

August 6, 2015
 Project No. 2892.040

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

RE: Sloat Pit – ¾-Inch X No. 8 Concrete Aggregate

Dear Mr. Joy:

Per your request, we have performed aggregate quality testing on the concrete aggregate received by our laboratory from the Sloat Pit. Test results in comparison with Caltrans specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)			
U.S. Standard Sieve Size	Percent By Weight Passing		
	¾ Inch X No. 8	X-Value	Caltrans Operating Range Specifications Section 90-1.02C
½ Inch	100	–	100
¾ Inch	100	100	85 – 100
No. 4	11	–	0 – 18
No. 8	4	–	0 – 7
No. 200	2.6	–	–

Clay Lumps and Friable Particles (ASTM C142)	
Percent of Total Sample	Caltrans Specification
0.1%	N/A

Coal and Lignite (ASTM C123)	
Percent of Total Sample	Caltrans Specification
0.0%	N/A

Los Angeles Abrasion (CT211)	
Percentage Loss After 100 Revolutions ¾-Inch x No. 8 (Grading C)	Caltrans Specification
4.9%	N/A
Percentage Loss After 500 Revolutions ¾-Inch x No. 8 (Grading C)	
22.0%	45% Maximum

Cleaness Value (CT227)	
Coarse Aggregate Sample	Caltrans Specification
94	75 Minimum

Mr. Rick Joy
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August 6, 2015
Page 2

Sodium Sulfate Soundness (CT214)	
Weighted Percentage Loss	Caltrans Specification
8.8%	10% Maximum

Unit Weight (CT212)	
Dry Rodded Unit Weight	90.3 PCF
Dry Loose Unit Weight	79.3 PCF

Specific Gravity and Absorption (CT206)	
Bulk Specific Gravity (SSD Basis)	2.61
Absorption	4.1%

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 T. Clark, PE
Laboratory Manager

Mischelle J. Smith, PE
Associate
GE Number 2892
Expires 03/31/2017



BTC:MJS:da