CITY OF CHARLOTTESVILLE, VIRGINIA CITY COUNCIL AGENDA



Agenda Date: May 17, 2021

Action Required: Approval of Appropriation (1st of 2 Readings)

Presenter: Jeanette Janiczek, UCI Program Manager

Staff Contacts: David Brown, Public Works Director

Tony Edwards, Public Works Development Services Manager

Jack Dawson, City Engineer

Jeanette Janiczek, UCI Program Manager

Title: Belmont Bridge Replacement Project – Appropriation of \$4,280,739

Background: On May 16, 2005, the City entered into an agreement with the Virginia Department of Transportation (VDOT) to participate in the Urban Construction Initiative ("First Cities") Program (UCI). Through this program, the City is responsible for administering its urban system construction program – design, right-of-way acquisition, utility relocation, and construction. The Belmont Bridge Replacement project is one such project being administered under this program.

A public participation plan was developed to create a conceptual plan for the project and included a Steering Committee, Open House, Mobility Summit, Design Charette, several surveys and small stakeholder group meetings. Based on this culminated plan, a Design Public Hearing was held on May 24, 2018 and the Design Concept accepted by City Council on July 16, 2018. The Board of Architectural Review granted a Certificate of Appropriateness on August 20, 2019. VDOT and the Federal Highway Administration (FHWA) reviewed the plans, and an Authorization to Advertise the Invitation of Bid (IFB) was issued on January 15, 2021.

A non-mandatory Pre-Bid Meeting was held on February 2, 2021. A Bid Opening was held on March 16, 2021 and six (6) bids were received. A preliminary evaluation by staff and its consultant has been performed to determine a responsive, apparent low bid and to identify any errors prior to submittal to the VDOT. Based on this preliminary evaluation, all submitted bids were over the Engineer's estimate. It has been determined that the higher bid results are reflective of the increases in material costs, labor costs, and the abundance of work with limited availability of contractors. An official bid tabulation has not been released as the evaluation process is still underway and options are being assessed; therefor, the results have not been released at this time.

In review of the overall project budget, there are enough remaining funds to cover a construction contract. However, additional funds are needed to cover project expenditures such as construction engineering inspection services, as well as to maintain an appropriate contingency fund. It is estimated that an additional \$4,280,739 will be needed to complete the project at a total cost of \$35,380,782.

Discussion: Based on current project funding level, the City has two options:

- 1) Increase the project budget
- 2) Reject all bids, rescope the project in removing items and/or conditions of the IFB, and rebid the project

Option 1

As noted above, it is estimated that an additional \$4,280,739 in funding will be needed to complete the project. Though the current budget is sufficient to cover the construction costs, the additional funds are needed to cover other project related expenditures such as construction engineering inspection services and to fund the project contingency at an appropriate level.

The City has been working with the VDOT to identify additional, available funding to address following the March 16th bid opening. The VDOT has identified \$4,280,739 in state funds from the State of Good Repair (SGR) Local Bridge funding to address the additional funding needs to construct the bridge project. This will permit the project to move forward without incurring delay or rescoping and redesign of the project. No additional local funding will be needed.

Option 2

As part of the preliminary bid evaluation and analysis, the following items were identified as part of the contributing to the reason for the project cost increase: MSE Wall, Lighting (poles + luminaries), Precast Girders, Steel Girders, Bridge Demolition and Temporary Shoring. These items either cannot be removed or their elimination/reduction would directly impact the concept plan accepted by the City, as well as would not resolve the bid overages.

In a preliminary assessment of the rescoping the project, various details and operational changes were considered, such as removing the "knuckle", eliminating the pedestrian plaza, removing the new pedestrian underpass, allowing complete closure of the bridge during construction. These could potentially reduce the overall project construction cost. However, rescoping and re-bidding the project would require additional public participation to communicate these changes. This would also require more coordination with the VDOT & the FHWA to obtain re-design approval.

Rescoping of the project will require redesign, which will result in additional costs to the project. Re-bidding would most likely result in higher bids due to the delay for redesign and obtaining reauthorization, as well as it is anticipated the factors associated with the current bids results will continue to escalate. For these reasons, staff is not recommending re-advertising the current or a revised IFB.

Alignment with City Council's Vision Areas and Strategic Plan: Approval of this agenda item upholds the City's commitment to create "a connected community" by improving upon our existing transportation infrastructure. In addition, it would contribute to Goal 2 of the Strategic Plan, Be a safe, equitable, thriving, and beautiful community; Objectives 2.3. Provide reliable and high quality infrastructure and 2.6. Engage in robust and context sensitive urban planning.

Community Engagement: There has been significant engagement throughout project planning process through a Steering Committee, project specific public meetings, coordination with City boards/commissions and public surveys. a Design Public Hearing was held on May 24, 2018 and the Design Concept accepted by City Council on July 16, 2018. The Board of Architectural Review granted a Certificate of Appropriateness on August 20, 2019. Prior to commencement of construction, a Citizen Information Meeting will be advertised and held in the coming months to discuss maintenance of traffic for both vehicles and pedestrians, construction schedule and sequencing. Progress reports, future traffic notices as well as historical meeting information can be found on www.belmontbridge.org.

Budgetary Impact: On August 17, 2020, Council approved an appropriation in the amount of \$15,263,257.14, which represented the balance of State and Federal Funding that had been awarded by VDOT but not yet appropriated. Additionally, a total of \$7,500,000 in local dollars was committed and appropriated for the project in the FY 21 (\$5M) and FY 22 (\$2.5M) CIP budgets. Currently, the total Belmont Bridge project funding allocation is \$31,100,043 using a combination of federal, state, and local funds. With the additional award of State funds from the SGR Local Bridge funding program, the total funding allocation for the project is now \$35,380,782, and the appropriation will be amended as follows:

	<u>Federal</u>	<u>State</u> (*)	Local	TOTAL
Funding Allocations (as of August 2020) Funding Allocations (revised May 2021)		\$14,870,194 \$19,150,933	\$13,048,615 <u>\$13,048,615</u>	\$31,100,043 \$35,380,782
		\$ 4,280,739		

(*) This amount is increased by the funds to be received through SGR Local Bridge funding.

The increase in state allocation will be reimbursed once expended.

Recommendation: Staff recommends approval of the appropriation.

Alternatives: City Council could reject the bids and direct staff to rescope the project.

Attachments: Belmont Bridge Council Memo and Appropriation from August 17, 2020;

Appendix A

APPROPRIATION Belmont Bridge Replacement Project \$4,280,739

WHEREAS, a total of \$4,280,739 in state funds for the Belmont Bridge Replacement Project requires appropriation; and

NOW, THEREFORE BE IT FURTHER RESOLVED by the Council of the City of Charlottesville, Virginia that the following is hereby appropriated in the following manner:

Revenues

\$4,280,739 Fund: 426 WBS: P-00436 G/L Account: 430080

Expenditures

\$4,280,739 Fund: 426 WBS: P-00436 G/L Account: 599999

BE IT FURTHER RESOLVED by the Council of the City of Charlottesville, Virginia that \$4,280,739 noted above is conditioned upon the receipt of a fully executed Appendix A and receipt of the funds from the Virginia Department of Transportation (VDOT).

CITY OF CHARLOTTESVILLE, VIRGINIA CITY COUNCIL AGENDA



Agenda Date: August 3, 2020

Action Required: Appropriation

Presenter: Jeanette Janiczek, UCI Program Manager

Staff Contacts: Marty Silman, Interim Public Works Director

Tony Edwards, Development Services Manager

Jeanette Janiczek, UCI Program Manager

Title: Belmont Bridge Replacement Project –

Appropriation of \$15,263,257.41

Background: On May 16, 2005, the City entered into an agreement with the Virginia Department of Transportation to participate in the Urban Construction Initiative ("First Cities") Program (UCI). Through this program, the City is responsible for administering its urban system construction program – design, right-of-way acquisition, utility relocation, and construction. In addition, accounting of the UCI program funds must reconcile with the VDOT six-year plan. This appropriation involves the state, federal and local funds necessary to fund the City's projects as outlined in the VDOT six-year plan.

Some state funds have been received upfront from the state based on the previously used urban allocation based on the City's population and size. The remaining state and federal funding, however, must be spent first by the City and is later reimbursed by the Virginia Department of Transportation. Reimbursement requests are submitted to VDOT on a quarterly basis.

<u>Discussion</u>: Preliminary Engineering (PE) is the phase of the roadway project "that includes all project initiation and development activities undertaken after its inclusion in the approved State Transportation Improvement Program through the completion of (construction bid submittal). It may include preliminary Right of Way engineering and investigations necessary to complete the environmental document." Activities include design, plan development, environmental evaluation and public participation process. Right of Way (ROW) is the phase of the roadway project that "includes the work necessary to appraise and acquire project right of way, relocate individuals or businesses, and revise or relocate utilities." Construction is the phase of the roadway project that includes "the management of all construction activities necessary to ensure the completion of a high quality product meeting all contract specifications, and applicable federal, state, and local laws and regulations."

To date, \$2,788,170.59 has been received in reimbursement for this project in the preliminary engineering and right of way phases. This appropriation reconciles and applies the remaining federal and state funding allocations previously awarded to the City. Additional local funding is planned for FY21 and FY22 totaling \$7,500,000 which fully funds this project based on the current engineering estimate.

Funding Allocations

Federal	State	Local	GRAND TOTAL	
3,181,234	14,870,194	13,048,615	31,100,043	

Available Balance & Projected Capital Improvement Project Budget

Federal	State	Local	
		4,851,572	Available Balance
		5,000,000	Projected CIP FY21
		2,500,000	Projected CIP FY22
		12,351,572	

Past Reimbursements

Federal	State	Local	
17,314	2,770,857	697,043	
17,314	2,770,857	697,043	

Current Appropriation

Federal	State	Local	
3,163,920 12,099,337			

<u>Current Status</u>: The Belmont Bridge Replacement project is currently in the Right of Way phase acquiring necessary property rights to construct the improvements as well as design of relocation of private utilities. Final design has been reviewed by City Staff as well as the Virginia Department of Transportation and comments are being addressed. Final Construction Documents, including revised final plans addressing comments, is under development with a planned advertisement date of Fall 2020.

Alignment with City Council's Vision Areas and Strategic Plan: Approval of this agenda item upholds the City's commitment to create "a connected community" by improving upon our existing transportation infrastructure. In addition, it would contribute to Goal 2 of the Strategic Plan, Be a safe, equitable, thriving, and beautiful community; Objectives 2.3. Provide reliable and high quality infrastructure and 2.6. Engage in robust and context sensitive urban planning.

<u>Community Engagement</u>: There has been significant engagement throughout project planning through a Steering Committee, project specific public meetings, coordination with City boards/commissions and public surveys. A Design Public Hearing was held on May 24, 2018 and its results were accepted by City Council on July 16, 2018. A Certificate of Appropriateness was granted by the Board of Architectural Review on August 20, 2019. A Citizen Information Meeting will be advertised and held in the coming months to discuss maintenance of traffic for both vehicles and pedestrians, construction schedule and sequencing. Progress reports, future traffic notices as well as historical meeting information can be found on www.belmontbridge.org.

<u>Budgetary Impact</u>: None. Appropriation is composed of the remaining state and federal allocations that are reimbursed once expended. Local funds were previously approved and funded through the CIP from FY03 to FY21 with a planned contribution in FY22.

Recommendation: Staff recommends approval and appropriation of the funds.

Alternatives: N/A

Attachments: Appropriation

APPROPRIATION

Belmont Bridge Replacement Project – \$15,263,257.41

WHEREAS, a total of \$3,163,920.41 in federal funds for the Belmont Bridge Replacement project requires appropriation;

WHEREAS, a total of \$12,099,337 in state funds for the Belmont Bridge Replacement project requires appropriation;

NOW, THEREFORE BE IT RESOLVED by the Council of the City of Charlottesville, Virginia that the following is hereby appropriated in the following manner:

<u>Revenues</u>

\$3,163,920.41	Fund: 426	WBS: P-00436	G/L Account: 430120
\$12,099,337	Fund: 426	WBS: P-00436	G/L Account: 430080
Expenditures			
\$3,163,920.41	Fund: 426	WBS: P-00436	G/L Account: 599999
\$12,099,337	Fund: 426	WBS: P-00436	G/L Account: 599999

4/26/2021

Project Number: 0020-104-101 75878 City of Charlottesville CFDA# 20.205 Locality: Project Location ZIP+4: 22902-5303 Locality DUNS # 074745829 Locality Address (incl ZIP+4): 610 East Market Street Charlottesville, VA 22902-5303 **Project Narrative** Work #SGR - RTE 20 - Bridge Replacement - Belmont Bridge Description: Garrett Street/Levy Ave. (0.173 mi south of Water Street)
East Market Street (0.095 mi. north of Water Street) From: To: Locality Project Manager Contact info: Jeanette Janiczek janiczek@charlottesville.org 434-970-3309 Department Project Coordinator Contact Info: Michael Barnes michaeld.barnes@vdot.virginia.gov

Project Estimates									
	Preliminary Engineering	Right of Way and Utilities	Construction	Total Estimated Cost					
Estimated Locality Project Expenses	\$3,111,747	\$1,076,425	\$30,464,695	\$34,652,867					
Estimated VDOT Project Expenses	\$99,000	\$5,000	\$623,915	\$727,915					
Estimated Total Project Costs	\$3,210,747	\$1,081,425	\$31,088,610	\$35,380,782					

	The second secon	Project	Cost and Reimburse	ment			
Phase	Estimated Project Costs	Funds type (Choose from drop down box)	Local % Participation for Funds Type	Local Share Amount	Maximum Reimbursement (Estimated Cost - Local Share)	Estimated Reimbursement to Locality (Max. Reimbursemer Est. VDOT Expense	
Preliminary Engineering	\$3,158,240	Urban	20%	\$631,648	\$2,526,592		
	\$52,507	Local Funds	100%	\$52,507	\$0		
				\$0	\$0		
				\$0	\$0		
Total PE \$3,210,747				\$684,155	\$2,526,592	\$2,427,592	
light of Way & Utilities	\$818,194	Urban	20%	\$163,639	\$654,555		
	\$263,231	MAP21 w/ Soft Match	0%	\$0	\$263,231		
				\$0	\$0		
				\$0	\$0		
Total RW	\$1,081,425			\$163,639	\$917,786	\$912,786	
construction	\$2,507,713	MAP21 w/ Softmatch	0%	\$0	\$2,507,713	Name and Associated Control of the C	
	\$4,500,000	Bond	0%	\$0	\$4,500,000		
	\$438,433	CTB Formula State	0%	\$0	\$438,433		
	\$5,280,739	SGR	0%	\$0	\$5,280,739		
	\$12,321,808	Revenue Sharing	50%	\$6,160,904	\$6,160,904		
	\$86,537	Quarterly Payments remaining after match	100%	\$86,537	\$0		
	\$5,953,380	Local Funds	100%	\$5,953,380	\$0	the second section of the second section is a second second section of the second seco	
Total CN	\$31,088,610			\$12,200,821	\$18,887,789	\$18,263,874	
otal Estimated Cost	\$35,380,782			\$13,048,615	\$22,332,167	\$21,604,252	

Total Maximum Reimbursement by VDOT to Locality (Less Local Share)	\$22,332,167
Estimated Total Reimbursement by VDOT to Locality (Less Local Share and VDOT Expenses)	\$21,604,252

Project Financing											
Federal 80%	Quarterly Payments	MAP 21 STP	MAP 21 Soft Match	Revenue Sharing State	Revenue Sharing Local	State CTB Formula	Bond	SGR State	SGR Federal	Local Funds	Aggregate Allocations
\$3,181,147	\$881,824	\$2,216,755	\$554,189	\$6,160,904	\$6,160,904	\$438,433	\$4,500,000	\$5,280,652	\$87	\$6,005,887	\$35,380,782

Program and Project Specific Funding Requirements

- This Project shall be administered in accordance with VDOT's Locally Administered Projects Manual

\$22,332,167

- The Project will be constructed and maintained in accordance with VDOT's Urban Manual and Urban Construction Initiative Administration Guide:
- In accordance with Chapter 12.1.3 (Scoping Process Requirements) of the LAP Manual, the locality completed project scoping on May 29, 2018,
- This is a limited funds project. The LOCALITY shall be responsible for any additional funding in excess of
- Programs to the Engible expenditures shall not exceed funds allocated each year by the Commonwealth Transportation Board in the Six Year Improvement Program.
- All local funds included on this appendix have been formally committed by the local government's board or council resolution subject to appropriation.
- This Project has Revenue Sharing Program allocations. Per §33.2-357 the Project must progress in order to prevent these funds from being de-allocated.
- The LOCALITY will continue to operate and maintain the facility as constructed. Should the design features of the Project be altered by the LOCALITY subsequent to Project completion without approval of the DEPARTMENT, the LOCALITY inherently agrees, by execution of this agreement, to make restitution, either physically or monetarily, as required by the DEPARTMENT.
- Revenue Sharing Program funds, as indicated in the Project Financing section, were approved in the following fiscal years:
 - ☐ FY10 \$400,000 (\$200,000 locality match and \$200,000 VDOT match)
 - FY11 \$921,808 (\$460,904 locality match and \$460,904 VDOT match)
 - FY12 \$1,000,000 (\$500,000 locality match and \$500,000 VDOT match)
 - B FY13 \$1,000,000 (\$500,000 locality match and \$500,000 VDOT match) ☐ FY18 - \$9,000,000 (\$4,500,000 locality match and \$4,500,000 VDOT match)

This repellative appealance of the province relations signed by TDO 1 and the ECON	Mat 1 1.							
s attachment is certified and made an official attachment to this document by the parties to this agreement.								
CARaha 4/30/21	<u> </u>							
Authorized Locality Official Date		Authorized VDOT Official	Date					
Charles P. Boyles II		Gregory E. Banks						
Typed or printed name of person signing	Revised: February 1, 2019	Typed or printed name of person signing						

8/5/2020 CFDA # 20.205 Locality: City of Charlottesville UPC: 75878 Project Number: 0020-104-101 Locality Address (incl ZIP+4): Locality DUNS # 074745829 Project Location ZIP+4: 22002-5303 610 East Market Street Charlottesville VA 22902-5303 Project Narrative A crk #SGR - RTE 20 - Bridge Replacement - Belmont Bridge Description Garrett Street/Levy Ave. (0.173 mi south of Water Street) From East Market Street (0.095 mi. north of Water Street) Io: 434-970-3309 Local y Project Manager Contact into Jeanette Janiczek janiczek @charlottosvillo org 434-970-330 Department Project Occidinator Contact Info: Michael Barnes michaeld barnes @ vdot. virginia gov 434-270-2233 Department Project Cooldinator Contact Info: Michael Barnes Project Estimates Total Estimated Cost Pretmosty Engineering Right of Way and Utilities Construction 130,407,128 \$1,063,425 \$25,625,768 \$3.537,937 Estimated Localing Project Extenses \$692,915 Estmated VDOT Project Exceptes 851,000 \$18,000 \$523,915 \$31,100,043 Estimated Total Project Costs \$26,420,631 \$3.588.937 \$1 051 425 Project Cost and Relimbursement Estimated Reinduntered Marinem Reimbursemen to Loca X Funds typa (Occis tom propidmin ter) Local Share Amount Phate Extrated Project Costs PAIX Rembusement -Est VOOT Experses) Funds Type Shaw) \$2,628 592 \$631,048 Presminary Engineering \$3,159 240 Urban 20% \$430,697 30 \$430,697 Local Funds 100% \$2,520,592 \$2,475 597 \$1,062,345 Total PE \$3,588,937 \$A54 555 20% \$163,639 Right of Way & United 1010,194 Urban \$263,231 MAP21 W Golffalth 0% 50 \$263,231 \$0 \$917,760 \$599 785 \$163,639 Total RV \$1,031,425 \$2,507,713 0% 50 MAP21 w/ Solitakh Jonatur tor \$2,507,713 \$4,500,000 0% 50 \$4,500,000 \$439,433 \$439,433 CTB Formula State 0% \$0 0% 50 \$1,000,000 BOR \$1,000,000 Пеуван Stain; 50% \$6,160,904 \$4,160,604 \$12,321,608 Quarterly Payments \$55,537 50 \$56 537 romaining after match 100% \$5 575,190 \$0 \$5,575,190 Local Funds 100% 50 \$13,033,135 \$11,622 631 \$14,607,050 Total CN \$26,429,681 \$18,051,428 \$17,350,513 Total Estimated Cost \$31,100,043 \$13,048,615 \$18,051,428 Total Maximum Reimbursement by VDOT to Locality (Less Local Share)
Estimated Total Reimbursement by VDOT to Locality (VDOT Expenses are reimbursable through UPC 77838) \$18,051,428 Project Financing Revenue Revenue SGR Aggregate SGR Local Quarterly MAP 21 MAP 21 Sharing State Snaring State CTB Formula Bond Federal Funds Allocations Soft Match STP 60% **Payments** Local \$881,824 \$2.216,755 \$554,169 \$6,160,904 \$6,160,904 \$438,433 \$4,500,000 \$999,913 587 \$6,005,887 \$31,100,043 \$3,181,147 Program and Project Specific Funding Requirements

This Project shall be administered in accordance with VDOT's Locally Administered Projects Manual and Reviews Ehadry Program Guidelines The Projectival be constructed and maintained in accordance with VDOTs Urban Manual and Urban Construction indicate Administration Guida. e in accordance with Chapter 12.1.3 (Scoping Process Requirements) of the LAP Manual, the localty completed project scoping on May 29, 2018. \$18,051,428 This is a strated funds project. The LOCALITY shall be responsible for any additional funding in excess of e Reinbursement for eig ble expenditures shall not exceed funds allocated each year by the Commonwealth Transportation Board in the Bit Year Ingrevement Program. At local funds included on this appendix have been formally committed by the local government's board or council resolution subject to appropriation. This project has never up change program appearance many program any program and a program and a program and a program and a manual the facility as constructed. Should be design features of the Project be altered by the LOCALITY subsequent to Project completion whence approved of the DEPARTMENT, the LOCALITY inherently agrees, by executioned this approved on the DEPARTMENT, the LOCALITY inherently agrees, by executioned this approved in the Project for any project for any program and a six of careful in the Project for any project for a This Project has Revenue Sharing Program abocations. Per \$33.2-357 the Project must progress in order to prevent these funds from being devalocated. D FY11 - \$921,008 (\$460,904 locally match and \$460,904 VDOT match) D FY12 - \$1,000,000 (\$500,000 locality match and \$500,000 VDOT match) U FY13 - \$1,000,000 (\$500,000 locally match and \$500,000 VOOT match) U_FY18 - \$9,000,000 (\$4,500,000 localty match and \$4,500,000 VDOT match) This standard agreement replaces the Programmate Project Administration Agreement that this project was proviously under and supersectes all provious versions signed by the Localty and This attachment is certified and made on official stractment to this down entity the parties to this agreement

Authorized Locally Official Dr. Tarron J. Richardson Typed or printed name of person signing

Gregory E. Banks Typed or printed name of person signing 8 13 2020

Revised February 1, 2019