



2829 W. Howard Place
 Denver, CO 80204

TO: THE BRIDGE ENTERPRISE BOARD OF DIRECTORS
FROM: JEFF SUDMEIER, CHIEF FINANCIAL OFFICER
DATE: JUNE 18, 2020
SUBJECT: TENTH SUPPLEMENT TO THE FISCAL YEAR 2019-20 BRIDGE ENTERPRISE BUDGET

Region 1:

This request is to increase the design phase budget for this bridge scour mitigation project in order to take the project to advertisement. The scour mitigation work will be completed for two Bridge Enterprise structures that are currently being rehabilitated, E-16-LU & E-16-LT. The budget increase is needed for additional design work to address extensive comments by the Mile High Flood District (MHFD).

When the initial budget for this project was developed, the role of the MHFD was unclear. It has been determined that when the work is completed, the MHFD will become the owner and maintainer of the drop structures (cross vanes) that will serve as the scour counter measures in Clear Creek. As a result, MHFD has requested extensive modifications to the design as well additional design calculations and hydraulic modeling.

The key additional requests by MHFD are:

- Structural design of cross vane cutoff wall per USBR requirements and associated Geotechnical recommendations by sub-consultant Vivid
- Additional modeling requirements for various storm events as part of the CLOMR submittal to FEMA
- Designing and detailing the cross vanes for public access in addition to scour mitigation due to proximity of other future recreational services on Clear Creek
- Design of CDOT’s Fisher Ditch Overflow Diversion pipe outfall at Clear Creek

The design timeline is also being extended due to homeless encampments close to the bridges and the team is being cautious due to COVID-19 concerns. This is preventing a supplemental geotechnical survey, which is on the critical path to finish the design.

The existing structurally deficient bridges are top-tier candidate bridges in the January 2020 BE Prioritization Plan.

- **\$121,200 FASTER Funds - Design Phase: Increase the design phase.**

I-76 West and East Bound over Clear Creek in Adams County
 (E-16-LU & E-17-LT) (No New structures assigned) (SAP Project # 23444/1000...)
 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 2020	FY 2021	FY 2022			
Design	FASTER Bridge Funds	\$ 162,250	\$ 121,200	\$ -	\$ -	\$ 121,200	\$ 283,450	\$ 94,611
	Total Design	\$ 162,250	\$ 121,200	\$ -	\$ -	\$ 121,200	\$ 283,450	\$ 94,611
Total Project Budget & Expenditure		\$ 162,250	\$ 121,200	\$ -	\$ -	\$ 121,200	\$ 283,450	\$ 94,611
			Year of Expenditure			Total Request		
			FY 2020	FY 2021	FY 2022			
			\$ -	\$ 121,200		\$ 121,200		