

Last updated on 11-Dec-2022 16:25 (Mountain Time) by

PII

Title	Cost Impact	Revision	Step
Change Request 195 - Rock Shield Preparation and Installation Activities Feb-July 2022	499,285.08 \$	1	1 2 3 4 5
CCMR No	Originating Person	Status	
TMEP-CCMR-01735	PII	Completed	
Vendor Name	Contract No	PO No	CCM Type
Kiewit Bonatti TMEP Partnership	CTR003143	PO201-003857	COR

Step 1 - Contractor - Register

Location Groups

Pipeline

Project Locations

Spread 5B

Date of Request	Date of Revision	Requested Approval Date
28-Sep-2022	13-Oct-2022	26-Nov-2022

Urgent

☐ Yes ☒ No

Details

Vendor CCM Number

CR-195

NTP#

002

Describe Current Situation/Issue

With the approval of the change request 074 Rev 1, KBTP has been authorized to provide 7,700m of rock shield.

The change request did not include any cost for installation activity of the rock shield material. Rather, change request 074 rev.01 states: **"The cost for the preparation/installation (average daily production considered 72m/day) activities of the approved material, along with the training Fee for craft and camp allowance/retention, will be submitted monthly according to the actual installed quantities."**

However, as per TMEP's request, KBTP has evaluated the cost associated for the installation activities based on the hours reflected in the submitted LEMs and associated time tickets signed by TMEP's inspectors, for the period from February 2022 to July 2022.

The revised estimation includes:

1. The labour cost based on the billing classification resource and the hours spent for the rock shield works (to be mentioned that 4 LEMs have not been previously uploaded in PIMS for the month of February 2022, even as the associated time tickets have been approved and signed. Such LEMs and Time Tickets have been attached as Exhibits 10, 11, 12, & 13.).
2. An estimation of the equipment required to perform these activities (to be mentioned that KBTP refers to non-metered equipment that usually are not mentioned in time tickets). It will be considered 1 hour of ½ 4x4 ton pick-up, 1 hour of ¾ van passenger, 1 transport truck, 1 holiday detector for each hour of the involved foreman.
3. Deduction of the cost and fee approved with the CR-008 rev.01 for the rock shield preparation and installation activity expected to be executed in 2021, but never performed (refer to Exhibit 8 and 9). Exhibit 8 is the approved CR-008 rev.01. Exhibit 9 is estimation that, starting from CR-008 rev.01, includes the cost of labours, equipment, LOC, bond, and LOA to be deducted.

As per attached Exhibit 16, KBTP has lowered-in the pipeline for a length of 6,871m and requests the compensation for the associated preparation and installation of the rock shield material.

The decision to install rock shield is jointly defined on site, as it is dependent upon ground conditions; Refer to Exhibit 16 to see all pipestrings lowered by Bonatti to date where rock shield has been installed. Installation must be completed prior to opening the trench due to:

- Safety: Proximity to opened trench during installation activity as consequence of the limited available width of the ROW
- Time Constraints: Based on TMEP requirements, the trench cannot be left open more than 2-5 days depending on the season

The application of rock shield is further confirmed in the approved lifting plans that, under the Section named **"Pipe Weights of the pipes used in Spread 5B"** (under section 11.2.1 on pg.36 in Exhibits 14 and 15, attached herewith for prompt reference), state that:

- *Weights are based on nominal pipe joint lengths and include 25 kg/m for coating and rock shield protection, as it is expected be largely applied along the section in object, due to the nature of the soil.*

Notes:

1. LOA, CRIP, CAAP and Staff indirects have been excluded at the request of Owner; the need for additional staff and resources will be addressed at a later date.
2. KBTP reserves the right to revise the value of the change request following the approval of the revised craft rates to be applied after June 4th, 2022.

Describe Proposed Solution

KBTP has lowered-in the pipeline for a length of 6,871m. This change request is proposed for the compensation of associated preparation and installation of the rock shield material.

Justification for Change

As per GCC Exhibit D Compensation, Attachment D-3 Total Reimbursable Cost Estimate, Appendix A Basis of Estimate Assumptions Item 167, KBTP confirmed that no allowance for the supply and installation of Rock Shield had been included in the Estimate.

Currency	Cost Impact
CAD	Cost 499,285.08 \$

Schedule Impact	Details
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Critical Path Impact	Details
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Other Impacts

None

Attachments

Filename	Size	Updated
Change Request 195 - Rock Shield Preparation and Installation Activities Feb-July 2022.pdf	13,856.0 kB	17-Nov-2022
Exhibit 1 – Proposed Increase to Target Price and Level 2 Cost Summary CR-195.xlsx	422.7 kB	17-Nov-2022
Exhibit 2A and 2B – February 2022 Rockshield.xlsx	186.7 kB	17-Nov-2022
Exhibit 3A and 3B – March 2022 Rockshield.xlsx	4,228.4 kB	17-Nov-2022
Exhibit 4A and 4B – April 2022 Rockshield.xlsx	78.7 kB	17-Nov-2022
Exhibit 5A and 5B – May 2022 Rockshield.xlsx	69.3 kB	17-Nov-2022
Exhibit 6A and 6B – June 2022 Rockshield.xlsx	142.9 kB	17-Nov-2022
Exhibit 7A and 7B – July 2022 Rockshield.xlsx	166.9 kB	17-Nov-2022
Exhibit 14 – 01-13283-S5B-M002-LT-PLN-0035_0 - Typical Section 7B rev0_signed.pdf	11,751.3 kB	17-Nov-2022
Exhibit 15 – 01-13283-S5B-M002-LT-PLN-0127_0 - Typical Section 4B signed.pdf	12,518.4 kB	17-Nov-2022
Exhibit 16 – Lower-in Pipeline Quantity Table from February to July 2022.xlsx	61.5 kB	17-Nov-2022

Comments (visible to contractors and internal users)

PII

16-Nov-2022 18:00 (Mountain Time), rev 1

Backup updated.

PII

13-Oct-2022 05:36 (Mountain Time), rev 1

Form was rolled back to Section 1. PII

Reason : Revise and resubmit including the back-up for this COR. Please attach Summary of Time Tickets.

Role

Originating Person

Name

PII

Action

Submit

Signed By

PII

on 16-Nov-2022

Step 2 - FCA - Verification

Notification List

PII

Comments (visible to internal users only)

Role

FCA

Name

PII

Action

Verified

Signed By

PII

on 18-Nov-2022

Step 3 - SCM, PC, SME - Review

Project Control Review

PCN Required?

☐ Yes ☒ No

If YES - Specify

PCN#

Attachments

Filename	Size	Updated
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Comments (visible to internal users only)

PII 12-Oct-2022 16:45 (Mountain Time), rev 0

PII 07-Oct-2022 13:45 (Mountain Time), rev 0

PII 06-Oct-2022 17:03 (Mountain Time), rev 0

Role	Name	Action	Signed By
Reviewer	PII	Agree	PII on 23-Nov-2022
Role	Name	Action	Signed By
Reviewer	PII	Agree	PII
Role	Name	Action	Signed By
Reviewer	PII	Agree	PII on 25-Nov-2022
Role	Name	Action	Signed By
Reviewer	PII	Agree	PII on 24-Nov-2022
Role	Name	Action	Signed By
Reviewer	PII	Agree	PII on 01-Dec-2022
Role	Name	Action	Signed By
FCA	PII	Reviewed	PII on 02-Dec-2022

Step 4 - Management - Approve

MOC Required?

☐ Yes ☒ No

Relief Event

☒ Yes ☐ No

MOC#

Comments (visible to contractors and internal users)

Role	Name	Action	Signed By
Approver	PII	Approve	PII on 02-Dec-2022
Role	Name	Action	Signed By
Approver	PII	Approve	PII on 02-Dec-2022
Role	Name	Action	Signed By
FCA	PII	Confirmed	PII on 03-Dec-2022

Step 5 - SCM, FCA - Implement

Approved COR Uploaded into Ivalua

☒ Yes ☐ No

Change Order Issued

Change Order #

Allocation to Change Order Value

☐ Yes ☒ No

Cost \$

D365 PO Value Updated

☐ Yes ☒ No

Forms

No	Title
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Attachments

Filename	Size	Updated
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Comments (visible to internal users only)

Role	Name	Action	Signed By
FCA	<div>PII</div>	Completed	<div>PII</div> on 11-Dec-2022