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To: Yarrington Road Materials
 Attn.: Mr. Chase Coleman
 P.O. Box 967
 Kyle, Texas 78640

Project: 2014 Yarrington Road QA

Project No.: 110038

Date: 08-08-14

Control No.: 072216 A

REPORT OF: Sieve Analysis, Specific Gravity, Rodded & Loose Unit Weight, Decantation, Crushed Face Count, Los Angeles Abrasion, and Deleterious Materials

TEST METHOD: TEX 400A, TEX 401A, TEX 403A, TEX 404A, TEX 406A, TEX 410A, TEX 413A, and TEX 460A Part I

LAB ID NUMBER: G-3581

MATERIAL DESCRIPTION: **1" Crushed Gravel**

MATERIAL SOURCE: Plant Stockpile

SAMPLED BY: K. Eidenschink

DATE SAMPLED: 7-22-14

TEST PERFORMED BY: D. Potteiger, ACI #01147441; C. Erickson, ACI #01075538

RESULTS:

<u>Sieve Size</u>	<u>Percent Passing</u>	<u>TxDOT Item 421 COA Item 403 Grade 4 Specifications</u>	<u>ASTM C-33 Grade 57 Specifications</u>	<u>ASTM C-33 Grade 67 Specifications</u>
1 1/2"	100	100	100	--
1"	100	95-100	95-100	100
3/4"	92.7	--	--	90-100
1/2"	56.1	25-60	25-60	--
3/8"	31.2	--	--	20-55
#4	2.8	0-10	0-10	0-10
#8	1.3	0-5	0-5	0-5

Specific Gravity.....**2.619**

Absorption, %**1.9**

Decantation, %.....**0.7** (Maximum 1.0)

Oven Dry Loose Unit Weight, pcf.....**93.8**

Oven Dry Rodded Unit Weight, pcf....**101.2**

Deleterious Materials (%).....**0.00** (Maximum 0.25)

Abrasion (Grading-B) % Loss.....**26** (Maximum 40)

Crushed Face Count, % by Count.....**33**

Pursuant to applicable building codes, the results presented in this report are for the exclusive use of the client and the registered design professional in responsible charge. The results apply only to the samples tested. If changes to the specifications were made and not communicated to Kleinfelder, Kleinfelder assumes no responsibility for statements (meets/does not meet), if provided. If the samples tested were sampled and/or transported to our laboratory by parties other than Kleinfelder staff, this report makes no representation of whether the samples are representative of the material onsite.



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REPORT OF: 5-Cycle Magnesium Soundness of Coarse Aggregate
 TEST METHOD: TEX-411-A
 LAB ID NUMBER: G-3581
 MATERIAL DESCRIPTION: **1" Crushed Gravel**
 MATERIAL SOURCE: Plant Stockpile
 SAMPLED BY: K. Eidenschink
 DATE SAMPLED: 7-22-14
 TEST PERFORMED BY: D. Potteiger, ACI #01147441
 RESULTS:

MAGNESIUM SULFATE SOUNDNESS TESTS OF COARSE AGGREGATE

Sieve Size	Grading of Original Sample	Wt. of Fraction Before Test (g)	Wt. of Fraction After Test (g)	% Passing Designated Sieve After Test	Weighted Percentage Loss
1/2" to 3/8"	66%*	1000.8	948.7	5.2	3.4
3/8" to #4	34%*	300.9	276.1	8.2	2.8
Total % Loss					6.2
% Unsound					6

*Normalized Gradation, Used Solution

1-Above

Report Reviewed by: DP


 Barry Siler, C.E.T.

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