

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT**



**SUBSURFACE INVESTIGATION**

STATE JOB NO. 080423

FEDERAL AID PROJECT NO. NHPP-0071(30)

BEE BRANCH – NORTH (S)

STATE HIGHWAY 65 SECTION 8

IN VAN BUREN COUNTY

The information contained herein was obtained by the Department for design and estimating purposes only. It is being furnished with the express understanding that said information does not constitute a part of the Proposal or Contract and represents only the best knowledge of the Department as to the location, character and depth of the materials encountered. The information is only included and made available so that bidders may have access to subsurface information obtained by the Department and is not intended to be a substitute for personal investigation, interpretation and judgment of the bidder. The bidder should be cognizant of the possibility that conditions affecting the cost and/or quantities of work to be performed may differ from those indicated herein.

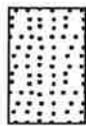
# LEGEND

## SOIL TYPES

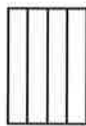
(SHOWN IN SYMBOL COLUMN)  
(PREDOMINANT TYPE SHOWN HEAVY)



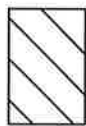
GRAVEL



SAND



SILT



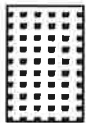
CLAY



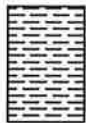
ORGANIC  
MATTER

## ROCK TYPES

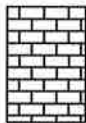
(SHOWN IN SYMBOL COLUMN)



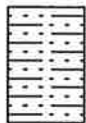
SANDSTONE



SHALE  
or  
SILTSTONE



LIMESTONE  
or  
DOLOMITE



ALTERNATING  
LAYERS of  
SHALE and  
SANDSTONE



OTHER

## SAMPLER TYPES

(SHOWN IN SAMPLE COLUMN)

### SHELBY TUBE



UNDISTURBED  
SAMPLE  
RECOVERY

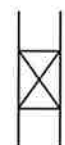


DISTURBED  
SAMPLE  
RECOVERY



NO  
RECOVERY

### SPLIT SPOON



SAMPLE  
RECOVERY



NO  
RECOVERY

### ROCK CORING



% RECOVERY  
INDICATED ON LOGS

## TERMS DESCRIBING CONSISTENCY OR CONDITION

GRANULAR SOIL		CLAY		CLAY-SHALE		SHALE	
*N <sup>o</sup> Value	Density	*N <sup>o</sup> Value	Consistency	*N <sup>o</sup> Value	Consistency	*N <sup>o</sup> Value	Consistency
0-4	Very Loose	0-1	Very Soft	0-1	Very Soft		
5-10	Loose	2-4	Soft	2-4	Soft	31-60	Soft
11-30	Medium Dense	5-8	Medium Stiff	5-8	Medium Stiff	Over 60	
31-50	Dense	9-15	Stiff	9-15	Stiff	More than 2'	
Over 50	Very Dense	16-30	Very Stiff	16-30	Very Stiff	Penetration	
		31-60	Hard	31-60	Hard	in 60 Blows	Medium Hard
		Over 60	Very Hard	Over 60	Very Hard	Less than 2'	
						Penetration	
						in 60 Blows	Hard

1. Ground water elevations indicated on boring logs represent ground water elevations at date or time shown on boring log. Absence of water surface implies that no ground water data is available but does not necessarily mean that ground water will not be encountered at locations or within the vertical reaches of these borings.
2. Borings represent subsurface conditions at their respective locations for their respective depths. Variations in conditions between or adjacent to boring locations may be encountered.
3. Terms used for describing soils according to their texture or grain size distribution are in accordance with the Unified Soil Classification System.

Standard Penetration Test – Driving a 2.0” O.D., 1-3/8” I.D. sampler a distance of 1.0 foot into undisturbed soil with a 140 pound hammer free falling a distance of 30 inches. It is customary to drive the spoon 6.0 inches to seat into undisturbed soil, then perform the test. The number of hammer blows for seating the spoon and performing the test are recorded for each 6 inches of penetration on the drill log. The field “N” Value ( $N_f$ ) can be obtained by

adding the bottom two numbers for example:  $\frac{6}{8-9} \Rightarrow 8+9 = 17 \text{ blows/ft}$ . The “N” Value corrected to 60% efficiency ( $N_{60}$ ) can be obtained by multiplying  $N_f$  by the hammer correction factor published on the boring log.

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT**

June 24, 2013

**TO:** Mr. Trinity Smith, Engineer of Roadway Design

**SUBJECT:** Job No. 080423  
Bee Branch - North (S)  
Route 65 Section 8  
Van Buren County

Transmitted herewith is the requested Soil Survey, Strength Data and Resilient Modulus test results for the above referenced job. The project consists of replacing two existing bridges and widening approximately 8.1 miles of Highway 65 from three lanes to five lanes. Samples were obtained in the existing travel lanes, shoulders and ditch line.

Based on laboratory results of samples obtained, the subgrade soils consist of low to moderately plastic sandy clay containing varying amounts of sandstone and shale fragments. Construction grade line and cross-sections are not currently available, but it is anticipated that the construction grade line will closely match that of the existing grade line. The subgrade soils are expected to provide a stable working platform with conventional processing if the weather during construction is favorable. Rock was encountered at several locations within the project limits, and Table 1 below lists station and depth to rock. Embankment and cut slope recommendations will be made when plans are further developed and cross-sections become available. There were no slide areas observed within the project limits.

Table 1 Depth of Rock

Station	Location from Centerline	Depth (ft.)
518+00	36' Rt	4.0
542+00	6', 15', 25' Lt	3.5, 4.0, 3.5
550+00	32' Rt	4.0
614+00	6', 25' Rt	4.0, 3.0
654+00	18' Lt	4.5
678+00	18', 28' Rt	4.5, 3.0
686+00	35' Lt	3.0
734+00	18', 25', 35' Lt	3.0, 3.0, 4.0
774+00	15', 25' Rt	4.0, 4.0
894+00	25', 35' Rt	4.5, 4.0

Listed below is the additional information requested for use in developing the plans:

1. The Qualified Products List (QPL) indicates that Aggregate Base Course (Class CL-7) is available from commercial producers located in the vicinity of Clinton.

2. Asphalt Concrete Hot Mix

<u>Type</u>	<u>Asphalt Cement %</u>	<u>Mineral Aggregate %</u>
Surface Course	5.4	94.6
Binder Course	4.5	95.5
Base Course	4.2	95.8



Michael C. Benson  
Materials Engineer

MCB:pt:bjj  
Attachment

cc: State Constr. Eng. – Master File Copy  
District 8 Engineer  
Planning Div.  
G. C. File

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION  
MICHAEL BENSON, MATERIALS ENGINEER  
\*\*\* SOIL SURVEY STRENGTH TEST REPORT \*\*\*

DATE - 06/19/2013  
JOB NUMBER - 080423

SEQUENCE NO. - 1  
MATERIAL CODE - SSRVPS  
SPEC. YEAR - 2003  
SUPPLIER ID. - 1  
COUNTY/STATE - 71  
DISTRICT NO. - 08

JOB NAME - BEE BRANCH-NORTH (S)

\*\*\*\*\*  
\* STATION LIMITS R-VALUE AT 240 psi \*  
\*\*\*\*\*

BEGIN JOB - END JOB 10

RESILIENT MODULUS  
STA.566+00 6446  
STA.662+00 6472  
STA.838+00 6437

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REMARKS -

AASHTO TESTS : T190

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

**AASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED SAMPLES**

<b>Job No.</b>	080423	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	6/13/13	<b>Station No.:</b>	566+00
<b>Date Tested:</b>	June 14, 2013	<b>Location:</b>	36'RT.
<b>Name of Project:</b>	BEE BRANCH - NORTH (S)		
<b>County:</b>	<b>Code:</b> 71	<b>Name:</b>	VAN BUREN
<b>Sampled By:</b>	S.FAULKNE	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20132585	<b>AASHTO Class:</b>	A-4(0)
<b>Sample ID:</b>	RV1088 (2)	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

Preconditioning - Permanent Strain > 5% (Y=Yes or N= No)	N
Testing - Permanent Strain > 5% (Y=Yes or N=No)	N
Number of Load Sequences Completed (0-15)	15

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.97
Middle	3.96
Bottom	3.97
Average	3.97
Membrane Thickness (in):	0.00
Height of Specimen, Cap and Base (in):	8.01
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.01
Initial Area, Ao (sq. in):	12.36
Initial Volume, AoLo (cu. in):	98.99

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3298.80
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**4. Soil Properties:**

Optimum Moisture Content (%):	14.5
Maximum Dry Density (pcf):	112.1
95% of MDD (pcf):	106.5
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3298.80
Compaction Moisture content (%):	14.9
Compaction Wet Density (pcf):	126.98
Compaction Dry Density (pcf):	110.51
Moisture Content After Mr Test (%):	14.6

**6. Quick Shear Test (Y=Yes, N=No, N/A=Not Applicable):**

#VALUE!

**7. Resilient Modulus, Mr:**

7148(Sc)<sup>-0.21010</sup>(S3)<sup>0.44426</sup>

**8. Comments**

\_\_\_\_\_

\_\_\_\_\_

**9. Tested By:**

DT

**Date:** June 14, 2013

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

**AAASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED SAMPLES**

Job No.	080423	Material Code	SSRVPS
Date Sampled:	6/13/13	Station No.:	566+00
Date Tested:	June 14, 2013	Location:	36'RT.
Name of Project:	BEE BRANCH - NORTH (S)	Depth:	0-5
County:	Code: 71 Name: VAN BUREN	AAASHTO Class:	A-4(0)
Sampled By:	S.FAULKNE	Material Type (1 or 2):	2
Lab No.:	20132585	LONGITUDE:	
Sample ID:	RV1088 (2)		

PARAMETER	Chamber Confining Pressure	Nominal Maximum Axial Stress	Actual Applied Max. Axial Load	Actual Applied Max. Axial Load	Actual Applied Max. Axial Stress	Actual Applied Max. Axial Stress	Actual Applied Contact Load	Actual Applied Contact Load	Actual Applied Contact Stress	Actual Applied Cyclic Stress	Actual Applied Cyclic Stress	Average Recov Def. LVDT 1 and 2	Resilient Strain	Resilient Modulus
Sequence 1	6.0	2.0	25.4	22.8	2.1	2.6	2.6	2.6	0.2	1.8	0.00108	0.00013	13,718	
Sequence 2	6.0	4.0	47.7	45.1	3.9	2.7	2.7	2.7	0.2	3.6	0.00234	0.00029	12,509	
Sequence 3	6.0	6.0	70.4	66.8	5.7	3.6	3.6	3.6	0.3	5.4	0.00368	0.00046	11,776	
Sequence 4	6.0	8.0	93.9	87.7	7.6	6.2	6.2	6.2	0.5	7.1	0.00544	0.00068	10,457	
Sequence 5	6.0	10.0	117.1	108.4	9.5	8.7	8.7	8.7	0.7	8.8	0.00722	0.00090	9,734	
Sequence 6	4.0	2.0	25.1	22.4	2.0	2.7	2.7	2.7	0.2	1.8	0.00124	0.00015	11,744	
Sequence 7	4.0	4.0	46.8	44.0	3.8	2.8	2.8	2.8	0.2	3.6	0.00283	0.00035	10,077	
Sequence 8	4.0	6.0	67.7	64.8	5.5	2.9	2.9	2.9	0.2	5.2	0.00464	0.00058	9,045	
Sequence 9	4.0	8.0	91.3	85.9	7.4	5.4	5.4	5.4	0.4	7.0	0.00645	0.00081	8,638	
Sequence 10	4.0	10.0	114.5	106.7	9.3	7.9	7.9	7.9	0.6	8.6	0.00835	0.00104	8,283	
Sequence 11	2.0	2.0	24.8	22.0	2.0	2.8	2.8	2.8	0.2	1.8	0.00168	0.00021	8,488	
Sequence 12	2.0	4.0	45.4	42.5	3.7	2.9	2.9	2.9	0.2	3.4	0.00362	0.00045	7,610	
Sequence 13	2.0	6.0	65.4	62.5	5.3	2.9	2.9	2.9	0.2	5.1	0.00595	0.00074	6,807	
Sequence 14	2.0	8.0	87.4	82.8	7.1	4.6	4.6	4.6	0.4	6.7	0.00816	0.00102	6,575	
Sequence 15	2.0	10.0	110.2	103.0	8.9	7.1	7.1	7.1	0.6	8.3	0.01036	0.00129	6,446	

TESTED BY \_\_\_\_\_ DATE June 14, 2013

REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

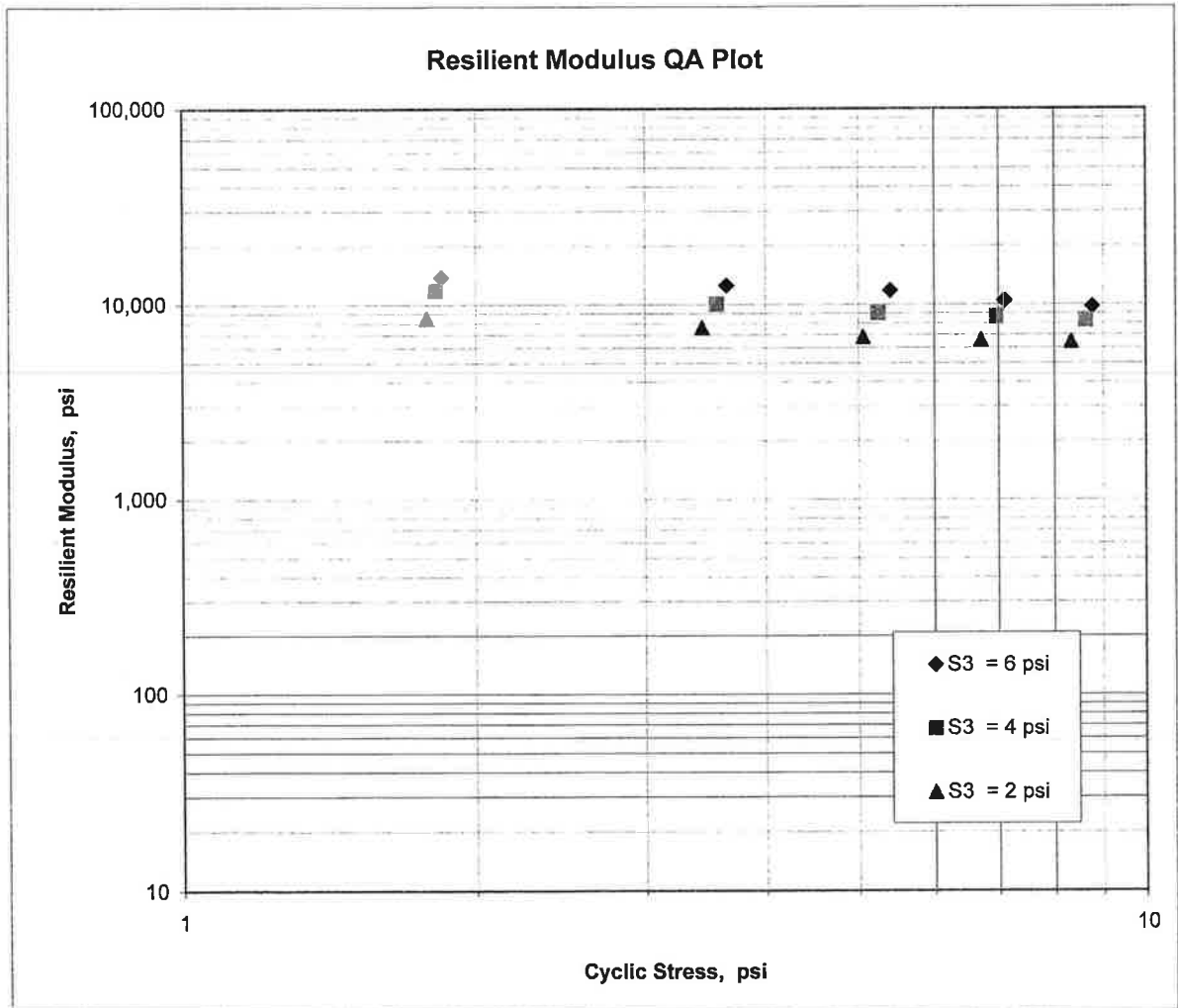
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

**AASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED / THINWALL TUBE SAMPLES**

<b>Job No.</b>	080423	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	6/13/13	<b>Station No.:</b>	566+00
<b>Date Tested:</b>	June 14, 2013	<b>Location:</b>	36'RT.
<b>Name of Project:</b>	BEE BRANCH - NORTH (S)		
<b>County:</b>	<b>Code:</b> 71	<b>Name:</b>	VAN BUREN
<b>Sampled By:</b>	S.FAULKNE	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20132585	<b>AASHTO Class:</b>	A-4(0)
<b>Sample ID:</b>	RV1088 (2)	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

$$M_R = K_1 (S_c)^{K_2} (S_3)^{K_5}$$

$K_1 = \underline{7,148}$   
 $K_2 = \underline{-0.21010}$   
 $K_5 = \underline{0.44426}$   
 $R^2 = \underline{0.99}$





**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

**AASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED SAMPLES**

<b>Job No.</b>	080423	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	06/18/2013	<b>Station No.:</b>	662+00
<b>Date Tested:</b>	June 18, 2013	<b>Location:</b>	28'RT
<b>Name of Project:</b>	BEE BRANCH - NORTH (S)		
<b>County:</b>	<b>Code:</b> 71	<b>Name:</b>	VAN BUREN
<b>Sampled By:</b>	FAULKNER	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20132586	<b>AASHTO Class:</b>	A-4(4)
<b>Sample ID:</b>	RV1089	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

Preconditioning - Permanent Strain > 5% (Y=Yes or N= No)	N
Testing - Permanent Strain > 5% (Y=Yes or N=No)	N
Number of Load Sequences Completed (0-15)	15

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.95
Middle	3.96
Bottom	3.95
Average	3.95
Membrane Thickness (in):	0.00
Height of Specimen, Cap and Base (in):	8.03
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.03
Initial Area, Ao (sq. in):	12.27
Initial Volume, AoLo (cu. in):	98.57

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3117.20
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**4. Soil Properties:**

Optimum Moisture Content (%):	16.7
Maximum Dry Density (pcf):	107.2
95% of MDD (pcf):	101.8
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3117.20
Compaction Moisture content (%):	17.4
Compaction Wet Density (pcf):	120.50
Compaction Dry Density (pcf):	102.64
Moisture Content After Mr Test (%):	17.4

**6. Quick Shear Test (Y=Yes, N=No, N/A=Not Applicable):**

#VALUE!

**7. Resilient Modulus, Mr:**

9278(Sc)<sup>-0.29835</sup>(S3)<sup>0.35965</sup>

**8. Comments**

\_\_\_\_\_

\_\_\_\_\_

**9. Tested By:**

DEB

**Date:** June 18, 2013

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

**AAASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED SAMPLES**

<b>Job No.</b>	080423	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	06/18/2013	<b>Station No.:</b>	662+00
<b>Date Tested:</b>	June 18, 2013	<b>Location:</b>	28RT
<b>Name of Project:</b>	BEE BRANCH - NORTH (S)	<b>Depth:</b>	0-5
<b>County:</b>	Code: 71	<b>Name:</b>	VAN BUREN
<b>Sampled By:</b>	FAULKNER	<b>AAASHTO Class:</b>	A-4(4)
<b>Lab No.:</b>	20132586	<b>Material Type (1 or 2):</b>	2
<b>Sample ID:</b>	RV1089	<b>LONGITUDE:</b>	

PARAMETER	Chamber Confining Pressure	Nominal Maximum Axial Stress	Actual Applied Max. Axial Load	Actual Applied Cyclic Load	Actual Applied Contact Load	Actual Applied Max. Axial Stress	Actual Applied Cyclic Stress	Actual Applied Contact Stress	Average Recov Def. LVDT 1 and 2	Resilient Strain	Resilient Modulus
DESIGNATION	S <sub>3</sub>	S <sub>cyclic</sub>	P <sub>max</sub>	P <sub>cyclic</sub>	P <sub>contact</sub>	S <sub>max</sub>	S <sub>cyclic</sub>	S <sub>contact</sub>	H <sub>avg</sub>	ε <sub>r</sub>	M <sub>r</sub>
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	24.5	22.5	2.0	2.0	1.8	0.2	0.00102	0.00013	14,490
Sequence 2	6.0	4.0	49.0	44.5	4.5	4.0	3.6	0.4	0.00225	0.00028	12,927
Sequence 3	6.0	6.0	72.9	65.9	7.0	5.9	5.4	0.6	0.00376	0.00047	11,483
Sequence 4	6.0	8.0	95.2	85.8	9.4	7.8	7.0	0.8	0.00583	0.00073	9,624
Sequence 5	6.0	10.0	117.3	105.2	12.0	9.6	8.6	1.0	0.00794	0.00099	8,670
Sequence 6	4.0	2.0	24.4	22.4	2.0	2.0	1.8	0.2	0.00116	0.00014	12,675
Sequence 7	4.0	4.0	48.3	43.8	4.5	3.9	3.6	0.4	0.00266	0.00033	10,795
Sequence 8	4.0	6.0	71.4	64.4	7.0	5.8	5.2	0.6	0.00447	0.00056	9,425
Sequence 9	4.0	8.0	93.8	84.3	9.5	7.6	6.9	0.8	0.00660	0.00082	8,360
Sequence 10	4.0	10.0	115.8	103.7	12.1	9.4	8.4	1.0	0.00883	0.00110	7,685
Sequence 11	2.0	2.0	24.1	22.1	2.0	2.0	1.8	0.2	0.00157	0.00020	9,223
Sequence 12	2.0	4.0	47.4	43.0	4.5	3.9	3.5	0.4	0.00334	0.00042	8,424
Sequence 13	2.0	6.0	69.5	62.5	7.0	5.7	5.1	0.6	0.00542	0.00068	7,548
Sequence 14	2.0	8.0	91.1	81.6	9.5	7.4	6.6	0.8	0.00777	0.00097	6,876
Sequence 15	2.0	10.0	113.2	101.2	12.0	9.2	8.2	1.0	0.01023	0.00127	6,472

TESTED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION

AASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED / THINWALL TUBE SAMPLES

Job No.	080423	Material Code	SSRVPS
Date Sampled:	06/18/2013	Station No.:	662+00
Date Tested:	June 18, 2013	Location:	28'RT
Name of Project:	BEE BRANCH - NORTH (S)		
County:	Code: 71	Name:	VAN BUREN
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20132586	AASHTO Class:	A-4(4)
Sample ID:	RV1089	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

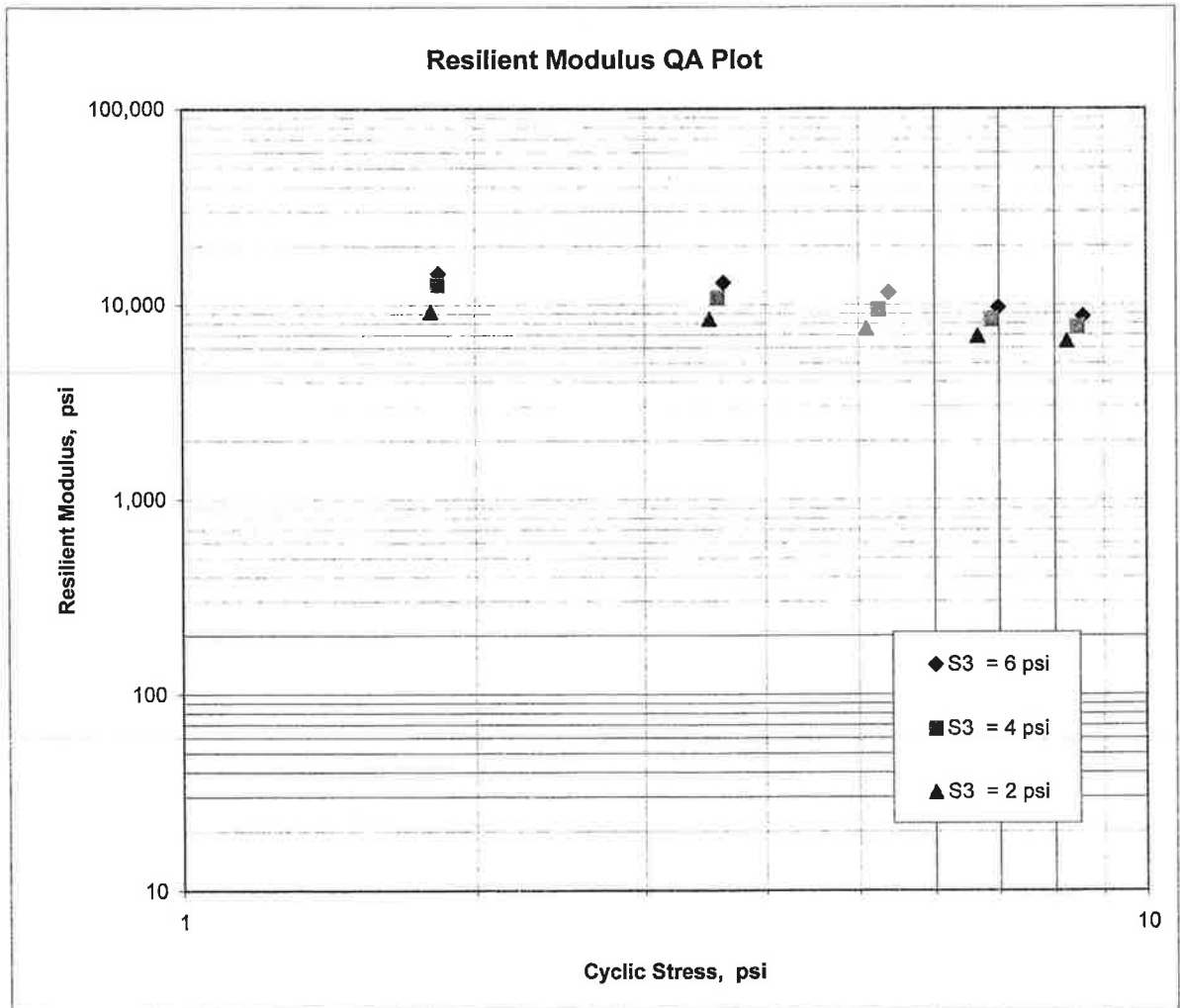
$$M_R = K_1 (S_C)^{K_2} (S_3)^{K_5}$$

$$K_1 = \underline{9,278}$$

$$K_2 = \underline{-0.29835}$$

$$K_5 = \underline{0.35965}$$

$$R^2 = \underline{0.96}$$



**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

**AASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED SAMPLES**

<b>Job No.</b>	080423	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	06/18/2013	<b>Station No.:</b>	838+00
<b>Date Tested:</b>	June 18, 2013	<b>Location:</b>	25'IT
<b>Name of Project:</b>	BEE BRANCH - NORTH (S)		
<b>County:</b>	<b>Code:</b> 71	<b>Name:</b>	VAN BUREN
<b>Sampled By:</b>	FAULKNER	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20132588	<b>AASHTO Class:</b>	A-6(1)
<b>Sample ID:</b>	RV1091	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

Preconditioning - Permanent Strain > 5% (Y=Yes or N= No)	N
Testing - Permanent Strain > 5% (Y=Yes or N=No)	N
Number of Load Sequences Completed (0-15)	15

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.97
Middle	3.96
Bottom	3.97
Average	3.97
Membrane Thickness (in):	0.00
Height of Specimen, Cap and Base (in):	8.04
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.04
Initial Area, Ao (sq. in):	12.36
Initial Volume, AoLo (cu. in):	99.36

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3248.30
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**4. Soil Properties:**

Optimum Moisture Content (%):	13.5
Maximum Dry Density (pcf):	113.1
95% of MDD (pcf):	107.4
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3248.30
Compaction Moisture content (%):	13.7
Compaction Wet Density (pcf):	124.57
Compaction Dry Density (pcf):	109.56
Moisture Content After Mr Test (%):	14.2

**6. Quick Shear Test (Y=Yes, N=No, N/A=Not Applicable):**

#VALUE!

**7. Resilient Modulus, Mr:**

9208(Sc)<sup>-0.29835</sup>(S3)<sup>0.35965</sup>

**8. Comments**

\_\_\_\_\_

\_\_\_\_\_

**9. Tested By:**

DEB

**Date:** June 18, 2013

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

**AASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED SAMPLES**

<b>Job No.</b>	080423	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	06/18/2013	<b>Station No.:</b>	838+00
<b>Date Tested:</b>	June 18, 2013	<b>Location:</b>	25'IT
<b>Name of Project:</b>	BEE BRANCH - NORTH (S)	<b>Depth:</b>	0-5
<b>County:</b>	Code: 71	<b>AASHTO Class:</b>	A-6(1)
<b>Sampled By:</b>	FAULKNER	<b>Material Type (1 or 2):</b>	2
<b>Lab No.:</b>	20132588	<b>LONGITUDE:</b>	
<b>Sample ID:</b>	RV1091		
<b>LATITUDE:</b>			
	<b>Name:</b>		
	VAN BUREN		

PARAMETER	Chamber Confining Pressure	Nominal Maximum Axial Stress	Actual Applied Max. Axial Load	Actual Applied Cyclic Load	Actual Applied Contact Load	Actual Applied Max. Axial Stress	Actual Applied Cyclic Stress	Actual Applied Contact Stress	Average Recov Def LVDT 1 and 2	Resilient Strain	Resilient Modulus
	S <sub>3</sub> psi	S <sub>eyclic</sub> psi	P <sub>max</sub> lbs	P <sub>eyclic</sub> lbs	P <sub>contact</sub> lbs	S <sub>max</sub> psi	S <sub>eyclic</sub> psi	S <sub>contact</sub> psi	H <sub>avg</sub> in	ε <sub>r</sub> in/in	M <sub>r</sub> psi
Sequence 1	6.0	2.0	24.5	22.5	2.0	2.0	1.8	0.2	0.00102	0.00013	14,411
Sequence 2	6.0	4.0	49.0	44.5	4.5	4.0	3.6	0.4	0.00225	0.00028	12,857
Sequence 3	6.0	6.0	72.9	65.9	7.0	5.9	5.3	0.6	0.00376	0.00047	11,420
Sequence 4	6.0	8.0	95.2	85.8	9.4	7.7	6.9	0.8	0.00583	0.00073	9,572
Sequence 5	6.0	10.0	117.3	105.2	12.0	9.5	8.5	1.0	0.00794	0.00099	8,622
Sequence 6	4.0	2.0	24.4	22.4	2.0	2.0	1.8	0.2	0.00116	0.00014	12,605
Sequence 7	4.0	4.0	48.3	43.8	4.5	3.9	3.5	0.4	0.00266	0.00033	10,736
Sequence 8	4.0	6.0	71.4	64.4	7.0	5.8	5.2	0.6	0.00447	0.00056	9,373
Sequence 9	4.0	8.0	93.8	84.3	9.5	7.6	6.8	0.8	0.00660	0.00082	8,314
Sequence 10	4.0	10.0	115.8	103.7	12.1	9.4	8.4	1.0	0.00883	0.00110	7,643
Sequence 11	2.0	2.0	24.1	22.1	2.0	2.0	1.8	0.2	0.00157	0.00019	9,173
Sequence 12	2.0	4.0	47.4	43.0	4.5	3.8	3.5	0.4	0.00334	0.00042	8,378
Sequence 13	2.0	6.0	69.5	62.5	7.0	5.6	5.1	0.6	0.00542	0.00067	7,506
Sequence 14	2.0	8.0	91.1	81.6	9.5	7.4	6.6	0.8	0.00777	0.00097	6,838
Sequence 15	2.0	10.0	113.2	101.2	12.0	9.2	8.2	1.0	0.01023	0.00127	6,437

TESTED BY \_\_\_\_\_ DATE June 18, 2013

REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION

AASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS  
RECOMPACTED / THINWALL TUBE SAMPLES

Job No. 080423 Material Code SSRVPS  
Date Sampled: 06/18/2013 Station No.: 838+00  
Date Tested: June 18, 2013 Location: 25'IT  
Name of Project: BEE BRANCH - NORTH (S)  
County: Code: 71 Name: VAN BUREN  
Sampled By: FAULKNER Depth: 0-5  
Lab No.: 20132588 AASHTO Class: A-6(1)  
Sample ID: RV1091 Material Type (1 or 2): 2  
LATITUDE: LONGITUDE:

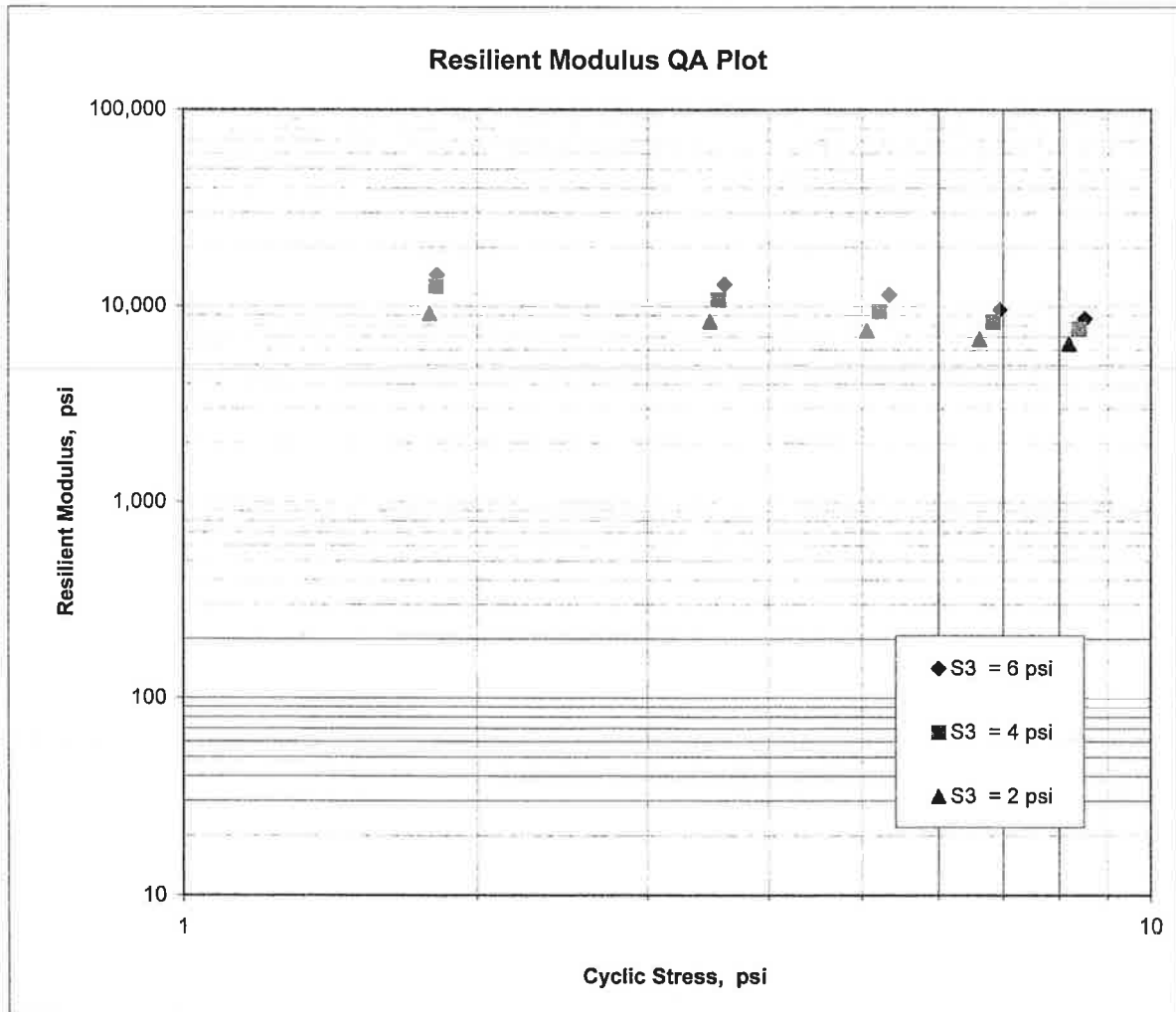
$$M_R = K_1 (S_C)^{K_2} (S_3)^{K_5}$$

$$K_1 = 9,208$$

$$K_2 = -0.29835$$

$$K_5 = 0.35965$$

$$R^2 = 0.96$$



JOB: 080423

Arkansas State Highway Transportation Department

JOB NAME: BEE BRANCH-NORTH (S)

Materials Division

COUNTY NO. 71 DATE TESTED 6/12/2013

Michael Benson, Materials Engineer

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
502+00	15'RT	0-5	BROWN	96	85	75	71	51	23	5	A-4(0)	S935	14.9
502+00	23'RT	0-5	BROWN	93	82	74	67	47	22	4	A-4(0)	S936	15.8
510+00	06'LT	0-5	BROWN	90	85	89	66	58	25	8	A-4(2)	S937	12.3
510+00	14'LT	0-5	BROWN	89	87	78	74	61	28	10	A-4(4)	S938	18.6
518+00	15'RT	0-5	BROWN	96	92	86	84	77	24	6	A-4(3)	S939	17.4
518+00	25'RT	0-5	BROWN	97	90	82	78	58	22	5	A-4(0)	S940	18.4
518+00	36'RT	0-4Z	BROWN	94	89	84	80	59	ND	NP	A-4(0)	S941	17.3
526+00	6'LT	0-5	BROWN	98	95	92	88	66	30	12	A-6(6)	S942	18.7
526+00	15'LT	0-5	BROWN	96	89	83	79	52	26	8	A-4(1)	S943	15.2
526+00	27'LT	0-5	BROWN	96	95	87	88	66	26	8	A-4(3)	S944	20.8
534+00	15'RT	0-5	BROWN	93	86	78	72	50	25	10	A-4(2)	S945	15
534+00	26'RT	0-5	BROWN	95	85	77	72	53	24	9	A-4(2)	S946	15.5
542+00	6'LT	0-3.5Z	BROWN	98	92	86	82	53	24	7	A-4(1)	S947	11.1
542+00	15'LT	0-4Z	BROWN	97	90	82	79	45	24	7	A-4(0)	S948	9.3
542+00	25'LT	0-3.5Z	BROWN	89	83	76	66	39	25	8	A-4(0)	S949	13.9
550+00	18'RT	0-5	BROWN	94	86	78	64	37	ND	NP	A-4(2)	S950	8.6
550+00	25'RT	0-5	BROWN	96	88	80	62	38	ND	NP	A-4(0)	S951	8.8
550+00	32'RT	0-4Z	BROWN	89	83	78	55	29	ND	NP	A-2-4(0)	S952	7.5
558+00	6'LT	0-5	RD/BR	97	93	90	88	55	25	8	A-4(2)	S953	10.4
558+00	18'LT	0-5	BROWN	97	92	92	90	52	25	9	A-4(2)	S954	17.7
558+00	33'LT	0-5	BROWN	93	88	84	82	51	24	6	A-4(0)	S955	10.2
566+00	36'RT	0-5	RD/BR	82	74	69	65	38	ND	NP	A-4(0)	RV1088	
566+00	18'RT	0-5	RD/BR	97	93	90	88	52	ND	NP	A-4(0)	S956	12.8
566+00	26'RT	0-5	RD/BR	97	93	90	88	60	37	17	A-6(8)	S957	21.5
566+00	36'RT	0-5	RD/BR	85	62	58	55	36	27	9	A-4(0)	S958	12.1
574+00	6'LT	0-5	BROWN	98	90	84	82	51	ND	NP	A-4(0)	S959	13

comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
574+00	15'LT	0-5	BROWN	97	92	87	86	84	23	6	A-4(1)	S960	13.5
574+00	32'LT	0-5	RD/BR	99	97	96	94	90	27	7	A-4(2)	S961	16.8
582+00	12'RT	0-5	BROWN	91	82	74	65	41	20	3	A-4(0)	S962	10.2
582+00	27'RT	0-5	BROWN	96	90	86	86	82	23	7	A-4(1)	S963	10
582+00	40'RT	0-5	BROWN	77	68	61	47	35	24	8	A-2-4(0)	S964	10.3
590+00	18'LT	0-5	BROWN	95	91	88	88	83	27	13	A-6(2)	S965	15.1
590+00	26'LT	0-5	BROWN	85	75	69	66	67	20	5	A-4(0)	S966	16.3
590+00	40'LT	0-5	BROWN	88	80	73	62	45	22	6	A-4(0)	S967	13.3
598+00	6'RT	0-5	BR/RD	92	84	80	80	74	ND	NP	A-2-4(0)	S968	7.4
598+00	15'RT	0-5	BR/RD	95	83	74	58	40	19	4	A-4(0)	S969	6.1
598+00	26'RT	0-5	BROWN	87	80	75	50	31	ND	NP	A-2-4(0)	S970	7.7
606+00	18'LT	0-5	BROWN	96	90	85	81	75	17	4	A-4(0)	S971	18.8
606+00	25'LT	0-5	BROWN	95	86	80	62	49	23	9	A-4(1)	S972	13.2
606+00	35'LT	0-5	BROWN	97	92	92	83	75	22	10	A-4(1)	S973	12.8
614+00	6'RT	0-4Z	BROWN	92	84	78	47	31	ND	NP	A-2-4(0)	S974	8.1
614+00	15'RT	0-5	RD/BR	95	85	78	52	37	20	5	A-4(0)	S975	12
614+00	25'RT	0-3Z	BROWN	95	90	84	54	34	ND	NP	A-2-4(0)	S976	6.3
622+00	15'LT	0-5	BROWN	93	86	81	63	39	20	6	A-4(0)	S977	10.9
622+00	25'LT	0-5	BROWN	88	77	68	55	36	20	4	A-4(0)	S978	10.6
622+00	35'LT	0-5	BROWN	91	83	78	61	38	21	5	A-4(0)	S979	11.1
630+00	6'RT	0-5	BROWN	96	92	89	79	75	ND	NP	A-4(0)	S980	16.1
630+00	15'RT	0-5	BROWN	76	59	50	42	28	20	5	A-2-4(0)	S981	7.9
630+00	25'RT	0-5	BROWN	97	90	85	63	33	ND	NP	A-2-4(0)	S982	8.2
638+00	15'LT	0-5	BROWN	96	88	82	77	67	27	8	A-4(3)	S983	14.8
638+00	25'LT	0-5	BROWN	96	90	84	77	65	26	9	A-4(3)	S984	14.5
638+00	35'LT	0-5	BROWN	90	83	78	74	62	26	8	A-4(3)	S985	16.2
646+00	6'RT	0-5	BROWN	96	90	85	82	72	29	9	A-4(5)	S986	16
646+00	18'RT	0-5	BROWN	95	88	82	78	63	25	6	A-4(2)	S987	15

comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013



STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
654+00	18'LT	0-4.5Z	BROWN	97	83	65	50	36	23	8	A-4(2)	S988	12.4
654+00	25'LT	0-5	BROWN	91	78	60	47	37	24	9	A-4(1)	S989	9.9
654+00	35'LT	0-5	BROWN	90	76	59	46	36	24	7	A-4(1)	S990	10.3
662+00	28'RT	0-5	RD/BR	81	69	50	37	29	28	9	A-4(4)	RV1089	
662+00	6'RT	0-5	RD/BR	86	70	55	42	37	15	3	A-4(0)	S991	6.7
662+00	18'RT	0-5	RD/BR	87	72	57	44	38	17	3	A-4(0)	S992	9.9
662+00	28'RT	0-5	BR/RD	85	70	50	37	30	23	6	A-4(2)	S993	14.9
670+00	18'LT	0-5	BROWN	94	80	63	49	36	30	12	A-6(6)	S994	16.7
670+00	25'LT	0-5	BROWN	91	78	62	48	34	21	7	A-4(1)	S995	9.1
670+00	35'LT	0-5	BROWN	91	78	60	46	36	23	7	A-4(2)	S996	14.4
678+00	6'RT	0-5	BROWN	90	76	60	46	35	26	8	A-4(2)	S997	12.1
678+00	18'RT	0-4.5Z	BROWN	91	76	59	46	35	22	6	A-4(0)	S998	14.4
678+00	28'RT	0-3Z	BROWN	86	70	57	40	30	21	4	A-4(0)	S999	11.9
686+00	35'LT	0-3Z	BROWN	91	78	62	50	37	23	5	A-2-4(0)	S1000	5.1
694+00	6'RT	0-5	BROWN	91	76	60	40	30	29	8	A-4(3)	S1001	15.5
694+00	15'RT	0-5	BROWN	92	80	63	49	35	28	8	A-4(3)	S1002	12.6
694+00	25'RT	0-5	BROWN	92	80	60	40	30	28	7	A-4(2)	S1003	13.6
702+00	15'LT	0-5	BROWN	94	80	60	40	30	ND	NP	A-4(0)	S1004	8.4
702+00	25'LT	0-5	BROWN	91	76	60	52	44	18	3	A-4(0)	S1005	8.2
702+00	35'LT	0-5	BROWN	91	80	60	45	30	ND	NP	A-2-4(0)	S1006	10.5
710+00	6'RT	0-5	BROWN	91	78	62	49	39	24	9	A-4(2)	S1007	11.3
710+00	15'RT	0-5	BROWN	91	80	60	50	30	22	6	A-4(0)	S1008	4.1
710+00	25'RT	0-5	BROWN	97	83	60	45	35	25	7	A-4(2)	S1009	6.5
718+00	15'LT	0-5	BROWN	90	76	62	45	37	24	6	A-4(1)	S1010	7.8
718+00	25'LT	0-5	BROWN	94	80	63	50	38	28	8	A-4(2)	S1011	8.6
718+00	35'LT	0-5	BR/GR	74	60	39	26	22	22	4	A-1-B(0)	S1012	3.6
726+00	6'RT	0-5	BROWN	90	76	60	45	38	27	9	A-4(3)	S1013	8.8
726+00	15'RT	0-5	BROWN	79	70	62	46	37	26	20	A-6(5)	S1014	13.9

comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
726+00	25'RT	0-5	BROWN	86	79	72	65	57	26	19	A-6(7)	S1015	12.4
734+00	18'LT	0-3Z	BROWN	81	69	59	51	49	21	6	A-4(0)	S1016	8.9
734+00	25'LT	0-3Z	BROWN	90	80	75	58	52	ND	NP	A-2-4(0)	S1017	7.9
734+00	35'LT	0-4Z	BROWN	87	75	68	54	41	ND	NP	A-2-4(0)	S1018	5.4
742+00	6'RT	0-5	BROWN	94	85	75	72	66	25	8	A-4(3)	S1019	13
742+00	15'RT	0-5	BROWN	97	90	84	77	68	26	9	A-4(4)	S1020	13.5
742+00	25'RT	0-5	BROWN	96	91	87	83	69	22	6	A-4(2)	S1021	12.6
750+00	18'LT	0-5	BROWN	96	87	79	76	63	27	13	A-6(7)	S1022	7.7
750+00	25'LT	0-5	BROWN	94	82	65	61	56	23	8	A-4(2)	S1023	10.4
750+00	35'LT	0-5	BROWN	93	84	74	72	70	27	9	A-4(4)	S1024	8.5
758+00	6'RT	0-5	BROWN	90	77	61	57	57	24	7	A-4(1)	S1025	11.9
758+00	15'RT	0-5	BROWN	91	82	71	69	66	27	10	A-4(4)	S1026	19.6
758+00	25'RT	0-5	BROWN	89	80	74	68	65	26	7	A-4(2)	S1027	11.4
766+00	18'LT	0-5	BROWN	94	87	79	76	68	27	10	A-4(4)	S1028	17.7
766+00	25'LT	0-5	BROWN	86	75	64	58	50	23	8	A-4(1)	S1029	16.5
766+00	35'LT	0-5	BROWN	88	80	69	60	53	25	7	A-4(1)	S1030	16.4
774+00	6'RT	0-5	BROWN	98	93	86	84	79	27	11	A-6(7)	S1031	19.9
774+00	15'RT	0-4Z	BROWN	96	88	79	76	71	30	10	A-4(5)	S1032	17.9
774+00	25'RT	0-4Z	BROWN	96	89	80	68	67	24	7	A-4(1)	S1033	13.4
782+00	12'LT	0-5	BROWN	88	73	55	48	40	22	5	A-4(0)	S1034	14.4
782+00	27'LT	0-5	BROWN	92	77	62	53	41	23	5	A-4(0)	S1035	13.8
782+00	40'LT	0-5	BROWN	92	85	74	69	58	24	8	A-4(2)	S1036	15.3
790+00	6'RT	0-5	BROWN	97	93	87	85	83	38	21	A-6(17)	S1037	16.8
790+00	25'RT	0-5	BROWN	97	91	82	80	77	34	19	A-6(13)	S1038	15.5
790+00	35'RT	0-5	BROWN	89	76	63	58	51	27	12	A-6(3)	S1039	21.5
798+00	15'LT	0-5	RD/BR	92	81	73	69	59	20	7	A-4(0)	S1040	13.9
798+00	25'LT	0-5	BROWN	94	79	57	48	38	ND	NP	A-4(0)	S1041	4.3
798+00	35'LT	0-5	BROWN	82	65	55	50	50	20	3	A-2-4(0)	S1042	8.1

comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
806+00	15'RT	0-5	BROWN	92	82	72	69	57	25	8	A-4(2)	S1043	11.8
806+00	25'RT	0-5	RD/BR	95	86	75	67	46	18	5	A-4(0)	S1044	11.1
806+00	36'RT	0-5	BROWN	90	81	75	68	55	26	11	A-6(3)	S1045	14.5
814+00	15'LT	0-5	BROWN	91	81	72	68	60	30	15	A-6(6)	S1046	14.1
814+00	25'LT	0-5	BROWN	92	82	74	69	60	30	13	A-6(5)	S1047	13.5
814+00	35'LT	0-5	BROWN	68	56	48	45	40	29	12	A-6(1)	S1048	11.9
822+00	15'LT	0-5	BROWN	93	85	79	70	57	34	20	A-6(8)	S1049	16.2
822+00	25'LT	0-5	BROWN	93	89	85	76	60	31	17	A-6(7)	S1050	18.4
822+00	35'LT	0-5	BROWN	82	73	66	59	50	28	12	A-6(3)	S1051	14.7
830+00	35'RT	0-5	RD/BR	77	69	65	54	43	30	17	A-6(3)	RV1090	
830+00	15'RT	0-5	RD/BR	87	74	59	52	41	21	5	A-4(0)	S1052	10.1
830+00	25'RT	0-5	RD/BR	89	82	79	60	44	25	10	A-4(1)	S1053	12.2
830+00	35'RT	0-5	RD/BR	84	89	61	67	40	24	10	A-4(1)	S1054	16.8
838+00	25'LT	0-5	BROWN	72	56	46	44	38	27	13	A-6(1)	RV1091	
838+00	6'LT	0-5	BROWN	81	69	50	45	37	23	9	A-2-4(0)	S1055	15.3
838+00	15'LT	0-5	BROWN	57	51	26	43	34	28	13	A-2-6(0)	S1056	12.5
838+00	25'LT	0-5	BROWN	93	81	65	56	42	23	6	A-4(0)	S1057	17.3
846+00	18'RT	0-5	BROWN	93	88	83	79	72	33	17	A-6(10)	S1058	27.2
846+00	25'RT	0-5	BROWN	87	77	67	62	55	26	11	A-6(3)	S1059	22.1
846+00	36'RT	0-5	BROWN	90	83	75	69	64	25	10	A-4(4)	S1060	18.1
854+00	6'LT	0-5	BR/RD	88	77	69	64	49	23	10	A-4(2)	S1061	14
854+00	15'LT	0-5	BR/RD	89	77	63	57	45	23	9	A-4(1)	S1062	15.8
854+00	25'LT	0-5	BR/RD	89	83	77	73	49	23	4	A-4(0)	S1063	10.3
862+00	18'RT	0-5	BROWN	90	83	77	62	42	21	8	A-4(0)	S1064	13.1
862+00	25'RT	0-5	BROWN	92	86	81	60	38	ND	NP	A-4(0)	S1065	11.5
862+00	35'RT	0-5	BROWN	85	76	69	76	42	22	5	A-4(0)	S1066	12.1
870+00	6'LT	0-5	RD/BR	90	81	75	58	40	19	5	A-4(0)	S1067	18.4
870+00	15'LT	0-5	BROWN	86	75	65	64	38	19	6	A-4(0)	S1068	16

comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
870+00	25'LT	0-5	BROWN	83	77	74	69	46	22	6	A-4(0)	S1069	16.1
878+00	15'RT	0-5	BROWN	81	66	49	40	30	21	5	A-2-4(0)	S1070	4.5
878+00	25'RT	0-5	BROWN	96	84	69	56	46	22	5	A-4(0)	S1071	13.7
878+00	35'RT	0-5	BR/RD	89	79	70	62	48	24	9	A-4(1)	S1072	9.8
886+00	6'LT	0-5	RD/BR	91	83	76	69	50	18	4	A-4(0)	S1073	20.6
886+00	15'LT	0-5	BROWN	93	82	70	63	48	23	9	A-4(1)	S1074	17.5
886+00	25'LT	0-5	BROWN	74	66	55	48	37	22	3	A-4(0)	S1075	9
894+00	15'RT	0-5	GRAY	84	71	63	60	47	28	15	A-6(3)	S1076	18
894+00	25'RT	0-4.5Z	RD/BR	91	80	71	66	50	27	14	A-6(3)	S1077	13.4
894+00	35'RT	0-4Z	RD/BR	72	60	50	51	36	ND	NP	A-4(0)	S1078	8.7
902+00	15'LT	0-5	BR/GR	89	75	62	61	49	28	15	A-6(4)	S1079	28.6
902+00	25'LT	0-5	BR/GR	76	69	64	61	48	27	10	A-4(2)	S1080	17.8
902+00	35'LT	0-5	RD/BR	87	81	79	77	69	36	17	A-6(10)	S1081	23.4
910+00	15'RT	0-5	BROWN	94	94	69	64	51	23	9	A-4(1)	S1082	14.4
910+00	25'RT	0-5	RD/BR	86	76	68	65	51	22	8	A-4(1)	S1083	18
910+00	35'RT	0-5	BROWN	82	66	51	47	35	25	11	A-2-6(0)	S1084	12.7
918+00	21'LT	0-5	BROWN	93	84	75	72	62	35	21	A-6(10)	S1085	18.4
918+00	30'LT	0-5	BROWN	81	67	56	51	45	29	15	A-6(3)	S1086	14.3
918+00	40'LT	0-5	BR/GR	86	77	70	64	57	29	14	A-6(5)	S1087	13.2

comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

**JOB:** 080423  
**JOB NAME:** BEE BRANCH-NORTH (S)

*Arkansas State Highway Transportation Department  
 Materials Division*

**DATE TESTED**  
 6/12/2013

**COUNTY NO.** 71

*Michael Benson, Materials Engineer*

**STA # LOC.**

**PAVEMENT SOUNDINGS**

502+00	15RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7	8.0
		12.5XW	---		
502+00	23RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7	9.0
		10.0W	---		
510+00	06LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7	10.0
		9.0WX	4.0WX		
510+00	14LT	ACHMSC	AGG.BASE CRS.CL-7	10.0	
		12.0W			
518+00	15RT	ACHMSC	AGG.BASE CRS.CL-7	9.0	
		12.0W	9.0		
518+00	25RT	ACHMSC	AGG.BASE CRS.CL-7	9.0	
		11.5W			
518+00	36RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7	
		---	---		
526+00	6LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7	10.0
		12.75W	2.75		
526+00	15LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7	8.0
		9.0W	---		
526+00	27LT	ACHMSC	AGG.BASE CRS.CL-7	---	
		---	---		
534+00	15RT	ACHMSC	AGG.BASE CRS.CL-7	9.0	
		12.0W			
534+00	26RT	ACHMSC	AGG.BASE CRS.CL-7	9.0	
		12.0WX			
542+00	6LT	ACHMSC	AGG.BASE CRS.CL-7	10.0	
		12.0WX			
542+00	15LT	ACHMSC	AGG.BASE CRS.CL-7	12.0	
		6.0W			
542+00	25LT	ACHMSC	AGG.BASE CRS.CL-7	---	
		---	---		
550+00	18RT	ACHMSC	AGG.BASE CRS.CL-7	8.0	
		11.5W			
550+00	25RT	ACHMSC	AGG.BASE CRS.CL-7	12.0	
		6.5W			

**Comments:** W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

550+00	32RT	ACHMSC	---	AGG.BASE CRS.CL-7	
558+00	6LT	ACHMSC	12.5W	ACHMBC	AGG.BASE CRS.CL-7 10.0
558+00	18LT	ACHMSC	9.5W	ACHMBC	AGG.BASE CRS.CL-7 10.0
558+00	33LT	ACHMSC	---	ACHMBC	AGG.BASE CRS.CL-7 ---
566+00	18RT	ACHMSC	12.0W	AGG.BASE CRS.CL-7	11.0
566+00	26RT	ACHMSC	4.5W	AGG.BASE CRS.CL-7	11.0
566+00	36RT	ACHMSC	---	AGG.BASE CRS.CL-7	---
574+00	6LT	ACHMSC	7.0WX	ACHMBC	AGG.BASE CRS.CL-7 11.0
574+00	15LT	ACHMSC	9.0W	ACHMBC	AGG.BASE CRS.CL-7 12.0
574+00	32LT	ACHMSC	---	ACHMBC	AGG.BASE CRS.CL-7 ---
582+00	12RT	ACHMSC	5.5W	ACHMBC	AGG.BASE CRS.CL-7 10.0
582+00	27RT	ACHMSC	5.0W	ACHMBC	AGG.BASE CRS.CL-7 12.0
582+00	40RT	ACHMSC	---	ACHMBC	AGG.BASE CRS.CL-7 ---
590+00	18LT	ACHMSC	7.5WX	ACHMBC	AGG.BASE CRS.CL-7 6.0
590+00	26LT	ACHMSC	4.5	ACHMBC	AGG.BASE CRS.CL-7 10.0
590+00	40LT	ACHMSC	---	ACHMBC	AGG.BASE CRS.CL-7 ---
598+00	6RT	ACHMSC	6.0W	ACHMBC	AGG.BASE CRS.CL-7 13.0
598+00	15RT	ACHMSC	5.75W	ACHMBC	AGG.BASE CRS.CL-7 12.0
598+00	26RT	ACHMSC	---	ACHMBC	AGG.BASE CRS.CL-7 ---

Comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

606+00	18LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		6.0WX	8.0WX	13.0
606+00	25LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		6.0WX	---	13.0
606+00	35LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		---	---	---
614+00	6RT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		5.0W	8.0WX	12.0
614+00	15RT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		5.5W	---	12.0
614+00	25RT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		---	---	---
622+00	15LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		6.25WX	5.5WX	11.0
622+00	25LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		3.25	---	12.0
622+00	35LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		---	---	---
630+00	6RT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		5.50W	7.5WX	12.0
630+00	15RT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		5.0W	---	13.0
630+00	25RT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		---	---	---
638+00	15LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		5.0WX	6.25W	10.0
638+00	25LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		4.5W	---	10.0
638+00	35LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		---	---	---
646+00	6RT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		7.0WX	8.0WX	12.0
646+00	18RT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		9.0WX	---	12.0
654+00	18LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		5.5W	10.5W	10.0
654+00	25LT	ACHMSC	ACHMBC	AGG:BASE CRS.CL-7
		2.5	---	10.0

Comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

654+00	35LT	ACHMSC	---	ACHMBC	---	AGG.BASE CRS.CL-7	---
662+00	6RT	ACHMSC	ACHWBC	ACHWBC	7.0WX	AGG.BASE CRS.CL-7	13.0
662+00	18RT	ACHMSC	ACHWBC	ACHWBC	5.5WX	AGG.BASE CRS.CL-7	14.0
662+00	28RT	ACHMSC	---	ACHWBC	---	AGG.BASE CRS.CL-7	---
670+00	18LT	ACHMSC	ACHMBC	ACHMBC	13.25W	AGG.BASE CRS.CL-7	8.0
670+00	25LT	ACHMSC	ACHMBC	ACHMBC	8.0WX	AGG.BASE CRS.CL-7	10.0
670+00	35LT	ACHMSC	---	ACHMBC	---	AGG.BASE CRS.CL-7	---
678+00	6RT	ACHMSC	ACHMBC	ACHMBC	7.5W	AGG.BASE CRS.CL-7	2.0
678+00	18RT	ACHMSC	ACHMBC	ACHMBC	5.25W	AGG.BASE CRS.CL-7	12.0
678+00	28RT	ACHMSC	---	AGG.BASE CRS.CL-7	---	---	---
686+00	35LT	ACHMSC	---	AGG.BASE CRS.CL-7	---	---	---
694+00	6RT	ACHMSC	ACHMBC	ACHMBC	8.25W	AGG.BASE CRS.CL-7	12.0
694+00	15RT	ACHMSC	ACHMBC	ACHMBC	5.0W	AGG.BASE CRS.CL-7	13.0
694+00	25RT	ACHMSC	ACHMBC	ACHMBC	---	AGG.BASE CRS.CL-7	---
702+00	15LT	ACHMSC	AGG.BASE CRS.CL-7	AGG.BASE CRS.CL-7	8.0WX	AGG.BASE CRS.CL-7	10.0
702+00	25LT	ACHMSC	AGG.BASE CRS.CL-7	AGG.BASE CRS.CL-7	4.0	AGG.BASE CRS.CL-7	12.0
702+00	35LT	ACHMSC	---	AGG.BASE CRS.CL-7	---	---	---
710+00	6RT	ACHMSC	ACHMBC	ACHMBC	5.5W	AGG.BASE CRS.CL-7	10.0
710+00	15RT	ACHMSC	ACHMBC	ACHMBC	4.5W	AGG.BASE CRS.CL-7	12.0

Comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=Auger Refusal

Friday, June 21, 2013



710+00	25RT	ACHMSC	ACH-MBC	AGG.BASE CRS.CL-7
718+00	15LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
718+00	25LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
718+00	35LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
726+00	6RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
726+00	15RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
726+00	25RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
734+00	18LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
734+00	25LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
734+00	35LT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
742+00	6RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
742+00	15RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
742+00	25RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
750+00	18LT	ACHMSC	ACHMSC	AGG.BASE CRS.CL-7
750+00	25LT	ACHMSC	ACHMSC	AGG.BASE CRS.CL-7
750+00	35LT	ACHMSC	ACHMSC	AGG.BASE CRS.CL-7
758+00	6RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
758+00	15RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7
758+00	25RT	ACHMSC	ACHMBC	AGG.BASE CRS.CL-7

Comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

766+00	18LT	ACHMSC	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
		5.0W	8.0W		4.0
766+00	25LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		4.0			4.0
766+00	35LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
774+00	6RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		12.0W	7.5W		10.0
774+00	15RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		7.0WX	9.0W		11.0
774+00	25RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
782+00	12LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		12.0W			12.0
782+00	27LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		4.5			12.0
782+00	40LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
790+00	6RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		6.75W	9.0W		10.0
790+00	25RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		6.0WX			
790+00	35RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
798+00	15LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		6.0W	9.0W		10.0
798+00	25LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		2.5			12.0
798+00	35LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
806+00	15RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		4.0W	14.0W		10.0
806+00	25RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		2.25			12.0
806+00	36RT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
814+00	15LT	ACHMSC	ACHMBC	ACHMBC	AGG. BASE CRS. CL-7
		7.0W	8.0W		12.0

Comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

814+00	25LT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	4.0	---	---	12.0
814+00	35LT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	---	---	---	---
822+00	15LT	ACHMSC	AGG. BASE CRS. CL-7	14.0
	15.5W	---	---	---
822+00	25LT	ACHMSC	AGG. BASE CRS. CL-7	14.0
	2.0	---	---	---
822+00	35LT	ACHMSC	AGG. BASE CRS. CL-7	---
	---	---	---	---
830+00	15RT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	7.5W	8.0W	---	12.0
830+00	25RT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	7.5WX	---	---	10.0
830+00	35RT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	---	---	---	---
838+00	6LT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	6.75WX	7.0W	---	12.0
838+00	15LT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	6.0WX	---	---	12.0
838+00	25LT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	---	---	---	---
846+00	18RT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	7.5WX	8.0W	---	10.0
846+00	25RT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	6.0WX	---	---	10.0
846+00	36RT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	---	---	---	---
854+00	6LT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	6.5W	8.0W	---	12.0
854+00	15LT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	7.0W	---	---	13.0
854+00	25LT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	---	---	---	---
862+00	18RT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	6.0W	7.0W	---	8.0
862+00	25RT	ACHMSC	ACHMBC	AGG. BASE CRS. CL-7
	5.25W	---	---	10.0

Comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

862+00	35FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
870+00	6LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
870+00	15LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
870+00	25LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
873+00	15FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
873+00	25FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
873+00	35FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
878+00	6LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
878+00	15LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
878+00	25LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
886+00	15FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
886+00	25FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
886+00	35FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
894+00	15FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
894+00	25FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
894+00	35FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
902+00	15LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
902+00	25LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
902+00	35LT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
910+00	15FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
910+00	25FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7
910+00	35FRT	ACHMSC	ACHMBC	AGG. BASE CRS.CL-7

Comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

918+00	21'LT	ACHMSC 5.0W	ACHMBC 11.5W	AGG. BASE CRS.CL-7 11.0
918+00	30'LT	ACHMSC 2.75	ACHMBC ---	AGG. BASE CRS.CL-7 12.0
918+00	40'LT	ACHMSC ---	ACHMBC ---	AGG. BASE CRS.CL-7 ---

Comments: W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

Friday, June 21, 2013

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 1
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132432	- 20132433	- 20132434
SAMPLE ID	- S935	- S936	- S937
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 502+00	- 502+00	- 510+00
LOCATION	- 15'RT	- 23'RT	- 06'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 27 27.00	- 35 27 27.10	- 35 27 32.20
LONGITUDE DEG-MIN-SEC	- 92 24 14.10	- 92 24 14.10	- 92 24 21.10
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	100	-
	3/8 IN. - 100	98	100
	NO. 4 - 95	93	99
	NO. 10 - 85	82	95
	NO. 40 - 75	71	89
	NO. 80 - 71	67	86
	NO. 200 - 51	44	58
LIQUID LIMIT	- 23	- 22	- 25
PLASTICITY INDEX	- 5	- 4	- 8
AASHTO SOIL	- A-4(0)	- A-4(0)	- A-4(2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 14.9	- 15.8	- 12.3
ACHMSC (IN)	- 12.5XW	- 10.0W	- 9.0WX
ACHMBC (IN)	- ----	- ----	- 4.0WX
AGG.BASE CRS.CL-7 (IN)	- 8.0	- 9.0	- 10.0
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/12/13	SEQUENCE NO.	- 2
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	-	20132435	-	20132436	-	20132437
SAMPLE ID	-	S938	-	S939	-	S940
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	510+00	-	518+00	-	518+00
LOCATION	-	14'LT	-	15'RT	-	25'RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 27 32.10	-	35 27 37.70	-	35 27 37.70
LONGITUDE DEG-MIN-SEC	-	92 24 21.10	-	92 24 27.60	-	92 24 27.50
% PASSING	2 IN.	-	-	-	-	-
	1 1/2 IN.	-	-	-	-	-
	3/4 IN.	- 100	-	100	-	-
	3/8 IN.	- 99	-	99	-	100
	NO. 4	- 93	-	96	-	97
	NO. 10	- 87	-	92	-	90
	NO. 40	- 78	-	86	-	82
	NO. 80	- 74	-	84	-	78
	NO. 200	- 64	-	77	-	58
LIQUID LIMIT	-	28	-	24	-	22
PLASTICITY INDEX	-	10	-	6	-	5
AASHTO SOIL	-	A-4 (4)	-	A-4 (3)	-	A-4 (0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	18.6	-	17.4	-	18.4
ACHMSC	(IN)	- 12.0W	-	12.0W	-	11.5W
AGG.BASE CRS.CL-7	(IN)	- 10.0	-	9.0	-	9.0
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 3
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132438	- 20132439	- 20132440
SAMPLE ID	- S941	- S942	- S943
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 518+00	- 526+00	- 526+00
LOCATION	- 36'RT	- 6'LT	- 15'LT
DEPTH IN FEET	- 0-4Z	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 27 37.80	- 35 27 43.20	- 35 27 43.20
LONGITUDE DEG-MIN-SEC	- 92 24 27.40	- 92 24 33.60	- 92 24 33.70
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	-	- 100
3/8 IN.	- 99	- 100	- 99
NO. 4	- 94	- 98	- 96
NO. 10	- 89	- 95	- 89
NO. 40	- 84	- 92	- 83
NO. 80	- 80	- 88	- 79
NO. 200	- 59	- 66	- 52
LIQUID LIMIT	- ND	- 30	- 26
PLASTICITY INDEX	- NP	- 12	- 8
AASHTO SOIL	- A-4 (0)	- A-6 (6)	- A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 17.3	- 18.7	- 15.2
ACHMSC (IN)	- ----	- 12.75W	- 9.0W
ACHMBC (IN)	- ----	- 2.75	- ----
AGG.BASE CRS.CL-7 (IN)	- ----	- 10.0	- 8.0
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

AASHTO TESTS : T24 T88 T89 T90 T265





















ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 12
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	-	20132465	-	20132466	-	20132467
SAMPLE ID	-	S968	-	S969	-	S970
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	598+00	-	598+00	-	598+00
LOCATION	-	6'RT	-	15'RT	-	26'RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BR/RD	-	BR/RD	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 28 40.50	-	35 28 40.60	-	35 28 40.60
LONGITUDE DEG-MIN-SEC	-	92 25 23.50	-	92 25 23.30	-	92 25 23.30
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	98	-	96
	NO. 4		-	92	-	87
	NO. 10		-	84	-	80
	NO. 40		-	80	-	75
	NO. 80		-	60	-	50
	NO. 200		-	34	-	31
LIQUID LIMIT	-	ND	-	19	-	ND
PLASTICITY INDEX	-	NP	-	4	-	NP
AASHTO SOIL	-	A-2-4(0)	-	A-4(0)	-	A-2-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	7.4	-	6.1	-	7.7
ACHMSC	(IN)	6.0W	-	5.75W	-	-----
ACHMBC	(IN)	9.0W	-	-----	-	-----
AGG.BASE CRS.CL-7	(IN)	13.0	-	12.0	-	-----
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
 MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 13
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132468	- 20132469	- 20132470
SAMPLE ID	- S971	- S972	- S973
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 606+00	- 606+00	- 606+00
LOCATION	- 18'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 28 47.30	- 35 28 47.30	- 35 28 47.20
LONGITUDE DEG-MIN-SEC	- 92 25 30.00	- 92 25 30.10	- 92 25 30.20
% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	- 100	-
	NO. 4	- 99	- 100
	NO. 10	- 96	- 97
	NO. 40	- 90	- 94
	NO. 80	- 85	- 92
	NO. 200	- 61	- 63
		- 49	- 45
LIQUID LIMIT	- 17	- 23	- 22
PLASTICITY INDEX	- 4	- 9	- 10
AASHTO SOIL	- A-4 (0)	- A-4 (1)	- A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 18.8	- 13.2	- 12.8
ACHMSC (IN)	- 6.0WX	- 6.0WX	- ----
ACHMBC (IN)	- 8.0WX	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 13.0	- 13.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
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	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/12/13	SEQUENCE NO.	- 14
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	-	20132471	-	20132472	-	20132473
SAMPLE ID	-	S974	-	S975	-	S976
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	614+00	-	614+00	-	614+00
LOCATION	-	6'RT	-	15'RT	-	25'RT
DEPTH IN FEET	-	0-4Z	-	0-5	-	0-3Z
MAT'L COLOR	-	BROWN	-	RD/BR	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 28 53.80	-	35 28 53.90	-	35 28 53.90
LONGITUDE DEG-MIN-SEC	-	92 25 34.70	-	92 25 34.50	-	92 25 34.40
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	100
	3/8	IN.	-	100	-	99
	NO. 4		-	95	-	95
	NO. 10		-	85	-	90
	NO. 40		-	78	-	84
	NO. 80		-	52	-	54
	NO. 200		-	37	-	34
LIQUID LIMIT	-	ND	-	20	-	ND
PLASTICITY INDEX	-	NP	-	5	-	NP
AASHTO SOIL	-	A-2-4 (0)	-	A-4 (0)	-	A-2-4 (0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	8.1	-	12.0	-	6.3
ACHMSC	(IN)	5.0W	-	5.5W	-	----
ACHMBC	(IN)	8.0WX	-	----	-	----
AGG.BASE CRS.CL-7	(IN)	12.0	-	12.0	-	----
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL  
-  
-  
-  
-

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE - 06/18/13 SEQUENCE NO. - 15  
JOB NUMBER - 080423 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 71  
SUPPLIER NAME - STATE DISTRICT NO. - 08  
NAME OF PROJECT - BEE BRANCH-NORTH (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - VAN BUREN COUNTY DATE SAMPLED - 05/22/13  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 05/28/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 06/12/13  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20132474	-	20132475	-	20132476
SAMPLE ID	-	S977	-	S978	-	S979
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	622+00	-	622+00	-	622+00
LOCATION	-	15'LT	-	25'LT	-	35'LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 29 1.90	-	35 29 1.90	-	35 29 1.90
LONGITUDE DEG-MIN-SEC	-	92 25 37.80	-	92 25 37.90	-	92 25 38.00

% PASSING	2	IN.	-	-	-	-
	1 1/2	IN.	-	-	-	-
	3/4	IN.	-	100	-	100
	3/8	IN.	-	99	-	98
	NO. 4		-	93	-	91
	NO. 10		-	86	-	83
	NO. 40		-	81	-	78
	NO. 80		-	63	-	61
	NO. 200		-	39	-	38

LIQUID LIMIT	-	20	-	20	-	21
PLASTICITY INDEX	-	6	-	4	-	5
AASHTO SOIL	-	A-4(0)	-	A-4(0)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	10.9	-	10.6	-	11.1

ACHMSC	(IN)	-	6.25WX	-	3.25	-	----
ACHMBC	(IN)	-	5.5WX	-	----	-	----
AGG.BASE CRS.CL-7	(IN)	-	11.0	-	12.0	-	----

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 16
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132477	- 20132478	- 20132479
SAMPLE ID	- S980	- S981	- S982
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 630+00	- 630+00	- 630+00
LOCATION	- 6'RT	- 15'RT	- 25'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 9.40	- 35 29 9.40	- 35 29 9.40
LONGITUDE DEG-MIN-SEC	- 92 25 38.80	- 92 25 38.70	- 92 25 38.60
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	100	-
3/8 IN.	100	92	100
NO. 4	96	76	97
NO. 10	92	59	90
NO. 40	89	50	83
NO. 80	79	42	63
NO. 200	45	28	33

LIQUID LIMIT	- ND	- 20	- ND
PLASTICITY INDEX	- NP	- 5	- NP
AASHTO SOIL	- A-4(0)	- A-2-4(0)	- A-2-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 16.1	- 7.9	- 8.2
ACHMSC (IN)	- 5.50W	- 5.0W	- ----
ACHMBC (IN)	- 7.5WX	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 12.0	- 13.0	- ----
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

AASHTO TESTS : T24 T88 T89 T90 T265

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 17
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132480	- 20132481	- 20132482
SAMPLE ID	- S983	- S984	- S985
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 638+00	- 638+00	- 638+00
LOCATION	- 15'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 17.20	- 35 29 17.20	- 35 29 17.20
LONGITUDE DEG-MIN-SEC	- 92 25 41.30	- 92 25 41.40	- 92 25 41.50
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	100	100
	3/8 IN. - 100	99	98
	NO. 4 - 96	96	90
	NO. 10 - 88	90	83
	NO. 40 - 82	84	78
	NO. 80 - 77	77	74
	NO. 200 - 64	65	62
LIQUID LIMIT	- 27	- 26	- 26
PLASTICITY INDEX	- 8	- 9	- 8
AASHTO SOIL	- A-4 (3)	- A-4 (3)	- A-4 (3)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 14.8	- 14.5	- 16.2
ACHMSC (IN)	- 5.0WX	- 4.5W	- ----
ACHMBC (IN)	- 6.25WX	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 10.0	- 10.0	- ----
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 18
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132483	- 20132484	- 20132485
SAMPLE ID	- S986	- S987	- S988
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 646+00	- 646+00	- 654+00
LOCATION	- 6'RT	- 18'RT	- 18'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-4.5Z
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 24.80	- 35 29 24.80	- 35 29 32.60
LONGITUDE DEG-MIN-SEC	- 92 25 42.20	- 92 25 42.10	- 92 25 41.10
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	- 100	-
3/8 IN.	- 99	- 99	- 100
NO. 4	- 96	- 95	- 97
NO. 10	- 90	- 88	- 83
NO. 40	- 85	- 82	- 76
NO. 80	- 82	- 78	- 71
NO. 200	- 74	- 63	- 56
LIQUID LIMIT	- 29	- 25	- 23
PLASTICITY INDEX	- 9	- 6	- 8
AASHTO SOIL	- A-4(5)	- A-4(2)	- A-4(2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 16.0	- 15.0	- 12.4
ACHMSC (IN)	- 7.0WX	- 9.0WX	- 5.5W
ACHMBC (IN)	- 8.0WX	- ----	- 10.5W
AGG.BASE CRS.CL-7 (IN)	- 12.0	- 12.0	- 10.0
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

AASHTO TESTS : T24 T88 T89 T90 T265

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE - 06/13/13 SEQUENCE NO. - 19  
JOB NUMBER - 080423 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 71  
SUPPLIER NAME - STATE DISTRICT NO. - 08  
NAME OF PROJECT - BEE BRANCH-NORTH (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - VAN BUREN COUNTY DATE SAMPLED - 05/22/13  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 05/28/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 06/12/13  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20132486	-	20132487	-	20132488
SAMPLE ID	-	S989	-	S990	-	S991
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	654+00	-	654+00	-	662+00
LOCATION	-	25'LT	-	35'LT	-	6'RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	RD/BR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 29 32.60	-	35 29 32.70	-	35 29 40.30
LONGITUDE DEG-MIN-SEC	-	92 25 41.20	-	92 25 41.30	-	92 25 37.50
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-	100	-	
	3/4	IN.	-	96	-	
	3/8	IN.	-	93	-	100
	NO. 4		-	88	-	96
	NO. 10		-	80	-	90
	NO. 40		-	74	-	84
	NO. 80		-	69	-	64
	NO. 200		-	56	-	47
LIQUID LIMIT	-	24	-	24	-	15
PLASTICITY INDEX	-	9	-	7	-	3
AASHTO SOIL	-	A-4 (1)	-	A-4 (1)	-	A-4 (0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	9.9	-	10.3	-	6.7
ACHMSC (IN)	-	2.5	-	----	-	7.0WX
ACHMBC (IN)	-	----	-	----	-	7.0WX
AGG.BASE CRS.CL-7 (IN)	-	10.0	-	----	-	13.0
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL



ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 20
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132489	- 20132490	- 20132491
SAMPLE ID	- S992	- S993	- S994
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 662+00	- 662+00	- 670+00
LOCATION	- 18'RT	- 28'RT	- 18'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RD/BR	- BR/RD	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 40.20	- 35 29 40.20	- 35 29 47.60
LONGITUDE DEG-MIN-SEC	- 92 25 37.40	- 92 25 37.30	- 92 25 34.60
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	- 100	- 100
	3/8 IN. - 96	- 96	- 98
	NO. 4 - 87	- 87	- 94
	NO. 10 - 77	- 82	- 85
	NO. 40 - 77	- 80	- 79
	NO. 80 - 61	- 75	- 75
	NO. 200 - 53	- 69	- 66
LIQUID LIMIT	- 17	- 23	- 30
PLASTICITY INDEX	- 3	- 6	- 12
AASHTO SOIL	- A-4 (0)	- A-4 (2)	- A-6 (6)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 9.9	- 14.9	- 16.7
ACHMSC (IN)	- 5.5WX	- ----	- 13.25W
ACHMBC (IN)	- 1.5WX	- ----	- ----
AGG. BASE CRS. CL-7 (IN)	- 14.0	- ----	- 8.0
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
 MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 21
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132492	- 20132493	- 20132494
SAMPLE ID	- S995	- S996	- S997
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 670+00	- 670+00	- 678+00
LOCATION	- 25'LT	- 35'LT	- 6'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 47.60	- 35 29 47.60	- 35 29 55.30
LONGITUDE DEG-MIN-SEC	- 92 25 34.70	- 92 25 34.80	- 92 25 32.80
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	-	- 100
3/8 IN.	- 99	- 100	- 98
NO. 4	- 95	- 98	- 94
NO. 10	- 88	- 95	- 88
NO. 40	- 82	- 90	- 80
NO. 80	- 66	- 75	- 71
NO. 200	- 54	- 66	- 61
LIQUID LIMIT	- 21	- 23	- 26
PLASTICITY INDEX	- 7	- 7	- 8
AASHTO SOIL	- A-4 (1)	- A-4 (2)	- A-4 (2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 9.1	- 14.4	- 12.1
ACHMSC (IN)	- 8.0WX	- ----	- 7.5W
ACHMBC (IN)	- ----	- ----	- 8.0WX
AGG.BASE CRS.CL-7 (IN)	- 10.0	- ----	- 2.0
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 22
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132495	- 20132496	- 20132497
SAMPLE ID	- S998	- S999	- S1000
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 678+00	- 678+00	- 686+00
LOCATION	- 18'RT	- 28'RT	- 35'LT
DEPTH IN FEET	- 0-4.5Z	- 0-3Z	- 0-3Z
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 55.30	- 35 29 55.30	- 35 30 2.60
LONGITUDE DEG-MIN-SEC	- 92 25 32.60	- 92 25 32.40	- 92 25 35.30
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	- 100	-
3/8 IN.	- 97	- 93	- 100
NO. 4	- 93	- 86	- 93
NO. 10	- 85	- 76	- 83
NO. 40	- 76	- 67	- 57
NO. 80	- 64	- 50	- 30
NO. 200	- 53	- 36	- 27
LIQUID LIMIT	- 22	- 21	- 23
PLASTICITY INDEX	- 6	- 4	- 5
AASHTO SOIL	- A-4 (0)	- A-4 (0)	- A-2-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 14.4	- 11.9	- 5.1
ACHMSC (IN)	- 5.25W	-	-
AGG.BASE CRS.CL-7 (IN)	- 12.0	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL  
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ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE - 06/13/13 SEQUENCE NO. - 23  
JOB NUMBER - 080423 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 71  
SUPPLIER NAME - STATE DISTRICT NO. - 08  
NAME OF PROJECT - BEE BRANCH-NORTH (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - VAN BUREN COUNTY DATE SAMPLED - 05/22/13  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 05/28/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 06/12/13  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20132498	-	20132499	-	20132500	
SAMPLE ID	-	S1001	-	S1002	-	S1003	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY	
STATION	-	694+00	-	694+00	-	694+00	
LOCATION	-	6'RT	-	15'RT	-	25'RT	
DEPTH IN FEET	-	0-5	-	0-5	-	0-5	
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN	
MAT'L TYPE	-	-	-	-	-	-	
LATITUDE DEG-MIN-SEC	-	35 30 10.40	-	35 30 10.40	-	35 30 10.40	
LONGITUDE DEG-MIN-SEC	-	92 25 36.80	-	92 25 36.70	-	92 25 36.50	
% PASSING	2	IN.	-	-	-	-	
	1 1/2	IN.	-	-	-	-	
	3/4	IN.	-	-	-	100	
	3/8	IN.	-	100	-	96	
	NO. 4	-	95	-	97	-	92
	NO. 10	-	86	-	90	-	86
	NO. 40	-	75	-	78	-	80
	NO. 80	-	70	-	73	-	68
	NO. 200	-	63	-	67	-	60

LIQUID LIMIT	-	29	-	28	-	28	
PLASTICITY INDEX	-	8	-	8	-	7	
AASHTO SOIL	-	A-4 (3)	-	A-4 (3)	-	A-4 (2)	
UNIFIED SOIL	-	-	-	-	-	-	
% MOISTURE CONTENT	-	15.5	-	12.6	-	13.6	
ACHMSC	(IN)	-	8.25W	-	5.0W	-	----
ACHMBC	(IN)	-	6.0W	-	2.0	-	----
AGG.BASE CRS.CL-7	(IN)	-	12.0	-	13.0	-	----
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

AASHTO TESTS : T24 T88 T89 T90 T265

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ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 24
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132501	- 20132502	- 20132503
SAMPLE ID	- S1004	- S1005	- S1006
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 702+00	- 702+00	- 702+00
LOCATION	- 15'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 30 18.30	- 35 30 18.30	- 35 30 18.30
LONGITUDE DEG-MIN-SEC	- 92 25 36.30	- 92 25 36.40	- 92 25 36.50
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	- 100	-
	3/8 IN. - 99	- 97	- 100
	NO. 4 - 94	- 91	- 94
	NO. 10 - 91	- 85	- 90
	NO. 40 - 90	- 78	- 87
	NO. 80 - 60	- 62	- 45
	NO. 200 - 39	- 41	- 21

LIQUID LIMIT	- ND	- 18	- ND
PLASTICITY INDEX	- NP	- 3	- NP
AASHTO SOIL	- A-4(0)	- A-4(0)	- A-2-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 8.4	- 8.2	- 10.5
ACHMSC (IN)	- 8.0WX	- 4.0	- ----
AGG.BASE CRS.CL-7 (IN)	- 6.0WX	- ----	- ----
	- 10.0	- 12.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 25
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132504	- 20132505	- 20132506
SAMPLE ID	- S1007	- S1008	- S1009
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 710+00	- 710+00	- 710+00
LOCATION	- 6'RT	- 15'RT	- 25'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 30 25.60	- 35 30 25.60	- 35 30 25.60
LONGITUDE DEG-MIN-SEC	- 92 25 36.20	- 92 25 36.10	- 92 25 36.00
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	- 100	-
	3/8 IN. - 100	- 98	- 100
	NO. 4 - 96	- 92	- 97
	NO. 10 - 88	- 81	- 88
	NO. 40 - 82	- 70	- 80
	NO. 80 - 71	- 64	- 73
	NO. 200 - 59	- 51	- 66
LIQUID LIMIT	- 24	- 22	- 25
PLASTICITY INDEX	- 9	- 6	- 7
AASHTO SOIL	- A-4(2)	- A-4(0)	- A-4(2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 11.3	- 4.1	- 6.5
ACHMSC (IN)	- 5.5W	- 4.5W	- ----
ACHMBC (IN)	- 6.0W	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 10.0	- 12.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL  
-  
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ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
 MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 26
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132507	- 20132508	- 20132509
SAMPLE ID	- S1010	- S1011	- S1012
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 718+00	- 718+00	- 718+00
LOCATION	- 15'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 30 31.80	- 35 30 31.70	- 35 30 31.60
LONGITUDE DEG-MIN-SEC	- 92 25 42.10	- 92 25 42.10	- 92 25 42.20
% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	- 100	- 100
	NO. 4	- 99	- 96
	NO. 10	- 86	- 74
	NO. 40	- 72	- 45
	NO. 80	- 65	- 29
	NO. 200	- 57	- 25
		- 58	- 22
LIQUID LIMIT	- 24	- 28	- 22
PLASTICITY INDEX	- 6	- 8	- 4
AASHTO SOIL	- A-4(1)	- A-4(2)	- A-1-B(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 7.8	- 8.6	- 3.6
ACHMSC (IN)	- 5.5W	- 4.0	- ----
ACHMBC (IN)	- 7.0W	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 11.0	- 11.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 27
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132510	- 20132511	- 20132512
SAMPLE ID	- S1013	- S1014	- S1015
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 726+00	- 726+00	- 726+00
LOCATION	- 6'RT	- 15'RT	- 25'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 30 36.50	- 35 30 36.60	- 35 30 36.70
LONGITUDE DEG-MIN-SEC	- 92 25 49.50	- 92 25 49.50	- 92 25 49.50

% PASSING	2	IN.	-	-	-
	1 1/2	IN.	-	-	-
	3/4	IN.	-	100	- 100
	3/8	IN.	- 100	90	- 92
	NO. 4	-	90	79	- 86
	NO. 10	-	80	70	- 79
	NO. 40	-	71	64	- 72
	NO. 80	-	65	56	- 65
	NO. 200	-	58	47	- 57

LIQUID LIMIT	-	27	-	26	-	26
PLASTICITY INDEX	-	9	-	20	-	19
AASHTO SOIL	-	A-4 (3)	-	A-6 (5)	-	A-6 (7)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	8.8	-	13.9	-	12.4
ACHMSC	(IN)	- 5.5W	-	6.0WX	-	----
ACHMBC	(IN)	- 8.5W	-	----	-	----
AGG.BASE CRS.CL-7	(IN)	- 8.0	-	12.0	-	----
		-	-		-	
		-	-		-	
		-	-		-	
		-	-		-	
		-	-		-	
		-	-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL



ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 28
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132513	- 20132514	- 20132515
SAMPLE ID	- S1016	- S1017	- S1018
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 734+00	- 734+00	- 734+00
LOCATION	- 18'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-3Z	- 0-3Z	- 0-4Z
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 30 42.50	- 35 30 42.40	- 35 30 42.30
LONGITUDE DEG-MIN-SEC	- 92 25 55.60	- 92 25 55.70	- 92 25 55.80
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	- 100	- 100
3/8 IN.	- 91	- 97	- 97
NO. 4	- 81	- 90	- 87
NO. 10	- 69	- 80	- 75
NO. 40	- 59	- 75	- 68
NO. 80	- 51	- 58	- 54
NO. 200	- 39	- 32	- 31
LIQUID LIMIT	- 21	- ND	- ND
PLASTICITY INDEX	- 6	- NP	- NP
AASHTO SOIL	- A-4(0)	- A-2-4(0)	- A-2-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 8.9	- 7.9	- 5.4
ACHMSC (IN)	- 9.5W	- 4.25	- ----
ACHMBC (IN)	- 3.5W	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 12.0	- 10.0	- ----
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 29
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132516	- 20132517	- 20132518
SAMPLE ID	- S1019	- S1020	- S1021
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 742+00	- 742+00	- 742+00
LOCATION	- 6'RT	- 15'RT	- 25'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 30 47.20	- 35 30 47.30	- 35 30 47.40
LONGITUDE DEG-MIN-SEC	- 92 26 4.70	- 92 26 4.70	- 92 26 4.60
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	- 100
3/4 IN.	- 100	-	- 97
3/8 IN.	- 99	- 100	- 97
NO. 4	- 94	- 97	- 96
NO. 10	- 85	- 90	- 91
NO. 40	- 76	- 84	- 87
NO. 80	- 72	- 77	- 83
NO. 200	- 66	- 68	- 69

LIQUID LIMIT	- 25	- 26	- 22
PLASTICITY INDEX	- 8	- 9	- 6
AASHTO SOIL	- A-4 (3)	- A-4 (4)	- A-4 (2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 13.0	- 13.5	- 12.6
ACHMSC (IN)	- 6.75W	- 5.25W	- ----
ACHMBC (IN)	- 5.0W	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 12.0	- 11.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 30
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132519	- 20132520	- 20132521
SAMPLE ID	- S1022	- S1023	- S1024
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 750+00	- 750+00	- 750+00
LOCATION	- 18'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 30 51.10	- 35 30 51.00	- 35 30 50.90
LONGITUDE DEG-MIN-SEC	- 92 26 13.00	- 92 26 13.10	- 92 26 13.20
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	100	100
3/8 IN.	100	99	98
NO. 4	96	94	93
NO. 10	87	82	84
NO. 40	79	63	74
NO. 80	76	61	72
NO. 200	73	56	70

LIQUID LIMIT	- 27	- 23	- 27
PLASTICITY INDEX	- 13	- 8	- 9
AASHTO SOIL	- A-6(7)	- A-4(2)	- A-4(4)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 7.7	- 10.4	- 8.5
ACHMSC (IN)	- 6.0WX	- 3.25	- ----
ACHMSC (IN)	- 7.0WX	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 6.0	- 10.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE - 06/13/13 SEQUENCE NO. - 31  
JOB NUMBER - 080423 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 71  
SUPPLIER NAME - STATE DISTRICT NO. - 08  
NAME OF PROJECT - BEE BRANCH-NORTH (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - VAN BUREN COUNTY DATE SAMPLED - 05/22/13  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 05/28/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 06/12/13  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20132522	-	20132523	-	20132524
SAMPLE ID	-	S1025	-	S1026	-	S1027
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	758+00	-	758+00	-	758+00
LOCATION	-	6'RT	-	15'RT	-	25'RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	35 30 58.00	-	35 30 58.00	-	35 30 58.00
LONGITUDE DEG-MIN-SEC	-	92 26 17.80	-	92 26 17.70	-	92 26 17.60
% PASSING	2	IN. -	-	-	-	-
	1 1/2	IN. -	-	-	-	-
	3/4	IN. -	100	100	-	100
	3/8	IN. -	98	99	-	97
	NO. 4	-	90	91	-	89
	NO. 10	-	77	82	-	80
	NO. 40	-	61	71	-	71
	NO. 80	-	57	69	-	68
	NO. 200	-	54	66	-	65
LIQUID LIMIT	-	24	-	27	-	26
PLASTICITY INDEX	-	7	-	10	-	7
AASHTO SOIL	-	A-4 (1)	-	A-4 (4)	-	A-4 (2)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	11.9	-	19.6	-	11.4
ACHMSC	(IN)	6.0W	-	4.5W	-	-----
ACHMBC	(IN)	8.0W	-	-----	-	-----
AGG.BASE CRS.CL-7	(IN)	11.0	-	10.0	-	-----
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

AASHTO TESTS : T24 T88 T89 T90 T265

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 32
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132525	- 20132526	- 20132527
SAMPLE ID	- S1028	- S1029	- S1030
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 766+00	- 766+00	- 766+00
LOCATION	- 18'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 31 5.70	- 35 31 5.70	- 35 31 5.70
LONGITUDE DEG-MIN-SEC	- 92 26 19.30	- 92 26 19.40	- 92 26 19.50

% PASSING	2	IN.	-	-	-
	1 1/2	IN.	-	-	-
	3/4	IN.	- 100	- 100	- 100
	3/8	IN.	- 98	- 96	- 96
	NO. 4		- 94	- 86	- 88
	NO. 10		- 87	- 75	- 80
	NO. 40		- 79	- 64	- 69
	NO. 80		- 76	- 58	- 60
	NO. 200		- 68	- 50	- 53

LIQUID LIMIT	- 27	- 23	- 25
PLASTICITY INDEX	- 10	- 8	- 7
AASHTO SOIL	- A-4 (4)	- A-4 (1)	- A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 17.7	- 16.5	- 16.4
ACHMSC (IN)	- 5.0W	- 4.0	- ----
ACHMBC (IN)	- 8.0W	- ----	- ----
AGG.BASE CRS.CL-7 (IN)	- 4.0	- 4.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/19/13	SEQUENCE NO.	- 33
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132528	- 20132529	- 20132530
SAMPLE ID	- S1031	- S1032	- S1033
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 774+00	- 774+00	- 774+00
LOCATION	- 6'RT	- 15'RT	- 25'RT
DEPTH IN FEET	- 0-5	- 0-4Z	- 0-4Z
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 31 13.60	- 35 31 13.60	- 35 31 13.60
LONGITUDE DEG-MIN-SEC	- 92 26 19.60	- 92 26 19.40	- 92 26 19.30
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	100	-
	3/8 IN. - 100	99	100
	NO. 4 - 98	96	96
	NO. 10 - 93	88	89
	NO. 40 - 86	79	80
	NO. 80 - 84	76	68
	NO. 200 - 79	71	57
LIQUID LIMIT	- 27	- 30	- 24
PLASTICITY INDEX	- 11	- 10	- 7
AASHTO SOIL	- A-6 (7)	- A-4 (5)	- A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 19.9	- 17.9	- 13.4
ACHMSC	(IN) - 12.0W	- 7.0WX	- ----
ACHMBC	(IN) - 7.5W	- 9.0W	- ----
AGG.BASE CRS.CL-7	(IN) - 10.0	- 11.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE - 06/13/13 SEQUENCE NO. - 34  
JOB NUMBER - 080423 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 71  
SUPPLIER NAME - STATE DISTRICT NO. - 08  
NAME OF PROJECT - BEE BRANCH-NORTH (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - VAN BUREN COUNTY DATE SAMPLED - 05/22/13  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 05/28/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 06/12/13  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20132531	-	20132532	-	20132533
SAMPLE ID	-	S1034	-	S1035	-	S1036
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	782+00	-	782+00	-	782+00
LOCATION	-	12'LT	-	27'LT	-	40'LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 31 21.50	-	35 31 21.50	-	35 31 21.50
LONGITUDE DEG-MIN-SEC	-	92 26 20.60	-	92 26 20.60	-	92 26 20.80
% PASSING	2	IN.	-		-	
	1	1/2 IN.	-		-	
		3/4 IN.	-		-	
		3/8 IN.	-	100	-	100
		NO. 4	-	98	-	92
		NO. 10	-	88	-	92
		NO. 40	-	73	-	85
		NO. 80	-	55	-	74
		NO. 200	-	48	-	69
			-	41	-	58
LIQUID LIMIT	-	22	-	23	-	24
PLASTICITY INDEX	-	5	-	5	-	8
AASHTO SOIL	-	A-4 (0)	-	A-4 (0)	-	A-4 (2)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	14.4	-	13.8	-	15.3
ACHMSC (IN)	-	12.0W	-	4.5	-	----
AGG.BASE CRS.CL-7 (IN)	-	12.0	-	12.0	-	----
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

AASHTO TESTS : T24 T88 T89 T90 T265

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 35
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132534	- 20132535	- 20132536
SAMPLE ID	- S1037	- S1038	- S1039
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 790+00	- 790+00	- 790+00
LOCATION	- 6'RT	- 25'RT	- 35'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 31 29.40	- 35 31 29.50	- 35 31 29.50
LONGITUDE DEG-MIN-SEC	- 92 26 22.90	- 92 26 22.80	- 92 26 22.70
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	-	- 100
	3/8 IN. - 99	- 100	- 99
	NO. 4 - 97	- 97	- 89
	NO. 10 - 93	- 91	- 76
	NO. 40 - 87	- 82	- 63
	NO. 80 - 85	- 80	- 58
	NO. 200 - 83	- 77	- 51
LIQUID LIMIT	- 38	- 34	- 27
PLASTICITY INDEX	- 21	- 19	- 12
AASHTO SOIL	- A-6(17)	- A-6(13)	- A-6(3)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 16.8	- 15.5	- 21.5
ACHMSC (IN)	- 6.75W	- 6.0WX	- ----
ACHMBC (IN)	- 9.0W	- ----	- ----
AGG. BASE CRS.CL-7 (IN)	- 10.0	- ----	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

-  
-  
-  
-

AASHTO TESTS : T24 T88 T89 T90 T265



ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/13/13	SEQUENCE NO.	- 36
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132537	- 20132538	- 20132539
SAMPLE ID	- S1040	- S1041	- S1042
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 798+00	- 798+00	- 798+00
LOCATION	- 15'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-5	- <del>0-5</del> 32	- 0-5
MAT'L COLOR	- RD/BR	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 31 36.20	- 35 31 36.10	- 35 31 36.10
LONGITUDE DEG-MIN-SEC	- 92 26 27.50	- 92 26 27.60	- 92 26 27.80
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	- 100	- 100
3/8 IN.	- 98	- 99	- 97
NO. 4	- 92	- 94	- 82
NO. 10	- 81	- 79	- 65
NO. 40	- 73	- 57	- 55
NO. 80	- 69	- 48	- 50
NO. 200	- 50	- 38	- 30
LIQUID LIMIT	- 20	- ND	- 20
PLASTICITY INDEX	- 7	- NP	- 3
AASHTO SOIL	- A-4(0)	- A-4(0)	- A-2-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 13.9	- 4.3	- 8.1
ACHMSC (IN)	- 6.0W	- 2.5	- ----
ACHMBC (IN)	- 9.0W	- ----	- ----
AGG. BASE CRS.CL-7 (IN)	- 10.0	- 12.0	- ----
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

AASHTO TESTS : T24 T88 T89 T90 T265

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
 MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 37
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132540	- 20132541	- 20132542
SAMPLE ID	- S1043	- S1044	- S1045
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 806+00	- 806+00	- 806+00
LOCATION	- 15'RT	- 25'RT	- 36'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- RD/BR	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 31 43.60	- 35 31 43.60	- 35 31 43.70
LONGITUDE DEG-MIN-SEC	- 92 26 30.90	- 92 26 30.80	- 92 26 30.70
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	100
	3/8 IN. - 100	- 100	- 95
	NO. 4 - 92	- 95	- 90
	NO. 10 - 82	- 86	- 81
	NO. 40 - 72	- 78	- 75
	NO. 80 - 69	- 64	- 68
	NO. 200 - 57	- 46	- 56
LIQUID LIMIT	- 25	- 18	- 26
PLASTICITY INDEX	- 8	- 5	- 11
AASHTO SOIL	- A-4 (2)	- A-4 (0)	- A-6 (3)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 11.8	- 11.1	- 14.5
ACHMSC (IN)	- 4.0W	- 2.25	- ----
ACHMBC (IN)	- 14.0W	- ----	- ----
AGG. BASE CRS.CL-7 (IN)	- 10.0	- 12.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

AASHTO TESTS : T24 T88 T89 T90 T265

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 38
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132543	- 20132544	- 20132545
SAMPLE ID	- S1046	- S1047	- S1048
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 814+00	- 814+00	- 814+00
LOCATION	- 15'LT	- 25'LT	- 35'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 31 51.10	- 35 31 51.00	- 35 31 51.00
LONGITUDE DEG-MIN-SEC	- 92 26 34.00	- 92 26 34.20	- 92 26 34.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	- 100	- 100
3/8 IN.	- 99	- 99	- 82
NO. 4	- 91	- 94	- 68
NO. 10	- 81	- 84	- 56
NO. 40	- 72	- 74	- 48
NO. 80	- 68	- 69	- 45
NO. 200	- 60	- 60	- 40
LIQUID LIMIT	- 30	- 30	- 29
PLASTICITY INDEX	- 15	- 13	- 12
AASHTO SOIL	- A-6(6)	- A-6(5)	- A-6(1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 14.1	- 13.5	- 11.9
ACHMSC (IN)	- 7.0W	- 4.0	- ----
ACHMBC (IN)	- 8.0W	- ----	- ----
AGG. BASE CRS.CL-7 (IN)	- 12.0	- 12.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE - 06/18/13 SEQUENCE NO. - 39  
JOB NUMBER - 080423 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 71  
SUPPLIER NAME - STATE DISTRICT NO. - 08  
NAME OF PROJECT - BEE BRANCH-NORTH (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - VAN BUREN COUNTY DATE SAMPLED - 05/22/13  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 05/28/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 06/12/13  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20132546	-	20132547	-	20132548
SAMPLE ID	-	S1049	-	S1050	-	S1051
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	822+00	-	822+00	-	822+00
LOCATION	-	15'LT	-	25'LT	-	35'LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 31 59.10	-	35 31 59.10	-	35 31 59.00
LONGITUDE DEG-MIN-SEC	-	92 26 34.70	-	92 26 35.10	-	92 26 35.20
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	98	-	89
	NO. 4		-	93	-	82
	NO. 10		-	85	-	73
	NO. 40		-	79	-	66
	NO. 80		-	70	-	59
	NO. 200		-	57	-	50
LIQUID LIMIT	-	34	-	31	-	28
PLASTICITY INDEX	-	20	-	17	-	12
AASHTO SOIL	-	A-6(8)	-	A-6(7)	-	A-6(3)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	16.2	-	18.4	-	14.7
ACHMSC (IN)	-	15.5W	-	2.0	-	----
AGG. BASE CRS.CL-7 (IN)	-	14.0	-	14.0	-	----
-						
-						
-						
-						
-						
-						
-						
-						
-						
-						
-						
-						

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/18/13	SEQUENCE NO.	- 40
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132549	- 20132550	- 20132551
SAMPLE ID	- S1052	- S1053	- S1054
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 830+00	- 830+00	- 830+00
LOCATION	- 15'RT	- 25'RT	- 35'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RD/BR	- RD/BR	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 31 6.90	- 35 31 6.90	- 35 31 7.00
LONGITUDE DEG-MIN-SEC	- 92 26 36.10	- 92 26 36.10	- 92 26 36.00
% PASSING			
	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	- 100	- 100
	3/8 IN. - 95	- 99	- 98
	NO. 4 - 87	- 89	- 94
	NO. 10 - 74	- 82	- 89
	NO. 40 - 59	- 73	- 81
	NO. 80 - 52	- 60	- 67
	NO. 200 - 41	- 44	- 40
LIQUID LIMIT	- 21	- 25	- 24
PLASTICITY INDEX	- 5	- 10	- 10
AASHTO SOIL	- A-4 (0)	- A-4 (1)	- A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 10.1	- 12.2	- 16.8
ACHMSC	(IN) - 7.5W	- 7.5WX	- ----
ACHMBC	(IN) - 8.0W	- ----	- ----
AGG.BASE CRS.CL-7	(IN) - 12.0	- 10.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE - 06/21/13 SEQUENCE NO. - 41  
JOB NUMBER - 080423 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 71  
SUPPLIER NAME - STATE DISTRICT NO. - 08  
NAME OF PROJECT - BEE BRANCH-NORTH (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - VAN BUREN COUNTY DATE SAMPLED - 05/22/13  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 05/28/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 06/12/13  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20132552	-	20132553	-	20132554
SAMPLE ID	-	S1055	-	S1056	-	S1057
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	838+00	-	838+00	-	838+00
LOCATION	-	6'LT	-	15'LT	-	25'LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 32 14.50	-	35 32 14.40	-	35 32 14.30
LONGITUDE DEG-MIN-SEC	-	92 26 39.10	-	92 26 39.20	-	92 26 39.30
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-	100	-	
	3/4	IN.	-	94	-	100
	3/8	IN.	-	68	-	99
	NO. 4		-	57	-	93
	NO. 10		-	51	-	81
	NO. 40		-	46	-	65
	NO. 80		-	43	-	56
	NO. 200		-	34	-	44

LIQUID LIMIT	-	23	-	28	-	23
PLASTICITY INDEX	-	9	-	13	-	6
AASHTO SOIL	-	A-2-4(0)	-	A-2-6(0)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	15.3	-	12.5	-	17.3

ACHMSC	(IN)	-	6.75WX	-	6.0WX	-	----
ACHMBC	(IN)	-	7.0W	-	----	-	----
AGG. BASE CRS.CL-7	(IN)	-	12.0	-	12.0	-	----

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/21/13	SEQUENCE NO.	- 42
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132555	- 20132556	- 20132557
SAMPLE ID	- S1058	- S1059	- S1060
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 846+00	- 846+00	- 846+00
LOCATION	- 18'RT	- 25'RT	- 36'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 32 22.10	- 35 32 22.10	- 35 32 22.20
LONGITUDE DEG-MIN-SEC	- 92 26 41.30	- 92 26 41.30	- 92 26 41.20
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	100	-
	3/4 IN. - 100	98	100
	3/8 IN. - 98	95	98
	NO. 4 - 93	87	90
	NO. 10 - 88	77	83
	NO. 40 - 83	67	75
	NO. 80 - 79	62	69
	NO. 200 - 72	55	64

LIQUID LIMIT	- 33	- 26	- 25
PLASTICITY INDEX	- 17	- 11	- 10
AASHTO SOIL	- A-6(10)	- A-6(3)	- A-4(4)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 27.2	- 22.1	- 18.1

ACHMSC	(IN) - 7.5WX	- 6.0WX	- ----
ACHMBC	(IN) - 8.0W	- ----	- ----
AGG. BASE CRS.CL-7	(IN) - 10.0	- 10.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

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AASHTO TESTS : T24 T88 T89 T90 T265

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/21/13	SEQUENCE NO.	- 43
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132558	- 20132559	- 20132560
SAMPLE ID	- S1061	- S1062	- S1063
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 854+00	- 854+00	- 854+00
LOCATION	- 6'LT	- 15'LT	- 25'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/RD	- BR/RD	- BR/RD
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 32 29.30	- 35 32 29.30	- 35 32 29.30
LONGITUDE DEG-MIN-SEC	- 92 26 44.10	- 92 26 44.30	- 92 26 44.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	- 100	- 100
3/8 IN.	- 98	- 97	- 97
NO. 4	- 88	- 89	- 89
NO. 10	- 77	- 77	- 83
NO. 40	- 69	- 63	- 77
NO. 80	- 64	- 57	- 73
NO. 200	- 49	- 45	- 49

LIQUID LIMIT	- 23	- 23	- 23
PLASTICITY INDEX	- 10	- 9	- 4
AASHTO SOIL	- A-4 (2)	- A-4 (1)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 14.0	- 15.8	- 10.3
ACHMSC (IN)	- 6.5W	- 7.0W	- ----
ACHMBC (IN)	- 8.0W	- ----	- ----
AGG. BASE CRS.CL-7 (IN)	- 12.0	- 13.0	- ----
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL







ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/21/13	SEQUENCE NO.	- 46
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132567	- 20132568	- 20132569
SAMPLE ID	- S1070	- S1071	- S1072
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 878+00	- 878+00	- 878+00
LOCATION	- 15'RT	- 25'RT	- 35'RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BR/RD
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 32 52.30	- 35 32 52.30	- 35 32 52.30
LONGITUDE DEG-MIN-SEC	- 92 26 52.40	- 92 26 52.30	- 92 26 52.20
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	-	100
	3/8 IN. - 93	100	98
	NO. 4 - 81	96	89
	NO. 10 - 66	84	79
	NO. 40 - 49	69	70
	NO. 80 - 40	58	62
	NO. 200 - 30	46	48

LIQUID LIMIT	- 21	- 22	- 24
PLASTICITY INDEX	- 5	- 5	- 9
AASHTO SOIL	- A-2-4(0)	- A-4(0)	- A-4(1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 4.5	- 13.7	- 9.8

ACHMSC	(IN) - 2.5WX	- 2.5W	- ----
ACHMBC	(IN) - 8.0WX	- ----	- ----
AGG. BASE CRS.CL-7	(IN) - 12.0	- 10.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/21/13	SEQUENCE NO.	- 47
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132570	- 20132571	- 20132572
SAMPLE ID	- S1073	- S1074	- S1075
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 886+00	- 886+00	- 886+00
LOCATION	- 6'LT	- 15'LT	- 25'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RD/BR	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 32 59.50	- 35 32 59.40	- 35 32 59.40
LONGITUDE DEG-MIN-SEC	- 92 26 56.10	- 92 26 56.30	- 92 26 56.40
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	- 100	- 100
	3/8 IN. - 98	- 99	- 89
	NO. 4 - 91	- 93	- 74
	NO. 10 - 83	- 82	- 66
	NO. 40 - 76	- 70	- 55
	NO. 80 - 69	- 63	- 48
	NO. 200 - 50	- 48	- 37

LIQUID LIMIT	- 18	- 23	- 22
PLASTICITY INDEX	- 4	- 9	- 3
AASHTO SOIL	- A-4 (0)	- A-4 (1)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 20.6	- 17.5	- 9.0
ACHMSC (IN)	- 9.25WX	- 2.75	- ----
ACHMBC (IN)	- 4.5W	- ----	- ----
AGG. BASE CRS.CL-7 (IN)	- 13.0	- 14.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/21/13	SEQUENCE NO.	- 48
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132573	- 20132574	- 20132575
SAMPLE ID	- S1076	- S1077	- S1078
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 894+00	- 894+00	- 894+00
LOCATION	- 15'RT	- 25'RT	- 35'RT
DEPTH IN FEET	- 0-5	- 0-4.5Z	- 0-4Z
MAT'L COLOR	- GRAY	- RD/BR	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 33 7.40	- 35 33 7.40	- 35 33 7.40
LONGITUDE DEG-MIN-SEC	- 92 26 58.30	- 92 26 58.20	- 92 26 58.10
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	-	- 100
3/8 IN.	- 94	- 100	- 93
NO. 4	- 84	- 91	- 72
NO. 10	- 71	- 80	- 60
NO. 40	- 63	- 71	- 50
NO. 80	- 60	- 66	- 51
NO. 200	- 47	- 50	- 36

LIQUID LIMIT	- 28	- 27	- ND
PLASTICITY INDEX	- 15	- 14	- NP
AASHTO SOIL	- A-6(3)	- A-6(3)	- A-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 18.0	- 13.4	- 8.7
ACHMSC (IN)	- 7.0W	- 2.5X	- ---
ACHMBC (IN)	- 6.5W	- ---	- ---
AGG. BASE CRS.CL-7 (IN)	- 6.0	- 14.0	- ---
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL





ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS  
MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 06/21/13	SEQUENCE NO.	- 51
JOB NUMBER	- 080423	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 71
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- BEE BRANCH-NORTH (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- VAN BUREN COUNTY	DATE SAMPLED	- 05/22/13
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 05/28/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/12/13
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20132582	- 20132583	- 20132584
SAMPLE ID	- S1085	- S1086	- S1087
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 918+00	- 918+00	- 918+00
LOCATION	- 21'LT	- 30'LT	- 40'LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 33 31.40	- 35 33 31.40	- 35 33 31.40
LONGITUDE DEG-MIN-SEC	- 92 26 59.20	- 92 26 59.30	- 92 26 59.40
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	- 100	- 100
	3/8 IN. - 99	- 94	- 97
	NO. 4 - 93	- 81	- 86
	NO. 10 - 84	- 67	- 77
	NO. 40 - 75	- 56	- 70
	NO. 80 - 72	- 51	- 64
	NO. 200 - 62	- 45	- 57

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LIQUID LIMIT	- 35	- 29	- 29
PLASTICITY INDEX	- 21	- 15	- 14
AASHTO SOIL	- A-6(10)	- A-6(3)	- A-6(5)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 18.4	- 14.3	- 13.2
ACHMSC (IN)	- 5.0W	- 2.75	- ---
ACHMBC (IN)	- 11.5W	- ----	- ----
AGG. BASE CRS.CL-7 (IN)	- 11.0	- 12.0	- ----
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, Z=AUGER REFUSAL