

# BOWSER-MORNER, INC.

Delivery Address: 4518 Taylorsville Road Dayton, Ohio 45424 Mailing Address: P.O. Box 51 Dayton, Ohio 45401  
AASHTO/ISO 17025 Accredited

## REPORT ON FREEZE THAW DURABILITY

**Report To:** Reading Rock, Inc.  
Attn: David Zawada  
4600 Devitt Drive  
Cincinnati, Ohio 45246

**Report Date:** 03/12/15  
**Job No.:** 168887  
**Report No.:** 200087  
**Date Submitted:** 01/06/15

**Test Method:** ASTM C 666A - Resistance of Concrete to Rapid Freezing and Thawing

**Specification:** ASTM C 1364 - Standard Specification for Architectural Cast Stone, section 5.6

**Sample ID:** Architectural Cast Stone Unit - Hand Tamped - Buff

Cycle	Sample 9G		Sample 9H		Sample 9I		Average % Loss @ 300 Cycles	ASTM C1364 Specification % Maximum
	Weight, g:	4847.9	Weight, g:	4947.4	Weight, g:	4884.7		
	Cumulative Loss, g	Loss %	Cumulative Loss, g	Loss %	Cumulative Loss, g	Loss %		
35	0.9	0.0	0.5	0.0	0.5	0.0	---	---
70	4.0	0.1	1.6	0.0	1.0	0.0	---	---
105	11.6	0.2	3.2	0.1	3.8	0.1	---	---
140	21.4	0.4	6.4	0.1	9.5	0.2	---	---
175	36.2	0.7	10.5	0.2	21.1	0.4	---	---
210	44.8	0.9	11.7	0.2	25.7	0.5	---	---
245	63.2	1.3	12.9	0.3	49.3	1.0	---	---
280	76.1	1.6	16.3	0.3	62.7	1.3	---	---
300	79.4	1.6	17.3	0.3	72.6	1.5	<b>1.2</b>	<b>5.0</b>

Should you have any questions, or if we may be of further service, please contact me at (937) 236-8805, ext. 329.

Respectfully submitted,  
BOWSER-MORNER, INC.



Scott D. Ruhkamp, Supervisor  
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