



STATE OF
COLORADO

Zuber - DNR, Rob <rob.zuber@state.co.us>

Updated reclamation cost estimate for Bernhardt

JC York <jcyork@j-tconsulting.com>

Wed, Jul 3, 2024 at 8:34 AM

To: "Zuber - DNR, Rob" <rob.zuber@state.co.us>

Cc: Andy Carpenter <acarpenter@wwclyde.net>

Rob –

We are good with the updated/revised estimate you provided.

Regards,

J.C.

J.C. York, P.E.

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From: Zuber - DNR, Rob <rob.zuber@state.co.us>

Sent: Monday, July 1, 2024 2:10 PM

To: JC York <jcyork@j-tconsulting.com>; Andy Carpenter <acarpenter@wwclyde.net>

Subject: Updated reclamation cost estimate for Bernhardt

Gents -

The Division updated the costs in our CIRCES software, and I re-ran the estimate for the Bernhardt Sand and Gravel Pit. Most costs went down. I also updated the slurry wall construction cost, using \$6/square foot rather than \$6.50 like I had before.

Please see the attached summary pages (there is a page 2 with the total). Let me know if you have any questions or issues with this. Also, let me know if you want to see any of the detailed costs for individual tasks.

Thanks,

Rob

Rob Zuber, P.E.

Environmental Protection Specialist

Active Mines Regulatory Program



I am working remotely and can be reached by cell at 720.601.2276.

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COST SUMMARY WORK

Task description: Cost Summary

Site: Bernhardt Sand and Gravel Pit

Permit Action: Initial RCE

Permit/Job#: M2023025

PROJECT IDENTIFICATION

Task #: 000
Date: 6/12/2024
User: RDZ

State: Colorado
County: Weld

Abbreviation: None
Filename: M025-000

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Dewatering of pit	PUMPING	1	746.53	\$73,369
02a	Haul material for banks of reservoir	TRUCK1	1	407.74	\$491,341
02b	Grade banks of reservoir	DOZER	2	127.63	\$82,465
02c	Compact banks of reservoir	COMPACT	2	90.56	\$46,342
02d	Construct riprap rundown near SW corner of pit	POSTMINING	1	725.89	\$298,061
03a	Construct slurry wall	NA	1	400.00	\$1,668,168
03b	Construct groundwater drain	NA	1	40.00	\$77,800
04a	Haul topsoil	TRUCK1	1	32.22	\$38,826
04b	Grade topsoil	DOZER	2	3.59	\$2,319
05a	Reseeding of upper banks of reservoir and corners of site	REVEGE	1	7.50	\$39,942
06a	Demo for scale house, scale (use remains for riprap channel)	DEMOLISH	1	20.00	\$1,345
07a	Mob./Demob. Equipment	MOBILIZE	1	1.50	\$3,928
<u>SUBTOTALS:</u>				2603.16	\$2,823,906

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$57,043
Performance bond:	1.05	Total =	\$29,651
Job superintendent:	707.88	Total =	\$56,114
Profit:	10.00	Total =	\$282,391
		TOTAL O & P =	\$425,198
		CONTRACT AMOUNT (direct + O & P) =	\$3,249,104

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	4.25	Total =	\$138,087
Reclamation management and/or administration:	5.00		\$162,455

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$726,240

TOTAL BOND AMOUNT (direct + indirect) = \$3,550,146