

SOUTHERN CRUSHED CONCRETE, LLC.

January, 2009

To: Whom it may concern:

Southern Crushed Concrete, LLC. Certifies that our Recycled Crushed Concrete Base meets the Texas Standard Specifications for City of Houston Item 02713 (Cement Treated Base). We have consistently shipped this product to highway projects in the Houston area over the past 12 years with high performance of the material. Please note the attached test reports substantiating our compliance with the TxDOT standards.

Sincerely,

A handwritten signature in cursive script, appearing to read "James R. Miller".

James R. Miller

14329 Chrisman Road, Houston Texas 77039
(281) 987-8789 Fax (281) 987 8791
Equal Opportunity Employer

PACS Construction Laboratories and Testing Services

4560 West 34th Street, Suite J, Houston Texas 77092 Telephone: (713) 681-6606, Facsimile: (713) 681-6608

REPORT OF GRADING OF CRUSHED CONCRETE BASE

PROJECT: Southern Crushed Concrete – Various Testing	Date: 6/08/2009
CLIENT: Southern Crushed Concrete	PACS PROJECT NO.: SCC2007 PACS REPORT NO.: SCC0422

The material was sampled by:

TECHNICIAN: Jim Ynigues TIME –REGULAR HOURS: See Rpt. 0421. OVERTIME HOURS: 0.0 Hrs.

REMARKS: In response to the Southern Crushed Concrete's request, Recycled Crushed Concrete Base was sampled from the Southern Crushed Concrete Plant #02 (South Post Oak Yard). The sample was returned to PACS Construction Laboratories and was tested for grading in general accordance with TxDOT Test methods Tex-101-E and Tex-110-E to determine compliance with TxDOT Grade 1 grading requirements. The test results are as follows:

GRADING RESULTS

<u>Sieve Size</u>	<u>Sample Results, % Retained</u>	<u>Project Specification, TxDOT Item 247 Grade 1 % Retained</u>
1 3/4"	0	0
7/8"	26	10 to 35
3/8"	49	30 to 50
No. 4	57	45 to 65
No. 40	77	70 to 85

The test results indicate that this material would meet TxDOT Item 247 Grade 1 Grading results as outlined above.

If there are any questions regarding this report or if we can provide any additional information, please contact us at your convenience.

COMMENTS:

Distribution:

- (1) Jim Miller, Southern Crushed Concrete
- (1) Rick Perkins, Southern Crushed Concrete
- (1) Fernando Fernandez, Southern Crushed Concrete

PACS Construction Laboratories, Inc



John Ynigues, Project Manager

Test results apply to the sample or samples tested which may or may not be indicative of the completed product. Letters and Reports are for the exclusive use of the client who has permission from PACS Construction Laboratories to distribute as necessary. Samples tested will be retained by the testing laboratory for 30 Days unless otherwise notified by the client. Report SCC0422

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REPORT OF WET BALL MILL

PROJECT: Southern Crushed Concrete – Various Testing	Date: 6/17/2009
CLIENT: Southern Crushed Concrete	PACS PROJECT NO.: SCC2007 PACS REPORT NO.: SCC0426

The material was sampled by:

TECHNICIAN: Jim Ynigues TIME –REGULAR HOURS: See Rpt. 0421. OVERTIME HOURS: 0.0 Hrs.

REMARKS: In response to the Southern Crushed Concrete's request, Recycled Crushed Concrete Base was sampled from the Southern Crushed Concrete Plant #02 (South Post Oak Yard). The sample was returned to PACS Construction Laboratories and was tested for Wet Ball Mill in general accordance with TxDOT Test methods Tex-116-E. The test results are as follows:

TEST RESULTS

<u>Test Item</u>	<u>Sample Results</u>	<u>Project Specification, TxDOT Item 247, Grade 1</u>
Wet Ball Mill Value	35	40 Max
Increase in Passing No. 40	14	20 Max

The results indicate the sample tested meets TxDOT Item 247 Grade 1 for Wet Ball Mill and increase in passing the No. 40 sieve.

If there are any questions regarding this report or if we can provide any additional information, please contact us at your convenience.

COMMENTS:

Distribution:

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- (1) Rick Perkins, Southern Crushed Concrete
- (1) Fernando Fernandez, Southern Crushed Concrete

PACS Construction Laboratories, Inc



John Ynigues, Project Manager

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REPORT LOSS BY ABRASION AND IMPACT OF COARSE AGGREGATE

PROJECT: Southern Crushed Concrete – Various Testing	Date: 06/16/2009
CLIENT: Southern Crushed Concrete	PACS PROJECT NO.: SCC2007 PACS REPORT NO.: SCC0425

The material was sampled by:

TECHNICIAN: Jim Ynigues TIME –REGULAR HOURS: See Rpt. 0421. OVERTIME HOURS: 0.0 Hrs.

REMARKS: In response to the Southern Crushed Concrete's request, Recycled Crushed Concrete Base was sampled from the Southern Crushed Concrete Plant #02 (South Post Oak Yard). The sample was returned to PACS Construction Laboratories and was tested for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine in general accordance with ASTM C 131. The test results are as follows:

<u>Required Reporting Information</u>	<u>Sample Tested</u>
Nominal Maximum Size of the Crushed Concrete Base Tested	1.5"
ASTM Grading Designation Used for Test	A

Sample Test Results

<u>Test</u>	<u>Sample Results</u>
Loss by Abrasion and Impact	43.2%

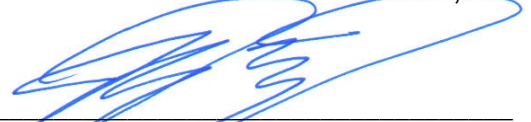
If there are any questions regarding this report or if we can provide any additional information, please contact us at your convenience.

COMMENTS:

Distribution:

- (1) Jim Miller, Southern Crushed Concrete
- (1) Rick Perkins, Southern Crushed Concrete
- (1) Fernando Fernandez, Southern Crushed Concrete

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John Ynigues, Project Manager

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REPORT OF LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOIL

PROJECT: Southern Crushed Concrete – Various Testing	Date: 06/09/2009
CLIENT: Southern Crushed Concrete	PACS PROJECT NO.: SCC2007 PACS REPORT NO.: SCC0423

The material was sampled by:

TECHNICIAN: Jim Ynigues TIME –REGULAR HOURS: See Rpt. 0421. OVERTIME HOURS: 0.0 Hrs.

REMARKS: In response to the Southern Crushed Concrete's request, Recycled Crushed Concrete Base was sampled from the Southern Crushed Concrete Plant #02 (South Post Oak Yard). The sample was returned to PACS Construction Laboratories and was tested for Plasticity Index in general accordance with TxDOT Test methods Tex-104-E and Tex-106-E. The test results are as follows:

PLASTICITY INDEX TEST RESULTS

<u>Test Performed</u>	<u>Sample Results</u>	<u>Project Specification, TxDOT Item 247, Grade 1</u>
Liquid Limit, LL	19	35 Max
Plastic Limit, PL	14	NA
Plasticity Index, PI	5	10 Max

The results indicate the sample tested meets TxDOT Item 247 Grade 1 for liquid limit and plasticity index..


If there are any questions regarding this report or if we can provide any additional information, please contact us at your convenience.

COMMENTS:

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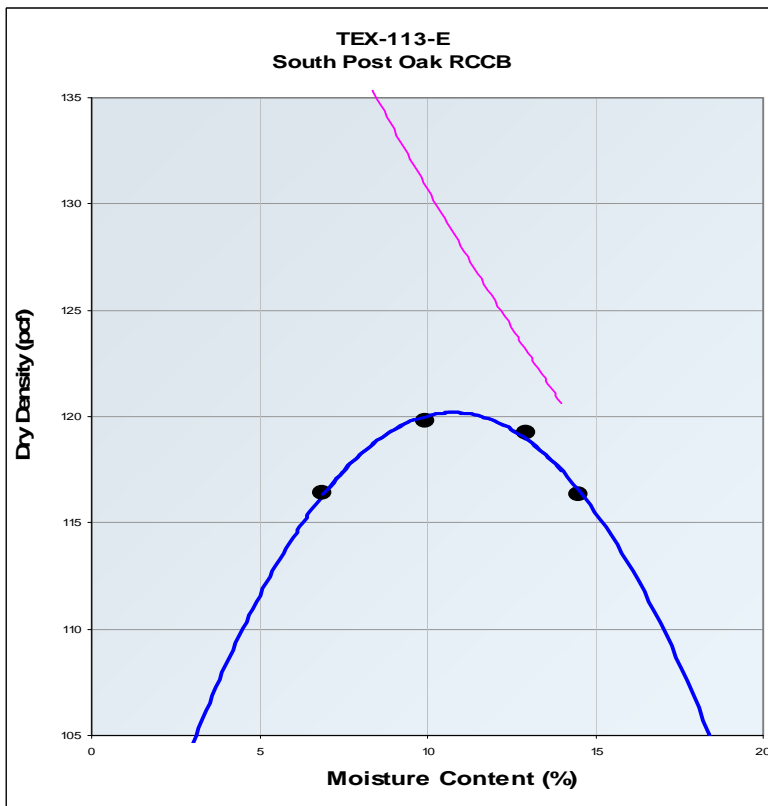
REPORT OF MOISTURE DENSITY RELATIONSHIP

PROJECT: Southern Crushed Concrete – Various Testing	Date: 06/09/2009
CLIENT: Southern Crushed Concrete	PACS PROJECT NO.: SCC2007 PACS REPORT NO.: SCC0424

The material was sampled by:

TECHNICIAN: Jim Ynigues TIME –REGULAR HOURS: See Rpt. 0421 OVERTIME HOURS: 0.0 Hrs.

REMARKS: In response to the Southern Crushed Concrete's request, Recycled Crushed Concrete Base was sampled from the Southern Crushed Concrete Plant #02 (South Post Oak Yard). The sample was returned to PACS Construction Laboratories and tested for moisture density relationship. The sample was tested in general accordance with Tex-113-E. The results are as follows.



Optimum Density and Moisture Content	
120.2 pcf	10.8%

If there are any questions regarding this report or if we can provide any additional information, please contact us at your convenience.

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Southern Crushed Concrete, LLC.
14329 Chrisman Road
Houston, Texas 77039
Phone 281-987-8789
Fax 281-987-8791

CEMENT STABILIZED BASE TARGET MIX DESIGN

Item 02713

08.0% CEMENT by dry weight
92.0% CRUSHED CONCRETE BASE by dry wt.
10.5% WATER

100.0% TOTAL PROPOSED MIX DESIGN – by dry weight

Respectfully

James R Miller

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