



2829 W. Howard Place
 Denver, CO 80204

TO: THE BRIDGE ENTERPRISE BOARD OF DIRECTORS
FROM: JEFF SUDMEIER, CHIEF FINANCIAL OFFICER
DATE: OCTOBER 15 2020
SUBJECT: SECOND SUPPLEMENT TO THE FISCAL YEAR 2020-21 BRIDGE ENTERPRISE BUDGET

Region 2:

This request is to establish the construction phase budget for this bridge replacement. The existing structure has advanced substructure deterioration and has been classified as scour critical. A scour critical designation indicates that this structure is at a high risk due to frequent flooding and increased water elevations at this location due to spring snow melt and heavy rain events upstream. Based on information obtained from Region Staff and Maintenance Units, this structure is frequently monitored for high water and scour and evaluated for closure. There have been reported instances where conditions warranted temporary closure of the structure. The length of the new single span bridge was determined based on the required hydraulic opening and the width was selected to accommodate current CDOT roadway standards. This structure is listed as a Top Tier project in the July 2020 Prioritization Plan.

- **\$3,821,750 FASTER Funds - Construction Phase:** Establish the construction phase.

US 285 over South Fork South Platte River in Park County
 (Old H-13-G) (New H-13-H) (SAP Project # 22865/1000...)
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 2021	FY 2022	FY 2023			
Design	<i>FASTER Bridge Funds</i>	\$ 486,730	\$ -	\$ -	\$ -	\$ -	\$ 486,730	\$ 385,232
	Total Design	\$ 486,730	\$ -	\$ -	\$ -	\$ -	\$ 486,730	\$ 385,232
Construction	<i>FASTER Bridge Funds</i>	\$ -	\$ 3,821,750	\$ -	\$ -	\$ 3,821,750	\$ 3,821,750	\$ -
	Total Construction	\$ -	\$ 3,821,750	\$ -	\$ -	\$ 3,821,750	\$ 3,821,750	\$ -
Total Project Budget & Expenditure		\$ 486,730	\$ 3,821,750	\$ -	\$ -	\$ 3,821,750	\$ 4,308,480	\$ 385,232
			Year of Expenditure			Total Request		
			FY 2021	FY 2022	FY 2023			
			\$ 600,000	\$ 3,221,750	\$ -	\$ 3,821,750		

This request is to establish the construction phase budget for this bridge replacement project. The existing deficient bridge is being replaced with a Concrete Box Culvert (CBC). The existing structure has advanced deck deterioration due to chloride intrusion and has reached the end of its useful service life. Additionally, the substandard width of the existing structure creates a significant safety risk due to the pinch point at the abrupt transition from the full roadway cross section to the bridge cross section in both the eastbound and westbound directions. This issue is exacerbated by the absence of bridge rail transitions at the approaches and the blunt ends of the historic rail. The new structure is wider than current structure to accommodate standard width shoulders for improved safety and a future planned passing lane. This structure is listed as Second Tier structure in the July 2020 Prioritization Plan, however, it was listed as a Top Tier structure as recently as January 2020 Prioritization Plan and in the January 2019 Prioritization Plan, the period when design was funded.

- **\$2,425,650 FASTER Funds - Construction Phase:** Establish the construction phase.

US 24 over Draw in El Paso County
 (Old H-19-C) (new 024G331948BL) (SAP Project # 22995/1000...)
 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 2019	FY 2020	FY 2021			
ROW	<i>FASTER Bridge Funds</i>	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ -
	Total ROW	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ -
Design	<i>FASTER Bridge Funds</i>	\$ 250,100	\$ -	\$ -	\$ -	\$ -	\$ 250,100	\$ 187,790
	Total Design	\$ 250,100	\$ -	\$ -	\$ -	\$ -	\$ 250,100	\$ 187,790
Construction	<i>FASTER Bridge Funds</i>	\$ -	\$ 2,425,650	\$ -	\$ -	\$ 2,425,650	\$ 2,425,650	\$ -
	Total Construction	\$ -	\$ 2,425,650	\$ -	\$ -	\$ 2,425,650	\$ 2,425,650	\$ -
Total Project Budget		\$ 265,100	\$ 2,425,650	\$ -	\$ -	\$ 2,425,650	\$ 2,690,750	\$ 187,790
			Year of Expenditure			Total Request		
			FY 2019	FY 2020	FY 2021			
			\$727,700	\$1,697,950	\$0	\$2,425,650		

This request is to establish the construction phase budget for this bridge replacement project. The existing structure has widespread deterioration throughout all deck, superstructure, and substructure elements, including rotten timber piling and split timber stringers. The length of the new single span bridge was determined based on the required hydraulic opening and the width was selected to accommodate current CDOT roadway standards. This structure is listed as Second Tier structure in the July 2020 Prioritization Plan, however, it was listed as a Top Tier structure as recently as the July 2019 Prioritization Plan and in the January 2019 Prioritization Plan, the period when design was funded.

- **\$1,895,300 FASTER Funds - Construction Phase:** Establish the construction phase.

SH 71 over Highline Canal in Otero County
 (Old M-22-N) (New M-22-NA) (SAP Project # 23005/1000...)
 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 2021	FY 2022	FY 2023			
Design	<i>FASTER Bridge Funds</i>	\$ 525,400	\$ -	\$ -	\$ -	\$ -	\$ 525,400	\$ 242,075
	Total Design	\$ 525,400	\$ -	\$ -	\$ -	\$ -	\$ 525,400	\$ 242,075
Construction	<i>FASTER Bridge Funds</i>	\$ -	\$ 1,895,300	\$ -	\$ -	\$ 1,895,300	\$ 1,895,300	\$ -
	Total Construction	\$ -	\$ 1,895,300	\$ -	\$ -	\$ 1,895,300	\$ 1,895,300	\$ -
Total Project Budget & Expenditure		\$ 525,400	\$ 1,895,300	\$ -	\$ -	\$ 1,895,300	\$ 2,420,700	\$ 242,075
			Year of Expenditure			Total Request		
			FY 2021	FY 2022	FY 2023			
			\$ 1,275,240	\$ 620,060	\$ -	\$ 1,895,300		