Attachment 4.B

Financial Assurance Cost Estimate

FINANCIAL ASSURANCE COST ESTIMATE

FOR

Blue Lake Bar

(Mine Name)

CA Mine ID # 91- 12-0032

Reclamation Plan #/Name SMR-08-91X

Prepared by: (Name & Affiliation):

Travis Schneider, Pacific Affiliates

Date: 01/12/2024

This financial assurance cost estimate prepared and submitted pursuant to *(choose one)*:

- ○ A new or amended reclamation plan approved on (Date):_____
- ◉ An annual mine inspection performed on (Date): 10/19/2023
- ◉ Other: Please Specify: SMARA Permit Renewal

Most Recent Approved Financial Assurance Cost Estimate

Date: 03/09/2023

Amount: $ 9849.43

Amount of existing Financial Assurance Mechanism(s)

Date: 07/19/2018

Amount: $ 7,740.00

I. SUPPORTING DOCUMENTS

This estimate represents the cost of conducting and completing reclamation in accordance with the Surface Mining and Reclamation Act (SMARA) and the following supporting documents:

Reclamation Plan Approval Date and Number

SMR-08-91X, 1/21/2011

Permits and/or Environmental Documents Approved as, or Conditioned upon, the Reclamation Plan

Other Agency Financial Assurances Securing Reclamation of Disturbed Lands

Wage Rates used in Cost Estimate*

(cost estimates are required to use current 'General prevailing wage determinations made by the director of industrial relations' where applicable (http://www.dir.ca.gov/OPRL/PWD/index.htm) with employer labor surcharge added, or greater)

Equipment Rates used in Cost Estimate*

(Use current 'Labor Surcharge and Equipment Rental Rates (Cost of Equipment Ownership)' equipment rates published by Caltrans (http://www.dot.ca.gov/hq/construc/equipmnt.html) or other publicly available and verifiable local rates)

Equipment Production Rates used in Cost Estimate

(Use of current Caterpillar Performance Handbook or equivalent published production rates is required)

***** *Many mine sites are remote projects that require hours of travel (to and from) and sometimes require additional time to prepare for even the simplest of tasks. In accordance with Labor Code Sections 1773.1 and 1773.9, contractors are required to make travel and/or subsistence (per diem) payments to each worker to execute the work. These arrangements can be quite variable and site specific.*

Attachments:

II. Description of Current Site Conditions

(i.e., disturbed acres, slope conditions, excavation depths, topsoil and overburden stockpiles, equipment and facilities, reclamation in progress, erosion control status, required corrective actions, etc.)

The site is a 2-3 acre gravel river bar between the established riparian vegetation and the wetted channel. The site is naturally partially reclaimed each year during high flows. Quarrying is done each year through skimming or trenching methods, and material is hauled to stockpiles on the upland side of the riparian forest. The stockpile area is surrounded by berms and is well maintained.

III. Description of Anticipated Site Conditions (12 months from date of estimate)

(i.e., increase of disturbed acres, increase of depth, increases in amount of equipment and/or facilities, required corrective actions, etc.)

Largely the same as current conditions.

IV. Description/Justification of Cost Increase/Decrease

Increase in revegetation costs, as well as wage and equipment rates.

(add additional pages as needed)

V. PLANT STRUCTURES AND EQUIPMENT REMOVAL *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Current Site Condition:

There are no permanent structures located on the river bar where quarrying occurs.

Reclamation Plan Performance Standard (End Use):

Natural Resources, flood plain, and open space.

Describe tasks:

Regrade gravel bars and access roads. No equipment removal required.

Equipment on site wholly owned by operator?: (●) YES ( ) NO

(If no, please provide the name/s and contact information for any lien holder)

N/A

(add additional pages as needed)

V. PLANT STRUCTURES AND EQUIPMENT REMOVAL *(use multiple sheets as needed)*

Methods to be used:

A. Equipment – List equipment required to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
NA				0

Total Equipment Cost for this Task = $ 0

B. Labor – List all labor categories to complete identified task

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr (where applicable) (enter % of wage)	# of Hours	Cost ($)
NA				0

Total Labor Cost for this Task = $ 0

C. Demolition – List all structures and equipment to be dismantled or demolished and removed from site

Structure/Equipment to be Removed	Type of Material	Volume/ Quantity	Unit Cost Basis	Disposal Cost	Cost ($)
NA					0

Total Materials Cost for this Task = $ 0

D. Total Direct Cost of Structure and Equipment Removal (Total A+B+C)

Equipment Costs + Labor Cost + Demolition Cost = $ 0

E. Net Salvage Value* (Supported by properly prepared third party estimate, bid, or cost calculation.)

Net Salvage Value = $ 0

F. Total Cost of Structure and Equipment Removal (Subtract Line D from Line E)

Total Cost of Structure and Equipment Removal = $ 0

*NOTE: Salvage value may only be used to offset the direct cost of removing the single item for which salvage value is being claimed. Salvage value shall not be used to offset any other demolition, general cleanup, or reclamation costs.

VI. PRIMARY RECLAMATION ACTIVITY

Use multiple sheets as necessary to estimate the cost of each activity required. Provide documentation showing that rates, prices, and wages are available locally to the lead agency and/or the Department if necessary.

Current Site Conditions:

The site is a natural river bar that is partially reclaimed each year during high winter flows.

Reclamation Plan Performance Standard (End Use):

River bar habitat and open space

Describe tasks, methods, equipment, etc.*:*

Decompaction, cut, fill, haul, slope reduction, compaction, grading, topsoil placement, drainage work, soil amendments, special requirements, etc. Separate sheets may be used for each task if necessary.

Regrade gravel bar and haul roads

Provide quantities:

Overburden and topsoil, cut and fill, import or export (cubic yards), area (acres), haul distances (feet), equipment production rates (cubic yards/hour, or as applicable), etc.

N/A

(add additional pages as needed)

VI. PRIMARY RECLAMATION ACTIVITY (Regrade Gravel Bar & haul rds) *(use multiple sheets as needed)*

(Describe Reclamation Activity Being Estimated)

Acres:	NA	Overburden (cy):	
Haul Distance (ft):		Topsoil (cy):	
Production Rate (cy/hr):			

Methods to be used:

A. Equipment – List equipment required to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
D6RXL Crawler Dozer (regrade gravel bar)	HRS	126.75	7	887.23
OE4 Excavator (regrade gravel bar)	HRS	72.37	9	651.33
D6RXL Crawler Dozer (regrade haul roads)	HRS	126.75	6	760.49
D6RXL Crawler to stockpile gravel from edge of riparian	HRS	126.75	6	760.49

Total Equipment Cost for this Task = $ 3059.59

B. Labor – List all labor categories to complete identified task

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr *(where applicable) (enter % of wage)*	# of Hours	Cost ($)
Leica TS12 Total Station to survey gravel bar	186.94		6	1121.62
Office time	118.40		4	473.61

Total Labor Cost for this Task = $ 1595.23

C. Materials – List all materials required to complete identified task

Item	$/Unit	Sales tax (enter local rate in %)	Quantity	Cost ($)
				0

Total Materials Cost for this Task = $ 0

D. Total Direct Cost for this Task

Equipment Costs + Labor Cost + Materials Cost = $ 4654.82

VII. REVEGETATION *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Current Site Condition:

The gravel bar consists of exposed rock with no soil layer or vegetation. The northern edge of the gravel bar consists of sporadic alder, willow trees, and brush.

Reclamation Plan Performance Standard (End Use):

River bar habitat and open space

Describe tasks:

Plant grasses and shrub species. A Backhoe will be used to transport supplies from the stockpile area to the planting areas.

(add additional pages as needed)

VII. REVEGETATION *(use multiple sheets as needed)*

Methods to be used:

A. Equipment – List equipment required to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
Case 580 Backhoe	hrs	118.40	4	473.61

Total Equipment Cost for this Task = $ 473.61

B. Labor – List all labor categories to complete identified task.

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr *(where applicable)* (enter % of wage)	# of Hours	Cost ($)
laborer - grass seeding	49.86		8	398.88
laborer - tree and shrub planting	49.86		8	398.88

Total Labor Cost for this Task = $ 797.75

C. Materials – List all materials required to complete identified task

Item/Plant Species	Unit of measure	$/Unit	Sales tax (enter local rate in %)	Quantity	Cost ($)
mulch	YARDS	31.70	7.75	25	853.98
alder and willow seedlings	SEEDLING	2.77	7.75	50	149.29
native grass seed	LBS	1.83	7.75	200	394.40

Total Materials Cost for this Task = $ 1397.68

D. Total Direct Cost for this Task

Equipment Costs + Labor Cost + Materials Cost = $ 2669.04

VIII. MISCELLANEOUS COSTS *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Examples of this type of cost may include temporary storage of equipment and materials off site, special one-time permits (i.e. transportation permits for extra wide overweight loads, etc.), decommissioning a process mill (I.e. decontamination of equipment), disposal of warehouse inventories, well abandonment, remediation of fueling and waste oil storage sites, septic system removal, costs to prepare closure and monitoring reports, site security, preserving potable water and maintaining utilities, etc.

Item / Task	Quantity	$/Unit	Cost ($)
			0

Total Miscellaneous Costs = $ 0

IX. MONITORING COSTS

Monitoring Task	$/Visit	# of Visits/Year	# of Monitoring Years	Cost ($)
				0

Total Monitoring Costs = $ 0

X. SUMMARY OF COSTS

This section shall be used to summarize all the cost sheets in one place.

(V) Total of all Plant Structures & Equipment Removal Costs	$ 0
(VI) Total of all Primary Reclamation Activities Costs	$ 4654.82
(VII) Total of all Revegetation Costs	$ 2669.04
(VIII)Total of all Miscellaneous Costs	$ 0
(IX) Total of all Monitoring Costs	$ 0
Total of Direct Costs	$ 7323.86

XI. Supervision / Profit & Overhead / Contingencies / Mobilization

(A) Supervision (7 %)	$ 512.67
(B) Profit/Overhead (10 %)	$ 732.39
(C) Contingencies (10 %)	$ 732.39
(D) Mobilization (5 %)	$ 366.19
Total of Indirect Costs	$ 2343.64
Total of Direct and Indirect Costs	$ 9667.5
(E)Lead Agency and/or Dept. of Conservation Administrative Costs	$ 500
Total Estimated Cost of Reclamation	$ 10167.5