

6980 Sierra Center Parkway, Suite 90  
Reno, NV 89511

February 3, 2010  
File: 1009

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

**RE: Rilite Pit No. 67 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
1 Inch	100	100
¾ Inch	91	90 - 100
½ Inch	60	-
⅜ Inch	39	20 - 55
No. 4	6	0 - 10
No. 8	2	0 - 5
No. 200	1.0	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
0.5%	3.0% Maximum



Mr. Chris Benna  
**RILITE AGGREGATES**  
 February 3, 2010  
 Page 2

Los Angeles Abrasion (ASTM C131)	
Percentage Loss After 100 Revolutions No. 67 Stone (Grading B)	NDOT Specifications
10.1%	10% Maximum
Percentage Loss After 500 Revolutions No. 67 Stone (Grading B)	ASTM C33/NDOT Specifications
37.2%	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
3.8%	12% Maximum


Unit Weight (ASTM C29)	
Dry Rodded Unit Weight	82.9 PCF
Dry Loose Unit Weight	73.0 PCF

Specific Gravity and Absorption (ASTM C127)	
Bulk Specific Gravity (SSD Basis)	2.30
Absorption	4.7%

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.**



Steven L. Vineis  
 Laboratory Manager  
[svineis@cme-corp.com](mailto:svineis@cme-corp.com)  
 Direct: 775-737-7568  
 Direct Fax: 775-737-7605  
 Mobile: 775-772-9921



Jon A. Del Santo  
 Project Manager  
 RE Number 17094  
 Expiration Date 2-3-10  
[jdelsto@cme-corp.com](mailto:jdelsto@cme-corp.com)  
 Direct: 775-737-7564  
 Direct Fax: 775-737-7602  
 Mobile: 775-846-4399

