



WOOD RODGERS

December 7, 2015
Project No. 2892.040

Mr. Rick Joy
JOY ENGINEERING
81822 State Route 70
Beckwourth, California 96129

RE: Blasted Rock Quarry –Class 2 Aggregate Base Course

Dear Mr. Joy:

Per your request, we have performed testing on the Class 2, aggregate base course delivered to our laboratory from the Blasted Rock Quarry. Test results in comparison with section 26 of the 2010 CalTrans Standard specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)		
U.S. Standard Sieve Size	Percent By Weight Passing	
	Blasted Rock Quarry	CalTrans Specifications
1 Inch	100	100
¾ Inch	100	87 – 100
½ Inch	90	–
¾ Inch	76	–
No. 4	48	30 – 65
No. 16	24	–
No. 30	19	5 – 35
No. 40	17	–
No. 100	12	–
No. 200	9.5	0 – 12

Durability Index (CALTRANS CT 229)	
Blasted Rock Quarry	CalTrans Specifications
49	35 Minimum

Sand Equivalent (CT 217)	
Blasted Rock Quarry	CalTrans Specifications
33	22 Minimum

R-Value (CT 301)	
Blasted Rock Quarry	CalTrans Specifications
80	78 Minimum

Atterberg Limits (ASTM D4318)		
	Blasted Rock Quarry	CalTrans Specifications
Liquid Limit	No Value	No Specifications
Plasticity Index	Non Plastic	No Specifications

Mr. Rick Joy
JOY ENGINEERING
December 7, 2015
Page 2

Moisture Density (ASTM D1557C)	
Maximum Dry Density	126.1 PCF
Optimum Moisture	8.7%


We appreciate the opportunity to provide our laboratory testing services. If you have any questions or require further information, please do not hesitate to call.

Sincerely,

Wood Rodgers, Incorporated



Brian Clark, PE
Laboratory Manager
RE Number 23118
Expires: 12-31-16



Blake D. Carter,
Engineer II
RE Number C82175
Expires 03-31-2016



BTC:MJS:da