

1200 1206 COMSTOCK

March 28, 1975

Mr. Ian E. Kelly
Professional Investment Management
725 Delmar
Reno, Nevada 89502

SUBJECT SIX MILE QUARRY, and/or PLACER, Office Report.

There were portions of two reports in the Six Mile Quarry Products file, and these are the basis for this office report. One report is by John Uhalde (dated June 5, 1972), and the other is by Jance H. Wren (dated March 19, 1962).

Both of these reports base their placer gold values on work by Clyed Collins and Gus Becker. These men, reportedly, sank seven shafts from 60 to 90 feet deep and obtained an average for the placer of \$0.47 per yard, based on gold at \$35.00 per ounce. At \$170.00 per ounce for gold the value per yard would be \$2.21. If there is appreciable silver alloyed with the gold, and this is probable, the value would be lower. Uhalde says that nine other drill holes have been placed by Six Mile Quarry, for review, and show economic potential..

Although placer gold is undoubtedly present on the Six Mile Quarry ground extensive exploration and testing will have to be done before the property can be evaluated as a placer.

Wren says that the material, in the Six Mile Placer ground, is not suitable for an aggregate product.

Uhalde says that of 70,000 tons of bank run material produced. "approximately 46,000 tons of rock products have been crushed and dry screened and used by the construction industry".

It appears that there is the possibility of producing a marketable rock product: possibly of doubtful quality.

The fragmental data at hand indicates that there might be an economical placer potential in this area. Further testing, equivalent to that already done, would be needed in order to reach a preliminary judgment as to the advisability of entering an extensive placer expansion project.

Considering that at least a minimum of 20 drill holes, averaging 50 feet in depth, and costing from \$10.00 to \$20.00 per foot for supervision, drilling, sampling, assaying, and locating, would be necessary for a preliminary placer examination project, the cost would be from \$10,000 to \$20,000. If such a program gave favorable results then you would have to plan on beginning to spend money.

The quality and quantity of aggregate that could be produced, either with or without a placer mining operation, would need a thorough study. Aggregate testing for quality and quantity would undoubtedly cost \$1000.00 or more.

As an alternative to testing the ground for placer values would depend upon determining if the aggregate could be produced profitably. If this were the case suitable gold traps could be placed in the aggregate screening and washing plant circuit. If, after a reasonable period of operation it is found that consistent and economical quantities of gold are being recovered, a decision would then have to be made whether or not to spend the money to properly evaluate the Six Mile Quarry and/or Placer property, to determine its placer gold potential.

J. McLaren Forbes

ERNST MUENCH

**CAPITAL
MINING AND MINERALS CORP.**

860 Armory Lane
Carson City, Nevada 89701

Phone
(702) 882-2093

PRODUCERS OF NON-FERROUS CONCENTRATES
GOLD SILVER PLATINUM MERCURY
RESIDUES
SOLUTIONS
CONSULTING — MINESAMPLING —
PLANT DESIGN — FLOW SHEET —
BLACK SAND TREATED —
ORE EXAMINATION & TESTING

2 1/2 Cruched
To 1/4 mesh

#2 North
#3 m middlings 6 mile

+ add 5
to
gravel

#1 6 mile
5 pit

GREYHOUND BUSBILL Co. _____		61175136 0		FORWARDING AGENT B	
DESTINATION STATION STAN FRANCISCO		STATE CA			
CONSIGNEE Metallogics / L.A. B. 813-875		PHONE 813-875		MO. 12 DAY 18 YEAR 75 TIME 3:35 A. M. P. M.	
STREET ADDRESS 1145 Howard St		DECL. VALUE \$ 300.00 ACTUAL WT. 31 LBS. TARIFF WT. 31 LBS.		EXPRESS CHARGES \$ 0.35	
NO. OF PIECES 1 ENV. <input checked="" type="checkbox"/> SACK <input type="checkbox"/> BGGE. <input type="checkbox"/> CTN. <input type="checkbox"/> OTHER: ORR STAIN		CONSIGNEE NOTIFIED MO. 12 DAY 18 YEAR 75 TIME 3:35 A. M. P. M.		CHARGES ADVANCED \$	
CONTENTS ORR STAIN		DO NOT WRITE IN THIS SPACE ROUTING INSERT EACH COMPANY'S ABBREVIATION AND JUNCTION POINT ON LINES BELOW COMPANY RENO TO RENO		PICK UP CHARGES \$	
DIMENSIONAL WEIGHT INFORMATION X X = CU. IN. 31				DELIVERY CHARGES \$	
SHIPPER'S NAME J. M. LARSON FORBES		SUB TOTAL \$ 0.35		VALUE CHARGES \$	
STREET ADDRESS Chas. S. Hing Co. 2275 N. Union		STATE TAX \$		TOTAL PREPAID \$ 5.35	
ORIGIN CITY & STATE RENO, NEVADA					

(NOT NEGOTIABLE) SUBJECT TO TARIFF REGULATIONS LIABILITY: The carrier will not pay over \$50.00 for any shipment of 100 pounds or less, or 50¢ per pound actual weight for any shipment in excess of 100 pounds, unless a greater value is declared and charges for such greater value paid. Maximum valuation any one shipment is

1 SHIPPER'S RECEIPT
FORM O-17R (5-70) PRINTED IN U. S. A.

PREPAID

NO.

DATE

AMOUNT

BUSINESS		PERSONAL		PERSONAL	
G.T.		B.F.		G.T.	
01					
B0					
EN					
T0					
4					
B0					
TOTAL		107			

~~2 1/2~~ crushed
1/2"
to - 1/4 mesh.

Ins part crushed
+ soft to
plant.

over size to
gravel

all to 80 mesh
+ leach.

032-021
May, 1970

STATE OF NEVADA
DEPARTMENT OF HIGHWAYS
MATERIALS AND TESTING DIVISION
BITUMINOUS MIX DESIGN

Date Reported 3-31-71
Lab. No. BF-48-71 (Base)
Date Sampled 3-22-71
Date Rec'd 3-22-71
Checked by LQ, RH
Sheet 1 of 2 (D.G. & 3/4" Base)

Material Decomposed Granite & 3/4" Rock
Specification Reference Sec. 705 Special Provisions & Nevada Standard Specifications
Sampled by Allen Spoon & L. Quilici
Source of Sample Stockpiles @ Plant @ (Pit CC-01-1 @ 395 & 50)

Quantity Represented 5,500 tons
☐ Pit Sample ☒ Sample From Stockpile-Producer Commercial Asphalt

GRADING TESTS (Wash Method)

Sieve Size	D.G. (67%)	3/4" Rock (33%)	Blend	Specs.
3"				
2"				
1 1/2"				
1"				
3/4"		100	100	100
1/2"		88	96	90-100
3/8"	100	53	85	
No. 4	97	14	70	40-70
No. 10	88	5	61	
No. 16	80	5	55	
No. 40	57	5	40	
No. 50	48	5	34	
No. 100	29	5	21	
No. 200	16	1	11	3-12

Theoretical (C.K.E.) Roadmix 6.4 Plantmix 6.4

STABILITY TESTS

Bitumen Ratio	6.0	6.5	7.0	7.5	7.0	
Hveem Value	39	35	36	35		30 min.
% Air Voids	9.9	8.3	7.4	7.0		
M.V.S. Value					29	

REMARKS For this blended sample (67% D.G. with 33% 3/4" Rock by wt.). Laboratory tests indicate a bitumen ratio of 7.5 with 200-300 Pen A.C. (for Base). The material in the stockpile as of 3-22-71 meets the requirements for Plantmix Base and Surface Aggregates.

This aggregate does not meet specifications for Plantmix Bituminous Open-Grade Surface, and is not acceptable.

DISTRIBUTION:

- 1 District Engr.
- 2 Resident Engr.
- 1 Construction Engr., Attn. Bill Marsh
- 1 Headquarters
- 1 Lab. Files
- 1 Collins
- 1 Harker

J. M. DESMOND, Chief Materials and Testing Engineer ✓

By James C. Hodge

Cont. or E.A. No. 1376
Control Sec. CC-002

Job Description On US 395 from the Jct. with US Hwy. 50 N. to Stewart St.

Contractor Nevada Paving, Inc.

Project F-002-1(33)

Type Asphalt 200-300

LABORATORY MIX DESIGN BITUMEN RATIO

Dense Graded 7.5 (Base)
Open Graded
Roadmix
Gals./cy.yd. in W/R
Specific Gravity 2.65
Surface Area, sq.ft. per lb. 56.24
Los Angeles Abrasion
Test: Percent Loss @ Specs.
100 Revolutions
500 Revolutions 26.6% 45% max.
Degradation 3/4"
% Passing No. 20 19.7 25.0% max.
Height Inches 3.2 2.5 max.
Liquid Limit 20
Plasticity Index NP
Frac. Face Count
Strip Test
No Strip
Swell Test 0.000" 0.030" max.

STATE OF NEVADA
DEPARTMENT OF HIGHWAYS
MATERIALS AND TESTING DIVISION
BITUMINOUS MIX DESIGN

3-31-71
F-48-71 (Surface)
Sampled 3-22-71
Rec'd 3-22-71
Checked by LO, RH
Sheet 2 of 2 (Plantmix Surface)

Material 1" Surface Plantmix Aggregate
Specification Reference Sec. 705 Special Provisions &
Nevada Standard Specifications
Sampled by Allen Spoon & L. Quilici
Source of Sample Stockpile @ Plant @ (Pit CC-01-1 @ 395 & 50)
(From *Boards Ranch Property 6 Mi. E. of Prater*)
Quantity Represented 12,500 Tons
☐ Pit Sample ☒ Sample From Stockpile - Producer Commercial
Asphalt

GRADING TESTS (Wash Method)

Percent by Weight Passing Sieve *

Sieve Size	As Rec'd	Adjusted	Specs.
3"			
2"			
1½"			
1"	100	100	100
¾"	89	90	90-100
½"	73	76	
¾"	60	64	55-85
No. 4	39	45	40-70
No. 10	29	34	
No. 16	24	28	15-40
No. 40	16	18	
No. 50	13	15	
No. 100	9	10	
No. 200	6	7	3-9

Theoretical (C.K.E.) Roadmix Plantmix 6.2

STABILITY TESTS

Bitumen Ratio	6.0	6.5	7.0	7.5	6.5
Hveem Value	52	46	46	37	
% Air Voids	6.7	5.0	4.3	3.1	
M.V.S. Value					42

REMARKS For this sample with above *Adjusted grading, laboratory tests indicate a Bitumen Ratio of 7.0 with 200-300 Pen A.C. The material in the Stockpile as of 3-22-71 meets the requirements for Plantmix Bituminous Base and Surface Aggregate.

This Aggregate does not meet specifications for Plantmix Bituminous Open-Graded Surface, and is not acceptable.

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1 Construction Engr., Attn. Bill Marsh
1 Headquarters
1 Lab. Files
1 Collins
2 Harker

Cont. or E.A. No. 1376
Control Sec. CC-002

Job Description On US 395 from the Jct.
with US Hwy. 50 N. to Stewart St.

Contractor Nevada Paving, Inc.

Project F-002-1(33)

Type Asphalt 200-300

LABORATORY MIX DESIGN BITUMEN RATIO

Dense Graded 7.0
Open Graded
Roadmix
Gals./cy.yd. in W/R
Specific Gravity 2.58
Surface Area, sq.ft. per lb. 30.72
Los Angeles Abrasion
Test: Percent Loss @
100 Revolutions
500 Revolutions 31.9 45 max.
Degradation
% Passing No. 20 23.38 25.0% max.
Height Inches 7.6 2.5 max.
Liquid Limit 24
Plasticity Index NP
Frac. Face Count
Strip Test
No Strip
Swell Test 0.008" 0.030" max.

J. M. DESMOND, Chief Materials and Testing Engineer

By *James C. Hodge*

CHEMISTS • ASSAYERS • SPECTROGRAPHERS

AREA CODE 415 863-8575

Submitted by

Date December 23, 1975

Sample of Minerals

Lab. No. 2264 1-3

METALLURGICAL LABORATORIES, INC.

By Robert A. Atwood

METALLURGICAL LABORATORIES, INC.

CHEMISTS • ASSAYERS • SPECTROGRAPHERS

1142 HOWARD STREET • SAN FRANCISCO, CALIFORNIA 94103 • AREA CODE 415 863-8575

J. McLaren Forbes
2275 Mueller Drive
Reno, Nevada 89502

Date December 23, 1975

P.O. No.

INVOICE

LAB. NO.	SAMPLE MARK	
2264 1-3	#1 - S #2 - N #3 - M	Gold and Silver Assays as Requested \$27.00
		<i>FNB Consult # 61.4 12-30-75</i>

4101

MET. LAB. FORM 18

TERMS: NET CASH WITHIN 30 DAYS FROM DATE OF INVOICE.

OVERDUE BALANCES SUBJECT TO A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUM).

FOR PROPER CREDIT TO YOUR ACCOUNT, PLEASE RETURN A COPY OF THE INVOICE WITH YOUR PAYMENT.

12-19-75

(Herado Perim)

Bob Spetker says gravel
met steel specks.

Cliff Mankins

2232 Darla Way

Carson City

882-2689

34741

34639

102

CHEMISTS • ASSAYERS • SPECTROGRAPHERS

AREA CODE 415 863-8575

Submitted by

Date December 23, 1975

Sample of Minerals

Lab. No. 2264 1-3

METALLURGICAL LABORATORIES, INC.

B

SAN FRANCISCO, CALIFORNIA 94103

AREA CODE 415 863-8575

Submitted by

J. McLaren Forbes
2275 Mueller Drive
Reno, Nevada 89502

Date December 23, 1975

Sample of Minerals

P. O. No.

Lab. No. 2264 1-3

METALLURGICAL LABORATORIES, INC.

By John A. Peterson