

FORM APPROVED COUNTY COUNSEL 5/14/15
 BY: GREGORY P. PRIAMOS DATE

**SUBMITTAL TO THE BOARD OF SUPERVISORS
 COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

125A



FROM: TLMA – Transportation Department

SUBMITTAL DATE:
 April 29, 2015

SUBJECT: Adoption of Resolution No. 2015-114, Modification to Financial Assurance Mechanism Required by the Surface Mining and Reclamation Act. 1st, 3rd, 4th, and 5th Districts; [\$0]

RECOMMENDED MOTION: That the Board of Supervisors:
 Approve Resolution 2015-114, which amends Resolution 97-261 that established a Pledge of Revenue to satisfy requirements of Section 2773.1 of the Public Resources Code for Financial Assurance to Reclaim Open Pit Mines.

Departmental Concurrence

BACKGROUND:

Summary

The Board of Supervisors previously established a Pledge of Revenue as a Financial Assurance Mechanism to Reclaim Surface Mining Operations, as required by the Public Resources Code for County-operated mining sites or borrow pits used by the Transportation Department for road construction and maintenance.

Patricia Romo
 Patricia Romo

Juan C. Perez
 Juan C. Perez

Assistant Director of Transportation

Director of Transportation and Land Management

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (Per Exec. Office)
COST	\$ 0	\$ 0	\$ 0	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

SOURCE OF FUNDS:

There are no General Funds used in this project.

Budget Adjustment: No
 For Fiscal Year: 14/15-15/16

C.E.O. RECOMMENDATION:

APPROVE

BY: *Tina Grande*
 Tina Grande

County Executive Office Signature

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Jeffries, seconded by Supervisor Benoit and duly carried, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Washington, Benoit and Ashley
 Nays: None
 Absent: Tavaglione
 Date: June 2, 2015
 xc: Transp.

Kecia Harper-Ihem
 Clerk of the Board
 By: *Kecia Harper-Ihem*
 Deputy

- A-30
- 4/5 Vote
- Positions Added
- Change Order

Prev. Agn. Ref.: 11/4/97, Item 3-32 | District: 1, 3, 4, 5 | Agenda Number:

3-27

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
FORM 11: Adoption of Resolution No. 2015-114, Modification to Financial Assurance Mechanism Required by the Surface Mining and Reclamation Act. 1st, 3rd, 4th, and 5th Districts; [\$0]

DATE: April 29, 2015

PAGE: 2 of 2

BACKGROUND:

Summary (continued)

The Surface Mining and Reclamation Act (SMARA) requires that the Financial Assurances be adjusted annually. The adjustments account for the new lands disturbed, inflation, and for reclamation of lands accomplished in accordance with the approved reclamation plan, PRC2773.1 (a)(3).

The original Resolution 97-261 (November 4, 1997, Item 3-32) must be modified to adjust for reclamation costs of the individual Riverside County (County) sites, as contained in the Pledge of Revenue, from \$1,098,250 to \$1,709,138. The actual reclamation costs for each mining site or borrow pit is shown in Attachment A. Resolution 2015-114 supersedes any previously approved modification to Resolution 97-261 made by Resolution 98-323, Resolution 2003-178, Resolution 2006-118, Resolution 2007-388, Resolution 2008-196, Resolution 2009-184, Resolution 2010-157, Resolution 2011-163, Resolution 2012-142, Resolution 2013-070, and Resolution 2014-110. There are no current fiscal year costs associated with the future reclamation. Future expenses would be incurred at the point the existing mining sites are closed. Currently, no estimated date is known or projected for the closure of any of the County's existing mining sites.

Project No.: ZTR9000

Impact on Residents and Businesses

N/A

SUPPLEMENTAL:

Additional Fiscal Information

N/A

Contract History and Price Reasonableness

N/A

ATTACHMENTS:

Resolution 2015-114
Attachment A

2

3 **RESOLUTION NO. 2015-114**

4 **AMENDING RESOLUTION NO. 97-261**

5 **ESTABLISHING A PLEDGE OF REVENUE**

6 **FOR RECLAMATION OF COUNTY MINED LANDS**

7

8 **WHEREAS**, the Board of Supervisors on November 4, 1997, adopted

9 Resolution No. 97-261, which established a pledge of revenue for reclaiming Riverside

10 County mined lands; and

11 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261, was

12 increased by Resolution No. 98-323 on November 11, 1998, for the reclamation of two

13 additional mining sites; and

14 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was

15 increased by Resolution No. 2003-178 on April 29, 2003, for the reclamation of two

16 additional mining sites and for the removal of two former mining sites; and

17 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was

18 increased by Resolution No. 2006-118 on August 15, 2006, for the reclamation of the

19 expansion of one current mining site; and

20 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was

21 increased by Resolution No. 2007-388 on September 4, 2007, to reflect adjustments to

22 account for new lands disturbed, inflation, and for reclamation of lands accomplished in

23 accordance with the approved reclamation plan; and

24 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was

25 increased by Resolution No. 2008-196 on June 3, 2008, to reflect adjustments to

26 account for new lands disturbed, inflation, and for reclamation of lands accomplished in

27 accordance with the approved reclamation plan; and

28

APPROVED COUNTY COUNSEL
 BY: MICHELLE CLACK
 DATE: 5/14/15

1 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was
2 increased by Resolution No. 2009-184 on June 23, 2009, to reflect adjustments to
3 account for new lands disturbed, inflation, and for reclamation of lands accomplished in
4 accordance with the approved reclamation plan; and

5 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was
6 increased by Resolution No. 2010-157 on June 8, 2010, to reflect adjustments to
7 account for new lands disturbed, inflation, and for reclamation of lands accomplished in
8 accordance with the approved reclamation plan; and

9 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was
10 increased by Resolution No. 2011-163 on June 28, 2011, to reflect adjustments to
11 account for new lands disturbed, inflation, and for reclamation of lands accomplished in
12 accordance with the approved reclamation plan; and

13 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was
14 increased by Resolution No. 2012-142 on June 26, 2012, to reflect adjustments to
15 account for new lands disturbed, inflation, and for reclamation of lands accomplished in
16 accordance with the approved reclamation plan; and

17 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was
18 increased by Resolution No. 2013-070 on April 9, 2013, to reflect adjustments to
19 account for new lands disturbed, inflation, and for reclamation of lands accomplished in
20 accordance with the approved reclamation plan; and

21 **WHEREAS**, the pledge of revenue established by Resolution No. 97-261 was
22 increased by Resolution No. 2014-110 on June 17, 2014, to reflect adjustments to
23 account for new lands disturbed, inflation, and for reclamation of lands accomplished in
24 accordance with the approved reclamation plan; and

25 **WHEREAS**, the pledge of revenue needs to be modified to reflect annual
26 adjustments to account for new lands disturbed, inflation, and for reclamation of lands
27 accomplished in accordance with the approved reclamation plan: Now, therefore;
28

1 **BE IT RESOLVED, FOUND, DETERMINED, AND ORDERED** by the Board of
2 Supervisors of the County of Riverside, State of California, in regular session
3 assembled on June 2, 2015, that:

4
5 1. Section 1 of Resolution No. 97-261 is hereby amended to read: Road
6 Fund revenue, located in an account known as Transportation Department Fund
7 20000, Department ID 3130100000 in the amount of \$1,709,138.00 is hereby
8 pledged to reclaim each mine site identified in Attachment A, dated
9 April 14, 2015, which is incorporated herein by this reference.

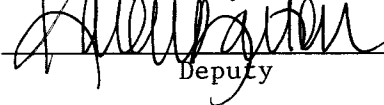
10
11 2. Attachment A to Resolution No 97-261 is hereby replaced by said
12 Attachment A, dated April 14, 2015, which is attached and incorporated herein
13 by this reference.

14
15
16
17 ROLL CALL:

18 Ayes: Jeffries, Washington, Benoit and Ashley
19 Nays: None
20 Absent: Tavaglione

21 The foregoing is certified to be a true copy of a resolution duly
22 adopted by said Board of Supervisors on the date therein set forth.

23 KECIA HARPER-IHEM, Clerk of said Board

24 By  Deputy

ATTACHMENT A
County Mining Sites
Transportation Department
April 14, 2015

Name	California Mine I.D Number	Reclamation Cost Estimates
Bradshaw Pit	91-33-0046	\$92,543.00
Brookside Materials Yard	91-33-0094	\$76,514.00
Bundy Canyon Pit	91-33-0049	\$250,641.00
East Benton Pit	91-33-0052	\$118,025.00
Juniper Flats Pit	91-33-0053	\$252,285.00
Little Lake Pit	91-33-0055	\$143,233.00
Markham Pit	91-33-0054	\$174,058.00
Midland Pit	91-33-0051	\$225,844.00
Mountain View Pit	91-33-0048	\$88,433.00
Terwilliger Pit	91-33-0047	\$90,762.00
Thermal Pit	91-33-0090	\$196,800.00
	TOTAL	\$1,709,138.00

ATTACHMENT A

Bradshaw Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0046
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 15
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
CAT 120G Grader w/operator	86.79	74.00	160.79
5-axle Low Bed Truck & Trailer w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.049

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area to a gradient no steeper than 4:1
 Regrade and finish slopes to blend with surrounding area, including
 furrowing of slopes and ripping pit floor.

Methods to be used: A CAT D-8 dozer with a ripper attachment will traverse the compacted areas to promote plant growth. A dozer and grader will grade available soil over the 15 acres.

Production Rate: 1 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	1	ea	305.65	20	6,113.03
CAT 120G Grader w/operator	1	ea	160.79	20	3,215.78
5-axle Low Bed Truck & Trailer w/driver	1	ea	184.18	8	1,473.43
Water Truck w/driver	1	ea	141.85	20	2,836.94
Task 1 Total				68	13,639.18

say 13,600

Task 2 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	2	ea	54.75	8	875.93
Water Truck w/driver	1	ea	141.85	8	1,134.78
Seed mix application	653,400	sf	0.049	na	32,016.60
Task 2 Total				24	34,907.31

say 34,900

ATTACHMENT A

Bradshaw Material Site Financial Assurance Calculations for Reclamation

California Mine I.D Number 91-33-0046

4/14/2015

Task 3 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total	
Report Preparation	4	years	120.00	32	15,360.00	
Task 3 Total				32	15,360.00	say <u>15,400</u>

SUBTOTAL 63,900

Pledge of Revenue

Subtotal						63,900
Supervision (5%)						3,195
Mobilization & Demobilization (lump sum)						5,000
Profit & Overhead (12%)						7,668
Contingency (10%)						6,390
Lead Agency Administrative Cost (10%)						6,390

Total Pledge of Revenue 92,543

ATTACHMENT A

Brookside Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0094
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 10
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
CAT 120G Grader w/operator	86.79	74.00	160.79
Water Truck w/driver	82.40	59.45	141.85
5-axle Low Bed Truck & Trailer w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.049

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area to a gradient no steeper than 3:1
 Regrade and finish slopes to blend with surrounding area, including
 furrowing of slopes and ripping pit floor. Pit floor to be graded at 1.5% slope for drainage purposes.
 Fill in drainage basin.

Methods to be used: A CAT D-8 dozer with a ripper attachment will traverse the compacted areas to promote plant growth. A dozer and grader will grade available soil over the 10 acres.
 Slopes will be graded to 3:1 ratio.

Production Rate: 1 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	1	ea	305.65	40	12,226.06
5-axle Low Bed Truck & Trailer w/driver	1	ea	184.18	8	1,473.43
Water Truck w/driver	1	ea	141.85	40	5,673.88
Task 1 Total				88	19,373.38

say 19,400

Task 2 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	2	ea	54.75	8	875.93
Water Truck w/driver	1	ea	141.85	8	1,134.78
Seed mix application	435,600	sf	0.049	na	21,344.40
Task 2 Total				24	24,235.11

say 24,200

ATTACHMENT A

Brookside Material Site Financial Assurance Calculations for Reclamation

Task 3 Monitoring

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre by broadcasting with an automatic pressure sprayer.
Mix seed into soil by dragging a chain over the area.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total	
Report Preparation	3	years	120.00	24	8,640.00	
Task 5 Total					8,640.00	say <u>8,600</u>
					SUBTOTAL	52,200

Pledge of Revenue

Subtotal						52,200
Supervision (5%)						2,610
Mobilization & Demobilization (lump sum)						5,000
Profit & Overhead (12%)						6,264
Contingency (10%)						5,220
Lead Agency Administrative Cost (10%)						5,220
Total Pledge of Revenue						<u>76,514</u>

ATTACHMENT A

Bundy Canyon Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0049
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 50
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/operator	82.40	59.45	141.85
Motor Grader w/operator	86.79	74.00	160.79
5-axle Low Bed Truck & Trailer w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.058

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area to a gradient no steeper than 2:1, fill in drainage basin, regrade and finish slopes to blend with surrounding area, including furrowing of slopes and ripping pit floor.

Methods to be used: Two (2) CAT D-8 dozers with a ripper attachments will traverse the compacted areas to promote plant growth. Dozers and a grader will grade available soil over the 50 acres. Slopes will be graded to 2:1 ratio.

Production Rate: 2 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	2	ea	305.65	30	18,339.10
Motor Grader w/operator	1	ea	160.79	30	4,823.67
5-axle Low Bed Truck & Trailer w/driver	1	ea	184.18	8	1,473.43
Water Truck w/operator	1	ea	141.85	30	4,255.41

Task 1 Total 42 28,891.60 say 28,900

Task 2 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	24	2,640.00
Laborer	2	ea	54.75	24	2,627.79
Water Truck w/operator	1	ea	141.85	24	3,404.33
Seed mix application	2,178,000	sf	0.058	na	126,324.00

Task 2 Total 72 134,996.12 say 135,000

ATTACHMENT A

Bundy Canyon Material Site Financial Assurance Calculations for Reclamation

California Mine I.D Number 91-33-0049

4/14/2015

Task 3 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total	
Report Preparation	4	years	120.00	32	15,360.00	
Task 3 Total					15,360.00	say <u>15,400</u>

SUBTOTAL 179,300

Pledge of Revenue

Subtotal						179,300
Supervision (5%)						8,965
Mobilization & Demobilization (lump sum)						5,000
Profit & Overhead (12%)						21,516
Contingency (10%)						17,930
Lead Agency Administrative Cost (10%)						17,930

Total Pledge of Revenue 250,641

ATTACHMENT A

East Benton Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0052
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 15
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
5-axle Low Bed Truck w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.058

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area to a gradient no steeper than 2:1, fill in existing drainage basins, regrade and finish slopes to blend with surrounding area, including furrowing of slopes and ripping pit floor.

Methods to be used: A CAT D-8 dozer will push material to create 2:1 slopes on any oversteepened slopes, and stockpiles will be rough graded as needed. A water truck will be available for dust control.

Production Rate: 2 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	1	ea	305.65	40	12,226.06
Low Bed Truck w/driver	1	ea	184.18	4	736.71
Water Truck w/driver	1	ea	141.85	40	5,673.88

Task 1 Total 84 18,636.66 say 18,600

Task 2 Construct Drainage Structures

Construct interceptor drain & install rip rap pads.

Labor & Equipment	Qty	Unit	Rate	Total
Interceptor Drain	1,450	LF	15.00	21,750.00
Rip Rap Pad	5	ea	1,000.00	5,000.00

Task 2 Total 26,750.00 say 26,800

Task 3 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre (9 acres net total) by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	2	ea	54.75	8	875.93
Water Truck w/driver	1	ea	141.85	8	1,134.78
Seed mix application	392,040	sf	0.058	na	22,738.32

Task 3 Total 24 25,629.03 say 25,600

ATTACHMENT A

East Benton Material Site Financial Assurance Calculations for Reclamation

California Mine I.D Number 91-33-0052

4/14/2015

Task 4 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total	
Report Preparation	4	years	120.00	24	11,520.00	
Task 4 Total					11,520.00	say <u>11,500</u>

SUBTOTAL 82,500

Pledge of Revenue

Subtotal						82,500
Supervision (5%)						4,125
Mobilization & Demobilization (lump sum)						5,000
Profit & Overhead (12%)						9,900
Contingency (10%)						8,250
Lead Agency Administrative Cost (10%)						8,250
Total Pledge of Revenue						<u>118,025</u>

ATTACHMENT A

Juniper Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0053
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 32
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
Motor Grader w/operator	86.79	74.00	160.79
5-axle Low Bed Truck w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.058

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area to a gradient no steeper than 2:1 (or 1.5:1 per reclamation plan) fill in drainage basins, regrade and finish slopes to blend with surrounding area, including furrowing of slopes and ripping pit floor.

Methods to be used: Two (2) CAT D-8 dozers with a ripper attachments will traverse the compacted areas to promote plant growth. Dozers and a grader will grade available soil over the 32 acres. Slopes will be graded to 2:1 ratio (or 1.5:1 per reclamation plan).

Production Rate: 2 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	2	ea	305.65	40	24,452.13
Motor Grader w/operator	1	ea	160.79	40	6,431.56
5-axle Low Bed Truck w/driver	1	ea	184.18	4	736.71
Water Truck w/driver	1	ea	141.85	40	5,673.88

Task 1 Total 124 37,294.28 say 37,300

Task 2 Construct Drainage Structures

Construct interceptor drain & install rip rap pads.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Interceptor Drain	2,300	LF	15.00	na	34,500.00
Rip Rap Pad	3	ea	1,000.00	na	3,000.00

Task 2 Total 37,500.00 say 37,500

Task 3 Install Fencing

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Install 4-strand barb wire fencing	7,200	LF	5.00	na	36,000.00

Task 3 Total 36,000.00 say 36,000

ATTACHMENT A

Juniper Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0053
4/14/2015

Task 4 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre (19 acres net total) by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	16	1,760.00
Laborer	2	ea	54.75	16	1,751.86
Water Truck w/driver	1	ea	141.85	16	2,269.55
Seed mix application	836,352	sf	0.058	na	48,508.42
Task 4 Total				48	54,289.83

say 54,300

Task 4 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Report Preparation	4	years	120.00	32	15,360.00
Task 4 Total					15,360.00

say 15,400

SUBTOTAL 180,500

Pledge of Revenue

Subtotal					180,500
Supervision (5%)					9,025
Mobilization & Demobilization (lump sum)					5,000
Profit & Overhead (12%)					21,660
Contingency (10%)					18,050
Lead Agency Administrative Cost (10%)					18,050

Total Pledge of Revenue 252,285

ATTACHMENT A

Little Lake Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0055
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 16
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
Low Bed Truck w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.058

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area to a gradient varying from 1.5/1 & 4:1, fill drainage basins, regrade and finish slopes to blend with surrounding area, including furrowing of slopes and ripping pit floor.

Methods to be used: A CAT D-8 dozer will push material to create slopes varying from 1.5:1 and 4:1 in accordance with the reclamation plan. Stockpiles will be rough graded as needed. A water truck will be available for dust control.

Production Rate: 1 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator		ea	305.65	40	12,226.06
Low Bed Truck w/driver		ea	184.18	4	736.71
Water Truck w/driver		ea	141.85	40	5,673.88
Task 1 Total				84	18,636.66

say 18,600

Task 2 Install Fencing

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Install 4-strand barb wire fencing	4,800	LF	5.00	42	24,000.00
				40	24,000.00

say 24,000

Task 3 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	1	ea	54.75	8	437.96
Water Truck w/driver	1	ea	141.85	8	1,134.78
Seed mix application	696,960	sf	0.058	na	40,423.68
Task 3 Total				24	42,876.42

say 42,900

ATTACHMENT A

Little Lake Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0055
4/14/2015

Task 4 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total	
Report Preparation	4	years	120.00	32	15,360.00	
Task 4 Total					15,360.00	say <u>15,400</u>

SUBTOTAL 100,900

Pledge of Revenue

Subtotal						100,900
Supervision (5%)						5,045
Mobilization & Demobilization (lump sum)						5,000
Profit & Overhead (12%)						12,108
Contingency (10%)						10,090
Lead Agency Administrative Cost (10%)						10,090

Total Bond Amount 143,233

ATTACHMENT A

Markham Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0054
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 37
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
Motor Grader w/operator	86.79	74.00	160.79
Low Bed Truck w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.058

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area using stockpiled topsoil & fill in existing drainage basins. Regrade and finish slopes to blend with surrounding area, including furrowing of slopes and ripping pit floor.

Methods to be used: A CAT D-8 dozer with a ripper attachment will traverse the compacted areas to promote plant growth. A dozer and grader will grade available soil over the 6 acres of the expanded area of the pit. Slopes will be graded to 2:1 ratio.

Production Rate: 1 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	1	ea	305.65	40	12,226.06
Motor Grader w/operator	1	ea	160.79	20	3,215.78
Low Bed Truck w/driver	1	ea	184.18	8	1,473.43
Water Truck w/driver	1	ea	141.85	40	5,673.88

Task 1 Total 108 22,589.15 say 22,600

Task 2 Construct Drainage Structures

Construct interceptor drain, down drain & install rip rap.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Interceptor Drain	1,500	LF	15.00	na	22,500.00
Down Drain	60	LF	15.00	na	900.00
Rip Rap Pad	3	ea	1,000.00	na	3,000.00

Task 2 Total 26,400.00 say 26,400

ATTACHMENT A

Markham Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0054
4/14/2015

Task 3 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre (22 net acres total) by broadcasting with an automatic pressure sprayer. Area to be hydroseeded includes both new and old sections of pit.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	2	ea	54.75	8	875.93
Water Truck w/driver	1	ea	141.85	8	1,134.78
Seed mix application	967,032	sf	0.058	na	56,087.86
Task 3 Total				24	58,978.56

say 59,000

Task 4 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Report Preparation	4	years	120.00	32	15,360.00
Task 4 Total					15,360.00

say 15,400

SUBTOTAL 123,400

Pledge of Revenue

Subtotal					123,400
Supervision (5%)					6,170
Mobilization & Demobilization (lump sum)					5,000
Profit & Overhead (12%)					14,808
Contingency (10%)					12,340
Lead Agency Administrative Cost (10%)					12,340
Total Pledge of Revenue					<u>174,058</u>

ATTACHMENT A

Midland Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0051
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 57
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
Motor Grader w/operator	86.79	74.00	160.79
Low Bed Truck w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.058

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area to a gradient no steeper than 4:1
 Regrade and finish slopes to blend with surrounding area.

Methods to be used: A CAT D-8 dozer with a ripper attachment will traverse the compacted areas to promote plant growth. A dozer and grader will grade available soil over the 15 acres.

Production Rate: 2 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	1	ea	305.65	40	12,226.06
Motor Grader w/operator	1	ea	160.79	20	3,215.78
Low Bed Truck w/driver	1	ea	184.18	8	1,473.43
Water Truck w/driver	1	ea	141.85	30	4,255.41
Task 1 Total				98	21,170.68

say 21,200

Task 2 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be dist
 of 30 pounds per acre by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	2	ea	54.75	8	875.93
Water Truck w/driver	1	ea	141.85	8	1,134.78
Seed mix application	2,482,920	sf	0.049	na	121,663.08
Task 2 Total				24	124,553.79

say 124,600

ATTACHMENT A

Midland Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0051
4/14/2015

Task 3 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total	
Report Preparation	4	years	120.00	32	15,360.00	
Task 3 Total					15,360.00	say <u>15,400</u>

SUBTOTAL 161,200

Pledge of Revenue

Subtotal						161,200
Supervision (5%)						8,060
Mobilization & Demobilization (lump sum)						5,000
Profit & Overhead (12%)						19,344
Contingency (10%)						16,120
Lead Agency Administrative Cost (10%)						16,120
						Total Pledge of Revenue <u>225,844</u>

ATTACHMENT A

Mountain View Road Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0048

4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 7
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
Low Bed Truck w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.058

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour area to a gradient no steeper than 2:1 & and finish slopes to blend with surrounding area.

Methods to be used: A CAT D-8 dozer will push material to create 2:1 slopes on any oversteepened slopes, and stockpiles will be rough graded as needed. A water truck will be available for dust control.

Production Rate: 2 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	1	ea	305.65	8	2,445.21
Low Bed Truck w/driver	1	ea	184.18	4	736.71
Water Truck w/driver	1	ea	141.85	8	1,134.78
Task 1 Total				20	4,316.70

say 4,300

Task 2 Construct Drainage Structures

Construct interceptor drain & install rip rap pads.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Interceptor Drain	1,500	LF	15.00	42	22,500.00
Rip Rap Pad	2	ea	1,000.00	40	2,000.00
Task 2 Total				82	24,500.00

say 24,500

Task 3 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	2	ea	54.75	8	875.93
Water Truck w/driver	1	ea	141.85	8	1,134.78
Seed mix application	304,920	sf	0.058	na	17,685.36
Task 3 Total				24	20,576.07

say 20,600

ATTACHMENT A

Mountain View Road Material Site Financial Assurance Calculations for Reclamation

California Mine I.D Number 91-33-0048

4/14/2015

Task 4 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Report Preparation	4	years	120.00	24	11,520.00
Task 4 Total					11,520.00

say 11,500

SUBTOTAL 60,900

Pledge of Revenue

Subtotal						60,900
Supervision (5%)						3,045
Mobilization & Demobilization (lump sum)						5,000
Profit & Overhead (12%)						7,308
Contingency (10%)						6,090
Lead Agency Administrative Cost (10%)						6,090

Total Pledge of Revenue 88,433

ATTACHMENT A

Terwilliger Road Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0047
4/14/2015

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 9
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 42)

Unit Costs for Labor & Equipment & Materials	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
Motor Grader w/operator	86.79	74.00	160.79
Low Bed Truck w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.058

I. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Regrade and recontour slopes to a gradient between 1.5:1 and 2:1, regrade and finish slopes, fill drainage basin, furrowing slopes and ripping pit floor.

Methods to be used: A CAT D-8 dozer with a ripper attachment will traverse the compacted areas to promote plant growth. A dozer and grader will grade available soil over the 9 acres. Slopes will be graded to between 1.5:1 and 2:1 in accordance with the reclamation plan.

Production Rate: 1 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	1	ea	305.65	30	9,169.55
Motor Grader w/operator	1	ea	160.79	30	4,823.67
Low Bed Truck w/driver	1	ea	184.18	4	736.71
Water Truck w/driver	1	ea	141.85	30	4,255.41
Task 1 Total				94	18,985.34

say 19,000

Task 2 Construct Drainage Structures

Construct interceptor drain, down drain & install rip rap.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Interceptor Drain	200	LF	15.00	na	3,000.00
Down Drain	10	LF	15.00	na	150.00
Rip Rap Pad	1	ea	1,000.00	na	1,000.00
Task 2 Total					4,150.00

say 4,200

ATTACHMENT A

Terwilliger Road Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0047
4/14/2015

Task 3 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total		
Foreman	1	ea	110.00	2	220.00		
Laborer	2	ea	54.75	4	437.96		
Water Truck w/driver	1	ea	141.85	4	567.39		
Seed mix application	392,040	sf	0.058	na	22,738.32		
Task 3 Total	0			10	23,963.67	say	24,000

Task 4 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total		
Report Preparation	4	years	120.00	32	15,360.00		
Task 4 Total					15,360.00	say	<u>15,400</u>

SUBTOTAL 62,600

Pledge of Revenue

Subtotal							62,600
Supervision (5%)							3,130
Mobilization & Demobilization (lump sum)							5,000
Profit & Overhead (12%)							7,512
Contingency (10%)							6,260
Lead Agency Administrative Cost (10%)							6,260
Total Pledge of Revenue							<u>90,762</u>

ATTACHMENT A

New Thermal Canyon Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0090
4/21/2014

This cost estimate is based on the following assumptions:

- 1) The existing amount of disturbance (acres) = 32
- 2) Slopes will be recontoured and graded to blend with the surrounding area.
- 3) The finished slopes and floor of the material site will be furrowed to retain rainfall and seeds to promote revegetation.
- 4) The finished slopes and floor of the site will be reseeded by pressure spraying with a seed mix of plants native to the area.
- 5) Labor & equipment rates were based on current general prevailing wage rates issued by California Department of Industrial Relations, and Caltrans Labor Surcharge and Equipment Rental Rates for 2015.
- 6) Production rates were obtained from the Caterpillar Performance Handbook (Edition 34)

I. Unit costs for equipment, material and labor to be used for reclamation:
(equipment hourly rate includes driver/operator)

	Hourly Rate		
	Equipment	Labor	Total
D-8R Dozer w/operator	231.98	73.67	305.65
Water Truck w/driver	82.40	59.45	141.85
Motor Grader w/operator	86.79	74.00	160.79
Low Bed Truck w/driver	124.73	59.45	184.18
Foreman		110.00	110.00
Laborer		54.75	54.75
Seed Mix @ \$/sf			0.056

II. Reclamation Tasks

Task 1 Regrade & Finish Slopes

Task description: Regrade and recontour slopes to a gradient no steeper than 4:1. Grade pit floor to 2% grade.

Methods to be used: Two (2) CAT D-8 dozers with a ripper attachment will traverse the compacted areas to promote plant growth. A dozer and grader will grade available soil over the 32 acres.

Production Rate: 2 acres/hour

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
D-8R Dozer w/operator	2	ea	305.65	42	25,674.73
Motor Grader w/operator	1	ea	160.79	40	6,431.56
Low Bed Truck w/driver	1	ea	184.18	8	1,473.43
Water Truck w/driver	1	ea	141.85	40	5,673.88

Task 1 Total 130 39,253.60 say 39,300

Task 2 Remove Structure in Compound Area

Disassemble wooden building within compound area.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	2	ea	54.75	8	875.93
Remove Concrete Foundation	1	ea	2,500.00	na	2,500.00

Task 2 Total 4,255.93 say 4,300

ATTACHMENT A

New Thermal Canyon Material Site Financial Assurance Calculations for Reclamation
California Mine I.D Number 91-33-0090
4/21/2014

Task 3 Broadcast Seeding

Distribute native plant mix over finished slopes and mine floor. Seed mix will be distributed at a rate of 30 pounds per acre by broadcasting with an automatic pressure sprayer.

Labor & Equipment	Qty	Unit	Rate	Hrs	Total
Foreman	1	ea	110.00	8	880.00
Laborer	2	ea	54.75	8	875.93
Water Truck w/driver	1	ea	141.85	8	1,134.78
Seed mix application	1,393,920	sf	0.056	na	78,059.52
Task 4 Total	0			24	80,950.23

say 81,000

Task 3 Monitoring

Perform a field investigation of the site each spring to monitor revegetation. Monitoring will take place for up to four years following reclamation to verify the success standards are being met.

Labor & Equipment	Qty	Unit	Rate	No. Hrs	Total
Report Preparation	4	years	120.00	32	15,360.00
Task 5 Total					15,360.00

say 15,400

SUBTOTAL 140,000

Pledge of Revenue

Subtotal						140,000
Supervision (5%)						7,000
Mobilization & Demobilization (lump sum)						5,000
Profit & Overhead (included in Hrly rates for Labor & Equipment)						16,800
Contingency (10%)						14,000
Lead Agency Administrative Cost (10%)						14,000
Total Pledge of Revenue						<u>196,800</u>

MEMORIAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

4217



FROM: TLMA/Transportation
Department

SUBMITTAL DATE: October 24, 1997


SUBJECT: Establishment of Financial Assurance Mechanism to Comply
with the Surface Mining and Reclamation Act (SMARA).

RECOMMENDED MOTION: That the Board of Supervisors approve Resolution No. 97-261,
Establishing Pledge of Revenue to Satisfy Requirements of Section 2773.1 Public Resources
Code for Financial Assurance to Reclaim Open Pit Mines.

BACKGROUND: The Establishment of a Financial Assurance Mechanism to Reclaim Surface
Mining Operations is required by the Public Resources Code prior to the issuance of operating
permits at ten (10) County-operated mining sites or borrow pits used by the Transportation
Department for road construction and maintenance.

At one time, it appeared that public agencies would be exempt from financial assurance, thus
the Department delayed the preparation of the attached documentation. Unfortunately, no
exemption will be allowed and the County has to establish a financial assurance mechanism
prior to January 1, 1998.

DEB:JA:sa


David E. Barnhart
Director of Transportation

FINANCIAL DATA:

CURRENT YEAR COST

\$

ANNUAL COST \$

NET COUNTY COST

\$

IN CURRENT YEAR BUDGET: YES/ NO/

BUDGET ADJUSTMENT: YES/ NO/ FOR FY:

SOURCE OF FUNDS: Road Funds

Policy
 Policy

C.E.O. RECOMMENDATION: **APPROVE**

County Executive Officer Signature



MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Tavaglione, seconded by Supervisor Venable and duly carried by
unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Buster, Tavaglione, Venable, Wilson and Mullen

Noes: None

Absent: None

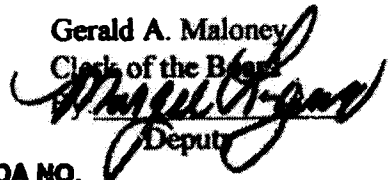
Date: November 4, 1997

xc: TLMA, Co.Co.

Prev. Agn. ref.

Dist. All Districts

Gerald A. Maloney
Clerk of the Board


Deputy

AGENDA NO.

Consent
 Consent

Department Recommendation:
Per Executive Office:

BOARD OF SUPERVISORS

COUNTY OF RIVERSIDE

**RESOLUTION NO. 97-261
ESTABLISHING A PLEDGE OF REVENUE
FOR RECLAMATION OF COUNTY MINED LANDS**

WHEREAS, the Surface Mining and Reclamation Act of 1975 is set forth in Public Resources Code Sections 2710 et seq.; and

WHEREAS, the regulations implementing the Surface Mining and Reclamation Act of 1975 are set forth in Title 14 California Code of Regulations Sections 3500 et seq.; and

WHEREAS, the Riverside County Transportation Department currently operates ten surface mining operations within the County of Riverside; and

WHEREAS, Public Resources Code Section 2773.1 requires an operator of a surface mining operation to obtain approved financial assurances to ensure that the surface mining operation will be reclaimed in accordance with an approved reclamation plan; and

WHEREAS, Title 14 California Code of Regulations Section 3803(b) provides that financial assurances may take the form of a Pledge of Revenue determined to be adequate to perform reclamation in accordance with the approved reclamation plan; and

WHEREAS, Title 14 California Code of Regulations Section 3806.1 mandates that the Pledge of Revenue consist of a resolution or other appropriate document; and

WHEREAS, Title 14 California Code of Regulations Section 3806.1(c) allows the County to pledge certain types of guaranteed revenues.

NOW THEREFORE, BE IT RESOLVED, FOUND, DETERMINED, AND ORDERED by the Board of Supervisors of the County of Riverside, State of California, in regular session assembled on November 4, 1997 that:

1. Road fund revenue, located in an account known as Transportation Department #44, Fund 183, Organization #300, in the amount of \$183,401.00 is hereby pledged to reclaim each mine site identified in Attachment A which is incorporated herein by this reference.

2. The amount of road fund revenue pledged is determined to be necessary to reclaim each mine site identified in Attachment A in accordance with the approved reclamation plans for these sites.

WILLIAM C. KATZENSTEIN, COUNTY COUNSEL
3535 TENTH STREET, SUITE 300
RIVERSIDE, CA 92501-3674

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3. The road fund revenue pledged shall be available until such time as each mine site is reclaimed. The amount of the pledged revenue shall decrease proportionately by the reclamation cost estimate set forth in Attachment A upon completion of reclamation of each mine site. For example, the total amount pledged shall decrease by \$18,219.00 upon completion of reclamation of the Beaumont Pit site and so on.

4. The County or the California Department of Conservation is authorized to use these funds to complete the reclamation of the mining sites if the Transportation Department fails to complete the reclamation covered by the pledge.

5. If the Transportation Department ceases at any time to retain control of its ability to allocate any pledge of revenue to conduct and complete reclamation, the Department shall notify the California Department of Conservation and shall obtain alternative coverage within sixty days after control lapses.

6. This resolution shall remain in effect until such time as all of the mine sites identified in Attachment A have been reclaimed unless alternative financial assurances are approved by the California Department of Conservation.

ROLL CALL:
Ayes: Buster, Tavaglione, Venable, Wilson and Mullen
Noes: None
Absent: None

re:resolution97-261.smr 102397

ATTACHMENT A
County Mining Sites
Transportation Department

Name	California Mine I.D. Number	1997 Reclamation Cost Estimates
Beaumont Pit	91-33-0056	\$18,219.00
Bradshaw Pit	91-33-0046	\$24,384.00
Bundy Canyon Pit	91-33-0049	\$20,866.00
East Benton Pit	91-33-0052	\$16,776.00
Juniper Flats Pit	91-33-0053	\$23,194.00
Little Lake Pit	91-33-0055	\$16,752.00
Markham Pit	91-33-0054	\$21,634.00
Mecca Pit	91-33-0057	\$14,472.00
Mountain View Pit	91-33-0048	\$14,482.00
Terwilliger Borrow Pit	91-33-0047	\$12,622.00
	TOTAL	\$183,401.00