



1826 Kramer Lane, Suite M
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To: Austin Aggregates
 Attn.: Mr. Troy Carter
 P.O. Box 27935
 Austin, Texas 78755

Project: 2010 Austin Aggregates QA

Project No.: 109970
Date: 07-12-10
Control No.: 062814 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-2783

MATERIAL DESCRIPTION: 1" River Gravel

MATERIAL SOURCE: Plant Stockpile

SAMPLED BY: K. Woodard, NICET II #107418

DATE SAMPLED: 06-28-10

TEST PERFORMED BY: D. Potteiger, ACI #01147441; K. Eidenschink

RESULTS:

<u>Sieve Size</u>	<u>Percent Passing</u>	<u>TxDOT Item 421 / COA Item 403 Grade 4 Specifications</u>
1 1/2"	100	100
1"	96.3	95-100
3/4"	77.4	--
1/2"	44.1	25-60
3/8"	23.6	--
#4	4.8	0-10
#8	1.2	0-5

Specific Gravity2.626
 Absorption, %1.0
 Oven Dry Loose Unit Weight, pcf.....96.0
 Oven Dry Rodded Unit Weight, pcf....102.4
 Decantation, %.....0.4 (Maximum 1.0)
 Deleterious Materials (%).....0.00 (Maximum 0.25)
 Abrasion (Grading-A) % Loss.....23.0 (Maximum 40)
 Crushed Face Count, % by Count.....29.0



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Date: 07-12-10

Control No.: 062814 A

REPORT OF: Sieve Analysis, Specific Gravity, Rodded & Loose Unit Weight, Decantation, Los Angeles Abrasion, and Clay Lumps & Friable Particles

TEST METHOD: ASTM C136, C127, C29, C117, C131, C142, D75 and C702

LAB ID NUMBER: G-2783

MATERIAL DESCRIPTION: 1" River Gravel

MATERIAL SOURCE: Plant Stockpile

SAMPLED BY: K. Woodard, NICET II #107418

DATE SAMPLED: 06-28-10

TEST PERFORMED BY: D. Potteiger, ACI #01147441; K. Eidenschink

RESULTS:

<u>Sieve Size</u>	<u>Percent Passing</u>	<u>ASTM C-33, Grade 57 Specifications</u>
1 1/2"	100	100
1"	96.3	95-100
3/4"	77.4	--
1/2"	44.1	25-60
3/8"	23.6	--
#4	4.8	0-10
#8	1.2	0-5

Specific Gravity2.626
 Absorption, %1.0
 Oven Dry Loose Unit Weight, pcf96.0
 Oven Dry Rodded Unit Weight, pcf102.4
 Decantation, %0.4
 Deleterious Materials (%)0.00
 Abrasion (Grading-A) % Loss23.0



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 Date: 07-12-10
 Control No.: 062814 A

REPORT OF: 5-Cycle Magnesium Soundness of Coarse Aggregate
 TEST METHOD: TEX-411-A
 LAB NUMBER: G-2783
 MATERIAL DESCRIPTION: 1" River Gravel
 MATERIAL SOURCE: Plant Stockpile
 SAMPLED BY: K. Woodard, NICET II #107418
 DATE SAMPLED: 06-04-10
 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%*	1000.9	980.3	2.1	1.4
3/8" to #4	34%*	302.1	283.2	6.3	2.1
				Total % Loss	3.5
				% Unsound	4.0

*Normalized Gradation, Used Solution

1-Above

Report Reviewed by: gbd

Mark Holcomb, C.E.T.