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**To:** Austin Aggregates  
 Attn.: Mr. Troy Carter  
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**Project:** 2009 Austin Aggregates QA

**Project No.:** 104637  
**Date:** 07-01-09  
**Control No.:** 061608 C

**REPORT OF:** 5-Cycle Magnesium Soundness of Coarse Aggregate  
**TEST METHOD:** TEX-411-A  
**LAB NUMBER:** G-2349  
**MATERIAL DESCRIPTION:** 1" River Gravel  
**MATERIAL SOURCE:** Plant Stockpile  
**SAMPLED BY:** Daren Potteiger, ACI #01147441  
**DATE SAMPLED:** 06-16-09  
**TEST PERFORMED BY:** D. Potteiger, ACI #01147441; P. Rajapakse, ACI #01018496  
**RESULTS:**

SOUNDNESS TESTS OF COARSE AGGREGATE

| Sieve Size | Grading of Original Sample % | Wt. of Fraction Before Test (g) | % Passing Designated Sieve After Test | Weighted Percentage Loss |
|------------|------------------------------|---------------------------------|---------------------------------------|--------------------------|
| ¾" to 3/8" | 66%*                         | 1000.6                          | 5.1                                   | 3.4                      |
| 3/8" to #4 | 34%*                         | 300.3                           | 6.7                                   | 2.7                      |
|            |                              |                                 | <b>Total % Loss</b>                   | <b>6.1</b>               |
|            |                              |                                 | <b>% Unsound</b>                      | <b>6.0</b>               |

\*Normalized Gradation, Used Solution

1-Above

Report Reviewed by: ABA

*R. S. Wright*

Robert S. Wright, P.E.

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