

ARKANSAS DEPARTMENT OF TRANSPORTATION



SUBSURFACE INVESTIGATION

STATE JOB NO. 080494

FEDERAL AID PROJECT NO. HSIP-0015(27)

I-40 – SOLGOHACHIA (SAFETY IMPVTS.) (S)

STATE HIGHWAY 9 SECTION 8

IN CONWAY 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.

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

July 10, 2015

TO: Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT: Job No. 080494
I-40 - Solgohachia (Safety Impvts) (S)
Route 9 Section 8
Conway County

Transmitted herewith is the requested Soil Survey, Strength Data and Resilient Modulus test results for the above referenced job. The project consists of making safety improvements to approximately 6.8 miles of Highway 9. Samples were obtained in the existing travel lanes, shoulders and ditch line.

Based on laboratory results of samples obtained, the subgrade soils consist primarily of sandy clay with varying amounts of sandstone fragments, isolated locations of highly plastic clay were encountered within the project limits. Cross-sections are not currently available, but it is assumed that the construction grade line will closely match that of the existing roadway. The subgrade soils are expected to provide a stable working platform with conventional processing if the weather is favorable during construction. Rock was encounter at several locations within the project limits, Table 1 below lists the locations and depth to rock.

Table 1 Depth and Location of Rock

Station	Location from centerline (ft.)	Depth to rock (ft.)
104+00	5, 12, 22 Rt	4.0, 4.0, 4.0
152+00	5 Rt	5.0
160+00	6 Lt	2.5
184+00	18 Rt	2.5
200+00	5, 13, 24 Rt	3.0, 4.0, 3.5
312+00	18 Rt	4.0
408+00	6, 14 Rt	2.0
432+00	20 Lt	4.0
440+00	5, 13, 20 Rt	5.0, 4.0, 3.0

Embankment and undercut recommendations will be made when plans are further developed and cross-sections become available.

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 Solgohachia.

2. Asphalt Concrete Hot Mix

<u>Type</u>	<u>Asphalt Cement %</u>	<u>Mineral Aggregate %</u>
Surface Course	5.2	94.8
Binder Course	4.4	95.6
Base Course	3.9	96.1



Michael C. Benson
Materials Engineer

MCB:pt:bjj
Attachment

cc: State Constr. Eng. – Master File Copy
District 8 Engineer
System Information and Research 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	- 06/30/2015	SEQUENCE NO.	- 1
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
		SPEC. YEAR	- 2014
		SUPPLIER ID.	- 1
		COUNTY/STATE	- 15
		DISTRICT NO.	- 08

JOB NAME - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)

 * STATION LIMITS R-VALUE AT 240 psi *

BEGIN JOB - END JOB 8

RESILIENT MODULUS	
STA.120+00	9465
STA.160+00	8210
STA.240+00	6335
STA.280+00	9568
STA.345+00	9285

REMARKS -	STA.392+00	8084
-	STA.448+00	7533

AASHTO TESTS : T190

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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/18/15	Station No.:	120+00
Date Tested:	June 18, 2015	Location:	23'RT
Name of Project:	I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151577	AASHTO Class:	A-7-5(29)
Sample ID:	RV195	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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	3.96
Middle	3.96
Bottom	3.96
Average	3.96
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):	12.32
Initial Volume, AoLo (cu. in):	98.90

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	2880.00
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4. Soil Properties:

Optimum Moisture Content (%):	27.0
Maximum Dry Density (pcf):	92.3
95% of MDD (pcf):	87.7
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	2880.00
Compaction Moisture content (%):	27.3
Compaction Wet Density (pcf):	110.96
Compaction Dry Density (pcf):	87.16
Moisture Content After Mr Test (%):	27.8

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

7. Resilient Modulus, Mr: 16086(Sc)^{-0.26554}(S3)^{0.11019}

8. Comments

9. Tested By: DEB **Date:** June 18, 2015

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

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

Job No. 080494 **Material Code** SSRVPS
Date Sampled: 6/18/15 **Station No.:** 120+00
Date Tested: June 18, 2015 **Location:** 23'RT

Name of Project: I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)

County: Code: 15 **Name:** CONWAY **Depth:** 0-5
Sampled By: FAULKNER **AASHTO Class:** A-7-5(29)
Lab No.: 20151577 **Material Type (1 or 2):** 2
Sample ID: RV195 **LONGITUDE:**

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 ₃ psi	S _{cyclic} psi	P _{max} lbs	P _{cyclic} lbs	P _{contact} lbs	S _{max} psi	S _{cyclic} psi	S _{contact} psi	H _{avg} in	ε _r in/in	M _r psi
Sequence 1	6.0	2.0	25.3	22.8	2.5	2.1	1.9	0.2	0.00092	0.00011	16,221
Sequence 2	6.0	4.0	47.5	45.0	2.5	3.9	3.7	0.2	0.00198	0.00025	14,799
Sequence 3	6.0	6.0	70.0	66.7	3.3	5.7	5.4	0.3	0.00323	0.00040	13,477
Sequence 4	6.0	8.0	92.3	86.6	5.7	7.5	7.0	0.5	0.00490	0.00061	11,514
Sequence 5	6.0	10.0	112.9	104.6	8.3	9.2	8.5	0.7	0.00680	0.00085	10,031
Sequence 6	4.0	2.0	25.3	22.7	2.5	2.1	1.8	0.2	0.00097	0.00012	15,208
Sequence 7	4.0	4.0	47.2	44.8	2.5	3.8	3.6	0.2	0.00209	0.00026	13,947
Sequence 8	4.0	6.0	68.6	66.0	2.6	5.6	5.4	0.2	0.00339	0.00042	12,679
Sequence 9	4.0	8.0	91.0	86.0	5.0	7.4	7.0	0.4	0.00495	0.00062	11,337
Sequence 10	4.0	10.0	112.5	104.9	7.6	9.1	8.5	0.6	0.00687	0.00086	9,952
Sequence 11	2.0	2.0	25.2	22.7	2.6	2.0	1.8	0.2	0.00107	0.00013	13,824
Sequence 12	2.0	4.0	47.1	44.5	2.6	3.8	3.6	0.2	0.00227	0.00028	12,795
Sequence 13	2.0	6.0	68.2	65.6	2.6	5.5	5.3	0.2	0.00365	0.00045	11,721
Sequence 14	2.0	8.0	89.7	85.5	4.2	7.3	6.9	0.3	0.00528	0.00066	10,558
Sequence 15	2.0	10.0	110.9	104.1	6.8	9.0	8.5	0.5	0.00717	0.00089	9,465

TESTED BY _____ DATE June 18, 2015
 REVIEWED BY _____ DATE _____

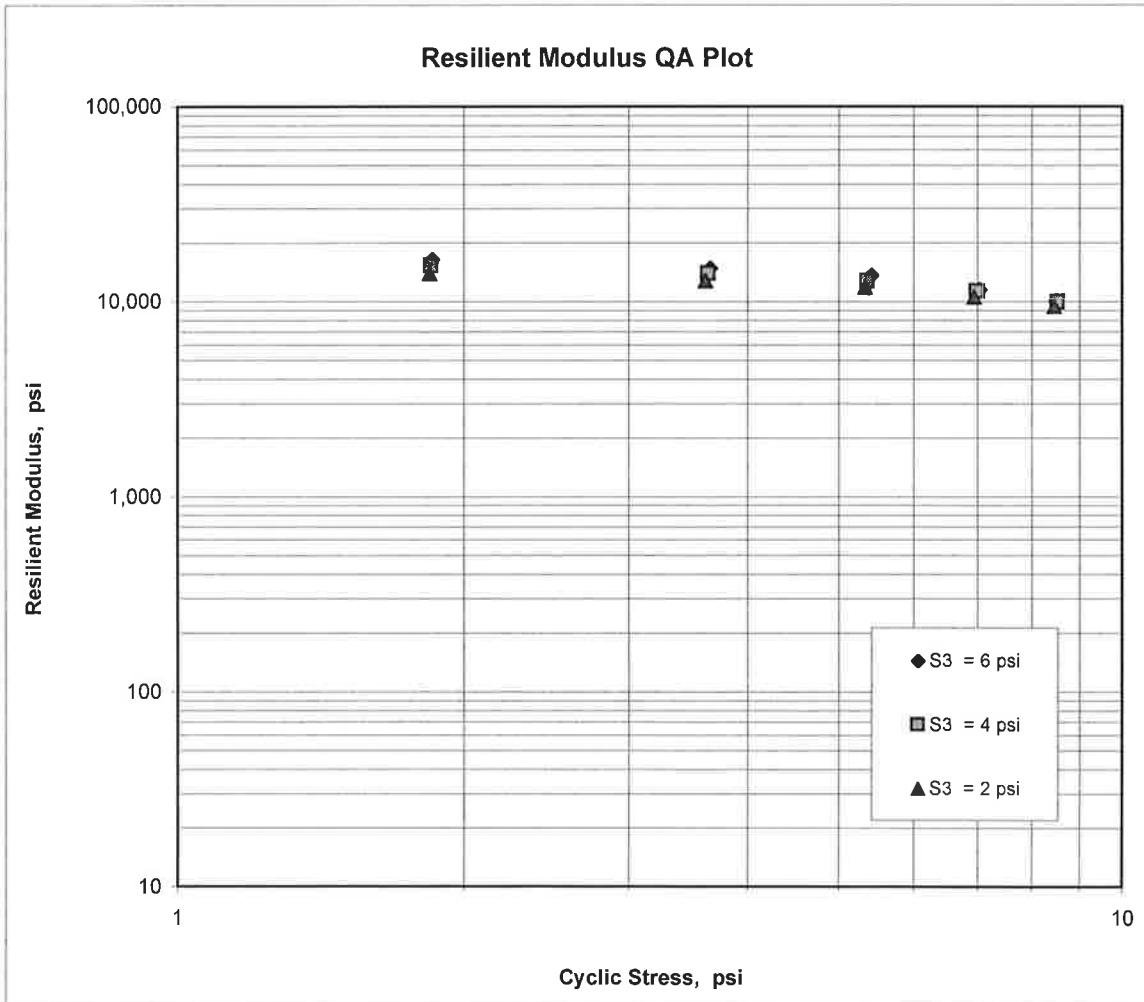
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION**

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/18/15	Station No.:	120+00
Date Tested:	June 18, 2015	Location:	23'RT
Name of Project:	I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151577	AASHTO Class:	A-7-5(29)
Sample ID:	RV195	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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

$K_1 =$	<u>16,086</u>
$K_2 =$	<u>-0.26554</u>
$K_5 =$	<u>0.11019</u>
$R^2 =$	<u>0.89</u>



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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/18/15	Station No.:	160+00
Date Tested:	June 18, 2015	Location:	22'LT
Name of Project:	I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151578	AASHTO Class:	A-6(4)
Sample ID:	RV196	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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):	8.03
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.03
Initial Area, Ao (sq. in):	12.36
Initial Volume, AoLo (cu. in):	99.23

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3186.10
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4. Soil Properties:

Optimum Moisture Content (%):	15.4
Maximum Dry Density (pcf):	109.9
95% of MDD (pcf):	104.4
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3186.10
Compaction Moisture content (%):	15.6
Compaction Wet Density (pcf):	122.34
Compaction Dry Density (pcf):	105.83
Moisture Content After Mr Test (%):	15.8

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

7. Resilient Modulus, Mr: 14908(Sc)^{-0.35402}(S3)^{0.23885}

8. Comments

9. Tested By: DEB **Date:** June 18, 2015

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

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

Job No. 080494 **Material Code** SSRVPS
Date Sampled: 6/18/15 **Station No.:** 160+00
Date Tested: June 18, 2015 **Location:** 22'LT

Name of Project: I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)

County: Code: 15 **Name:** CONWAY **Depth:** 0-5
Sampled By: FAULKNER **AASHTO Class:** A-6(4)
Lab No.: 20151578 **Material Type (1 or 2):** 2
Sample ID: RV196 **LONGITUDE:**

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 ₃	S _{cyclic}	P _{max}	P _{cyclic}	P _{contact}	S _{max}	S _{cyclic}	S _{contact}	H _{avg}	ε _r	M _r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.4	23.0	2.4	2.1	1.9	0.2	0.00085	0.00011	17,624
Sequence 2	6.0	4.0	47.6	45.1	2.5	3.8	3.6	0.2	0.00189	0.00024	15,499
Sequence 3	6.0	6.0	70.0	66.7	3.3	5.7	5.4	0.3	0.00320	0.00040	13,555
Sequence 4	6.0	8.0	92.0	86.3	5.8	7.4	7.0	0.5	0.00491	0.00061	11,408
Sequence 5	6.0	10.0	113.5	105.2	8.3	9.2	8.5	0.7	0.00668	0.00083	10,229
Sequence 6	4.0	2.0	25.2	22.7	2.5	2.0	1.8	0.2	0.00092	0.00011	16,019
Sequence 7	4.0	4.0	47.1	44.5	2.6	3.8	3.6	0.2	0.00214	0.00027	13,535
Sequence 8	4.0	6.0	67.7	65.0	2.6	5.5	5.3	0.2	0.00364	0.00045	11,626
Sequence 9	4.0	8.0	89.8	84.7	5.1	7.3	6.9	0.4	0.00536	0.00067	10,262
Sequence 10	4.0	10.0	112.0	104.4	7.6	9.1	8.4	0.6	0.00727	0.00090	9,337
Sequence 11	2.0	2.0	24.9	22.3	2.7	2.0	1.8	0.2	0.00104	0.00013	13,974
Sequence 12	2.0	4.0	46.6	44.0	2.6	3.8	3.6	0.2	0.00244	0.00030	11,751
Sequence 13	2.0	6.0	66.6	63.9	2.6	5.4	5.2	0.2	0.00413	0.00051	10,069
Sequence 14	2.0	8.0	87.6	83.1	4.5	7.1	6.7	0.4	0.00606	0.00076	8,901
Sequence 15	2.0	10.0	109.1	102.2	6.9	8.8	8.3	0.6	0.00809	0.00101	8,210

TESTED BY _____ DATE June 18, 2015
 REVIEWED BY _____ DATE _____

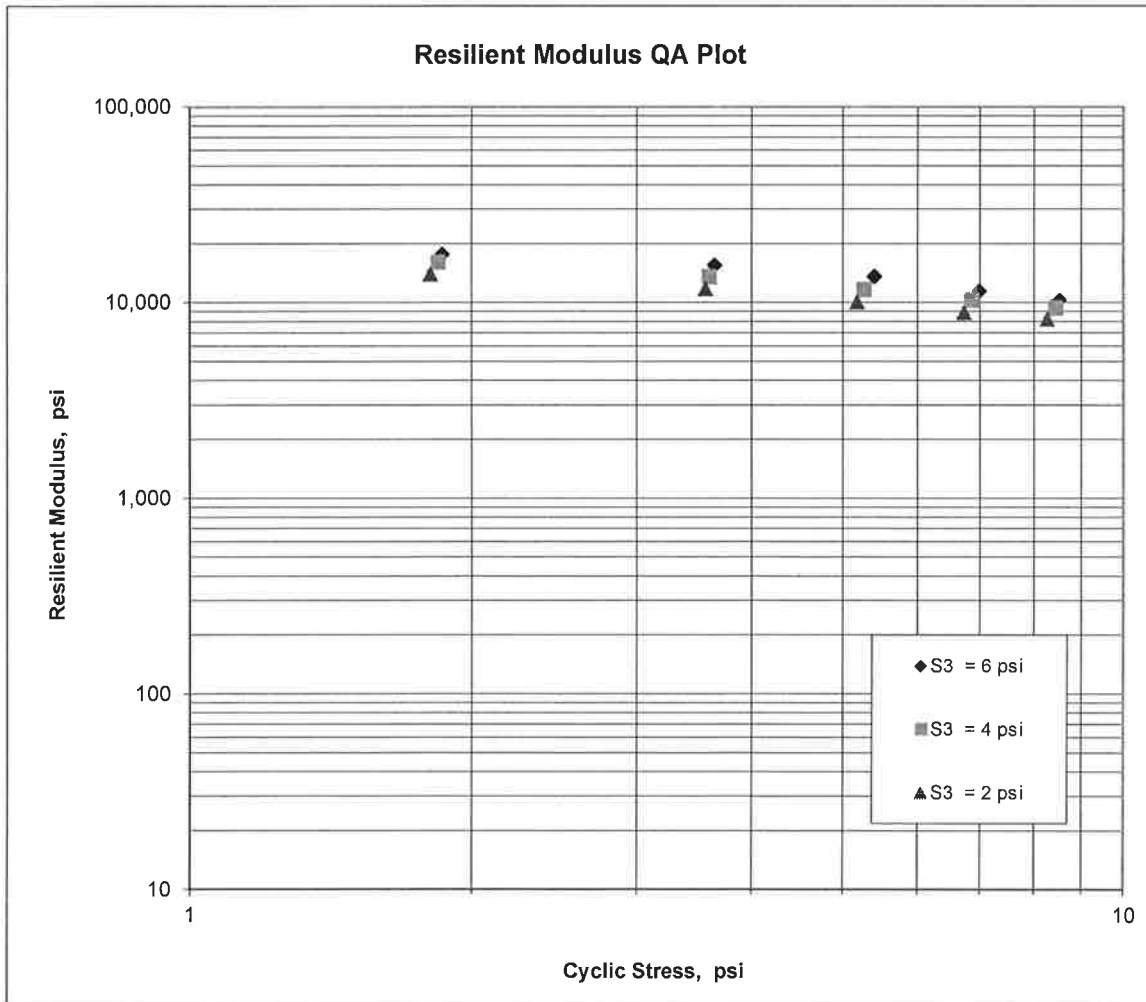
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION**

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/18/15	Station No.:	160+00
Date Tested:	June 18, 2015	Location:	22'LT
Name of Project:	I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151578	AASHTO Class:	A-6(4)
Sample ID:	RV196	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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

$K_1 =$	<u>14,908</u>
$K_2 =$	<u>-0.35402</u>
$K_5 =$	<u>0.23885</u>
$R^2 =$	<u>0.97</u>



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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/24/15	Station No.:	240+00
Date Tested:	June 24, 2015	Location:	20'LT
Name of Project:	I-40-SOLGOHACHIA (SAFETY IMPVTS.)(S)		
County:	Code: 15	Name: CONWAY	
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151579	AASHTO Class:	A-4(1)
Sample ID:	RV197	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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	3.95
Average	3.96
Membrane Thickness (in):	0.00
Height of Specimen, Cap and Base (in):	8.02
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.02
Initial Area, Ao (sq. in):	12.32
Initial Volume, AoLo (cu. in):	98.78

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3341.50
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4. Soil Properties:

Optimum Moisture Content (%):	13.3
Maximum Dry Density (pcf):	117.2
95% of MDD (pcf):	111.3
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3341.50
Compaction Moisture content (%):	14.0
Compaction Wet Density (pcf):	128.90
Compaction Dry Density (pcf):	113.07
Moisture Content After Mr Test (%):	14.0

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

7. Resilient Modulus, Mr: $9777(S_c)^{-0.35961}(S_3)^{0.40926}$

8. Comments _____

9. Tested By: DEB **Date:** June 24, 2015

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

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

Job No. 080494 **Material Code** SSRVPS
Date Sampled: 6/24/15 **Station No.:** 240+00
Date Tested: June 24, 2015 **Location:** 20'LT

Name of Project: I-40-SOLGOHACHIA (SAFETY IMPVTS.)(S)
County: Code: 15 **Name:** CONWAY

Sampled By: FAULKNER **Depth:** 0-5
Lab No.: 20151579 **AASHTO Class:** A-4(1)
Sample ID: RV197 **Material Type (1 or 2):** 2
LATITUDE: **LONGITUDE:**

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 ₃	S _{cyclic}	P _{max}	P _{cyclic}	P _{contact}	S _{max}	S _{cyclic}	S _{contact}	H _{avg}	ε _r	M _r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.2	22.4	2.7	2.0	1.8	0.2	0.00092	0.00011	15,887
Sequence 2	6.0	4.0	47.4	44.7	2.7	3.8	3.6	0.2	0.00211	0.00026	13,775
Sequence 3	6.0	6.0	69.8	66.2	3.6	5.7	5.4	0.3	0.00364	0.00045	11,845
Sequence 4	6.0	8.0	92.3	86.2	6.1	7.5	7.0	0.5	0.00561	0.00070	10,005
Sequence 5	6.0	10.0	115.1	106.4	8.7	9.3	8.6	0.7	0.00753	0.00094	9,206
Sequence 6	4.0	2.0	25.1	22.4	2.7	2.0	1.8	0.2	0.00108	0.00013	13,530
Sequence 7	4.0	4.0	46.5	43.8	2.8	3.8	3.6	0.2	0.00262	0.00033	10,873
Sequence 8	4.0	6.0	67.0	64.1	2.9	5.4	5.2	0.2	0.00452	0.00056	9,228
Sequence 9	4.0	8.0	89.5	84.1	5.4	7.3	6.8	0.4	0.00658	0.00082	8,327
Sequence 10	4.0	10.0	112.3	104.5	7.8	9.1	8.5	0.6	0.00867	0.00108	7,853
Sequence 11	2.0	2.0	24.8	22.1	2.7	2.0	1.8	0.2	0.00134	0.00017	10,746
Sequence 12	2.0	4.0	45.1	42.3	2.8	3.7	3.4	0.2	0.00329	0.00041	8,385
Sequence 13	2.0	6.0	64.4	61.6	2.8	5.2	5.0	0.2	0.00557	0.00069	7,197
Sequence 14	2.0	8.0	85.1	80.5	4.6	6.9	6.5	0.4	0.00801	0.00100	6,545
Sequence 15	2.0	10.0	107.7	100.6	7.1	8.7	8.2	0.6	0.01034	0.00129	6,335

TESTED BY _____ DATE June 24, 2015
 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.	080494	Material Code	SSRVPS
Date Sampled:	6/24/15	Station No.:	240+00
Date Tested:	June 24, 2015	Location:	20'LT
Name of Project:	I-40-SOLGOHACHIA (SAFETY IMPVTS.)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151579	AASHTO Class:	A-4(1)
Sample ID:	RV197	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

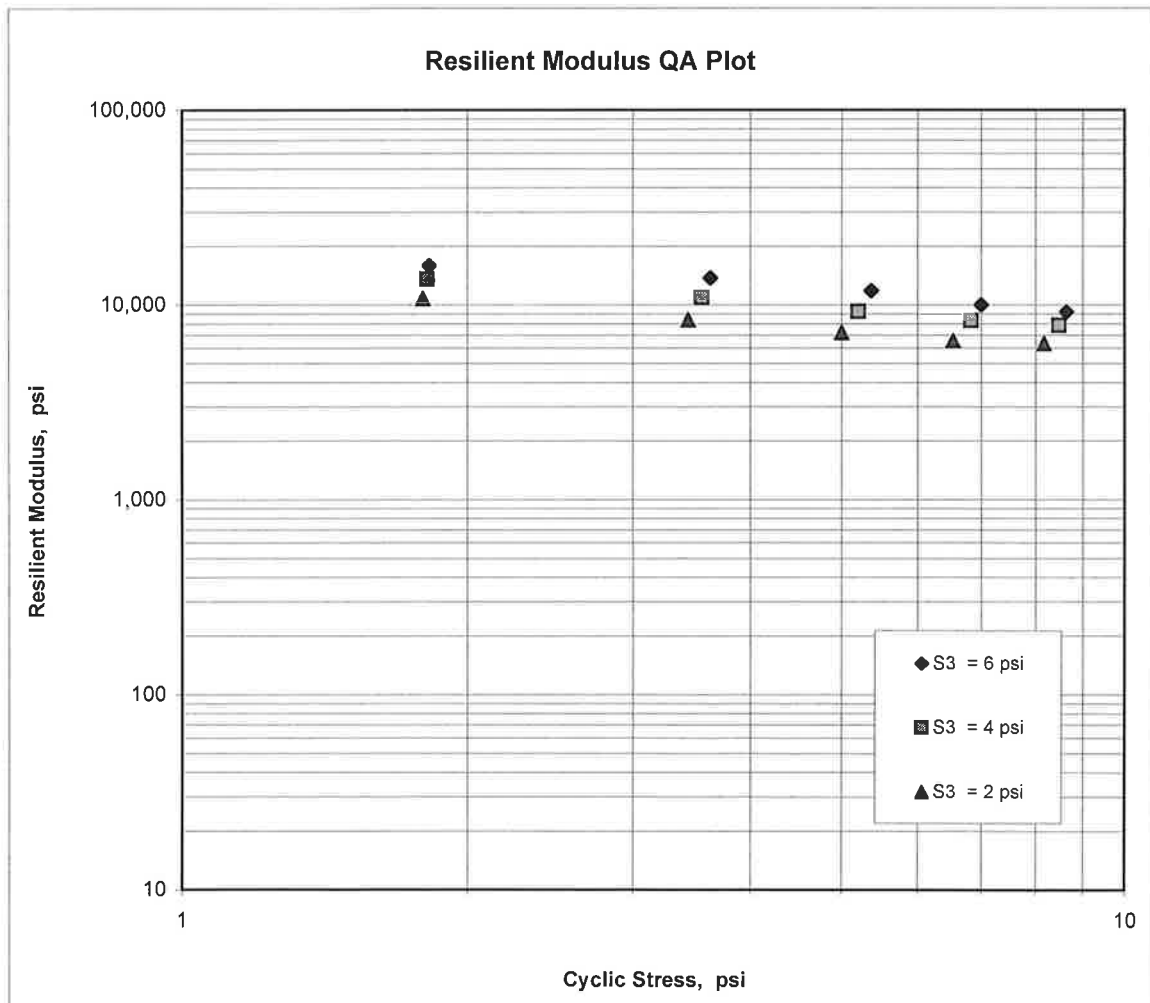
$$M_R = K_1 (S_c)^{K_2} (S_3)^{K_5}$$

$$K_1 = 9,777$$

$$K_2 = -0.35961$$

$$K_5 = 0.40926$$

$$R^2 = 0.98$$



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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	06/19/15	Station No.:	280+00
Date Tested:	June 19, 2015	Location:	25'RT
Name of Project:	I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151580	AASHTO Class:	A-6(11)
Sample ID:	RV198	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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	3.95
Bottom	3.95
Average	3.95
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):	12.25
Initial Volume, AoLo (cu. in):	98.16

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3047.40
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4. Soil Properties:

Optimum Moisture Content (%):	17.5
Maximum Dry Density (pcf):	106.2
95% of MDD (pcf):	100.9
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3047.40
Compaction Moisture content (%):	18.0
Compaction Wet Density (pcf):	118.29
Compaction Dry Density (pcf):	100.25
Moisture Content After Mr Test (%):	17.9

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

7. Resilient Modulus, Mr: 15645(Sc)^{-0.28025}(S3)^{0.19380}

8. Comments

9. Tested By: DEB **Date:** June 19, 2015

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

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

Job No. 080494 **Material Code** SSRVPS
Date Sampled: 06/19/15 **Station No.:** 280+00
Date Tested: June 19, 2015 **Location:** 25'RT

Name of Project: I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)(S)

County: Code: 15 **Name:** CONWAY

Sampled By: FAULKNER **Depth:** 0-5
Lab No.: 20151580 **AASHTO Class:** A-6(11)
Sample ID: RV198 **Material Type (1 or 2):** 2
LATITUDE: **LONGITUDE:**

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 ₃	S _{cyclic}	P _{max}	P _{cyclic}	P _{contact}	S _{max}	S _{cyclic}	S _{contact}	H _{avg}	ε _r	M _r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.2	22.4	2.8	2.1	1.8	0.2	0.0081	0.0010	18,155
Sequence 2	6.0	4.0	47.4	44.6	2.8	3.9	3.6	0.2	0.00176	0.0022	16,564
Sequence 3	6.0	6.0	70.0	66.3	3.7	5.7	5.4	0.3	0.00290	0.0036	14,981
Sequence 4	6.0	8.0	92.9	86.7	6.2	7.6	7.1	0.5	0.00446	0.0056	12,719
Sequence 5	6.0	10.0	114.9	106.2	8.7	9.4	8.7	0.7	0.00623	0.0078	11,146
Sequence 6	4.0	2.0	25.0	22.2	2.8	2.0	1.8	0.2	0.00089	0.0011	16,332
Sequence 7	4.0	4.0	47.1	44.4	2.8	3.8	3.6	0.2	0.00197	0.0025	14,693
Sequence 8	4.0	6.0	68.5	65.7	2.8	5.6	5.4	0.2	0.00326	0.0041	13,158
Sequence 9	4.0	8.0	91.3	86.1	5.1	7.4	7.0	0.4	0.00478	0.0060	11,772
Sequence 10	4.0	10.0	113.6	106.0	7.6	9.3	8.7	0.6	0.00654	0.0082	10,599
Sequence 11	2.0	2.0	25.1	22.4	2.7	2.0	1.8	0.2	0.00101	0.0013	14,572
Sequence 12	2.0	4.0	46.8	44.1	2.6	3.8	3.6	0.2	0.00221	0.0028	13,041
Sequence 13	2.0	6.0	67.7	65.0	2.7	5.5	5.3	0.2	0.00366	0.0046	11,613
Sequence 14	2.0	8.0	89.3	85.0	4.3	7.3	6.9	0.4	0.00531	0.0066	10,472
Sequence 15	2.0	10.0	110.9	104.1	6.8	9.0	8.5	0.6	0.00711	0.0089	9,568

TESTED BY _____ DATE June 19, 2015
 REVIEWED BY _____ DATE _____

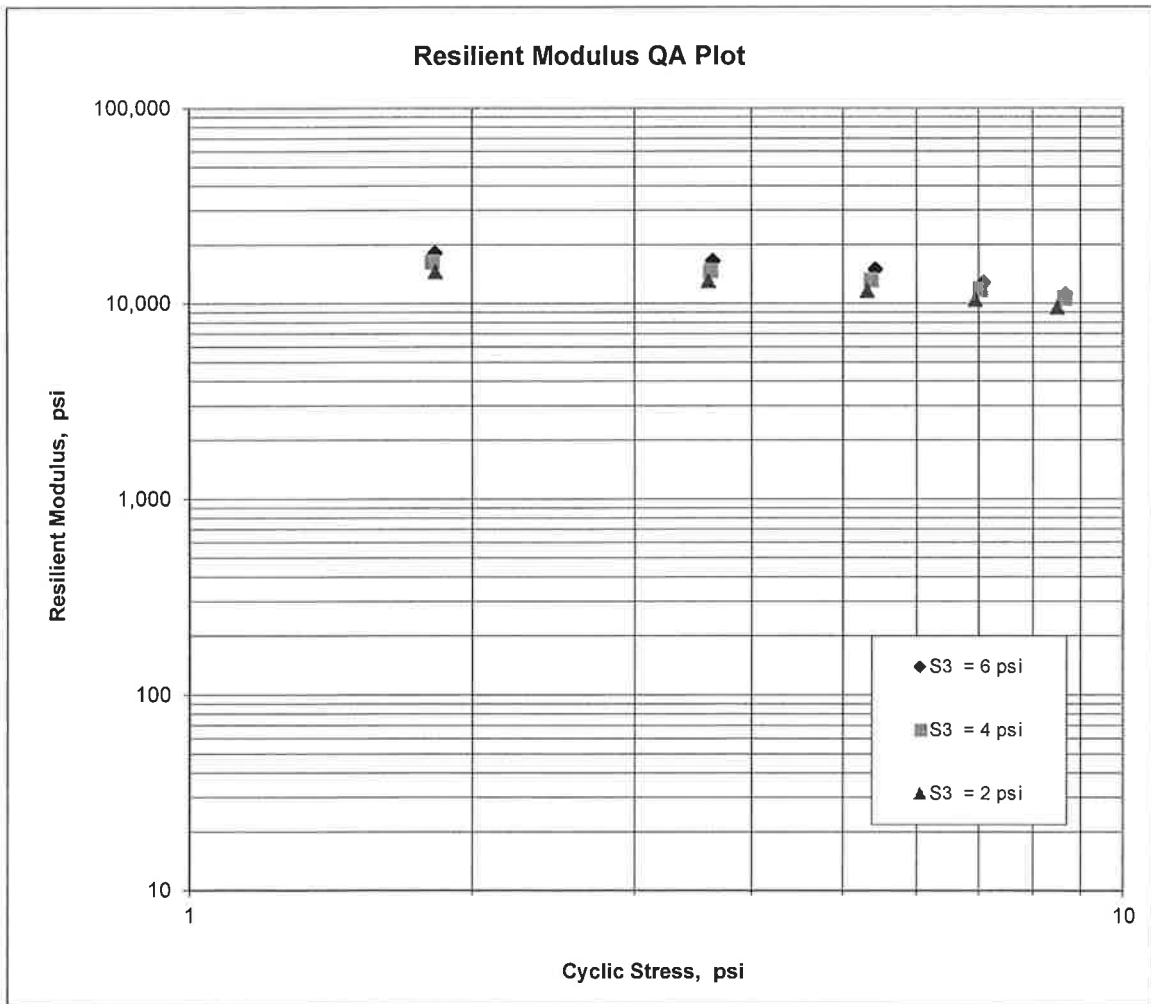
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION**

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	06/19/15	Station No.:	280+00
Date Tested:	June 19, 2015	Location:	25'RT
Name of Project:	I-40 SOLGOHACHIA (SAFETY IMPROVEMENTS)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151580	AASHTO Class:	A-6(11)
Sample ID:	RV198	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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

$K_1 =$	<u>15,645</u>
$K_2 =$	<u>-0.28025</u>
$K_5 =$	<u>0.19380</u>
$R^2 =$	<u>0.93</u>



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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	06/23/15	Station No.:	345+00
Date Tested:	June 23, 2015	Location:	26'RT
Name of Project:	I-40 SOLGOHACHIA (SAFETY IMPVTS.)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151581	AASHTO Class:	A-4(0)
Sample ID:	RV199	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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	3.98
Bottom	3.97
Average	3.97
Membrane Thickness (in):	0.00
Height of Specimen, Cap and Base (in):	8.02
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.02
Initial Area, Ao (sq. in):	12.40
Initial Volume, AoLo (cu. in):	99.44

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3178.00
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4. Soil Properties:

Optimum Moisture Content (%):	13.6
Maximum Dry Density (pcf):	112.7
95% of MDD (pcf):	107.1
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3178.00
Compaction Moisture content (%):	14.5
Compaction Wet Density (pcf):	121.77
Compaction Dry Density (pcf):	106.35
Moisture Content After Mr Test (%):	14.0

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

7. Resilient Modulus, Mr: 14019(Sc)^{-0.26374}(S3)^{0.24568}

8. Comments _____

9. Tested By: DEB **Date:** June 23, 2015

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

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

Job No. 080494 **Material Code** SSRVPS
Date Sampled: 06/23/15 **Station No.:** 345+00
Date Tested: June 23, 2015 **Location:** 26'RT

Name of Project: I-40 SOLGOHACHIA (SAFETY IMPVTS.)(S)
County: Code: 15 **Name:** CONWAY

Sampled By: FAULKNER **Depth:** 0-5
Lab No.: 20151581 **AASHTO Class:** A-4(0)
Sample ID: RV199 **Material Type (1 or 2):** 2
LATITUDE: **LONGITUDE:**

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
			P _{max} lbs	P _{cyclic} lbs	P _{cyclic} lbs	P _{contact} lbs							
Sequence 1	6.0	2.0	25.4	22.8	2.6	2.1	1.8	0.2	0.00084	0.00011	17,481		
Sequence 2	6.0	4.0	47.7	45.1	2.6	3.8	3.6	0.2	0.00180	0.00022	16,206		
Sequence 3	6.0	6.0	70.8	67.2	3.6	5.7	5.4	0.3	0.00291	0.00036	14,935		
Sequence 4	6.0	8.0	94.0	87.9	6.1	7.6	7.1	0.5	0.00436	0.00054	13,046		
Sequence 5	6.0	10.0	116.7	108.1	8.6	9.4	8.7	0.7	0.00590	0.00074	11,839		
Sequence 6	4.0	2.0	25.3	22.7	2.6	2.0	1.8	0.2	0.00089	0.00011	16,433		
Sequence 7	4.0	4.0	47.4	44.7	2.7	3.8	3.6	0.2	0.00202	0.00025	14,339		
Sequence 8	4.0	6.0	69.0	66.2	2.8	5.6	5.3	0.2	0.00333	0.00042	12,865		
Sequence 9	4.0	8.0	92.0	86.6	5.3	7.4	7.0	0.4	0.00481	0.00060	11,656		
Sequence 10	4.0	10.0	114.9	107.0	7.8	9.3	8.6	0.6	0.00642	0.00080	10,782		
Sequence 11	2.0	2.0	25.1	22.4	2.7	2.0	1.8	0.2	0.00102	0.00013	14,214		
Sequence 12	2.0	4.0	46.7	44.0	2.7	3.8	3.6	0.2	0.00232	0.00029	12,275		
Sequence 13	2.0	6.0	67.4	64.7	2.7	5.4	5.2	0.2	0.00384	0.00048	10,886		
Sequence 14	2.0	8.0	89.1	84.6	4.5	7.2	6.8	0.4	0.00553	0.00069	9,902		
Sequence 15	2.0	10.0	111.9	104.8	7.1	9.0	8.4	0.6	0.00730	0.00091	9,285		

TESTED BY _____ DATE June 23, 2015
 REVIEWED BY _____ DATE _____

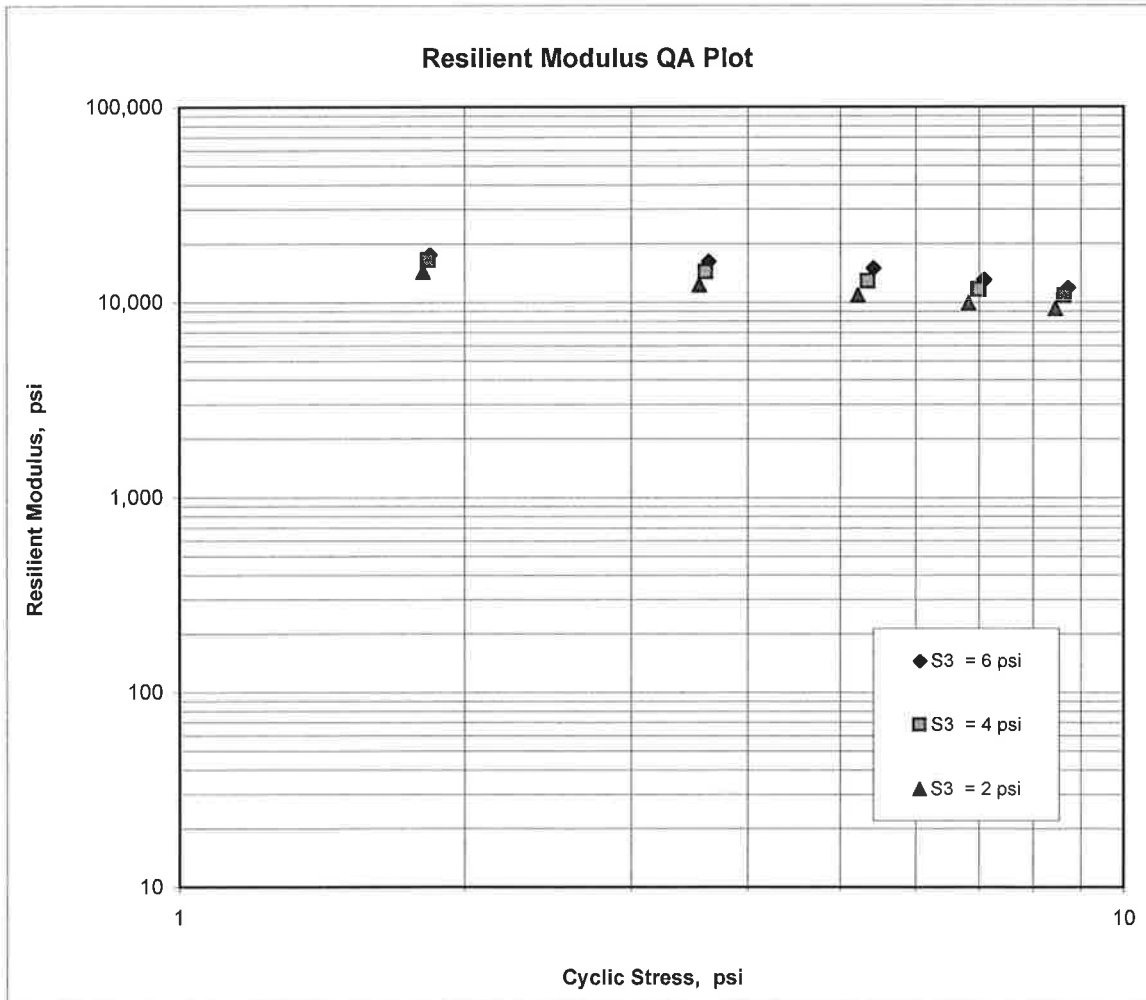
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION**

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	06/23/15	Station No.:	345+00
Date Tested:	June 23, 2015	Location:	26'RT
Name of Project:	I-40 SOLGOHACHIA (SAFETY IMPVTS.)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151581	AASHTO Class:	A-4(0)
Sample ID:	RV199	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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

$K_1 = \underline{14,019}$
 $K_2 = \underline{-0.26374}$
 $K_5 = \underline{0.24568}$
 $R^2 = \underline{0.97}$



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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/26/15	Station No.:	392+00
Date Tested:	June 26, 2015	Location:	22'RT
Name of Project:	I-40-SOLGOHACHIA (SAFETY IMPVTS.)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151582	AASHTO Class:	A-6(4)
Sample ID:	RV200	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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	3.96
Middle	3.96
Bottom	3.96
Average	3.96
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):	12.32
Initial Volume, AoLo (cu. in):	98.65

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3101.30
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4. Soil Properties:

Optimum Moisture Content (%):	15.5
Maximum Dry Density (pcf):	110.3
95% of MDD (pcf):	104.8
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3101.30
Compaction Moisture content (%):	16.1
Compaction Wet Density (pcf):	119.78
Compaction Dry Density (pcf):	103.17
Moisture Content After Mr Test (%):	16.1

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

7. Resilient Modulus, Mr: $13718(Sc)^{-0.32177}(S3)^{0.25107}$

8. Comments _____

9. Tested By: DEB **Date:** June 26, 2015

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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/26/15	Station No.:	392+00
Date Tested:	June 26, 2015	Location:	22/RT
Name of Project:	I-40-SOLGOHACHIA (SAFETY IMPVTS.) (S)	Depth:	0-5
County:	Code: 15 CONWAY	AASHTO Class:	A-6(4)
Sampled By:	FAULKNER	Material Type (1 or 2):	2
Lab No.:	20151582	LONGITUDE:	
Sample ID:	RV200		

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 ₃ psi	S _{cyclic} psi	P _{max} lbs	P _{cyclic} lbs	P _{contact} lbs	S _{max} psi	S _{cyclic} psi	S _{contact} psi	H _{avg} in	ε _r in/in	M _r psi
Sequence 1	6.0	2.0	25.4	22.8	2.6	2.1	1.8	0.2	0.00088	0.00011	16,802
Sequence 2	6.0	4.0	47.5	44.8	2.7	3.9	3.6	0.2	0.00192	0.00024	15,208
Sequence 3	6.0	6.0	70.3	66.7	3.6	5.7	5.4	0.3	0.00317	0.00040	13,667
Sequence 4	6.0	8.0	92.7	86.5	6.2	7.5	7.0	0.5	0.00491	0.00061	11,462
Sequence 5	6.0	10.0	114.9	106.3	8.7	9.3	8.6	0.7	0.00679	0.00085	10,174
Sequence 6	4.0	2.0	25.2	22.5	2.7	2.0	1.8	0.2	0.00096	0.00012	15,263
Sequence 7	4.0	4.0	47.0	44.2	2.8	3.8	3.6	0.2	0.00219	0.00027	13,149
Sequence 8	4.0	6.0	68.2	65.3	2.8	5.5	5.3	0.2	0.00370	0.00046	11,496
Sequence 9	4.0	8.0	90.6	85.4	5.3	7.4	6.9	0.4	0.00544	0.00068	10,211
Sequence 10	4.0	10.0	113.2	105.3	7.8	9.2	8.6	0.6	0.00738	0.00092	9,289
Sequence 11	2.0	2.0	25.1	22.3	2.8	2.0	1.8	0.2	0.00109	0.00014	13,312
Sequence 12	2.0	4.0	46.6	43.8	2.8	3.8	3.6	0.2	0.00251	0.00031	11,354
Sequence 13	2.0	6.0	67.1	64.3	2.8	5.5	5.2	0.2	0.00425	0.00053	9,826
Sequence 14	2.0	8.0	88.0	83.6	4.5	7.1	6.8	0.4	0.00620	0.00077	8,762
Sequence 15	2.0	10.0	110.0	103.1	6.9	8.9	8.4	0.6	0.00829	0.00104	8,084

TESTED BY _____ DATE June 26, 2015

REVIEWED BY _____ DATE _____

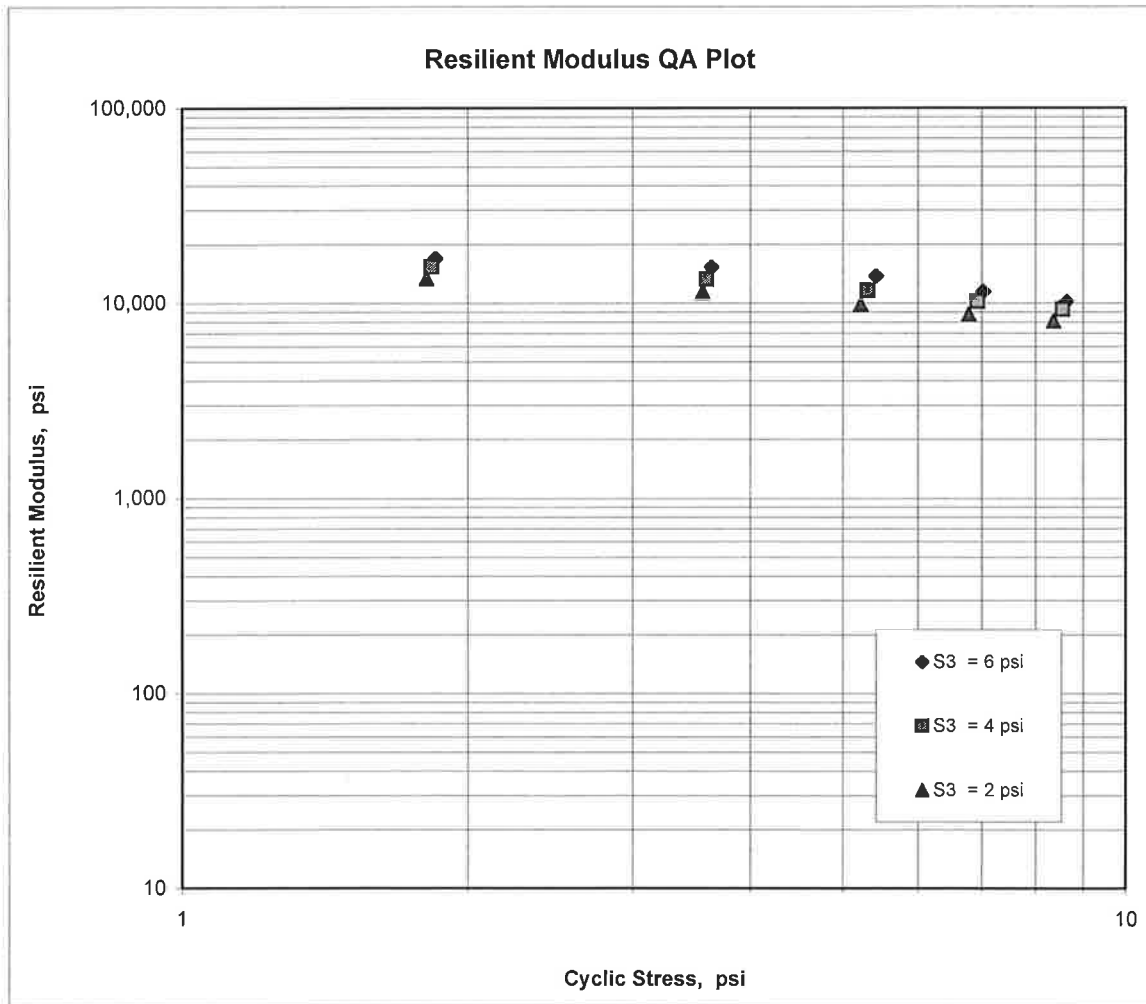
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION**

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/26/15	Station No.:	392+00
Date Tested:	June 26, 2015	Location:	22'RT
Name of Project:	I-40-SOLGOHACHIA (SAFETY IMPVTS.)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151582	AASHTO Class:	A-6(4)
Sample ID:	RV200	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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

$K_1 =$	<u>13,718</u>
$K_2 =$	<u>-0.32177</u>
$K_5 =$	<u>0.25107</u>
$R^2 =$	<u>0.96</u>



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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/26/15	Station No.:	448+00
Date Tested:	June 26, 2015	Location:	22LT
Name of Project:	I-40-SOLGOHACHIA (SAFETY IMPVTS.)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151583	AASHTO Class:	A-4(1)
Sample ID:	RV201	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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):	3324.20
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4. Soil Properties:

Optimum Moisture Content (%):	13.4
Maximum Dry Density (pcf):	116.1
95% of MDD (pcf):	110.3
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3324.20
Compaction Moisture content (%):	14.2
Compaction Wet Density (pcf):	127.96
Compaction Dry Density (pcf):	112.05
Moisture Content After Mr Test (%):	12.8

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

7. Resilient Modulus, Mr: $9523(S_c)^{-0.26219}(S_3)^{0.38024}$

8. Comments _____

9. Tested By: DEB **Date:** June 26, 2015

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

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/26/15	Station No.:	448+00
Date Tested:	June 26, 2015	Location:	22LT
Name of Project:	I-40-SOLGOHACHIA (SAFETY IMPVTS.) (S)	Depth:	0-5
County:	Code: 15 CONWAY	AASHTO Class:	A-4(1)
Sampled By:	FAULKNER	Material Type (1 or 2):	2
Lab No.:	20151583	LONGITUDE:	
Sample ID:	RV201		

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 ₃ psi	S _{cyclic} psi	P _{max} lbs	P _{cyclic} lbs	P _{contact} lbs	S _{max} psi	S _{cyclic} psi	S _{contact} psi	H _{avg} in	ε _r in/in	M _r psi
Sequence 1	6.0	2.0	24.7	22.1	2.7	2.0	1.8	0.2	0.00091	0.00011	15,778
Sequence 2	6.0	4.0	45.7	43.0	2.7	3.7	3.5	0.2	0.00203	0.00025	13,743
Sequence 3	6.0	6.0	66.9	63.3	3.6	5.4	5.1	0.3	0.00321	0.00040	12,779
Sequence 4	6.0	8.0	88.2	82.0	6.2	7.1	6.6	0.5	0.00454	0.00057	11,708
Sequence 5	6.0	10.0	108.9	100.3	8.7	8.8	8.1	0.7	0.00595	0.00074	10,926
Sequence 6	4.0	2.0	24.3	21.7	2.6	2.0	1.8	0.2	0.00102	0.00013	13,858
Sequence 7	4.0	4.0	44.2	41.5	2.7	3.6	3.4	0.2	0.00234	0.00029	11,497
Sequence 8	4.0	6.0	62.8	60.0	2.8	5.1	4.9	0.2	0.00378	0.00047	10,297
Sequence 9	4.0	8.0	83.5	78.2	5.3	6.8	6.3	0.4	0.00523	0.00065	9,696
Sequence 10	4.0	10.0	104.8	96.8	8.0	8.5	7.8	0.6	0.00671	0.00084	9,361
Sequence 11	2.0	2.0	23.6	20.9	2.7	1.9	1.7	0.2	0.00120	0.00015	11,238
Sequence 12	2.0	4.0	42.2	39.4	2.8	3.4	3.2	0.2	0.00278	0.00035	9,173
Sequence 13	2.0	6.0	59.3	56.4	2.9	4.8	4.6	0.2	0.00448	0.00056	8,162
Sequence 14	2.0	8.0	77.9	73.2	4.6	6.3	5.9	0.4	0.00619	0.00077	7,668
Sequence 15	2.0	10.0	97.7	90.5	7.2	7.9	7.3	0.6	0.00779	0.00097	7,533

TESTED BY _____ DATE June 26, 2015

REVIEWED BY _____ DATE _____

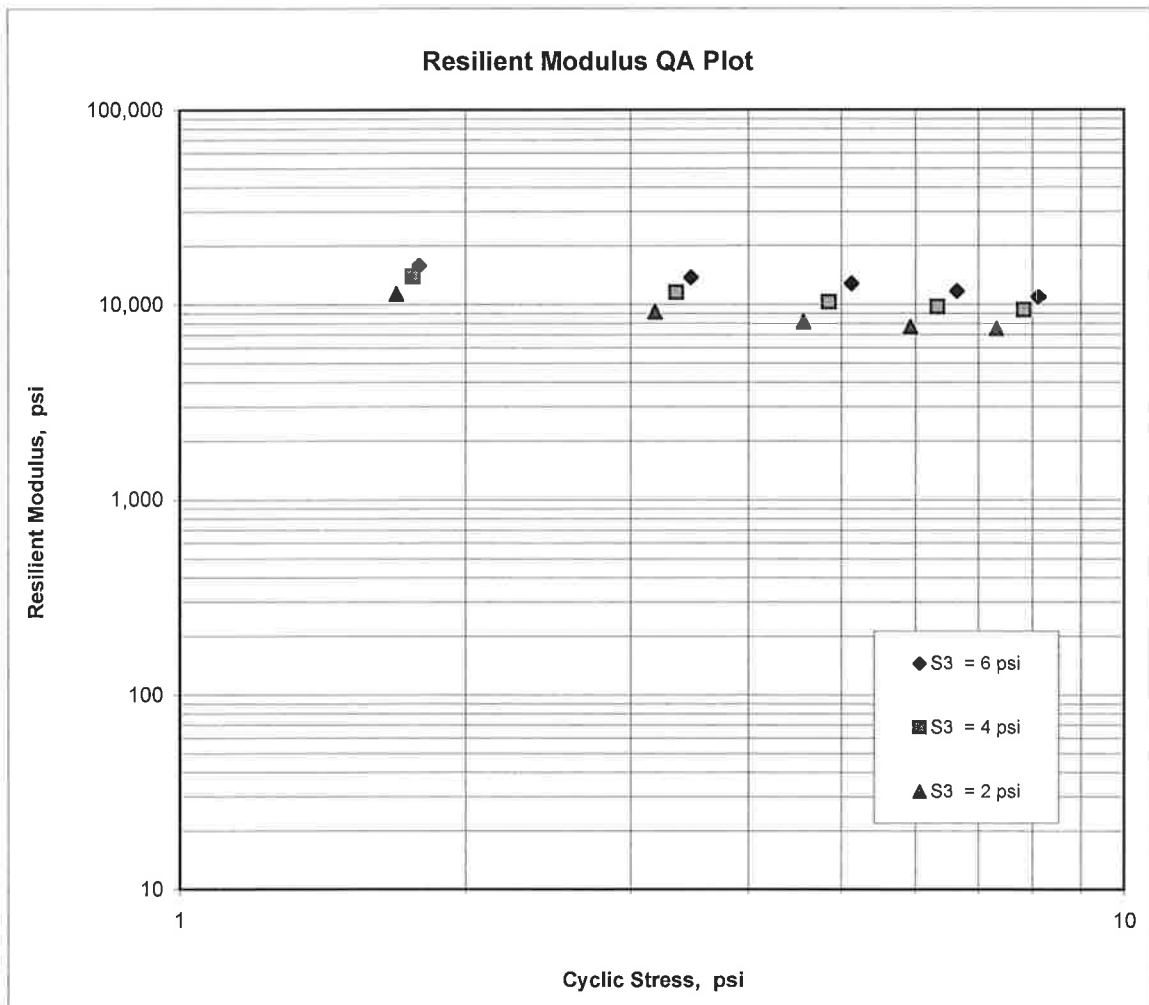
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION**

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

Job No.	080494	Material Code	SSRVPS
Date Sampled:	6/26/15	Station No.:	448+00
Date Tested:	June 26, 2015	Location:	22'LT
Name of Project:	I-40-SOLGOHACHIA (SAFETY IMPVTS.)(S)		
County:	Code: 15	Name:	CONWAY
Sampled By:	FAULKNER	Depth:	0-5
Lab No.:	20151583	AASHTO Class:	A-4(1)
Sample ID:	RV201	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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

$K_1 = \underline{\underline{9,523}}$
 $K_2 = \underline{\underline{-0.26219}}$
 $K_5 = \underline{\underline{0.38024}}$
 $R^2 = \underline{\underline{0.99}}$



JOB: 080494

Arkansas State Highway Transportation Department

JOB NAME: I-40 TO SOLGOACHIA (SAFETY IMPVTS.)(S)

Materials Division

COUNTY NO. 15 DATE TESTED 6/16/2015

Michael Benson, Materials Engineer

STA.#	LOC.	DEPTH	COLOR						L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				#4	#10	#40	#80	#200					
				S	I	E	V	E	S				
120+00	23RT	0-5	BROWN	94	89	86	83	81	66	31	A-7-5(29)	RV195	
160+00	22LT	0-5	BROWN	93	84	74	64	57	32	12	A-6(4)	RV196	
240+00	20LT	0-5	BR/GR	81	73	64	57	47	23	08	A-4(1)	RV197	
280+00	25RT	0-5	BROWN	97	95	91	86	79	34	15	A-6(11)	RV198	
345+00	26RT	0-5	BROWN	61	54	49	45	39	24	08	A-4(0)	RV199	
392+00	22RT	0-5	BROWN	76	69	62	59	54	32	13	A-6(4)	RV200	
448+00	22LT	0-5	BROWN	84	72	58	52	46	26	07	A-4(1)	RV201	
104+00	05RT	0-4Z	BROWN	92	83	79	78	73	31	13	A-6(8)	S061	7
104+00	12RT	0-4Z	BROWN	98	92	81	77	70	30	13	A-6(7)	S062	6.3
104+00	22RT	0-4Z	BR/GR	83	75	60	56	49	24	07	A-4(1)	S063	6.1
112+00	05LT	0-5	GRAY	97	89	81	77	73	33	13	A-6(8)	S064	28.6
112+00	12LT	0-5	BR/GR	99	94	85	81	77	32	14	A-6(9)	S065	7.5
112+00	22LT	0-5	BR/GR	97	87	72	66	58	29	12	A-6(4)	S066	18.5
120+00	05RT	0-5	RD/BR	99	93	83	78	73	49	24	A-7-6(17)	S067	18.8
120+00	13RT	0-5	RD/BR	92	82	72	67	64	49	24	A-7-6(14)	S068	27.2
120+00	23RT	0-5	BROWN	98	95	91	88	84	66	38	A-7-6(35)	S069	29.1
128+00	06LT	0-5	BROWN	97	92	85	63	45	25	08	A-4(1)	S070	10.4
128+00	13LT	0-5	BROWN	96	89	82	61	40	24	08	A-4(0)	S071	10.3
128+00	22LT	0-5	BROWN	98	92	87	66	49	27	10	A-4(2)	S072	15
136+00	06RT	0-5	BROWN	91	83	76	72	62	28	11	A-6(4)	S073	14.5
136+00	13RT	0-5	BR/GR	94	84	69	59	48	ND	NP	A-4(0)	S074	15
136+00	30RT	0-5	BR/GR	94	84	69	57	43	22	06	A-4(0)	S075	19.8
144+00	05LT	0-5	BR/GR	99	97	93	89	85	37	20	A-6(16)	S076	19.8
144+00	12LT	0-5	BR/GR	98	95	91	87	81	46	28	A-7-6(22)	S077	22.1
144+00	19LT	0-5	BR/GR	97	92	84	74	62	28	12	A-6(5)	S078	21.4
152+00	05RT	0-5Z	BROWN	97	94	89	86	81	27	11	A-6(7)	S079	22

comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

Wednesday, July 08, 2015

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
152+00	13RT	0-5	BROWN	99	95	89	84	77	29	13	A-6(8)	S080	20.8
152+00	23RT	0-5	BROWN	99	97	95	91	83	29	13	A-6(9)	S081	20.3
160+00	06LT	0-2.5Z	BROWN	97	96	82	61	47	19	04	A-4(0)	S082	10.5
160+00	13LT	0-5	BROWN	93	87	80	72	67	36	16	A-6(9)	S083	18.4
160+00	22LT	0-5	BROWN	97	92	85	71	62	31	14	A-6(6)	S084	23.1
168+00	06RT	0-5	BROWN	97	90	83	78	69	37	20	A-6(12)	S085	15.6
168+00	13RT	0-5	BROWN	99	97	91	84	75	40	19	A-6(13)	S086	16.3
168+00	24RT	0-5	BROWN	90	82	76	69	62	37	17	A-6(8)	S087	17.3
176+00	05LT	0-5	BROWN	93	76	69	51	38	18	02	A-4(0)	S088	9.6
176+00	13LT	0-5	BROWN	95	89	83	62	43	19	04	A-4(0)	S089	17.3
176+00	18LT	0-5	BROWN	98	94	93	59	39	ND	NP	A-4(0)	S090	14.7
184+00	05RT	0-5	BROWN	80	73	65	49	31	ND	NP	A-2-4(0)	S091	14.6
184+00	13RT	0-5	BROWN	98	95	91	66	40	ND	NP	A-4(0)	S092	13.7
184+00	18RT	0-2.5Z	BROWN	98	95	91	87	80	ND	NP	A-4(0)	S093	7.6
192+00	05LT	0-5	BROWN	94	84	76	51	39	19	03	A-4(0)	S094	13.1
192+00	13LT	0-5	RD/BR	95	89	82	63	48	ND	NP	A-4(0)	S095	13.8
192+00	24LT	0-5	BROWN	98	93	90	76	65	ND	NP	A-4(0)	S096	16.1
200+00	05RT	0-3Z	BROWN	96	87	77	72	60	22	05	A-4(0)	S097	4.7
200+00	13RT	0-4Z	BROWN	99	93	85	80	68	23	06	A-4(2)	S098	11.5
200+00	24RT	0-3.5Z	BROWN	95	84	71	67	56	22	06	A-4(1)	S099	6.7
208+00	05LT	0-5	BROWN	99	98	97	91	74	ND	NP	A-4(0)	S100	17.2
208+00	13LT	0-5	BROWN	98	96	93	87	66	ND	NP	A-4(0)	S101	20.1
208+00	20LT	0-5	BROWN	99	95	89	83	70	23	06	A-4(2)	S102	18.4
216+00	05RT	0-5	BROWN	100	99	99	95	88	24	08	A-4(5)	S103	21.9
216+00	13RT	0-5	BROWN	99	98	96	92	84	27	14	A-6(9)	S104	17.3
216+00	20RT	0-5	BROWN	99	98	97	94	88	27	11	A-6(8)	S105	23.7
224+00	05LT	0-5	BROWN	99	96	94	90	82	31	12	A-6(9)	S106	20.3
224+00	13LT	0-5	BROWN	99	95	91	86	77	29	12	A-6(7)	S107	19.9

comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

Wednesday, July 08, 2015

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
224+00	22LT	0-5	BROWN	99	96	92	84	72	29	11	A-6(6)	S108	21.3
232+00	05RT	0-5	BR/GR	99	97	95	91	88	41	20	A-7-6(18)	S109	11.1
232+00	14RT	0-5	BR/GR	98	97	91	87	83	41	21	A-7-6(17)	S110	11.2
232+00	22RT	0-5	BROWN	100	99	94	89	83	33	16	A-6(12)	S111	15.3
240+00	05LT	0-5	BR/GR	98	94	85	79	72	32	14	A-6(8)	S112	18.5
240+00	13LT	0-5	BR/GR	98	93	86	80	73	35	15	A-6(10)	S113	14.2
240+00	20LT	0-5	BR/GR	96	89	82	74	60	23	07	A-4(2)	S114	19.7
248+00	05RT	0-5	BR/GR	98	96	94	91	86	33	13	A-6(11)	S115	26
248+00	13RT	0-5	BROWN	96	93	91	88	81	29	12	A-6(8)	S116	18.7
248+00	21RT	0-5	BROWN	99	97	93	89	80	32	13	A-6(9)	S117	19.4
256+00	05LT	0-5	BROWN	100	98	95	92	85	30	12	A-6(9)	S118	18.3
256+00	13LT	0-5	BROWN	99	97	95	92	81	27	10	A-4(6)	S119	21.3
256+00	17LT	0-5	BROWN	98	97	94	86	68	ND	NP	A-4(0)	S120	24.2
264+00	05RT	0-5	BR/GR	99	97	95	90	82	32	18	A-6(13)	S121	19.5
272+00	05LT	0-5	BROWN	100	99	98	94	86	28	09	A-4(6)	S122	18.3
272+00	13LT	0-5	BR/GR	99	96	94	90	80	27	09	A-4(5)	S123	19.7
272+00	18LT	0-5	BROWN	93	90	84	75	60	23	07	A-4(2)	S124	21.3
280+00	05RT	0-5	BROWN	95	89	80	74	66	34	14	A-6(7)	S125	16.2
280+00	12RT	0-5	BR/GR	92	87	83	56	26	30	12	A-2-6(0)	S126	19.1
280+00	25RT	0-5	BROWN	99	98	94	88	78	33	14	A-6(10)	S127	22.1
288+00	06LT	0-5	GRAY	100	99	93	90	88	39	19	A-6(17)	S128	12.3
288+00	13LT	0-5	BR/GR	98	90	81	76	70	31	14	A-6(8)	S129	18.1
288+00	21LT	0-5	GRAY	100	98	88	84	80	38	19	A-6(14)	S130	14.5
296+00	05RT	0-5	BROWN	98	93	87	83	75	30	11	A-6(7)	S131	19.1
296+00	13RT	0-5	BROWN	97	90	79	72	59	25	09	A-4(3)	S132	15.7
296+00	22RT	0-5	BROWN	99	95	82	74	64	34	14	A-6(7)	S133	19.5
304+00	05LT	0-5	BROWN	99	93	91	89	82	32	13	A-6(10)	S134	17.9
304+00	13LT	0-5	BROWN	97	91	86	82	73	30	12	A-6(7)	S135	18.1

comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

Wednesday, July 08, 2015

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
304+00	19LT	0-5	BROWN	89	77	68	63	56	29	10	A-4(3)	S136	20.5
312+00	05RT	0-5	BR/GR	94	84	73	68	54	25	09	A-4(2)	S137	13
312+00	13RT	0-5	BR/GR	83	66	56	53	41	27	09	A-4(1)	S138	11.3
312+00	18RT	0-4Z	BR/GR	96	88	80	73	57	24	06	A-4(1)	S139	21.5
321+00	05LT	0-5	BROWN	98	93	87	81	69	22	05	A-4(1)	S140	17.1
321+00	13LT	0-5	BROWN	96	93	91	88	81	23	05	A-4(2)	S141	19.3
321+00	25LT	0-5	BROWN	99	98	95	92	83	23	05	A-4(2)	S142	21.5
328+00	05RT	0-5	BR/GR	100	98	95	89	74	22	06	A-4(2)	S143	13.8
328+00	13RT	0-5	BROWN	99	93	86	80	67	23	06	A-4(2)	S144	15.4
328+00	20RT	0-5	BROWN	97	94	88	81	64	ND	NP	A-4(0)	S145	20.1
336+00	06LT	0-5	BR/GR	100	98	96	92	79	ND	NP	A-4(0)	S146	17.1
336+00	13LT	0-5	BR/GR	97	93	90	86	75	ND	NP	A-4(0)	S147	21.1
336+00	25LT	0-5	BROWN	98	91	83	77	65	24	03	A-4(0)	S148	22
345+00	06RT	0-5	GRAY	99	96	92	88	76	24	07	A-4(3)	S149	16.8
345+00	13RT	0-5	GRAY	95	89	84	76	63	23	08	A-4(2)	S150	16.6
345+00	26RT	0-5	BROWN	96	90	81	74	63	27	09	A-4(3)	S151	17.9
352+00	05LT	0-5	BROWN	96	90	85	83	78	32	12	A-6(8)	S152	24.2
352+00	12LT	0-5	BROWN	95	87	77	72	61	22	04	A-4(0)	S153	19.9
352+00	20LT	0-5	BROWN	91	85	78	76	68	26	08	A-4(3)	S154	24.1
360+00	05RT	0-5	BROWN	98	94	87	84	80	37	19	A-6(14)	S155	17.1
360+00	12RT	0-5	BROWN	97	92	84	79	70	25	08	A-4(3)	S156	20.8
360+00	19RT	0-5	BROWN	98	95	91	89	86	31	11	A-6(9)	S157	26.4
368+00	05LT	0-5	BROWN	96	90	83	81	79	34	13	A-6(9)	S158	19.3
368+00	13LT	0-5	BROWN	97	88	78	76	73	34	14	A-6(9)	S159	19.9
368+00	19LT	0-5	BROWN	98	92	84	81	77	29	10	A-4(6)	S160	18.8
376+00	05RT	0-5	BROWN	96	90	81	73	63	ND	NP	A-4(0)	S161	18
376+00	13RT	0-5	BROWN	98	96	93	89	84	27	10	A-4(7)	S162	20.1
376+00	23RT	0-5	BROWN	100	99	96	95	92	27	08	A-4(6)	S163	27.8

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
384+00	06LT	0-5	BROWN	97	93	85	82	78	28	09	A-4(5)	S164	17.1
384+00	13LT	0-5	BROWN	100	97	91	88	80	29	12	A-6(8)	S165	19.7
384+00	22LT	0-5	BROWN	98	93	87	85	82	27	09	A-4(6)	S166	26.3
392+00	05RT	0-5	BROWN	99	94	88	84	78	30	12	A-6(8)	S167	17.8
392+00	13RT	0-5	BROWN	94	86	75	68	57	25	10	A-4(3)	S168	14.2
392+00	22RT	0-5	BROWN	97	91	81	79	75	33	13	A-6(8)	S169	21.6
400+00	05LT	0-5	BROWN	97	93	87	84	76	26	08	A-4(4)	S170	23.6
400+00	13LT	0-5	BROWN	99	95	91	86	77	ND	NP	A-4(0)	S171	20.7
400+00	22LT	0-5	BROWN	98	96	94	91	82	ND	NP	A-4(0)	S172	21.8
408+00	06RT	0-2Z	BROWN	98	91	82	78	68	30	12	A-6(6)	S173	11.4
408+00	14RT	0-2Z	BROWN	88	80	70	61	50	19	05	A-4(0)	S174	7
416+00	05LT	0-5	BROWN	98	93	87	82	73	21	07	A-4(2)	S175	22.2
416+00	13LT	0-5	BROWN	99	95	86	80	69	22	07	A-4(2)	S176	19.2
416+00	20LT	0-5	BROWN	92	81	66	59	46	25	08	A-4(1)	S177	16
424+00	05RT	0-5	BROWN	97	93	88	86	81	32	15	A-6(11)	S178	22.3
424+00	13RT	0-5	BROWN	93	89	84	81	75	30	14	A-6(8)	S179	18.5
424+00	18RT	0-5	BROWN	97	91	81	77	70	33	15	A-6(9)	S180	25
432+00	05LT	0-5	BROWN	99	93	84	80	75	34	17	A-6(11)	S181	18
432+00	13LT	0-5	BR/GR	99	95	84	78	68	25	10	A-4(4)	S182	18
432+00	20LT	0-4Z	BR/GR	97	93	83	78	71	30	12	A-6(7)	S183	20.5
440+00	05RT	0-5Z	GRAY	98	96	91	88	85	39	18	A-6(15)	S184	7.3
440+00	13RT	0-4Z	GRAY	99	96	89	83	77	36	16	A-6(11)	S185	10.2
440+00	20RT	0-3Z	GRAY	95	92	85	80	76	38	17	A-6(12)	S186	14.3
448+00	05LT	0-5	BR/GR	98	94	80	74	66	32	14	A-6(7)	S187	11.4
448+00	13LT	0-5	BROWN	98	97	94	92	83	24	08	A-4(4)	S188	15.1
448+00	22LT	0-5	BROWN	96	90	74	66	57	26	07	A-4(2)	S189	22
456+00	05RT	0-5	GRAY	98	92	78	71	65	25	08	A-4(3)	S190	12.8
456+00	13RT	0-5	BR/GR	99	96	90	85	81	24	09	A-4(5)	S191	17.8

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
456+00	18RT	0-5	BR/GR	94	89	82	77	73	41	20	A-7-6(14)	S192	20.1
465+00	05LT	0-5	BR/GR	97	92	85	80	74	30	14	A-6(8)	S193	13.9
465+00	13LT	0-5	BROWN	91	80	68	62	54	28	09	A-4(2)	S194	21.4

JOB: 080494

Arkansas State Highway Transportation Department

DATE TESTED

JOB NAME: 140 TO SOLGOACHIA (SAFETY IMPVTS.)S)

Materials Division

6/9/2015

COUNTY NO. 15

Michael Benson, Materials Engineer

STA.# LOC.

PAVEMENT SOUNDINGS

104+00	05RT	ACHMSC	ACHMBC	AGG.BASW CRS CL-7	
		7.0W	3.0	7.0	
104+00	12RT	ACHMSC	ACHMBC	AGG.BASW CRS CL-7	
		6.5W	--	4.0	
104+00	22RT	ACHMSC	ACHMBC	AGG.BASW CRS CL-7	
		--	--	--	
112+00	05LT	ACHMSC	CHIP SEAL	ACHNBC	AGG.BASE CRS CL-7
		7.5	.75	2.5	6.0
112+00	12LT	ACHMSC	CHIP SEAL	ACHNBC	AGG.BASE CRS CL-7
		7.0	--	--	2.0
112+00	22LT	ACHMSC	CHIP SEAL	ACHNBC	AGG.BASE CRS CL-7
		--	--	--	--
120+00	05RT	ACHMSC			
		16.0W			
120+00	13RT	ACHMSC			
		6.5			
120+00	23RT	ACHMSC			
		--			
128+00	06LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		7.0	1.25	6.0	
128+00	13LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		6.0	--	8.0	
128+00	22LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		--	--	--	
136+00	06RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		6.0	10.0	--	
136+00	13RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		3.5	--	3.0	
136+00	30RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		--	--	--	
144+00	05LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		8.5	1.0	1.5	10.0
144+00	12LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		7.0	--	--	4.0

Comments: W=MULTIPLE LAYERS, Z=Auger Refusal

Wednesday, July 08, 2015

144+00	19LT	ACHMSC	---	CHIP SEAL	ACHMBC	---	AGG.BASE CRS CL-7	---
152+00	05RT	ACHMSC	7.75	CHIP SEAL	ACHMBC	2.0	AGG.BASE CRS CL-7	6.0
152+00	13RT	ACHMSC	5.25W	CHIP SEAL	ACHMBC	---	AGG.BASE CRS CL-7	3.0
152+00	23RT	ACHMSC	---	CHIP SEAL	ACHMBC	---	AGG.BASE CRS CL-7	---
160+00	06LT	ACHMSC	6.0	CHIP SEAL	ACHMBC	2.5	AGG.BASE CRS CL-7	6.0
160+00	13LT	ACHMSC	5.0W	CHIP SEAL	ACHMBC	---	AGG.BASE CRS CL-7	2.0
160+00	22LT	ACHMSC	---	CHIP SEAL	ACHMBC	---	AGG.BASE CRS CL-7	---
168+00	06RT	ACHMSC	10.25W	AGG.BASE CRS CL-7	ACHMSC	7.0	AGG.BASE CRS CL-7	---
168+00	13RT	ACHMSC	7.25W	AGG.BASE CRS CL-7	ACHMSC	3.0	AGG.BASE CRS CL-7	---
168+00	24RT	ACHMSC	---	AGG.BASE CRS CL-7	ACHMSC	---	AGG.BASE CRS CL-7	---
176+00	05LT	ACHMSC	7.0W	CHIP SEAL	ACHMSC	1.5	CHIP SEAL	ACHMBC
176+00	13LT	ACHMSC	8.5	CHIP SEAL	ACHMSC	---	CHIP SEAL	ACHMBC
176+00	18LT	ACHMSC	---	CHIP SEAL	ACHMSC	---	CHIP SEAL	ACHMBC
184+00	05RT	ACHMSC	6.5	CHIP SEAL	ACHMSC	1.0	CHIP SEAL	ACHMBC
184+00	13RT	ACHMSC	7.0W	CHIP SEAL	ACHMSC	---	CHIP SEAL	ACHMBC
184+00	18RT	ACHMSC	---	CHIP SEAL	ACHMSC	---	CHIP SEAL	ACHMBC
192+00	05LT	ACHMSC	6.0W	AGG.BASE CRS CL-7	ACHMBC	4.0	AGG.BASE CRS CL-7	---
192+00	13LT	ACHMSC	4.25	AGG.BASE CRS CL-7	ACHMBC	---	AGG.BASE CRS CL-7	---
192+00	24LT	ACHMSC	---	AGG.BASE CRS CL-7	ACHMBC	---	AGG.BASE CRS CL-7	---

Comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

200+00	05RT	ACHMSC	ACHMSC	ACHMSC	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		5.25	4.75	3.5	1.5	1.5	4.0	
200+00	13RT	ACHMSC	ACHMBC	ACHMSC	ACHMBC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		6.0W	6.0	--	--	--	2.0	
200+00	24RT	ACHMSC	ACHMBC	ACHMSC	ACHMBC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		--	--	--	--	--	--	
208+00	05LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	8.0		
		8.0W	.50	2.0	8.0			
208+00	13LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	3.0		
		6.5W	--	--	3.0			
208+00	20LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	--		
		--	--	--	--			
216+00	05RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	5.0			
		8.5W	2.25	5.0				
216+00	13RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	--			
		7.0	--	--	--			
216+00	20RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	--			
		--	--	--	--			
224+00	05LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	7.0		
		8.0	1.0	2.5	7.0			
224+00	13LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	6.0		
		7.0	--	--	6.0			
224+00	22LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	--		
		--	--	--	--			
232+00	05RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	5.0		
		7.5W	1.0	2.5	5.0			
232+00	14RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	3.0		
		6.0W	--	--	3.0			
232+00	22RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	--		
		--	--	--	--			
240+00	05LT	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	6.0		
		11.0	.125	2.0	.125	2.5	6.0	
240+00	13LT	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	4.0		
		11.75	--	--	--	--	4.0	
240+00	20LT	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	--		
		--	--	--	--	--	--	
248+00	05RT	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	4.0		
		7.25	.125	1.25	.125	4.0	4.0	

Comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

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248+00	13RT	ACHMSC	6.0	ACHMSC	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	AGG.BASE CRS CL-7	3.0
248+00	21RT	ACHMSC	---	ACHMSC	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	AGG.BASE CRS CL-7	---
256+00	05LT	ACHMSC	8.0	ACHMSC	1.0	ACHMBC	2.75	AGG.BASE CRS CL-7	4.0	ACHMBC	---	AGG.BASE CRS CL-7	4.0	AGG.BASE CRS CL-7	---
256+00	13LT	ACHMSC	6.25W	ACHMSC	---	ACHMBC	---	AGG.BASE CRS CL-7	4.0	ACHMBC	---	AGG.BASE CRS CL-7	4.0	AGG.BASE CRS CL-7	---
256+00	17LT	ACHMSC	---	ACHMSC	---	ACHMBC	---	AGG.BASE CRS CL-7	---	ACHMBC	---	AGG.BASE CRS CL-7	---	AGG.BASE CRS CL-7	---
264+00	05RT	ACHMSC	9.25W	ACHMSC	1.0	ACHMBC	---	AGG.BASE CRS CL-7	4.0	ACHMBC	---	AGG.BASE CRS CL-7	4.0	AGG.BASE CRS CL-7	---
272+00	05LT	ACHMSC	7.5	ACHMSC	1.0	ACHMBC	3.0	AGG.BASE CRS CL-7	6.0	ACHMBC	---	AGG.BASE CRS CL-7	6.0	AGG.BASE CRS CL-7	---
272+00	13LT	ACHMSC	9.0	ACHMSC	---	ACHMBC	---	AGG.BASE CRS CL-7	2.0	ACHMBC	---	AGG.BASE CRS CL-7	2.0	AGG.BASE CRS CL-7	---
272+00	18LT	ACHMSC	---	ACHMSC	---	ACHMBC	---	AGG.BASE CRS CL-7	---	ACHMBC	---	AGG.BASE CRS CL-7	---	AGG.BASE CRS CL-7	---
280+00	05RT	ACHMSC	8.5	ACHMSC	1.0	ACHMBC	3.0	AGG.BASE CRS CL-7	5.0	ACHMBC	---	AGG.BASE CRS CL-7	5.0	AGG.BASE CRS CL-7	---
280+00	12RT	ACHMSC	5.25	ACHMSC	---	ACHMBC	2.0	AGG.BASE CRS CL-7	4.0	ACHMBC	---	AGG.BASE CRS CL-7	4.0	AGG.BASE CRS CL-7	---
280+00	25RT	ACHMSC	---	ACHMSC	---	ACHMBC	---	AGG.BASE CRS CL-7	---	ACHMBC	---	AGG.BASE CRS CL-7	---	AGG.BASE CRS CL-7	---
288+00	06LT	ACHMSC	7.5	ACHMSC	.125	ACHMSC	1.0	CHIP SEAL	.125	ACHMBC	2.0	AGG.BASE CRS CL-7	5.0	AGG.BASE CRS CL-7	---
288+00	13LT	ACHMSC	6.75W	ACHMSC	---	ACHMSC	---	CHIP SEAL	---	ACHMBC	---	AGG.BASE CRS CL-7	4.0	AGG.BASE CRS CL-7	---
288+00	21LT	ACHMSC	---	ACHMSC	---	ACHMBC	---	AGG.BASE CRS CL-7	---	ACHMBC	---	AGG.BASE CRS CL-7	---	AGG.BASE CRS CL-7	---
296+00	05RT	ACHMSC	8.5W	ACHMSC	1.5	ACHMBC	2.5	AGG.BASE CRS CL-7	4.0	ACHMBC	---	AGG.BASE CRS CL-7	4.0	AGG.BASE CRS CL-7	---
296+00	13RT	ACHMSC	6.0	ACHMSC	---	ACHMBC	---	AGG.BASE CRS CL-7	2.0	ACHMBC	---	AGG.BASE CRS CL-7	2.0	AGG.BASE CRS CL-7	---
296+00	22RT	ACHMSC	---	ACHMSC	---	ACHMBC	---	AGG.BASE CRS CL-7	---	ACHMBC	---	AGG.BASE CRS CL-7	---	AGG.BASE CRS CL-7	---
304+00	05LT	ACHMSC	8.5W	ACHMSC	.75	ACHMBC	2.50	AGG.BASE CRS CL-7	7.0	ACHMBC	---	AGG.BASE CRS CL-7	7.0	AGG.BASE CRS CL-7	---

Comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

304+00	13LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	4.0	
		7.0W	--	--			
304+00	19LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	--	
		--	--	--			
312+00	05RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	5.0	
		6.75W	1.0	3.0			
312+00	13RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	5.0	
		6.5	--	--			
312+00	18RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	--	
		--	--	--			
321+00	05LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	7.0	
		9.5W	1.0	.25			
321+00	13LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	7.0	
		9.25W	--	--			
321+00	25LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	--	
		--	--	--			
328+00	05RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	7.0	
		7.25W	1.0	3.0			
328+00	13RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	4.0	
		8.75W	--	--			
328+00	20RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	--	
		--	--	--			
336+00	06LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	2.5	
		7.0	.125	1.0			
336+00	13LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	6.0	
		7.75W	--	--			
336+00	25LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	--	
		--	--	--			
345+00	06RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	5.0	
		7.75	.75	2.0			
345+00	13RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7	2.0	
		8.5W	--	--			
345+00	26RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	--	
		--	--	--			
352+00	05LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	3.0	
		7.0	.50	1.0			
352+00	12LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	3.0	
		7.0W	--	--			

Comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

352+00	20LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		--	--	--	--		
360+00	05RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		9.25W	.50	3.0	5.0		
360+00	12RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		8.0W	--	--	5.0		
360+00	19RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		--	--	--	--		
368+00	05LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		7.0W	.75	2.5	5.0		
368+00	13LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		7.0W	--	--	5.0		
368+00	19LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		--	--	--	--	--	--
376+00	05RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		9.75	.125	1.0	1.5	1.25	4.0
376+00	13RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		6.25	--	--	--	--	4.0
376+00	23RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		--	--	--	--		
384+00	06LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		8.75W	1.0	3.0	5.0		
384+00	13LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		7.0W	--	--	5.0		
384+00	22LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		--	--	--	--	--	--
392+00	05RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		8.25W	.125	1.50	.125	2.0	4.0
392+00	13RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		8.25W	--	--	--	--	3.0
392+00	22RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		--	--	--	--		
400+00	05LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		6.5	1.0	2.0	7.0		
400+00	13LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7		
		8.5W	--	--	--		
400+00	22LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7			
		--	--	--	--		

Comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

408+00	06RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		9.0W	3.0	4.0	
408+00	14RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		4.75W	--	3.0	
416+00	05LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		16.0W	1.0	2.0	5.0
416+00	13LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		4.5	--	--	6.0
416+00	20LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		--	--	--	--
424+00	05RT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		7.5W	1.0	2.0	7.0
424+00	13RT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		6.5W	--	--	3.0
424+00	18RT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		--	--	--	--
432+00	05LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		9.5	.50	2.0	6.0
432+00	13LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		5.0	--	--	4.0
432+00	20LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		--	--	--	--
440+00	05RT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		7.75W	1.75	3.0	5.0
440+00	13RT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		6.0W	--	--	6.0
440+00	20RT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		--	--	--	--
448+00	05LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		9.25	.75	3.0	7.0
448+00	13LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		6.5W	--	--	5.0
448+00	22LT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		--	--	--	--
456+00	05RT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		9.5W	1.0	1.5	4.0
456+00	13RT	ACHMSC	CHIP SEAL	AGG.BASE CRS CL-7	
		6.25W	--	--	3.0

Comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

STA# LOC.

PAVEMENT SOUNDINGS

456+00	18RT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		--	--	--	--
465+00	05LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		4.25	1.0	2.0	6.0
465+00	13LT	ACHMSC	CHIP SEAL	ACHMBC	AGG.BASE CRS CL-7
		9.0	--	--	4.0

Comments: W=MULTIPLE LAYERS, Z=AUGER REFUSAL

Wednesday, July 08, 2015

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 07/06/15	SEQUENCE NO.	- 1
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY - ARKANSAS			
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS			

LAB NUMBER	- 20151443	- 20151444	- 20151445
SAMPLE ID	- S061	- S062	- S063
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 104+00	- 104+00	- 104+00
LOCATION	- 05RT	- 12RT	- 22RT
DEPTH IN FEET	- 0-4Z	- 0-4Z	- 0-4Z
MAT'L COLOR	- BROWN	- BROWN	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 10 35.90	- 35 10 35.90	- 35 10 35.90
LONGITUDE DEG-MIN-SEC	- 92 43 3.90	- 92 43 3.80	- 92 43 3.70
% PASSING	2 IN. -	-	-
	1 1/2 IN. - 100	-	-
	3/4 IN. - 99	-	-
	3/8 IN. - 97	-	100
	NO. 4 - 92	100	90
	NO. 10 - 83	98	83
	NO. 40 - 79	92	75
	NO. 80 - 78	81	60
	NO. 200 - 73	77	56
		70	49
LIQUID LIMIT	- 31	- 30	- 24
PLASTICITY INDEX	- 13	- 13	- 07
AASHTO SOIL	- A-6(8)	- A-6(7)	- A-4(1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 7.0	- 6.3	- 6.1
ACHMSC	(IN) - 7.0W	- 6.5W	- --
ACHMBC	(IN) - 3.0	- --	- --
AGG.BASW CRS CL-7	(IN) - 7.0	- 4.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL

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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	- 07/06/15	SEQUENCE NO.	- 2
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151446	- 20151447	- 20151448
SAMPLE ID	- S064	- S065	- S066
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 112+00	- 112+00	- 112+00
LOCATION	- 05LT	- 12LT	- 22LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- GRAY	- BR/GR	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 10 43.80	- 35 10 43.80	- 35 10 43.80
LONGITUDE DEG-MIN-SEC	- 92 43 3.80	- 92 43 3.90	- 92 43 4.00
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	-	- 100
3/8 IN.	- 99	- 100	- 99
NO. 4	- 97	- 99	- 97
NO. 10	- 89	- 94	- 87
NO. 40	- 81	- 85	- 72
NO. 80	- 77	- 81	- 66
NO. 200	- 73	- 77	- 58
LIQUID LIMIT	- 33	- 32	- 29
PLASTICITY INDEX	- 13	- 14	- 12
AASHTO SOIL	- A-6(8)	- A-6(9)	- A-6(4)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 28.6	- 7.5	- 18.5
ACHMSC (IN)	- 7.5	- 7.0	- --
CHIP SEAL (IN)	- .75	- --	- --
ACHNBC (IN)	- 2.5	- --	- --
AGG. BASE CRS CL-7 (IN)	- 6.0	- 2.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 4
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.)(S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151452	- 20151453	- 20151454
SAMPLE ID	- S070	- S071	- S072
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 128+00	- 128+00	- 128+00
LOCATION	- 06LT	- 13LT	- 22LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 10 56.80	- 35 10 56.90	- 35 10 56.90
LONGITUDE DEG-MIN-SEC	- 92 42 56.10	- 92 42 56.10	- 92 42 56.20

% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	- 100	- 100
	NO. 4	- 97	- 98
	NO. 10	- 92	- 92
	NO. 40	- 85	- 87
	NO. 80	- 63	- 66
	NO. 200	- 45	- 49

LIQUID LIMIT	- 25	- 24	- 27
PLASTICITY INDEX	- 08	- 08	- 10
AASHTO SOIL	- A-4 (1)	- A-4 (0)	- A-4 (2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 10.4	- 10.3	- 15.0

ACHMSC	(IN)	- 7.0	- 6.0	- --
CHIP SEAL	(IN)	- 1.25	- --	- --
AGG.BASE CRS CL-7	(IN)	- 6.0	- 8.0	- --
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 5
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151455	- 20151456	- 20151457
SAMPLE ID	- S073	- S074	- S075
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 136+00	- 136+00	- 136+00
LOCATION	- 06RT	- 13RT	- 30RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BR/GR	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 10 59.90	- 35 10 59.80	- 35 10 59.70
LONGITUDE DEG-MIN-SEC	- 92 42 47.30	- 92 42 47.30	- 92 42 47.20
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	- 100	- 100
3/8 IN.	- 98	- 99	- 99
NO. 4	- 91	- 94	- 94
NO. 10	- 83	- 84	- 84
NO. 40	- 76	- 69	- 69
NO. 80	- 72	- 59	- 57
NO. 200	- 62	- 48	- 43
LIQUID LIMIT	- 28	- ND	- 22
PLASTICITY INDEX	- 11	- NP	- 06
AASHTO SOIL	- A-6(4)	- A-4(0)	- A-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 14.5	- 15.0	- 19.8
ACHMSC (IN)	- 6.0	- 3.5	- --
ACHMBC (IN)	- 10.0	- --	- --
AGG.BASE CRS CL-7 (IN)	- --	- 3.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15	SEQUENCE NO. - 6
JOB NUMBER - 080494	MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED	SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE	SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK	COUNTY/STATE - 15
SUPPLIER NAME - STATE	DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)	
PROJECT ENGINEER - NOT APPLICABLE	
PIT/QUARRY - ARKANSAS	
LOCATION - CONWAY, COUNTY	DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER	DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE	DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS	

LAB NUMBER	- 20151458	- 20151459	- 20151460
SAMPLE ID	- S076	- S077	- S078
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 144+00	- 144+00	- 144+00
LOCATION	- 05LT	- 12LT	- 19LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/GR	- BR/GR	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 11 6.50	- 35 11 6.50	- 35 11 6.50
LONGITUDE DEG-MIN-SEC	- 92 42 42.60	- 92 42 42.70	- 92 42 42.80
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	100	-
3/8 IN.	- 100	- 99	- 100
NO. 4	- 99	- 98	- 97
NO. 10	- 97	- 95	- 92
NO. 40	- 93	- 91	- 84
NO. 80	- 89	- 87	- 74
NO. 200	- 85	- 81	- 62
LIQUID LIMIT	- 37	- 46	- 28
PLASTICITY INDEX	- 20	- 28	- 12
AASHTO SOIL	- A-6(16)	- A-7-6(22)	- A-6(5)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 19.8	- 22.1	- 21.4
ACHMSC (IN)	- 8.5	- 7.0	- --
CHIP SEAL (IN)	- 1.0	- --	- --
ACHMBC (IN)	- 1.5	- --	- --
AGG.BASE CRS CL-7 (IN)	- 10.0	- 4.0	- --
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 7
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151461	-	20151462	-	20151463
SAMPLE ID	-	S079	-	S080	-	S081
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	152+00	-	152+00	-	152+00
LOCATION	-	05RT	-	13RT	-	23RT
DEPTH IN FEET	-	0-5Z	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	35 11 14.20	-	35 11 14.20	-	35 11 14.20
LONGITUDE DEG-MIN-SEC	-	92 42 40.90	-	92 42 40.80	-	92 42 40.70
% PASSING	2 IN.	-	-	-	-	-
	1 1/2 IN.	-	-	-	-	-
	3/4 IN.	100	-	-	-	-
	3/8 IN.	99	-	100	-	100
	NO. 4	97	-	99	-	99
	NO. 10	94	-	95	-	97
	NO. 40	89	-	89	-	95
	NO. 80	86	-	84	-	91
	NO. 200	81	-	77	-	83
LIQUID LIMIT	-	27	-	29	-	29
PLASTICITY INDEX	-	11	-	13	-	13
AASHTO SOIL	-	A-6(7)	-	A-6(8)	-	A-6(9)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	22.0	-	20.8	-	20.3
ACHMSC	(IN)	7.75	-	5.25W	-	--
CHIP SEAL	(IN)	.50	-	--	-	--
ACHMBC	(IN)	2.0	-	--	-	--
AGG.BASE CRS CL-7	(IN)	6.0	-	3.0	-	--
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 8
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151464	20151465	20151466
SAMPLE ID	S082	S083	S084
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	160+00	160+00	160+00
LOCATION	06LT	13LT	22LT
DEPTH IN FEET	0-2.5Z	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	35 11 21.70	35 11 21.70	35 11 21.80
LONGITUDE DEG-MIN-SEC	92 42 37.50	92 42 37.60	92 42 37.70
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	100	-
3/8 IN.	100	96	100
NO. 4	97	93	97
NO. 10	96	87	92
NO. 40	82	80	85
NO. 80	61	72	71
NO. 200	47	67	62
LIQUID LIMIT	19	36	31
PLASTICITY INDEX	04	16	14
AASHTO SOIL	A-4 (0)	A-6 (9)	A-6 (6)
UNIFIED SOIL			
% MOISTURE CONTENT	10.5	18.4	23.1
ACHMSC (IN)	6.0	5.0W	--
CHIP SEAL (IN)	2.0	--	--
ACHMBC (IN)	2.5	--	--
AGG.BASE CRS CL-7 (IN)	6.0	2.0	--

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 9
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.)(S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151467	- 20151468	- 20151469
SAMPLE ID	- S085	- S086	- S087
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 168+00	- 168+00	- 168+00
LOCATION	- 06RT	- 13RT	- 24RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 11 27.30	- 35 11 27.30	- 35 11 27.20
LONGITUDE DEG-MIN-SEC	- 92 42 30.60	- 92 42 30.60	- 92 42 30.50
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. - 100	- 100	- 100
	NO. 4 - 97	- 99	- 90
	NO. 10 - 90	- 97	- 82
	NO. 40 - 83	- 91	- 76
	NO. 80 - 78	- 84	- 69
	NO. 200 - 69	- 75	- 62
LIQUID LIMIT	- 37	- 40	- 37
PLASTICITY INDEX	- 20	- 19	- 17
AASHTO SOIL	- A-6(12)	- A-6(13)	- A-6(8)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 15.6	- 16.3	- 17.3
ACHMSC (IN)	- 10.25W	- 7.25W	- --
AGG.BASE CRS CL-7 (IN)	- 7.0	- 3.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 10
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151470	- 20151471	- 20151472
SAMPLE ID	- S088	- S089	- S090
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 176+00	- 176+00	- 176+00
LOCATION	- 05LT	- 13LT	- 18LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 11 30.70	- 35 11 30.80	- 35 11 30.80
LONGITUDE DEG-MIN-SEC	- 92 42 22.80	- 92 42 22.80	- 92 42 22.80
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	100	-
	3/8 IN. - 100	99	100
	NO. 4 - 93	95	98
	NO. 10 - 76	89	94
	NO. 40 - 69	83	93
	NO. 80 - 51	62	59
	NO. 200 - 38	43	39
LIQUID LIMIT	- 18	- 19	- ND
PLASTICITY INDEX	- 02	- 04	- NP
AASHTO SOIL	- A-4 (0)	- A-4 (0)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 9.6	- 17.3	- 14.7
ACHMSC (IN)	- 7.0W	- 8.5	- --
CHIP SEAL (IN)	- .125	- --	- --
ACHMSC (IN)	- 1.5	- --	- --
CHIP SEAL (IN)	- .125	- --	- --
ACHMBC (IN)	- 3.0	- --	- --
AGG.BASE CRS CL-7 (IN)	- 6.0	- 4.0	- --
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 11
 JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
 SUPPLIER NAME - STATE DISTRICT NO. - 08
 NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
 PROJECT ENGINEER - NOT APPLICABLE
 PIT/QUARRY - ARKANSAS
 LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
 SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
 SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151473	20151474	20151475
SAMPLE ID	S091	S092	S093
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	184+00	184+00	184+00
LOCATION	05RT	13RT	18RT
DEPTH IN FEET	0-5	0-5	0-2.5Z
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	35 11 32.10	35 11 32.00	35 11 32.00
LONGITUDE DEG-MIN-SEC	92 42 13.40	92 42 13.40	92 42 13.40
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.	100		
3/8 IN.	90	100	100
NO. 4	80	98	98
NO. 10	73	95	95
NO. 40	65	91	91
NO. 80	49	66	87
NO. 200	31	40	80
LIQUID LIMIT	ND	ND	ND
PLASTICITY INDEX	NP	NP	NP
AASHTO SOIL	A-2-4 (0)	A-4 (0)	A-4 (0)
UNIFIED SOIL			
% MOISTURE CONTENT	14.6	13.7	7.6
ACHMSC (IN)	6.5	7.0W	--
CHIP SEAL (IN)	.25	--	--
ACHMSC (IN)	1.0	--	--
CHIP SEAL (IN)	.25	--	--
ACHMBC (IN)	2.5	--	--
AGG.BASE CRS CL-7 (IN)	5.0	3.0	--

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 12
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151476	- 20151477	- 20151478
SAMPLE ID	- S094	- S095	- S096
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 192+00	- 192+00	- 192+00
LOCATION	- 05LT	- 13LT	- 24LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- RD/BR	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 11 33.90	- 35 11 33.90	- 35 11 34.00
LONGITUDE DEG-MIN-SEC	- 92 42 3.70	- 92 42 3.70	- 92 42 3.70
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. - 100	- 100	- 100
	NO. 4 - 94	- 95	- 98
	NO. 10 - 84	- 89	- 93
	NO. 40 - 76	- 82	- 90
	NO. 80 - 51	- 63	- 76
	NO. 200 - 39	- 48	- 65
LIQUID LIMIT	- 19	- ND	- ND
PLASTICITY INDEX	- 03	- NP	- NP
AASHTO SOIL	- A-4 (0)	- A-4 (0)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 13.1	- 13.8	- 16.1
ACHMSC (IN)	- 6.0W	- 4.25	- --
ACHMBC (IN)	- 9.0	- 7.5	- --
AGG.BASE CRS CL-7 (IN)	- 4.0	- --	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL

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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 - 07/06/15 SEQUENCE NO. - 13
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151479	20151480	20151481
SAMPLE ID	S097	S098	S099
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	200+00	200+00	200+00
LOCATION	05RT	13RT	24RT
DEPTH IN FEET	0-3Z	0-4Z	0-3.5Z
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	35 11 39.60	35 11 39.60	35 11 39.60
LONGITUDE DEG-MIN-SEC	92 41 58.00	92 41 57.90	92 41 57.80
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	-	100
3/8 IN.	99	100	99
NO. 4	96	99	95
NO. 10	87	93	84
NO. 40	77	85	71
NO. 80	72	80	67
NO. 200	60	68	56
LIQUID LIMIT	22	23	22
PLASTICITY INDEX	05	06	06
AASHTO SOIL	A-4 (0)	A-4 (2)	A-4 (1)
UNIFIED SOIL			
% MOISTURE CONTENT	4.7	11.5	6.7
ACHMSC (IN)	5.25	6.0W	--
ACHMBC (IN)	4.75	6.0	--
ACHMSC (IN)	3.5	--	--
CHIP SEAL (IN)	1.5	--	--
ACHMBC (IN)	1.5	--	--
AGG.BASE CRS CL-7 (IN)	4.0	2.0	--

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 14
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151482	20151483	20151484
SAMPLE ID	S100	S101	S102
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	208+00	208+00	208+00
LOCATION	05LT	13LT	20LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	35 11 47.90	35 11 47.90	35 11 47.90
LONGITUDE DEG-MIN-SEC	92 41 57.90	92 41 58.00	92 41 58.10
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	100	-
3/8 IN.	99	99	100
NO. 4	99	98	99
NO. 10	98	96	95
NO. 40	97	93	89
NO. 80	91	87	83
NO. 200	74	66	70
LIQUID LIMIT	ND	ND	23
PLASTICITY INDEX	NP	NP	06
AASHTO SOIL	A-4 (0)	A-4 (0)	A-4 (2)
UNIFIED SOIL			
% MOISTURE CONTENT	17.2	20.1	18.4
ACHMSC (IN)	8.0W	6.5W	--
CHIP SEAL (IN)	.50	--	--
ACHMBC (IN)	2.0	--	--
AGG.BASE CRS CL-7 (IN)	8.0	3.0	--

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 15
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151485	-	20151486	-	20151487
SAMPLE ID	-	S103	-	S104	-	S105
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	216+00	-	216+00	-	216+00
LOCATION	-	05RT	-	13RT	-	20RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 11 55.90	-	35 11 55.90	-	35 11 55.90
LONGITUDE DEG-MIN-SEC	-	92 41 57.60	-	92 41 57.50	-	92 41 57.50
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-	100	-	100
	NO. 4	-	100	99	-	99
	NO. 10	-	99	98	-	98
	NO. 40	-	99	96	-	97
	NO. 80	-	95	92	-	94
	NO. 200	-	88	84	-	88
LIQUID LIMIT	-	24	-	27	-	27
PLASTICITY INDEX	-	08	-	14	-	11
AASHTO SOIL	-	A-4 (5)	-	A-6 (9)	-	A-6 (8)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	21.9	-	17.3	-	23.7
ACHMSC	(IN)	-	8.5W	-	7.0	-
ACHMBC	(IN)	-	2.25	-	--	-
AGG.BASE CRS CL-7	(IN)	-	5.0	-	--	-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 16
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 05/20/15
LOCATION	- CONWAY, COUNTY	DATE RECEIVED	- 05/21/15
SAMPLED BY	- S.FAULKNER	DATE TESTED	- 06/09/15
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151488	- 20151489	- 20151490
SAMPLE ID	- S106	- S107	- S108
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 224+00	- 224+00	- 224+00
LOCATION	- 05LT	- 13LT	- 22LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 12 3.60	- 35 12 3.60	- 35 12 3.60
LONGITUDE DEG-MIN-SEC	- 92 41 57.50	- 92 41 57.60	- 92 41 57.60
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	-	-
3/8 IN.	- 100	- 100	- 100
NO. 4	- 99	- 99	- 99
NO. 10	- 96	- 95	- 96
NO. 40	- 94	- 91	- 92
NO. 80	- 90	- 86	- 84
NO. 200	- 82	- 77	- 72
LIQUID LIMIT	- 31	- 29	- 29
PLASTICITY INDEX	- 12	- 12	- 11
AASHTO SOIL	- A-6 (9)	- A-6 (7)	- A-6 (6)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 20.3	- 19.9	- 21.3
ACHMSC (IN)	- 8.0	- 7.0	- --
CHIP SEAL (IN)	- 1.0	- --	- --
ACHMBC (IN)	- 2.5	- --	- --
AGG.BASE CRS CL-7 (IN)	- 7.0	- 6.0	- --
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 17
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151491	- 20151492	- 20151493
SAMPLE ID	- S109	- S110	- S111
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 232+00	- 232+00	- 232+00
LOCATION	- 05RT	- 14RT	- 22RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/GR	- BR/GR	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 12 11.30	- 35 12 11.30	- 35 12 11.40
LONGITUDE DEG-MIN-SEC	- 92 41 57.10	- 92 41 57.00	- 92 41 57.00
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. - 100	- 100	-
	NO. 4 - 99	- 98	- 100
	NO. 10 - 97	- 97	- 99
	NO. 40 - 95	- 91	- 94
	NO. 80 - 91	- 87	- 89
	NO. 200 - 88	- 83	- 83
LIQUID LIMIT	- 41	- 41	- 33
PLASTICITY INDEX	- 20	- 21	- 16
AASHTO SOIL	- A-7-6(18)	- A-7-6(17)	- A-6(12)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 11.1	- 11.2	- 15.3
ACHMSC (IN)	- 7.5W	- 6.0W	- --
CHIP SEAL (IN)	- 1.0	- --	- --
ACHMBC (IN)	- 2.5	- --	- --
AGG.BASE CRS CL-7 (IN)	- 5.0	- 3.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 18
 JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
 SUPPLIER NAME - STATE DISTRICT NO. - 08
 NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
 PROJECT ENGINEER - NOT APPLICABLE
 PIT/QUARRY - ARKANSAS
 LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
 SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
 SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151494	-	20151495	-	20151496
SAMPLE ID	-	S112	-	S113	-	S114
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	240+00	-	240+00	-	240+00
LOCATION	-	05LT	-	13LT	-	20LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BR/GR	-	BR/GR	-	BR/GR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 12 19.60	-	35 12 19.60	-	35 12 19.60
LONGITUDE DEG-MIN-SEC	-	92 41 56.90	-	92 41 57.00	-	92 41 57.10
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-	100	-	100
	NO. 4	-		98	-	96
	NO. 10	-		94	-	89
	NO. 40	-		85	-	82
	NO. 80	-		79	-	74
	NO. 200	-		72	-	60
LIQUID LIMIT	-	32	-	35	-	23
PLASTICITY INDEX	-	14	-	15	-	07
AASHTO SOIL	-	A-6(8)	-	A-6(10)	-	A-4(2)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	18.5	-	14.2	-	19.7
ACHMSC	(IN)	-		11.0	-	--
CHIP SEAL	(IN)	-		.125	-	--
ACHMSC	(IN)	-		2.0	-	--
CHIP SEAL	(IN)	-		.125	-	--
ACHMBC	(IN)	-		2.5	-	--
AGG.BASE CRS CL-7	(IN)	-		6.0	-	--
		-			-	
		-			-	
		-			-	

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 19
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151497	20151498	20151499
SAMPLE ID	S115	S116	S117
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	248+00	248+00	248+00
LOCATION	05RT	13RT	21RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BR/GR	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	35 12 27.40	35 12 27.40	35 12 27.40
LONGITUDE DEG-MIN-SEC	92 41 56.50	92 41 56.40	92 41 56.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	-	-
3/8 IN.	100	100	100
NO. 4	98	96	99
NO. 10	96	93	97
NO. 40	94	91	93
NO. 80	91	88	89
NO. 200	86	81	80
LIQUID LIMIT	33	29	32
PLASTICITY INDEX	13	12	13
AASHTO SOIL	A-6(11)	A-6(8)	A-6(9)
UNIFIED SOIL			
% MOISTURE CONTENT	26.0	18.7	19.4
ACHMSC (IN)	7.25	6.0	--
CHIP SEAL (IN)	.125	--	--
ACHMSC (IN)	1.25	--	--
CHIP SEAL (IN)	.125	--	--
AGG.BASE CRS CL-7 (IN)	4.0	3.0	--

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 20
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151500	- 20151501	- 20151502
SAMPLE ID	- S118	- S119	- S120
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 256+00	- 256+00	- 256+00
LOCATION	- 05LT	- 13LT	- 17LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 12 35.30	- 35 12 35.30	- 35 12 35.30
LONGITUDE DEG-MIN-SEC	- 92 41 56.40	- 92 41 56.50	- 92 41 56.50
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 - 100	100	100
	NO. 10 - 98	99	98
	NO. 40 - 95	97	97
	NO. 80 - 92	95	94
	NO. 200 - 85	92	86
		81	68
LIQUID LIMIT	- 30	- 27	- ND
PLASTICITY INDEX	- 12	- 10	- NP
AASHTO SOIL	- A-6 (9)	- A-4 (6)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 18.3	- 21.3	- 24.2
ACHMSC (IN)	- 8.0	- 6.25W	- --
CHIP SEAL (IN)	- 1.0	- --	- --
ACHMBC (IN)	- 2.75	- --	- --
AGG.BASE CRS CL-7 (IN)	- 4.0	- 4.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 21
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151503	- 20151504	- 20151505
SAMPLE ID	- S121	- S122	- S123
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 264+00	- 272+00	- 272+00
LOCATION	- 05RT	- 05LT	- 13LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/GR	- BROWN	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 12 43.30	- 35 12 50.90	- 35 12 50.90
LONGITUDE DEG-MIN-SEC	- 92 41 56.00	- 92 41 57.80	- 92 41 57.90
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. - 100	-	- 100
	NO. 4 - 99	- 100	- 99
	NO. 10 - 97	- 99	- 96
	NO. 40 - 95	- 98	- 94
	NO. 80 - 90	- 94	- 90
	NO. 200 - 82	- 86	- 80
LIQUID LIMIT	- 32	- 28	- 27
PLASTICITY INDEX	- 18	- 09	- 09
AASHTO SOIL	- A-6(13)	- A-4(6)	- A-4(5)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 19.5	- 18.3	- 19.7
ACHMSC	(IN) - 9.25W	- 7.5	- 9.0
CHIP SEAL	(IN) - 1.0	- 1.0	- --
ACHMBC	(IN) - --	- 3.0	- --
AGG.BASE CRS CL-7	(IN) - 4.0	- 6.0	- 2.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL

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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 - 07/06/15 SEQUENCE NO. - 22
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151506	-	20151507	-	20151508
SAMPLE ID	-	S124	-	S125	-	S126
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	272+00	-	280+00	-	280+00
LOCATION	-	18LT	-	05RT	-	12RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BR/GR
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	35 12 50.90	-	35 12 58.60	-	35 12 58.60
LONGITUDE DEG-MIN-SEC	-	92 41 57.90	-	92 41 57.60	-	92 41 57.50
% PASSING	2 IN.	-	-	-	-	-
	1 1/2 IN.	-	-	-	-	-
	3/4 IN.	-	-	100	-	100
	3/8 IN.	100	-	99	-	97
	NO. 4	93	-	95	-	92
	NO. 10	90	-	89	-	87
	NO. 40	84	-	80	-	83
	NO. 80	75	-	74	-	56
	NO. 200	60	-	66	-	26
LIQUID LIMIT	-	23	-	34	-	30
PLASTICITY INDEX	-	07	-	14	-	12
AASHTO SOIL	-	A-4 (2)	-	A-6 (7)	-	A-2-6 (0)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	21.3	-	16.2	-	19.1
ACHMSC	(IN)	--	-	8.5	-	5.25
CHIP SEAL	(IN)	--	-	1.0	-	--
ACHMBC	(IN)	--	-	3.0	-	2.0
AGG.BASE CRS CL-7	(IN)	--	-	5.0	-	4.0
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 23
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151509	-	20151510	-	20151511
SAMPLE ID	-	S127	-	S128	-	S129
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	280+00	-	288+00	-	288+00
LOCATION	-	25RT	-	06LT	-	13LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	GRAY	-	BR/GR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 12 58.60	-	35 13 5.90	-	35 13 6.00
LONGITUDE DEG-MIN-SEC	-	92 41 57.40	-	92 41 53.90	-	92 41 53.90
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-		-	100
	NO. 4	-		100	-	98
	NO. 10	-		99	-	90
	NO. 40	-		93	-	81
	NO. 80	-		90	-	76
	NO. 200	-		88	-	70
LIQUID LIMIT	-	33	-	39	-	31
PLASTICITY INDEX	-	14	-	19	-	14
AASHTO SOIL	-	A-6(10)	-	A-6(17)	-	A-6(8)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	22.1	-	12.3	-	18.1
ACHMSC	(IN)	--	-	7.5	-	6.75W
CHIP SEAL	(IN)	--	-	.125	-	--
ACHMSC	(IN)	--	-	1.0	-	--
CHIP SEAL	(IN)	--	-	.125	-	--
ACHMBC	(IN)	--	-	2.0	-	--
AGG.BASE CRS CL-7	(IN)	--	-	5.0	-	4.0
			-		-	
			-		-	
			-		-	

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 24
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151512	- 20151513	- 20151514
SAMPLE ID	- S130	- S131	- S132
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 288+00	- 296+00	- 296+00
LOCATION	- 21LT	- 05RT	- 13RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- GRAY	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 13 6.00	- 35 13 12.40	- 35 13 12.40
LONGITUDE DEG-MIN-SEC	- 92 41 54.00	- 92 41 48.50	- 92 41 48.40
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	- 100	- 100
	NO. 4 - 100	- 98	- 97
	NO. 10 - 98	- 93	- 90
	NO. 40 - 88	- 87	- 79
	NO. 80 - 84	- 83	- 72
	NO. 200 - 80	- 75	- 59
LIQUID LIMIT	- 38	- 30	- 25
PLASTICITY INDEX	- 19	- 11	- 09
AASHTO SOIL	- A-6(14)	- A-6(7)	- A-4(3)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 14.5	- 19.1	- 15.7
ACHMSC	(IN) - --	- 8.5W	- 6.0
CHIP SEAL	(IN) - --	- 1.5	- --
ACHMBC	(IN) - --	- 2.5	- --
AGG.BASE CRS CL-7	(IN) - --	- 4.0	- 2.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL

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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	- 07/06/15	SEQUENCE NO.	- 25
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151515	- 20151516	- 20151517
SAMPLE ID	- S133	- S134	- S135
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 296+00	- 304+00	- 304+00
LOCATION	- 22RT	- 05LT	- 13LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 13 12.30	- 35 13 17.50	- 35 13 17.60
LONGITUDE DEG-MIN-SEC	- 92 41 48.40	- 92 41 41.30	- 92 41 41.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	-	-
3/8 IN.	- 99	- 100	- 100
NO. 4	- 99	- 99	- 97
NO. 10	- 95	- 93	- 91
NO. 40	- 82	- 91	- 86
NO. 80	- 74	- 89	- 82
NO. 200	- 64	- 82	- 73
LIQUID LIMIT	- 34	- 32	- 30
PLASTICITY INDEX	- 14	- 13	- 12
AASHTO SOIL	- A-6 (7)	- A-6 (10)	- A-6 (7)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 19.5	- 17.9	- 18.1
ACHMSC (IN)	- --	- 8.5W	- 7.0W
CHIP SEAL (IN)	- --	- .75	- --
ACHMBC (IN)	- --	- 2.50	- --
AGG.BASE CRS CL-7 (IN)	- --	- 7.0	- 4.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 26
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	-	20151518	-	20151519	-	20151520
SAMPLE ID	-	S136	-	S137	-	S138
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	304+00	-	312+00	-	312+00
LOCATION	-	19LT	-	05RT	-	13RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BR/GR	-	BR/GR
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	35 13 17.60	-	35 13 24.60	-	35 13 24.60
LONGITUDE DEG-MIN-SEC	-	92 41 41.40	-	92 41 36.80	-	92 41 36.70
% PASSING	2	IN.	-	-	-	-
	1 1/2	IN.	-	-	-	-
	3/4	IN.	-	100	-	100
	3/8	IN.	-	99	-	99
	NO. 4	-	-	94	-	83
	NO. 10	-	-	84	-	66
	NO. 40	-	-	73	-	56
	NO. 80	-	-	68	-	53
	NO. 200	-	-	54	-	41
LIQUID LIMIT	-	29	-	25	-	27
PLASTICITY INDEX	-	10	-	09	-	09
AASHTO SOIL	-	A-4 (3)	-	A-4 (2)	-	A-4 (1)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	20.5	-	13.0	-	11.3
ACHMSC	(IN)	--	-	6.75W	-	6.5
CHIP SEAL	(IN)	--	-	1.0	-	--
ACHMBC	(IN)	--	-	3.0	-	--
AGG.BASE CRS CL-7	(IN)	--	-	5.0	-	5.0
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 27
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151521	-	20151522	-	20151523
SAMPLE ID	-	S139	-	S140	-	S141
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	312+00	-	321+00	-	321+00
LOCATION	-	18RT	-	05LT	-	13LT
DEPTH IN FEET	-	0-4Z	-	0-5	-	0-5
MAT'L COLOR	-	BR/GR	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 13 24.60	-	35 13 31.80	-	35 13 31.90
LONGITUDE DEG-MIN-SEC	-	92 41 36.70	-	92 41 31.80	-	92 41 31.80
% PASSING						
2 IN.	-		-		-	
1 1/2 IN.	-		-		-	
3/4 IN.	-		-		-	100
3/8 IN.	-	100	-	100	-	98
NO. 4	-	96	-	98	-	96
NO. 10	-	88	-	93	-	93
NO. 40	-	80	-	87	-	91
NO. 80	-	73	-	81	-	88
NO. 200	-	57	-	69	-	81
LIQUID LIMIT	-	24	-	22	-	23
PLASTICITY INDEX	-	06	-	05	-	05
AASHTO SOIL	-	A-4 (1)	-	A-4 (1)	-	A-4 (2)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	21.5	-	17.1	-	19.3
ACHMSC (IN)	-	--	-	9.5W	-	9.25W
CHIP SEAL (IN)	-	--	-	1.0	-	--
ACHMBC (IN)	-	--	-	.25	-	--
AGG.BASE CRS CL-7 (IN)	-	--	-	7.0	-	7.0
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 28
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151524	-	20151525	-	20151526
SAMPLE ID	-	S142	-	S143	-	S144
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	321+00	-	328+00	-	328+00
LOCATION	-	25LT	-	05RT	-	13RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BR/GR	-	BROWN
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	35 13 31.90	-	35 13 34.60	-	35 13 34.50
LONGITUDE DEG-MIN-SEC	-	92 41 31.90	-	92 41 24.10	-	92 41 24.10
% PASSING	2	IN.	-	-	-	-
	1 1/2	IN.	-	-	-	-
	3/4	IN.	-	-	-	-
	3/8	IN.	-	-	-	100
	NO. 4	-	99	100	-	99
	NO. 10	-	98	98	-	93
	NO. 40	-	95	95	-	86
	NO. 80	-	92	89	-	80
	NO. 200	-	83	74	-	67
LIQUID LIMIT	-	23	-	22	-	23
PLASTICITY INDEX	-	05	-	06	-	06
AASHTO SOIL	-	A-4 (2)	-	A-4 (2)	-	A-4 (2)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	21.5	-	13.8	-	15.4
ACHMSC	(IN)	-	-	7.25W	-	8.75W
CHIP SEAL	(IN)	-	-	1.0	-	-
ACHMBC	(IN)	-	-	3.0	-	-
AGG.BASE CRS CL-7	(IN)	-	-	7.0	-	4.0
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 29
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151527	- 20151528	- 20151529
SAMPLE ID	- S145	- S146	- S147
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 328+00	- 336+00	- 336+00
LOCATION	- 20RT	- 06LT	- 13LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BR/GR	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 13 34.50	- 35 13 38.00	- 35 13 38.00
LONGITUDE DEG-MIN-SEC	- 92 41 24.00	- 92 41 15.50	- 92 41 15.50
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. - 100	-	- 100
	NO. 4 - 97	- 100	- 97
	NO. 10 - 94	- 98	- 93
	NO. 40 - 88	- 96	- 90
	NO. 80 - 81	- 92	- 86
	NO. 200 - 64	- 79	- 75
LIQUID LIMIT	- ND	- ND	- ND
PLASTICITY INDEX	- NP	- NP	- NP
AASHTO SOIL	- A-4 (0)	- A-4 (0)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 20.1	- 17.1	- 21.1
ACHMSC	(IN) - --	- 7.0	- 7.75W
CHIP SEAL	(IN) - --	- .125	- --
ACHMSC	(IN) - --	- 1.0	- --
CHIP SEAL	(IN) - --	- .125	- --
ACHMBC	(IN) - --	- 2.5	- --
AGG.BASE CRS CL-7	(IN) - --	- 3.0	- 6.0
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 30
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 05/20/15
LOCATION	- CONWAY, COUNTY	DATE RECEIVED	- 05/21/15
SAMPLED BY	- S.FAULKNER	DATE TESTED	- 06/09/15
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151530	- 20151531	- 20151532
SAMPLE ID	- S148	- S149	- S150
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 336+00	- 345+00	- 345+00
LOCATION	- 25LT	- 06RT	- 13RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- GRAY	- GRAY
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 13 38.10	- 35 13 43.40	- 35 13 43.40
LONGITUDE DEG-MIN-SEC	- 92 41 15.60	- 92 41 6.30	- 92 41 6.20
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	-	-
3/8 IN.	- 100	- 100	- 100
NO. 4	- 98	- 99	- 95
NO. 10	- 91	- 96	- 89
NO. 40	- 83	- 92	- 84
NO. 80	- 77	- 88	- 76
NO. 200	- 65	- 76	- 63
LIQUID LIMIT	- 24	- 24	- 23
PLASTICITY INDEX	- 03	- 07	- 08
AASHTO SOIL	- A-4 (0)	- A-4 (3)	- A-4 (2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 22.0	- 16.8	- 16.6
ACHMSC (IN)	- --	- 7.75	- 8.5W
CHIP SEAL (IN)	- --	- .75	- --
ACHMBC (IN)	- --	- 2.0	- --
AGG.BASE CRS CL-7 (IN)	- --	- 5.0	- 2.0
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 31
 JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
 SUPPLIER NAME - STATE DISTRICT NO. - 08
 NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
 PROJECT ENGINEER - NOT APPLICABLE
 PIT/QUARRY - ARKANSAS
 LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
 SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
 SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151533	-	20151534	-	20151535
SAMPLE ID	-	S151	-	S152	-	S153
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	345+00	-	352+00	-	352+00
LOCATION	-	26RT	-	05LT	-	12LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 13 43.30	-	35 13 50.10	-	35 13 50.10
LONGITUDE DEG-MIN-SEC	-	92 41 6.10	-	92 41 5.00	-	92 41 5.10
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	99	-	99
	NO. 4	-	96	-	95	
	NO. 10	-	90	-	87	
	NO. 40	-	81	-	77	
	NO. 80	-	74	-	72	
	NO. 200	-	63	-	61	
LIQUID LIMIT	-	27	-	32	-	22
PLASTICITY INDEX	-	09	-	12	-	04
AASHTO SOIL	-	A-4(3)	-	A-6(8)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	17.9	-	24.2	-	19.9
ACHMSC	(IN)	--	-	7.0	-	7.0W
CHIP SEAL	(IN)	--	-	.50	-	--
ACHMSC	(IN)	--	-	1.0	-	--
CHIP SEAL	(IN)	--	-	.50	-	--
ACHMBC	(IN)	--	-	3.0	-	--
AGG.BASE CRS CL-7	(IN)	--	-	5.0	-	3.0
			-		-	
			-		-	

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 32
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151536	-	20151537	-	20151538
SAMPLE ID	-	S154	-	S155	-	S156
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	352+00	-	360+00	-	360+00
LOCATION	-	20LT	-	05RT	-	12RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	35 13 50.10	-	35 13 58.10	-	35 13 58.10
LONGITUDE DEG-MIN-SEC	-	92 41 5.20	-	92 41 5.10	-	92 41 5.00
% PASSING	2	IN.	-	-	-	-
	1 1/2	IN.	-	-	-	-
	3/4	IN.	-	-	-	100
	3/8	IN.	-	100	-	99
	NO. 4	-	91	98	-	97
	NO. 10	-	85	94	-	92
	NO. 40	-	78	87	-	84
	NO. 80	-	76	84	-	79
	NO. 200	-	68	80	-	70
LIQUID LIMIT	-	26	-	37	-	25
PLASTICITY INDEX	-	08	-	19	-	08
AASHTO SOIL	-	A-4 (3)	-	A-6 (14)	-	A-4 (3)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	24.1	-	17.1	-	20.8
ACHMSC	(IN)	--	-	9.25W	-	8.0W
CHIP SEAL	(IN)	--	-	.50	-	--
ACHMBC	(IN)	--	-	3.0	-	--
AGG.BASE CRS CL-7	(IN)	--	-	5.0	-	5.0
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 33
 JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
 SUPPLIER NAME - STATE DISTRICT NO. - 08
 NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
 PROJECT ENGINEER - NOT APPLICABLE
 PIT/QUARRY - ARKANSAS
 LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
 SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
 SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151539	-	20151540	-	20151541
SAMPLE ID	-	S157	-	S158	-	S159
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	360+00	-	368+00	-	368+00
LOCATION	-	19RT	-	05LT	-	13LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 13 58.10	-	35 14 5.60	-	35 14 5.60
LONGITUDE DEG-MIN-SEC	-	92 41 4.90	-	92 41 5.00	-	92 41 5.10
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	
	3/8	IN.	-	99	-	100
	NO. 4		-	98	-	97
	NO. 10		-	95	-	90
	NO. 40		-	91	-	88
	NO. 80		-	89	-	83
	NO. 200		-	86	-	81
			-		-	79
LIQUID LIMIT	-	31	-	34	-	34
PLASTICITY INDEX	-	11	-	13	-	14
AASHTO SOIL	-	A-6(9)	-	A-6(9)	-	A-6(9)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	26.4	-	19.3	-	19.9
ACHMSC	(IN)	--	-	7.0W	-	7.0W
CHIP SEAL	(IN)	--	-	.75	-	--
ACHMBC	(IN)	--	-	2.5	-	--
AGG.BASE CRS CL-7	(IN)	--	-	5.0	-	5.0
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 34
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151542	20151543	20151544
SAMPLE ID	S160	S161	S162
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	368+00	376+00	376+00
LOCATION	19LT	05RT	13RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	35 14 5.60	35 14 13.50	35 14 13.50
LONGITUDE DEG-MIN-SEC	92 41 5.10	92 41 4.30	92 41 4.20
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.			100
3/8 IN.	100	100	99
NO. 4	98	96	98
NO. 10	92	90	96
NO. 40	84	81	93
NO. 80	81	73	89
NO. 200	77	63	84
LIQUID LIMIT	29	ND	27
PLASTICITY INDEX	10	NP	10
AASHTO SOIL	A-4 (6)	A-4 (0)	A-4 (7)
UNIFIED SOIL			
% MOISTURE CONTENT	18.8	18.0	20.1
ACHMSC (IN)	--	9.75	6.25
CHIP SEAL (IN)	--	.125	--
ACHMSC (IN)	--	1.0	--
CHIP SEAL (IN)	--	1.5	--
ACHMBC (IN)	--	1.25	--
AGG.BASE CRS CL-7 (IN)	--	4.0	4.0

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 35
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151545	- 20151546	- 20151547
SAMPLE ID	- S163	- S164	- S165
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 376+00	- 384+00	- 384+00
LOCATION	- 23RT	- 06LT	- 13LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 14 13.50	- 35 14 20.80	- 35 14 20.90
LONGITUDE DEG-MIN-SEC	- 92 41 4.10	- 92 41 1.00	- 92 41 1.00
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	100	-
	3/8 IN. -	99	-
	NO. 4 - 100	97	100
	NO. 10 - 99	93	97
	NO. 40 - 96	85	91
	NO. 80 - 95	82	88
	NO. 200 - 92	78	80
LIQUID LIMIT	- 27	- 28	- 29
PLASTICITY INDEX	- 08	- 09	- 12
AASHTO SOIL	- A-4 (6)	- A-4 (5)	- A-6 (8)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 27.8	- 17.1	- 19.7
ACHMSC (IN)	- --	- 8.75W	- 7.0W
CHIP SEAL (IN)	- --	- 1.0	- --
ACHMBC (IN)	- --	- 3.0	- --
AGG.BASE CRS CL-7 (IN)	- --	- 5.0	- 5.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 36
 JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
 SUPPLIER NAME - STATE DISTRICT NO. - 08
 NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
 PROJECT ENGINEER - NOT APPLICABLE
 PIT/QUARRY - ARKANSAS
 LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
 SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
 SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151548	20151549	20151550
SAMPLE ID	S166	S167	S168
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	384+00	392+00	392+00
LOCATION	22LT	05RT	13RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	35 14 20.90	35 14 27.80	35 14 27.80
LONGITUDE DEG-MIN-SEC	92 41 1.10	92 40 56.40	92 40 56.30
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.	100	100	100
NO. 4	98	99	94
NO. 10	93	94	86
NO. 40	87	88	75
NO. 80	85	84	68
NO. 200	82	78	57
LIQUID LIMIT	27	30	25
PLASTICITY INDEX	09	12	10
AASHTO SOIL	A-4 (6)	A-6 (8)	A-4 (3)
UNIFIED SOIL			
% MOISTURE CONTENT	26.3	17.8	14.2
ACHMSC (IN)	--	8.25W	8.25W
CHIP SEAL (IN)	--	.125	--
ACHMSC (IN)	--	1.50	--
CHIP SEAL (IN)	--	.125	--
ACHMBC (IN)	--	2.0	--
AGG.BASE CRS CL-7 (IN)	--	4.0	3.0

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 37
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151551	-	20151552	-	20151553
SAMPLE ID	-	S169	-	S170	-	S171
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	392+00	-	400+00	-	400+00
LOCATION	-	22RT	-	05LT	-	13LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 14 27.80	-	35 14 34.90	-	35 14 34.90
LONGITUDE DEG-MIN-SEC	-	92 40 56.30	-	92 40 52.10	-	92 40 52.20
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	
	3/8	IN.	-	99	-	100
	NO. 4		-	97	-	99
	NO. 10		-	93	-	95
	NO. 40		-	87	-	91
	NO. 80		-	84	-	86
	NO. 200		-	76	-	77
LIQUID LIMIT	-	33	-	26	-	ND
PLASTICITY INDEX	-	13	-	08	-	NP
AASHTO SOIL	-	A-6(8)	-	A-4(4)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	21.6	-	23.6	-	20.7
ACHMSC	(IN)	--	-	6.5	-	8.5W
CHIP SEAL	(IN)	--	-	1.0	-	--
ACHMBC	(IN)	--	-	2.0	-	--
AGG.BASE CRS CL-7	(IN)	--	-	7.0	-	5.0
			-		-	
			-		-	
			-		-	
			-		-	

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 38
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151554	20151555	20151556
SAMPLE ID	S172	S173	S174
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	400+00	408+00	408+00
LOCATION	22LT	06RT	14RT
DEPTH IN FEET	0-5	0-2Z	0-2Z
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	35 14 34.90	35 14 42.30	35 14 42.20
LONGITUDE DEG-MIN-SEC	92 40 52.30	92 40 47.50	92 40 47.40
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.	100		100
3/8 IN.	99	100	96
NO. 4	98	98	88
NO. 10	96	91	80
NO. 40	94	82	70
NO. 80	91	78	61
NO. 200	82	68	50
LIQUID LIMIT	ND	30	19
PLASTICITY INDEX	NP	12	05
AASHTO SOIL	A-4(0)	A-6(6)	A-4(0)
UNIFIED SOIL			
% MOISTURE CONTENT	21.8	11.4	7.0
ACHMSC (IN)	--	9.0W	4.75W
ACHMBC (IN)	--	3.0	--
AGG.BASE CRS CL-7 (IN)	--	4.0	3.0

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 39
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20151557	-	20151558	-	20151559
SAMPLE ID	-	S175	-	S176	-	S177
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	416+00	-	416+00	-	416+00
LOCATION	-	05LT	-	13LT	-	20LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 14 49.40	-	35 14 49.50	-	35 14 49.50
LONGITUDE DEG-MIN-SEC	-	92 40 44.40	-	92 40 44.50	-	92 40 44.60
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	100
	3/8	IN.	-	100	-	96
	NO. 4	-	98	-	99	92
	NO. 10	-	93	-	95	81
	NO. 40	-	87	-	86	66
	NO. 80	-	82	-	80	59
	NO. 200	-	73	-	69	46
LIQUID LIMIT	-	21	-	22	-	25
PLASTICITY INDEX	-	07	-	07	-	08
AASHTO SOIL	-	A-4 (2)	-	A-4 (2)	-	A-4 (1)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	22.2	-	19.2	-	16.0
ACHMSC	(IN)	-	16.0W	-	4.5	-
CHIP SEAL	(IN)	-	1.0	-	--	-
ACHMBC	(IN)	-	2.0	-	--	-
AGG.BASE CRS CL-7	(IN)	-	5.0	-	6.0	-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 40
 JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
 SUPPLIER NAME - STATE DISTRICT NO. - 08
 NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
 PROJECT ENGINEER - NOT APPLICABLE
 PIT/QUARRY - ARKANSAS
 LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
 SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
 SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151560	20151561	20151562
SAMPLE ID	S178	S179	S180
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	424+00	424+00	424+00
LOCATION	05RT	13RT	18RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	35 14 57.00	35 14 57.00	35 14 57.00
LONGITUDE DEG-MIN-SEC	92 40 41.00	92 40 40.90	92 40 40.90
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	100	-
3/8 IN.	100	98	100
NO. 4	97	93	97
NO. 10	93	89	91
NO. 40	88	84	81
NO. 80	86	81	77
NO. 200	81	75	70
LIQUID LIMIT	32	30	33
PLASTICITY INDEX	15	14	15
AASHTO SOIL	A-6(11)	A-6(8)	A-6(9)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	22.3	18.5	25.0
ACHMSC (IN)	7.5W	6.5W	--
CHIP SEAL (IN)	1.0	--	--
ACHMBC (IN)	2.0	--	--
AGG.BASE CRS CL-7 (IN)	7.0	3.0	--
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 41
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY		
SAMPLED BY	- S.FAULKNER	DATE SAMPLED	- 05/20/15
SAMPLE FROM	- TEST HOLE	DATE RECEIVED	- 05/21/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		
		DATE TESTED	- 06/09/15

LAB NUMBER	-	20151563	-	20151564	-	20151565
SAMPLE ID	-	S181	-	S182	-	S183
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	432+00	-	432+00	-	432+00
LOCATION	-	05LT	-	13LT	-	20LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-4Z
MAT'L COLOR	-	BROWN	-	BR/GR	-	BR/GR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 15 4.20	-	35 15 4.20	-	35 15 4.20
LONGITUDE DEG-MIN-SEC	-	92 40 38.00	-	92 40 38.10	-	92 40 38.20
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-	100	-	100
	NO. 4		-	99	-	97
	NO. 10		-	95	-	93
	NO. 40		-	84	-	83
	NO. 80		-	78	-	78
	NO. 200		-	68	-	71
LIQUID LIMIT	-	34	-	25	-	30
PLASTICITY INDEX	-	17	-	10	-	12
AASHTO SOIL	-	A-6(11)	-	A-4(4)	-	A-6(7)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	18.0	-	18.0	-	20.5
ACHMSC	(IN)	9.5	-	5.0	-	--
CHIP SEAL	(IN)	.50	-	--	-	--
ACHMBC	(IN)	2.0	-	--	-	--
AGG. BASE CRS CL-7	(IN)	6.0	-	4.0	-	--
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 42
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151566	20151567	20151568
SAMPLE ID	S184	S185	S186
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	440+00	440+00	440+00
LOCATION	05RT	13RT	20RT
DEPTH IN FEET	0-5Z	0-4Z	0-3Z
MAT'L COLOR	GRAY	GRAY	GRAY
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	35 15 11.90	35 15 11.90	35 15 11.90
LONGITUDE DEG-MIN-SEC	92 40 34.60	92 40 34.50	92 40 34.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	-	100
3/8 IN.	99	100	99
NO. 4	98	99	95
NO. 10	96	96	92
NO. 40	91	89	85
NO. 80	88	83	80
NO. 200	85	77	76
LIQUID LIMIT	39	36	38
PLASTICITY INDEX	18	16	17
AASHTO SOIL	A-6(15)	A-6(11)	A-6(12)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	7.3	10.2	14.3
ACHMSC (IN)	7.75W	6.0W	--
CHIP SEAL (IN)	1.75	--	--
ACHMBC (IN)	3.0	--	--
AGG.BASE CRS CL-7 (IN)	5.0	6.0	--
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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 - 07/06/15 SEQUENCE NO. - 43
JOB NUMBER - 080494 MATERIAL CODE - SSRVPS
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 15
SUPPLIER NAME - STATE DISTRICT NO. - 08
NAME OF PROJECT - I-10 TO SOLGOACHIA (SAFETY IMPVTS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CONWAY, COUNTY DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE DATE TESTED - 06/09/15
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20151569	20151570	20151571
SAMPLE ID	S187	S188	S189
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	448+00	448+00	448+00
LOCATION	05LT	13LT	22LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BR/GR	BROWN	BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	35 15 19.70	35 15 19.70	35 15 19.70
LONGITUDE DEG-MIN-SEC	92 40 34.40	92 40 34.50	92 40 34.60
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	100	100
3/8 IN.	99	99	99
NO. 4	98	98	96
NO. 10	94	97	90
NO. 40	80	94	74
NO. 80	74	92	66
NO. 200	66	83	57
LIQUID LIMIT	32	24	26
PLASTICITY INDEX	14	08	07
AASHTO SOIL	A-6 (7)	A-4 (4)	A-4 (2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	11.4	15.1	22.0
ACHMSC (IN)	9.25	6.5W	--
CHIP SEAL (IN)	.75	--	--
ACHMBC (IN)	3.0	--	--
AGG.BASE CRS CL-7 (IN)	7.0	5.0	--
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 44
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	-	20151572	-	20151573	-	20151574	
SAMPLE ID	-	S190	-	S191	-	S192	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY	
STATION	-	456+00	-	456+00	-	456+00	
LOCATION	-	05RT	-	13RT	-	18RT	
DEPTH IN FEET	-	0-5	-	0-5	-	0-5	
MAT'L COLOR	-	GRAY	-	BR/GR	-	BR/GR	
MAT'L TYPE	-		-		-		
LATITUDE DEG-MIN-SEC	-	35 15 27.60	-	35 15 27.60	-	35 15 27.60	
LONGITUDE DEG-MIN-SEC	-	92 40 33.40	-	92 40 33.30	-	92 40 33.30	
% PASSING	2	IN.	-		-		
	1 1/2	IN.	-		-		
	3/4	IN.	-		-	100	
	3/8	IN.	-	100	-	97	
	NO. 4		-	99	-	94	
	NO. 10		-	96	-	89	
	NO. 40		-	90	-	82	
	NO. 80		-	85	-	77	
	NO. 200		-	81	-	73	
LIQUID LIMIT	-	25	-	24	-	41	
PLASTICITY INDEX	-	08	-	09	-	20	
AASHTO SOIL	-	A-4 (3)	-	A-4 (5)	-	A-7-6 (14)	
UNIFIED SOIL	-		-		-		
% MOISTURE CONTENT	-	12.8	-	17.8	-	20.1	
ACHMSC	(IN)	-	9.5W	-	6.25W	-	--
CHIP SEAL	(IN)	-	1.0	-	--	-	--
ACHMBC	(IN)	-	1.5	-	--	-	--
AGG.BASE CRS CL-7	(IN)	-	4.0	-	3.0	-	--
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 45
JOB NUMBER	- 080494	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CONWAY, COUNTY	DATE SAMPLED	- 05/20/15
SAMPLED BY	- S.FAULKNER	DATE RECEIVED	- 05/21/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 06/09/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20151575	- 20151576	-
SAMPLE ID	- S193	- S194	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	-
STATION	- 465+00	- 465+00	-
LOCATION	- 05LT	- 13LT	-
DEPTH IN FEET	- 0-5	- 0-5	-
MAT'L COLOR	- BR/GR	- BROWN	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 15 35.40	- 35 15 35.50	-
LONGITUDE DEG-MIN-SEC	- 92 40 29.90	- 92 40 29.90	-
% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	- 100	-
	3/8 IN.	- 98	-
	NO. 4	- 97	-
	NO. 10	- 92	-
	NO. 40	- 85	-
	NO. 80	- 80	-
	NO. 200	- 74	-
LIQUID LIMIT	- 30	- 28	-
PLASTICITY INDEX	- 14	- 09	-
AASHTO SOIL	- A-6(8)	- A-4(2)	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 13.9	- 21.4	-
ACHMSC	(IN) - 4.25	- 9.0	-
CHIP SEAL	(IN) - 1.0	- --	-
ACHMBC	(IN) - 2.0	- --	-
AGG.BASE CRS CL-7	(IN) - 6.0	- 4.0	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL

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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 - 07/06/15	SEQUENCE NO. - 1
JOB NUMBER - 080494	MATERIAL CODE - RV
FEDERAL AID NO. - TO BE ASSIGNED	SPEC. YEAR - 2014
PURPOSE - SOIL SURVEY SAMPLE	SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK	COUNTY/STATE - 15
SUPPLIER NAME - STATE	DISTRICT NO. - 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)	
PROJECT ENGINEER - NOT APPLICABLE	
PIT/QUARRY - ARKANSAS	
LOCATION - CONWAY, COUNTY	DATE SAMPLED - 05/20/15
SAMPLED BY - S.FAULKNER	DATE RECEIVED - 05/21/15
SAMPLE FROM - TEST HOLE	DATE TESTED - 06/16/15
MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS	

LAB NUMBER	- 20151577	- 20151578	- 20151579
SAMPLE ID	- RV195	- RV196	- RV197
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 120+00	- 160+00	- 240+00
LOCATION	- 23RT	- 22LT	- 20LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 10 51.50	- 35 11 21.80	- 35 12 19.60
LONGITUDE DEG-MIN-SEC	- 92 43 2.70	- 92 42 37.70	- 92 41 57.10
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	- 100
3/4 IN.	- 100	- 100	- 95
3/8 IN.	- 99	- 96	- 88
NO. 4	- 94	- 93	- 81
NO. 10	- 89	- 84	- 73
NO. 40	- 86	- 74	- 64
NO. 80	- 83	- 64	- 57
NO. 200	- 81	- 57	- 47
LIQUID LIMIT	- 66	- 32	- 23
PLASTICITY INDEX	- 31	- 12	- 08
AASHTO SOIL	- A-7-5 (29)	- A-6 (4)	- A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 2
JOB NUMBER	- 080494	MATERIAL CODE	- RV
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT	- I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 05/20/15
LOCATION	- CONWAY, COUNTY	DATE RECEIVED	- 05/21/15
SAMPLED BY	- S.FAULKNER	DATE TESTED	- 06/16/15
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC.	- SOIL SURVEY - RESISTANCE R-VALUE	ACTUAL RESULTS	

LAB NUMBER	- 20151580	- 20151581	- 20151582
SAMPLE ID	- RV198	- RV199	- RV200
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 280+00	- 345+00	- 392+00
LOCATION	- 25RT	- 26RT	- 22RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 12 58.60	- 35 13 43.30	- 35 14 27.80
LONGITUDE DEG-MIN-SEC	- 92 41 57.40	- 92 41 6.10	- 92 40 56.30
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	- 100	- 100
3/4 IN.	-	- 81	- 91
3/8 IN.	- 100	- 70	- 81
NO. 4	- 97	- 61	- 76
NO. 10	- 95	- 54	- 69
NO. 40	- 91	- 49	- 62
NO. 80	- 86	- 45	- 59
NO. 200	- 79	- 39	- 54
LIQUID LIMIT	- 34	- 24	- 32
PLASTICITY INDEX	- 15	- 08	- 13
AASHTO SOIL	- A-6(11)	- A-4(0)	- A-6(4)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, 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	- 07/06/15	SEQUENCE NO.	- 3
JOB NUMBER	- 080494	MATERIAL CODE	- RV
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 15
SUPPLIER NAME	- STATE	DISTRICT NO.	- 08
NAME OF PROJECT - I-40 TO SOLGOACHIA (SAFETY IMPVTS.) (S)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 05/20/15
LOCATION	- CONWAY, COUNTY	DATE RECEIVED	- 05/21/15
SAMPLED BY	- S.FAULKNER	DATE TESTED	- 06/16/15
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS			

LAB NUMBER	-	20151583	-	-
SAMPLE ID	-	RV201	-	-
TEST STATUS	-	INFORMATION ONLY	-	-
STATION	-	448+00	-	-
LOCATION	-	22LT	-	-
DEPTH IN FEET	-	0-5	-	-
MAT'L COLOR	-	BROWN	-	-
MAT'L TYPE	-		-	-
LATITUDE DEG-MIN-SEC	-	35 15 19.70	-	-
LONGITUDE DEG-MIN-SEC	-	92 40 34.60	-	-
% PASSING	2	IN.	-	-
	1 1/2	IN.	-	-
	3/4	IN.	-	100
	3/8	IN.	-	92
	NO. 4		-	84
	NO. 10		-	72
	NO. 40		-	58
	NO. 80		-	52
	NO. 200		-	46
LIQUID LIMIT	-	26	-	-
PLASTICITY INDEX	-	07	-	-
AASHTO SOIL	-	A-4 (1)	-	-
UNIFIED SOIL	-		-	-
% MOISTURE CONTENT	-		-	-
	-		-	-
	-		-	-
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REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL

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AASHTO TESTS : T24 T88 T89 T90 T265

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