

**CHANGE ORDER MEMORANDUM**

DATE: February 25, 2024

CEM-4903 (REV. 06/2019)

TO William Pike, Interim Director of Public Works			FILE Evergreen Road Bridge Replacement Project BRLOZB-5908(025)
FROM Justin Kable, Resident Engineer			CONTINGENCY BALANCE (Including this change) \$387,956.28 - \$17,788.13 = \$370,168.15 (HBP) \$581,994.72 - \$88,965.77 = \$493,028.95 (STIP)
CHANGE ORDER NO. 19	SUPPLEMENT NO.	CATEGORY CODE	BOARD OF SUPERVISORS APPROVAL REQUIRED? YES <u>X</u> NO <u>  </u>
CHANGE ORDER AMOUNT \$ 106,753.90                      Increase <u>  X  </u> Decrease <u>  </u>			
SUPPLEMENTAL FUNDS PROVIDED \$ N/A			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS    YES <u>X</u> NO <u>  </u>

**This change order provides for:**

This change provides for constructing the A.C.I.D. bridge in a single stage.

**Reason for change:**

Work constructing the new A.C.I.D canal bridge and demolishing the old bridge was restricted to the timeframe between November 1<sup>st</sup> and April 1<sup>st</sup> each year. These were the periods when the canal was drained.

An accelerated work schedule was necessary due to adverse weather conditions that prevented work from beginning until late November 2023. Continued adverse weather conditions further delayed the construction of the detour and removal of the existing bridge. To reduce the risk to the project schedule, avoid risk related to the structural deficiencies of the existing structure, and reduce the inconvenience to the traveling public, a complete detour and full-width removal and replacement of the existing structure was determined to be the best course of action.

**Method of payment:**

Existing contract bid items will be used when feasible to compensate for cost and savings quantity changes. The bid items affected include:



- Bid Items Increased:
  - Item 10 - Temporary Railing (Type K)
  - Item 47 - Class II Aggregate Base
  - Item 48 - Hot Mix Asphalt (Type A) (Quantity split 50/50 with the contractor per negotiations to account for contractor convenience)
- Bid Items Decreased
  - Item 5 – Type III Barricade
  - Item 6 – Temporary Pavement Marking (Paint)
  - Item 11 – Temporary Alternative Crash Cushion
  - Item 85 – Remove Box Culvert

The County and the Contractor negotiated lump sum prices for the import borrow rehandling, Class II AB rehandling, and temporary traffic signal work on the north side of the road when bid items did not cover the scope of the work. The import and AB re-handling occurred over an extended period of time and the scope of work was not similar to the import and AB bid items in the contract. Agreed lump sums are justified by the attached independent engineer's estimates. These lump sums include:

- Salvage and Rework Import Borrow
- Salvage and Rework Class II AB
- Temporary Traffic Control System (Lump Sum split 50/50 with the contractor per negotiations to account for contractor convenience)

**Time adjustment:** This work does not affect the controlling activity. No time adjustment is warranted.

**Funding:** The funding details for this Change Order are shown in the attached Table 1.

CONCURRED BY		<b>ESTIMATE OF COST</b>	
COUNTY PROJECT MANAGER	DATE	<b>THIS REQUEST</b>	<b>TOTAL TO DATE</b>
Jon McClain 	3/5/25	ITEMS	\$ 22,811.40
COUNTY SENIOR ENGINEER	DATE	FORCE ACCOUNT	\$ 0.00
Shawn Furtado		AGREED PRICE	\$ 83,942.50
		ADJUSTMENT	\$ 0.00
		TOTAL	\$ 106,753.90
		<b>FEDERAL PARTICIPATION</b>	
		<input checked="" type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (Maintenance) <input type="checkbox"/> NON PARTICIPATING	
		<b>FEDERAL SEGREGATION (If more than one funding source or P.I.P.type)</b>	
		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input checked="" type="checkbox"/> CCO FUNDED AS FOLLOWS	
		FEDERAL FUNDING SOURCE	PERCENT
		STIP	87.7
		HBP	12.3
RESIDENT ENGINEER SIGNATURE			
Justin Kable, PE 			

## CHANGE ORDER MEMORANDUM - FUNDING DETAILS

**James N. Simon, Director of Public Works**

Evergreen Road Bridge Replacement Project  
BRLOZB-5908(025)

**Justin Kable, Resident Engineer**

SUPPLEMENT NO.

19

**The Funding for this change order is as follows:**

ITEM #	DESCRIPTION	STIP	HBP	TOTAL
10	Temporary Railing (Type K)	\$7,140.00	\$0.00	\$7,140.00
47	Class II Aggregate Base	\$27,309.66	\$13,850.34	\$41,160.00
48	Hot Mix Asphalt (Type A)	\$8,468.61	\$3,937.79	\$12,406.40
5	Type III Barricade	-\$236.00	\$0.00	-\$236.00
6	Temporary Pavement Marking (Paint)	-\$572.00	\$0.00	-\$572.00
11	Temporary Alternative Crash Cushion	-\$10,800.00	\$0.00	-\$10,800.00
85	Remove Box Culvert	-\$26,287.00	\$0.00	-\$26,287.00
EWAP	Salvage and Rework Import Borrow	\$35,000.00	\$0.00	\$35,000.00
EWAP	Salvage and Rework Class II AB	\$35,000.00	\$0.00	\$35,000.00
EWAP	Temporary Traffic Control System	\$13,942.50	\$0.00	\$13,942.50
	TOTAL	\$88,965.77	\$17,788.13	\$106,753.90
	TOTAL (Positive Entries Only)	\$126,860.77	\$17,788.13	\$144,648.90
	Percentage split of CCO	87.70	12.30	

**EXTRA WORK @ FORCE ACCOUNT ANALYSIS - Work Performed**

Salvage and Re-work Import Borrow - 2 Day activity

**Labor:**

Description	Hours	Rate	Total	Markups
Operator Foreman (1 x 16 Hours)	16.00	\$97.65	\$1,562.40	
Operator Gradesetter (1 x 16 Hours)	16.00	\$96.12	\$1,537.92	
Operator (1 x 16 Hours)	16.00	\$96.12	\$1,537.92	
Operator (1 x 16 Hours)	16.00	\$96.12	\$1,537.92	
				9%
				\$6,732.01
				35%
TOTAL LABOR			\$6,176.16	<b>\$9,088.22</b>

**Equipment:**

Description	Hours	Rate	Total	
T&TT 06-12 (2 Days)	16.00	\$41.96	\$671.36	
T&TT 06-12 (2 Days)	16.00	\$41.96	\$671.36	
T&TT 06-12 (2 Days)	16.00	\$41.96	\$671.36	
T&TT 06-12 (2 Days)	16.00	\$41.96	\$671.36	
HCECL_L-B_350X4T (2 Days)	16.00	\$214.55	\$3,432.80	
HCECL_L-B_350X4T (2 Days)	16.00	\$214.55	\$3,432.80	
LDRRT_CAT_2310M (2 Days)	16.00	\$212.26	\$3,396.16	
ROVIB_CAT_8040 (2 Days)	16.00	\$67.10	\$1,073.60	
ROVIB_CAT_7020 (2 Days)	16.00	\$133.25	\$2,132.00	
Trucking (Borrow) (2 Days)	16.00	\$140.00	\$2,240.00	
Trucking (Borrow) (2 Days)	16.00	\$140.00	\$2,240.00	
Trucking (Borrow) (2 Days)	16.00	\$140.00	\$2,240.00	
				15%
TOTAL EQUIPMENT			\$22,872.80	<b>\$26,303.72</b>

**Material:**

Qty	Unit Price	Total
		\$ -

		15%
TOTAL MATERIALS	\$0.00	<b>\$0.00</b>

TOTAL COST \$35,391.94

Prime Contractor Markup \$0.00

**Grand Total \$35,391.94**

**Comments:**

Labor markup is 9% for RT &amp; OT.

**EXTRA WORK @ FORCE ACCOUNT ANALYSIS - Work Performed**

Salvage and Re-work Class II AB - 3 Day Activity Duration

**Labor:**

Description	Hours	Rate	Total	Markups
Operator Foreman (1 x 24 Hours)	24.00	\$97.65	\$2,343.60	
Operator Gradesetter (1 x 24 Hours)	24.00	\$96.12	\$2,306.88	
Operator (1 x 24 Hours)	24.00	\$96.12	\$2,306.88	
				9%
				\$7,583.52
				35%
TOTAL LABOR			\$6,957.36	<b>\$10,237.76</b>

**Equipment:**

Description	Hours	Rate	Total	
T&TT 06-12 (3 Days)	24.00	\$41.96	\$1,007.04	
T&TT 06-12 (3 Days)	24.00	\$41.96	\$1,007.04	
T&TT 06-12 (3 Days)	24.00	\$41.96	\$1,007.04	
HCECL_L-B_350X4T (3 Days)	24.00	\$214.55	\$5,149.20	
LDRRT_CAT_2310M (3 Days)	24.00	\$212.26	\$5,094.24	
ROVIB_CAT_7020 (3 Days)	24.00	\$133.25	\$3,198.00	
Trucking (Borrow) (3 Days)	24.00	\$140.00	\$3,360.00	
Trucking (Borrow) (3 Days)	24.00	\$140.00	\$3,360.00	
				15%
TOTAL EQUIPMENT			\$23,182.56	<b>\$26,659.94</b>

**Material:**

Qty	Unit Price	Total
		\$ -

		15%
TOTAL MATERIALS	\$0.00	<b>\$0.00</b>

TOTAL COST \$36,897.70

Prime Contractor Markup - 10% \$0.00

**Grand Total \$36,897.70**

**Comments:**

Labor markup is 9% for RT & OT.

**EXTRA WORK @ FORCE ACCOUNT ANALYSIS - Work Performed**

Temporary Traffic Control System - 90 Days

**Labor:**

Description	Hours	Rate	Total	Markups
				9%
				\$0.00
				35%
TOTAL LABOR			\$0.00	<b>\$0.00</b>

**Equipment:**

Description	Day	Rate	Total	
TRAFC_NAT_PTL2.4X	90.00	\$910.81	\$81,972.90	
				15%
TOTAL EQUIPMENT			\$81,972.90	<b>\$94,268.84</b>

**Material:**

	Qty	Unit Price	Total	
			\$ -	
				15%
TOTAL MATERIALS			\$0.00	<b>\$0.00</b>

TOTAL COST \$94,268.84

Prime Contractor Markup - 10% \$9,426.88

**Grand Total \$103,695.72**

50/50 Split - Contractor Portion \$51,847.86

50/50 Split - Owner Portion \$51,847.86

**Comments:**

Labor markup is 9% for RT &amp; OT.