



## MEMORANDUM

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**TO: THE BRIDGE AND TUNNEL ENTERPRISE BOARD OF DIRECTORS**  
**FROM: JEFF SUDMEIER, CHIEF FINANCIAL OFFICER**  
**DATE: DECEMBER 16, 2021**  
**SUBJECT: FIFTH SUPPLEMENT TO THE FISCAL YEAR 2021-22 BRIDGE AND TUNNEL ENTERPRISE BUDGET**

### Purpose

This month the Bridge and Tunnel Enterprise (BTE) Board of Directors (Board) is being asked to approve a budget supplement that increases the design phase budget for BTE eligible structures, I-70 eastbound (EB) over Polk Creek (F-12-AS) and I-70 westbound (WB) over Polk Creek (F-12-AT), to advance the design from a preliminary level to final design.

### Action

Staff is requesting Board approval of Proposed Resolution #BTE-21-12-02, the fifth budget supplement to the Fiscal Year 2021-22 BTE budget.

### Background

Region 3:

As part of the larger I-70 Vail Pass Safety and Operations Improvement Project (Vail Pass project), a budget increase to fund the final design of BTE eligible structures, I-70 EB over Polk Creek (F-12-AS) and I-70 WB over Polk Creek (F-12-AT) is being requested as part of a planned incremental budgeting process. This funding will allow the project team to advance the design from a preliminary to final design.

F-12-AS and F-12-AT are top tier structures in the July 2021 BE prioritization plan. The structures developed numerous fatigue cracks at diaphragm connection plates and lateral bracing gusset plate connections which has resulted in the downgrade of the National Bridge Inventory (NBI) rating for the bridge superstructure to “poor” and eligible for BE funding. Based on findings from the last several bridge inspections, the frequency and severity of planned and unplanned (emergency) repairs to address the fatigue cracking are likely to increase over time if the structure is not addressed.

The Vail Pass Project was awarded a FY2020 INFRA Grant in 2020. In support of the grant application, the legacy BE Board previously authorized (re: Resolution #BE-20-02-02) a maximum of \$40M in BTE matching funds for the BTE eligible portions of the project. Due the addition of the F-12-AT structure to the BTE project, resolution #BTE-21-09-03 was approved to increase the maximum BTE funding commitment to \$61.5M. This supplement does not increase the maximum BTE funding commitment, it only provides staff authorization to increase the existing project budget to \$6.54M, which is well below the approved maximum.

**I-70 ML East & West Bound over Polk Creek in Eagle County**  
(F-12-AS) (new not assigned yet) (F-12-AT ) (new not assigned yet) (SAP Project # 23929/1000...)  
*Budget Components by Phase, Funding Program, Fiscal Year*

Phase of Work	Funding Program	Current Budget	BE Supplement Action				Revised Budget	Expended To-Date
			Year of Budget			Total Request		
			FY 2022	FY 2023	FY 2024			
Design	<i>FASTER Bridge Funds</i>	\$ 4,426,100	\$ 2,024,400	\$ -	\$ -	\$ 2,024,400	\$ 6,450,500	\$ 1,469,783
	<b>Total Design</b>	<b>\$ 4,426,100</b>	<b>\$ 2,024,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,024,400</b>	<b>\$ 6,450,500</b>	<b>\$ 1,469,783</b>
<b>Total Project Budget</b>		<b>\$ 4,426,100</b>	<b>\$ 2,024,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,024,400</b>	<b>\$ 6,450,500</b>	<b>\$ 1,469,783</b>
			Year of Expenditure			Total Request		
			FY 2022	FY 2023	FY 2024			
			\$735,000	\$1,024,400	\$265,000	\$2,024,400		

**Next Steps**

- 1) Approval of this budget supplement will allow F-12-AS and F-12-AT to proceed to final design.
- 2) Staff will bring an additional budget supplement request to the BTE Board for construction phase funding for both BTE eligible structures.

**Attachments**

Attachment A: Proposed Resolution #BTE-21-12-02.