

6980 Sierra Center Parkway, Suite 90  
Reno, NV 89511

August 2, 2011  
File: 1009

Mr. Chris Benna  
**RILITE AGGREGATES**  
3025 Mill Street  
Reno, NV 89502

**RE: Rilite Pit No. 57 Concrete Aggregate**

Dear Mr. Benna:

Per your request, we have performed aggregate quality testing on the aggregates delivered to our laboratory from the Rilite Pit. Test results in comparison with ASTM C33 and NDOT specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)		
U.S. Standard Sieve Size	Percent By Weight Passing	
	Rilite Pit	ASTM C33/NDOT Specification
1½ Inch	100	100
1 Inch	100	95 - 100
¾ Inch	78	-
½ Inch	36	25 - 60
⅜ Inch	16	-
No. 4	2	0 - 10
No. 8	2	0 - 5
No. 200	0.8	0 - 1.0

Clay Lumps and Friable Particles (ASTM C142)	
Percent of Total Sample	ASTM C33 Specification
0.1%	2.0% Maximum

Clay Lumps (Nev. T490)	
Percent of Total Sample	NDOT Specification
0.1%	0.3% Maximum

Coal and Lignite (ASTM C123)	
Percent of Total Sample	ASTM C33 Specification
0.0%	0.5% Maximum

Lightweight Particles/Chert (ASTM C123)	
Weighted Percentage	ASTM C33 Specification
2.8%	3.0% Maximum

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 August 2, 2011  
 Page 2

Los Angeles Abrasion (ASTM C131)	
Percentage Loss After 100 Revolutions No. 57 Stone (Grading B)	NDOT Specifications
6.9%	10% Maximum
Percentage Loss After 500 Revolutions No. 57 Stone (Grading B)	ASTM C33/NDOT Specifications
28.4%	50% Maximum

Cleanness Value (Nev. T228)	
Coarse Aggregate Sample	NDOT Specification
91	71 Minimum

Sodium Sulfate Soundness (ASTM C88/Nev. T470)	
Weighted Percentage Loss	ASTM C33/NDOT Specification
6.9%	12% Maximum

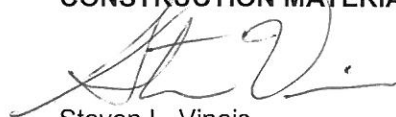
Unit Weight (ASTM C29)	
Dry Rodded Unit Weight	79.0 PCF
Dry Loose Unit Weight	77.1 PCF

Specific Gravity and Absorption (ASTM C127)	
Bulk Specific Gravity (SSD Basis)	2.19
Absorption	5.0%

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

Sincerely,

**CONSTRUCTION MATERIALS ENGINEERS, INC.**



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