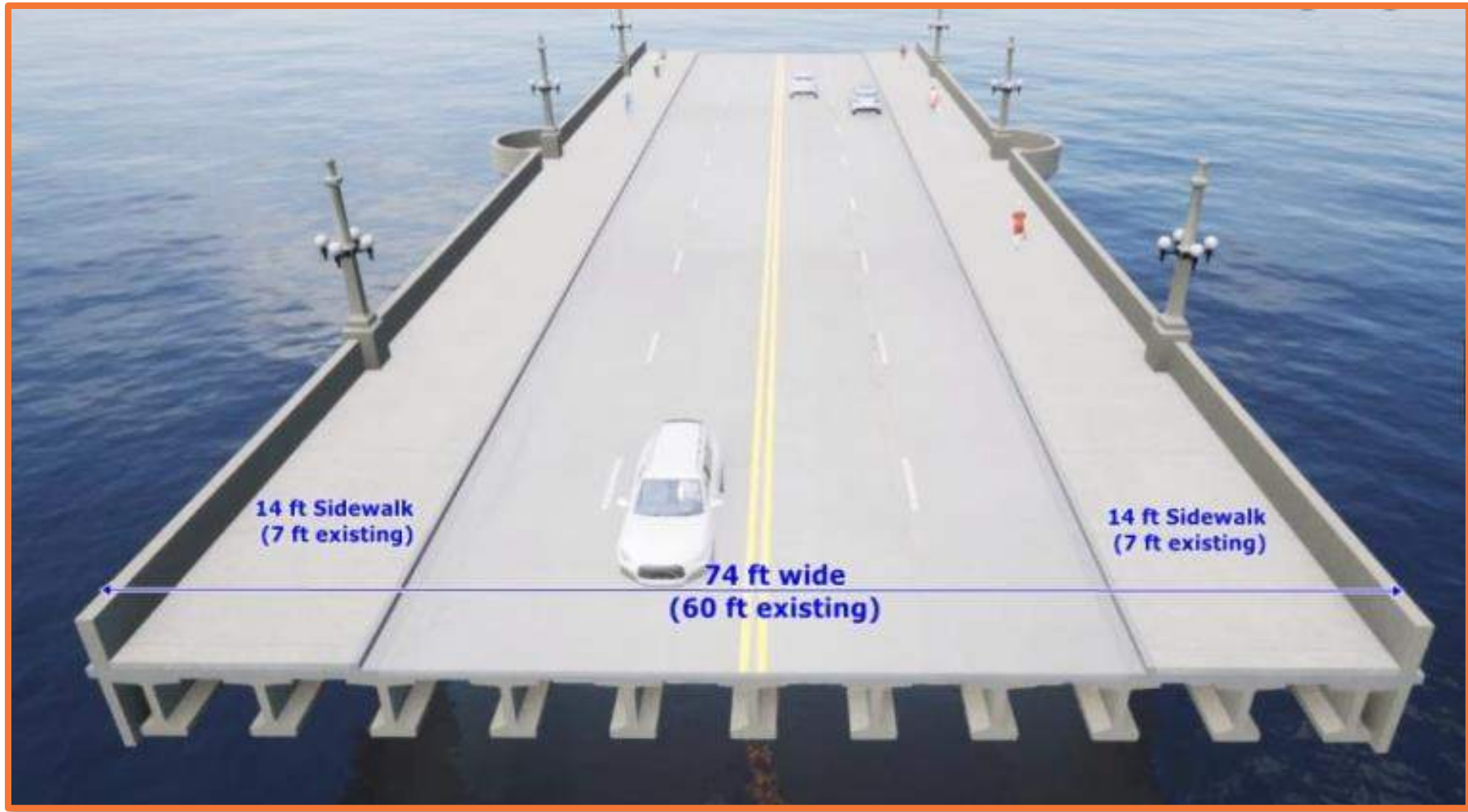


# Option Explored by the City



\*Note: This rendering is not considered a commitment by VDOT until validated by structural analysis and budget estimate

# Option Explored by the City (Continued)



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# Option Explored by the City (Continued)

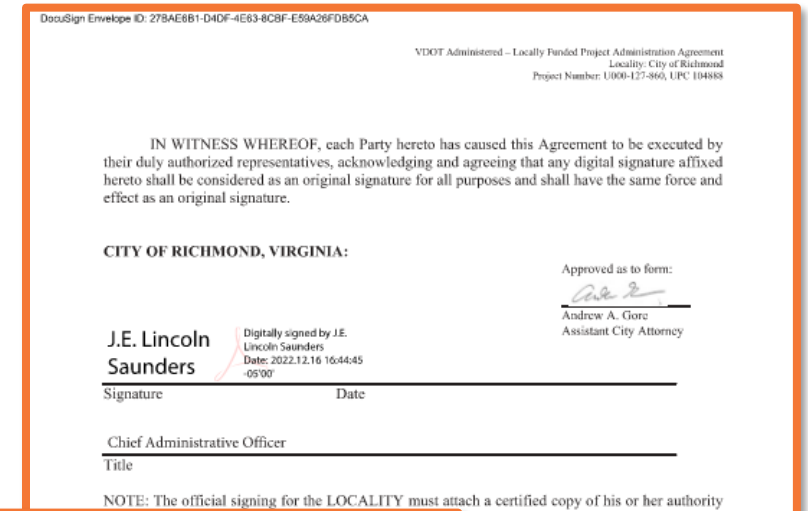


**\*Note: This rendering is not considered a commitment by VDOT until validated by structural analysis and budget estimate**



# VDOT Involvement

- **2021/2022 Funding**
  - \$90M funding
  - Superstructure Replacement
- **2022 City-State Agreement changed to VDOT Administered**
  - Fully executed January 17, 2023

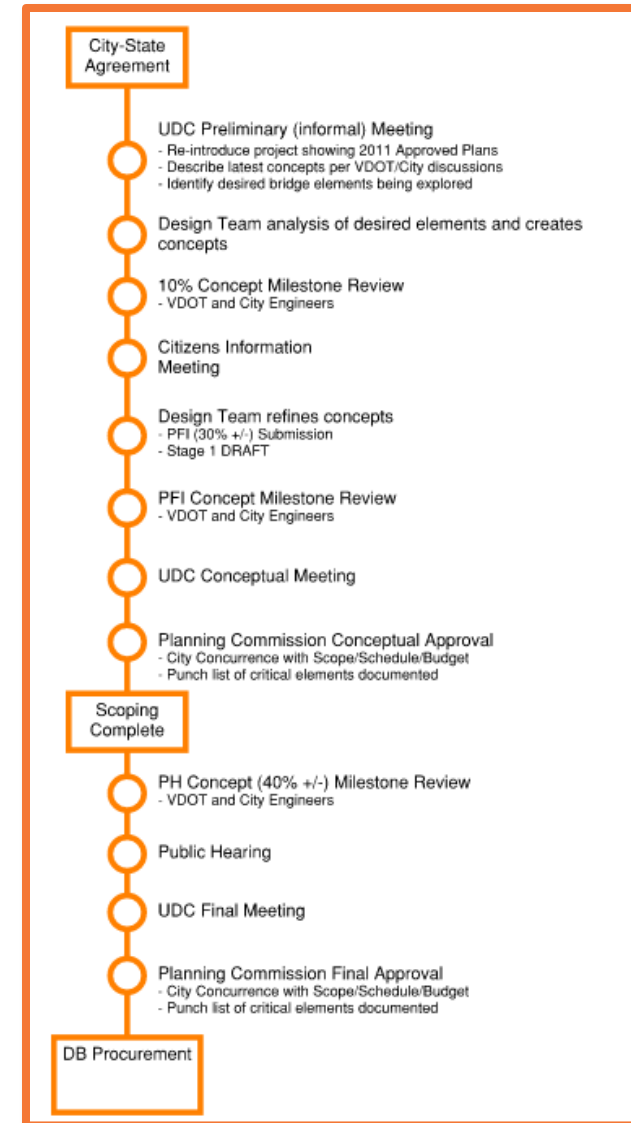


MAP21 RSTP: RSTP : Richmond (CF2M20)	CF2M20 3120201
Bridge Program: Bridge Formula Allocation-Federal (CFB700)	CFB700 3022700
Bridge Program: Bridge Formula Allocation-Soft Match (CFB701)	CFB701 3022701
Earmarks: HIP-Community Project Grants - Federal VA284 (CFG800)	CFG800 6284800
.SAFETEA-LU Earmarks: HPP-R - Urban (CNF240)	CNF240 6030740
MAP21 RSTP: RSTP Match : Richmond (CS2M21)	CS2M21 3020211
Locally Administered Funded: State Match Qrtly Paymt - Urban (NPL730)	NPL730 9030730
Accounts Receivable: CVTA AR Funds (NPRR22)	NPRR22 9934222
HB1887 - SGR: SGR Bridge Federal NHPP (SFB110)	SFB110 5021107
HB1887 - SGR: SGR Bridge Soft Match NHPP (SFB111)	SFB111 5021117
HB1887 - SGR: SGR - State (SS0100)	SS0100 5001007

...OF TRANSPORTATION:  
  
1/17/2023  
...of Transportation

# Next Steps

- **Additional structural analysis**
- **Explore feasibility of recommended bridge features**
  - **Structural, then Budgetary Analysis**
    - Architectural Style
    - Lighting
    - Pedestrian/Cyclists Accommodations (wider sidewalks)
    - Overlooks
- **Public Outreach**
- **Finalize Concept**
- **UDC/Planning Commission Conceptual Approval**





# QUESTIONS?

