





#### **UDC INFORMAL MEETING**

UPC 104888 Mayo's Bridge Superstructure Replacement



Will Wheeler



02/09/2023



**General Information** 

City: City of Richmond

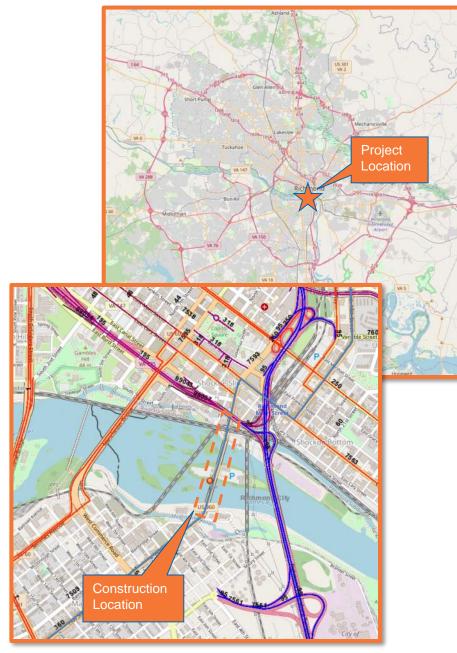
**Residency: Ashland** 

**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**

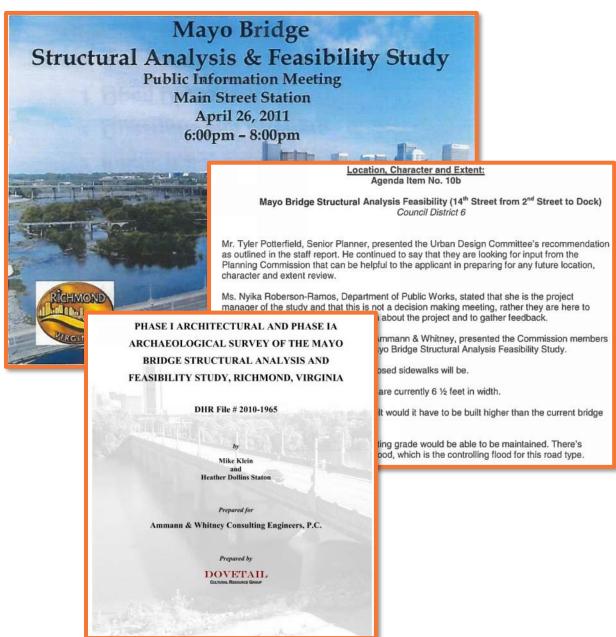
- Mayo's Bridge replacement
   over James River
  - This project includes reconstructing the deck and approaches; replacing pier caps, repairing piers and abutments and replacing parapets and light poles
- Completed Step(s)
  - City-State Agreement
- Next Step(s)
  - Citizen Information Meeting





# **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



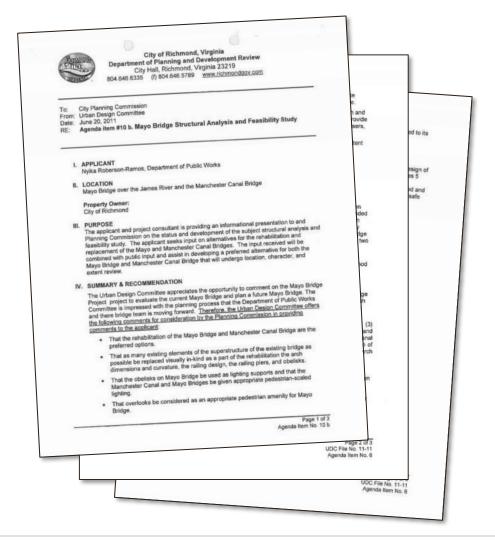


## **2011 UDC Recommendations**

- 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

VDD1

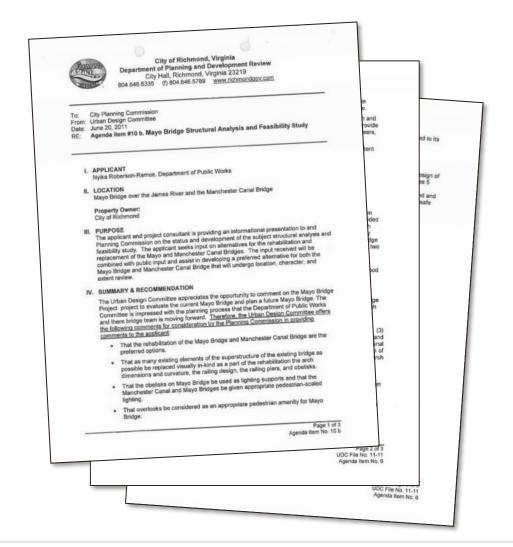
 Obelisks to be used for lighting supports





# 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







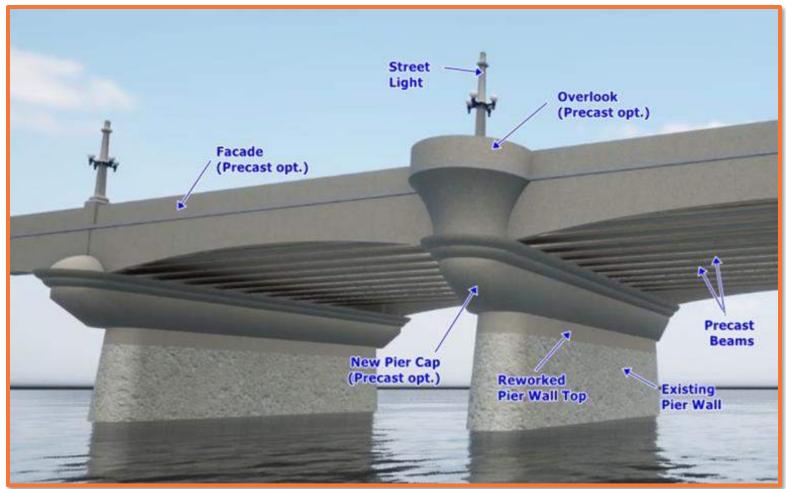
### 2011 UDC Recommendations (Cont'd)

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

City of Richmond, Virginia Department of Planning and Development Review City Hall, Richmond, Virginia 23219 804 846 6335 (f) 804 646 5789 www.richmondsov.com		
To: City Planning Commission From: Urban Design Committee Data: June 20, 2011 RE: Agenda item #10 b. Mayo Bridge Structural Analysis and Feasibility Study	e. h and rovide isers, tent	ed to its
I. APPLICANT Nyika Roberson-Ramos, Department of Public Works		ssign of Is S
II. LOCATION Mayo Bridge over the James River and the Manchester Canal Bridge Property Owner: City of Richmond	m ided	id and safe
III. PURPOSE The applicant and project consultant is providing an informational presentation to and Pianning Commission on the status and development of the subject structural analysis and feasibility study. The applicant seeks input on alternatives for the reabilitation and replacement of the Mayo and Manchester Canal Bridges. The input received will be combined with public input and assist in developing a preferred alternative for the rest Mayo Bridge and Manchester Canal Bridge that will undergo tocation, character, and existing and Manchester Canal Bridge that will undergo tocation, character, and existing and Manchester Canal Bridge that will undergo tocation.	ige two	
IV. SUMMARY & RECOMMENDATION The Urban Design Committee appreciates the opportunity to comment on the Mayo Bridge Project project to evaluate the current Mayo Bridge and plan a future Mayo Bridge. The Committee is impressed with the planning process that the Department of Public Works and there bridge team is moving forward. <u>Therefore, the Urban Design Committee offers</u> and there bridge team is moving forward. <u>Therefore, the Urban Design Committee offers</u> the following comments for consideration by the Planning Commission in providing.	ge h	
<ul> <li>That the rehabilitation of the Mayo Bridge and Manchester Canal Bridge are the</li> </ul>	and inal n of	
<ul> <li>That as many existing elements of the superstructure of the enhancement possible be replaced visually in-kind as a part of the rehabilitation the arch possible be replaced visually in-kind as a part of the realing piers, and obelisks.</li> </ul>	rch	
<ul> <li>dimensions and curvature, the hame be used as lighting supports and that the</li> <li>That the obelisks on Mayo Bridge be used as lighting supports and that the Manchester Canal and Mayo Bridges be given appropriate pedestrian-scaled lighting.</li> <li>That overlooks be considered as an appropriate pedestrian amenity for Mayo</li> </ul>	n	
Bridge. Page 1 of 3 Agenda Item No. 10 b		
	Page 2 of 3 DC File No. 11-11 genda Item No. 6	
	UDC File No Agenda Iter	0. 11-11



### **Option Explored by the City**

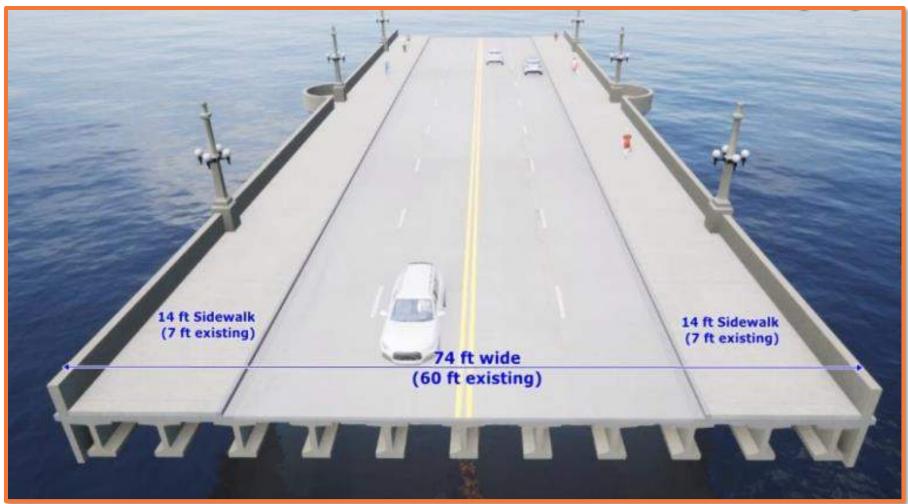


\*Note: This rendering is not considered a commitment by VDOT until validated by structural analysis and budget estimate





#### **Option Explored by the City (Continued)**



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



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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



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# **VDOT Involvement**

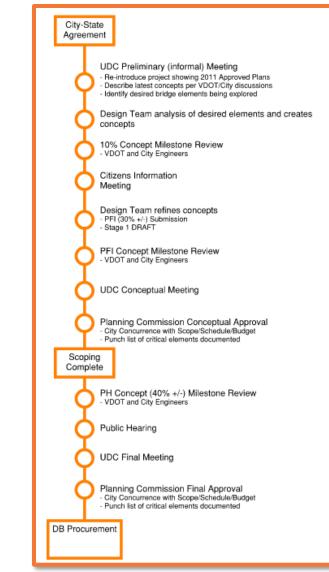
- 2021/2022 Funding ٠
  - \$90M funding
  - **Superstructure Replacement**
- **2022 City-State Agreement** changed to VDOT **Administered** 
  - Fully executed January 17, 2023

	DocuSign Envelope ID: 278AE6B1-D4DF-4	E63-8C8F-E59A26FDB5CA			
	VDOT Administered – Locally Funded Project Administration Agreement Locality: City of Richmond Project Number: U000-127-860, UPC 104888				
	IN WITNESS WHEREOF, each Party hereto has caused this Agreement to be executed by their duly authorized representatives, acknowledging and agreeing that any digital signature affixed hereto shall be considered as an original signature for all purposes and shall have the same force and effect as an original signature.				
	CITY OF RICHMO	ND, VIRGINIA:			
			Approved as to form:		
				Andrew A. Gore	
	J.E. Lincoln Saunders	Date: 2022.12.16 16:44:45		Assistant City Attorney	
	Signature	-05'00' Date			
	Chief Administrative Title	Officer			
	ach a certified copy of his or her authority				
MAP21 RSTP: RSTP : Richmond (CF2M20)			CF2M20 3120201		
Bridge Program: Bridge Formula Allocation-Federal (CFB700)			CFB700	T OF TRANSPORTATION:	
		0)	3022700	or manuformation.	
Bridge Program: Bridge Formula Allocation-Soft Match (CFB701)		B701)	CFB701		
		5/01)	3022701		
Earmarks: HIP-Community Project Grants - Federal VA284 (CFG800)			CFG800	1/17/2023	
			6284800		
.SAFETEA-LU Earmarks: HPP-R - Urban (CNF240) MAP21 RSTP: RSTP Match : Richmond (CS2M21)			CNF240 6030740	of Transportation	
			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		
horeer - sold bluger edelarmin ( (si bire)			5021107		
HB1887 - SGR: SGR Bridge Soft Match NHPP (SFB111)			SFB111		
- · ·			5021117 SS0100		
HB1887 - SGR: SGR - State (SS0100)			5001007		



## **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?**





