

ARKANSAS DEPARTMENT OF TRANSPORTATION



**SUBSURFACE INVESTIGATION**

STATE JOB NO. 061561

FEDERAL AID PROJECT NO. HSIP-0062(46)

HWY. 5 – PERRY CO. LINE (SAFETY IMPVTS.) (SEL. SECS.) (S)

STATE HIGHWAY 9 SECTION 5

IN SALINE 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 DEPARTMENT OF TRANSPORTATION

AR DOT.gov | IDriveArkansas.com | Scott E. Bennett, P.E., Director

MATERIALS DIVISION

11301 West Baseline Road | P.O. Box 2261 | Little Rock, AR 72203-2261 | Phone: 501.569.2185 | Fax: 501.569.2368

February 1, 2018

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

**SUBJECT:** Job No. 061561  
 Hwy. 5 – Perry Co. Line (Safety Impvts.)(Sel. Secs.)(S)  
 Route 9 Section 5  
 Saline 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 17.2 miles of Highway 9. Samples were taken in the existing travel lanes and ditch line. There were no paved shoulders within the project limits.

Based on laboratory results of samples obtained, the subgrade soils consist primarily of moderately plastic sandy clay with varying amounts of shale. The subgrade soils are expected to provide a stable working platform with normal drying and compactive effort if the weather is favorable during construction. Rock was encountered at several locations within the project limits; table 1 below displays the location and depth. If embankment is placed within the existing ditch line all soft and unstable organic material should be undercut prior to embankment construction, anticipated to be no more than two feet.

Table 1 Location of Rock

Log mile	Location from Centerline	Depth (ft.)
.05	16' Rt	3.0
.30	16' Lt	3.5
.80	5' Lt	2.5
1.3	16' Lt	2.0
1.75	16' Lt	2.5
4.2	5', 16' Rt	3.5, 3.0
4.45	5', 16' Lt	3.0, 3.0
4.8	5' Rt	3.0
5.55	16' Lt	2.0
6.3	5' Rt	3.5
6.55	5' Lt	4.5
6.8	16' Rt	4.0
9.05	16' Lt	3.0
11.3	5' Rt	3.5
12.25	5' Rt	4.0
12.9	5', 16' Rt	2.5, 1.5
13.15	5', 16' Rt	2.0, 3.0
13.9	5', 16' Rt	4.5, 4.0
15.15	5', 16' Lt	3.0, 3.0
15.9	16' Rt	3.5
16.15	5', 16' Lt	3.0, 1.0
16.65	5', 16' Lt	3.0, 2.0
16.9	5', 16' Rt	4.0, 2.5
17.15	5', 16' Lt	3.0, 3.0

Additional earthwork recommendations will be made upon request after 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 Bryant.

2. Asphalt Concrete Hot Mix

<u>Type</u>	<u>Asphalt Cement %</u>	<u>Mineral Aggregate %</u>
Surface Course	4.9	95.1
Binder Course	4.0	96.0
Base Course	3.6	96.4



Michael C. Benson  
Materials Engineer

MCB:pt:bjj  
Attachment

cc: State Constr. Eng. – Master File Copy  
District 6 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 - 01/31/2018  
 JOB NUMBER - 061561

SEQUENCE NO. - 1  
 MATERIAL CODE - SSRV  
 SPEC. YEAR - 2014  
 SUPPLIER ID. - 1  
 COUNTY/STATE - 62  
 DISTRICT NO. - 06

JOB NAME - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)

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

BEGIN JOB - END JOB	13
RESILIENT MODULUS	
STATION - 1.5	9462
STATION - 2.75	6671
STATION - 5.8	9897
STATION - 7.05	7272
STATION - 9.8	7302
STATION - 11.05	6421

REMARKS -

AASHTO TESTS : T190

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

DATE - 02/01/2018  
JOB NUMBER - 061561

SEQUENCE NO. - 2  
MATERIAL CODE - SSRV  
SPEC. YEAR - 2014  
SUPPLIER ID. - 1  
COUNTY/STATE - 62  
DISTRICT NO. - 06

JOB NAME - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)

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

RESILIENT MODULUS	
STATION - 12.25	14734
STATION - 14.4	8942
STATION - 15.65	10956

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REMARKS -

AASHTO TESTS : T190

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

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	1.5
<b>Date Tested:</b>	January 25, 2018	<b>Location:</b>	16RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173849	<b>AASHTO Class:</b>	A-4 (2)
<b>Sample ID:</b>	RV930	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.94
Middle	3.94
Bottom	3.94
Average	3.94
Membrane Thickness (in):	0.01
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):	12.12
Initial Volume, AoLo (cu. in):	97.19

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3140.30
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**4. Soil Properties:**

Optimum Moisture Content (%):	14.4
Maximum Dry Density (pcf):	112.1
95% of MDD (pcf):	106.5
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3140.30
Compaction Moisture content (%):	14.3
Compaction Wet Density (pcf):	123.12
Compaction Dry Density (pcf):	107.71
Moisture Content After Mr Test (%):	14.1

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

**7. Resilient Modulus, Mr:** 10541(Sc)^-0.14136(S3)^0.26711

**8. Comments**

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**9. Tested By:** GW **Date:** January 25, 2018

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

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

**Job No.** 061561 **Material Code** SSRVPS  
**Date Sampled:** 12/13/17 **Station No.:** 1.5  
**Date Tested:** January 25, 2018 **Location:** 16'RT  
**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)  
**County:** Code: 62 **Name:** SALINE  
**Sampled By:** FRAZIER/BATES **Depth:** 0-5  
**Lab No.:** 20173849 **AAASHTO Class:** A-4 (2)  
**Sample ID:** RV930 **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
	S <sub>3</sub> psi	S <sub>cyclic</sub> psi	P <sub>max</sub> lbs	P <sub>cyclic</sub> lbs	P <sub>contact</sub> lbs	S <sub>max</sub> psi	S <sub>cyclic</sub> psi	S <sub>contact</sub> psi	H <sub>avg</sub> in	ε <sub>r</sub> in/in	M <sub>r</sub> psi
Sequence 1	6.0	2.0	25.2	22.4	2.8	2.1	1.8	0.2	0.00096	0.00012	15,472
Sequence 2	6.0	4.0	47.3	44.6	2.8	3.9	3.7	0.2	0.00199	0.00025	14,793
Sequence 3	6.0	6.0	70.0	66.4	3.6	5.8	5.5	0.3	0.00317	0.00039	13,877
Sequence 4	6.0	8.0	93.9	87.8	6.1	7.7	7.2	0.5	0.00455	0.00057	12,783
Sequence 5	6.0	10.0	117.3	108.8	8.5	9.7	9.0	0.7	0.00590	0.00074	12,201
Sequence 6	4.0	2.0	25.1	22.3	2.8	2.1	1.8	0.2	0.00108	0.00013	13,701
Sequence 7	4.0	4.0	46.9	44.1	2.8	3.9	3.6	0.2	0.00230	0.00029	12,670
Sequence 8	4.0	6.0	68.5	65.6	2.9	5.7	5.4	0.2	0.00365	0.00045	11,917
Sequence 9	4.0	8.0	92.1	86.9	5.2	7.6	7.2	0.4	0.00505	0.00063	11,394
Sequence 10	4.0	10.0	115.9	108.3	7.6	9.6	8.9	0.6	0.00654	0.00082	10,949
Sequence 11	2.0	2.0	25.0	22.1	2.8	2.1	1.8	0.2	0.00126	0.00016	11,578
Sequence 12	2.0	4.0	46.4	43.5	2.9	3.8	3.6	0.2	0.00270	0.00034	10,661
Sequence 13	2.0	6.0	67.5	64.6	2.8	5.6	5.3	0.2	0.00423	0.00053	10,113
Sequence 14	2.0	8.0	89.8	85.6	4.3	7.4	7.1	0.4	0.00587	0.00073	9,647
Sequence 15	2.0	10.0	112.8	106.0	6.7	9.3	8.8	0.6	0.00742	0.00092	9,462

TESTED BY \_\_\_\_\_ DATE January 25, 2018  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

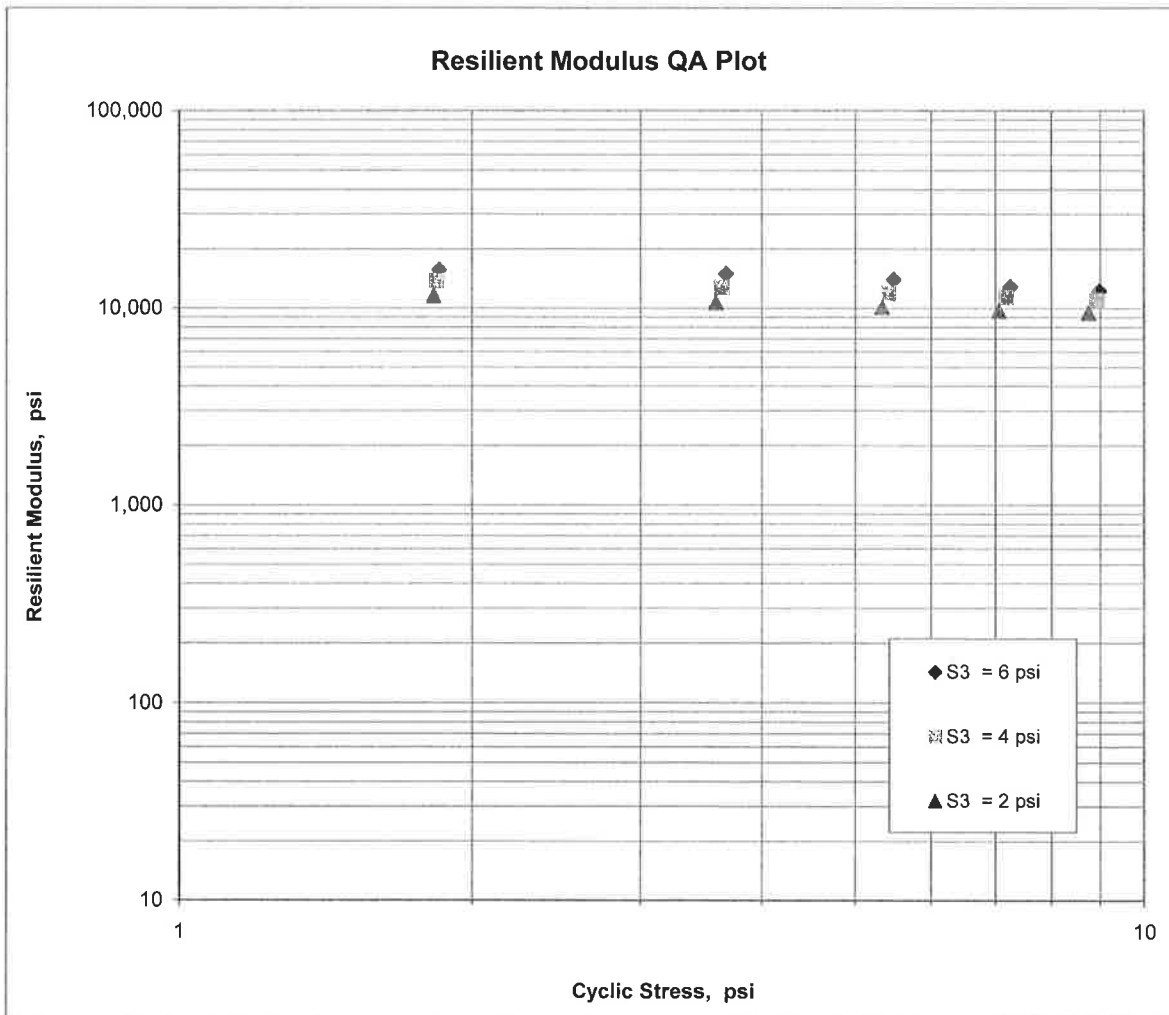
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	1.5
<b>Date Tested:</b>	January 25, 2018	<b>Location:</b>	16'RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173849	<b>AASHTO Class:</b>	A-4 (2)
<b>Sample ID:</b>	RV930	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

K1 =	10,541
K2 =	-0.14136
K5 =	0.26711
R <sup>2</sup> =	0.98





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

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	2.75
<b>Date Tested:</b>	January 25, 2018	<b>Location:</b>	16LT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173850	<b>AASHTO Class:</b>	A-6 (1)
<b>Sample ID:</b>	RV931	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.96
Middle	3.96
Bottom	3.96
Average	3.96
Membrane Thickness (in):	0.01
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):	12.24
Initial Volume, AoLo (cu. in):	98.18

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3108.50
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**4. Soil Properties:**

Optimum Moisture Content (%):	15.8
Maximum Dry Density (pcf):	109.2
95% of MDD (pcf):	103.7
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3108.50
Compaction Moisture content (%):	16.0
Compaction Wet Density (pcf):	120.64
Compaction Dry Density (pcf):	104.00
Moisture Content After Mr Test (%):	15.5

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

**7. Resilient Modulus, Mr:** 10450(Sc)^-0.29701(S3)^0.26116

**8. Comments** \_\_\_\_\_  
\_\_\_\_\_

**9. Tested By:** GW **Date:** January 25, 2018

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

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

**Job No.** 061561 **Material Code** SSRVPS  
**Date Sampled:** 12/13/17 **Station No.:** 2.75  
**Date Tested:** January 25, 2018 **Location:** 16'LT  
**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)  
**County:** Code: 62 **Name:** SALINE  
**Sampled By:** FRAZIER/BATES **Depth:** 0-5  
**Lab No.:** 20173850 **AAASHTO Class:** A-6 (1)  
**Sample ID:** RV931 **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 <sub>3</sub>	S <sub>cyclic</sub>	P <sub>max</sub>	P <sub>cyclic</sub>	P <sub>contact</sub>	S <sub>max</sub>	S <sub>cyclic</sub>	S <sub>contact</sub>	H <sub>avg</sub>	ε <sub>r</sub>	M <sub>r</sub>
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.3	22.7	2.6	2.1	1.9	0.2	0.00110	0.00014	13,527
Sequence 2	6.0	4.0	47.7	45.1	2.7	3.9	3.7	0.2	0.00250	0.00031	11,828
Sequence 3	6.0	6.0	70.3	66.9	3.5	5.7	5.5	0.3	0.00418	0.00052	10,475
Sequence 4	6.0	8.0	93.6	87.6	6.0	7.6	7.2	0.5	0.00619	0.00077	9,273
Sequence 5	6.0	10.0	117.0	108.7	8.4	9.6	8.9	0.7	0.00827	0.00103	8,608
Sequence 6	4.0	2.0	25.3	22.6	2.7	2.1	1.8	0.2	0.00120	0.00015	12,286
Sequence 7	4.0	4.0	47.2	44.4	2.8	3.9	3.6	0.2	0.00279	0.00035	10,422
Sequence 8	4.0	6.0	68.4	65.6	2.8	5.6	5.4	0.2	0.00476	0.00059	9,031
Sequence 9	4.0	8.0	91.8	86.6	5.2	7.5	7.1	0.4	0.00699	0.00087	8,118
Sequence 10	4.0	10.0	115.8	108.2	7.6	9.5	8.8	0.6	0.00919	0.00115	7,713
Sequence 11	2.0	2.0	25.2	22.4	2.8	2.1	1.8	0.2	0.00142	0.00018	10,377
Sequence 12	2.0	4.0	46.9	44.1	2.8	3.8	3.6	0.2	0.00328	0.00041	8,799
Sequence 13	2.0	6.0	67.4	64.6	2.8	5.5	5.3	0.2	0.00553	0.00069	7,649
Sequence 14	2.0	8.0	89.4	85.1	4.3	7.3	6.9	0.4	0.00799	0.00100	6,976
Sequence 15	2.0	10.0	113.0	106.2	6.8	9.2	8.7	0.6	0.01043	0.00130	6,671

TESTED BY \_\_\_\_\_ DATE January 25, 2018  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

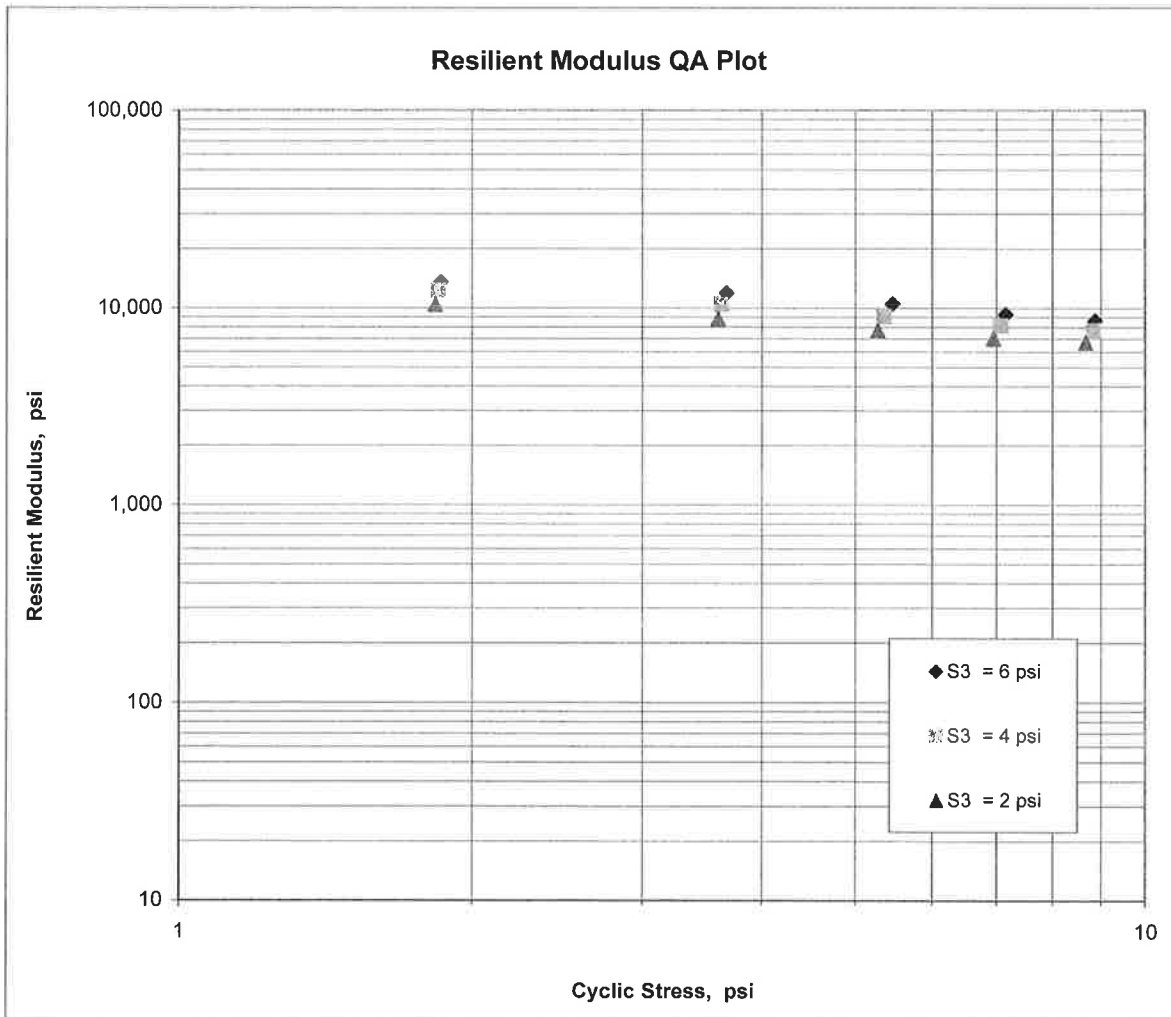
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	2.75
<b>Date Tested:</b>	January 25, 2018	<b>Location:</b>	16'LT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173850	<b>AASHTO Class:</b>	A-6 (1)
<b>Sample ID:</b>	RV931	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

K1 =	10,450
K2 =	-0.29701
K5 =	0.26116
R <sup>2</sup> =	0.99



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

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	5.8
<b>Date Tested:</b>	January 25, 2018	<b>Location:</b>	16'RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173851	<b>AASHTO Class:</b>	A-6 (7)
<b>Sample ID:</b>	RV932	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.95
Middle	3.94
Bottom	3.94
Average	3.94
Membrane Thickness (in):	0.01
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):	12.14
Initial Volume, AoLo (cu. in):	97.35

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3191.30
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**4. Soil Properties:**

Optimum Moisture Content (%):	15.4
Maximum Dry Density (pcf):	111.7
95% of MDD (pcf):	106.1
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3191.30
Compaction Moisture content (%):	15.3
Compaction Wet Density (pcf):	124.90
Compaction Dry Density (pcf):	108.33
Moisture Content After Mr Test (%):	15.2

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

#VALUE!

**7. Resilient Modulus, Mr:**

11577(Sc)^-0.15108(S3)^0.24449

**8. Comments**

\_\_\_\_\_

**9. Tested By:**

GW

**Date:** January 25, 2018

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

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

**Job No.** 061561 **Material Code** SSRVPS  
**Date Sampled:** 12/13/17 **Station No.:** 5.8  
**Date Tested:** January 25, 2018 **Location:** 16'RT  
**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)  
**County:** Code: 62 **Name:** SALINE  
**Sampled By:** FRAZIER/BATES **Depth:** 0-5  
**Lab No.:** 20173851 **AASHTO Class:** A-6 (7)  
**Sample ID:** RV932 **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. LVD1 and 2	Resilient Strain	Resilient Modulus
	S <sub>3</sub> psi	S <sub>cyclic</sub> psi	P <sub>max</sub> lbs	P <sub>cyclic</sub> lbs	P <sub>contact</sub> lbs	S <sub>max</sub> psi	S <sub>cyclic</sub> psi	S <sub>contact</sub> psi	H <sub>avg</sub> in	ε <sub>r</sub> in/in	M <sub>r</sub> psi
Sequence 1	6.0	2.0	25.3	22.8	2.5	2.1	1.9	0.2	0.00093	0.00012	16,270
Sequence 2	6.0	4.0	47.4	44.8	2.6	3.9	3.7	0.2	0.00192	0.00024	15,396
Sequence 3	6.0	6.0	70.2	66.8	3.4	5.8	5.5	0.3	0.00308	0.00038	14,334
Sequence 4	6.0	8.0	94.1	88.3	5.8	7.7	7.3	0.5	0.00445	0.00055	13,121
Sequence 5	6.0	10.0	117.5	109.1	8.3	9.7	9.0	0.7	0.00584	0.00073	12,353
Sequence 6	4.0	2.0	25.2	22.5	2.7	2.1	1.9	0.2	0.00103	0.00013	14,407
Sequence 7	4.0	4.0	47.1	44.5	2.6	3.9	3.7	0.2	0.00216	0.00027	13,590
Sequence 8	4.0	6.0	68.9	66.2	2.7	5.7	5.5	0.2	0.00344	0.00043	12,697
Sequence 9	4.0	8.0	92.6	87.6	5.0	7.6	7.2	0.4	0.00482	0.00060	12,005
Sequence 10	4.0	10.0	115.8	108.3	7.5	9.5	8.9	0.6	0.00630	0.00079	11,348
Sequence 11	2.0	2.0	25.1	22.3	2.8	2.1	1.8	0.2	0.00121	0.00015	12,162
Sequence 12	2.0	4.0	46.8	44.2	2.7	3.9	3.6	0.2	0.00256	0.00032	11,398
Sequence 13	2.0	6.0	68.0	65.3	2.7	5.6	5.4	0.2	0.00400	0.00050	10,778
Sequence 14	2.0	8.0	90.7	86.5	4.3	7.5	7.1	0.4	0.00553	0.00069	10,341
Sequence 15	2.0	10.0	113.8	107.1	6.7	9.4	8.8	0.6	0.00715	0.00089	9,897

TESTED BY \_\_\_\_\_ DATE January 25, 2018  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

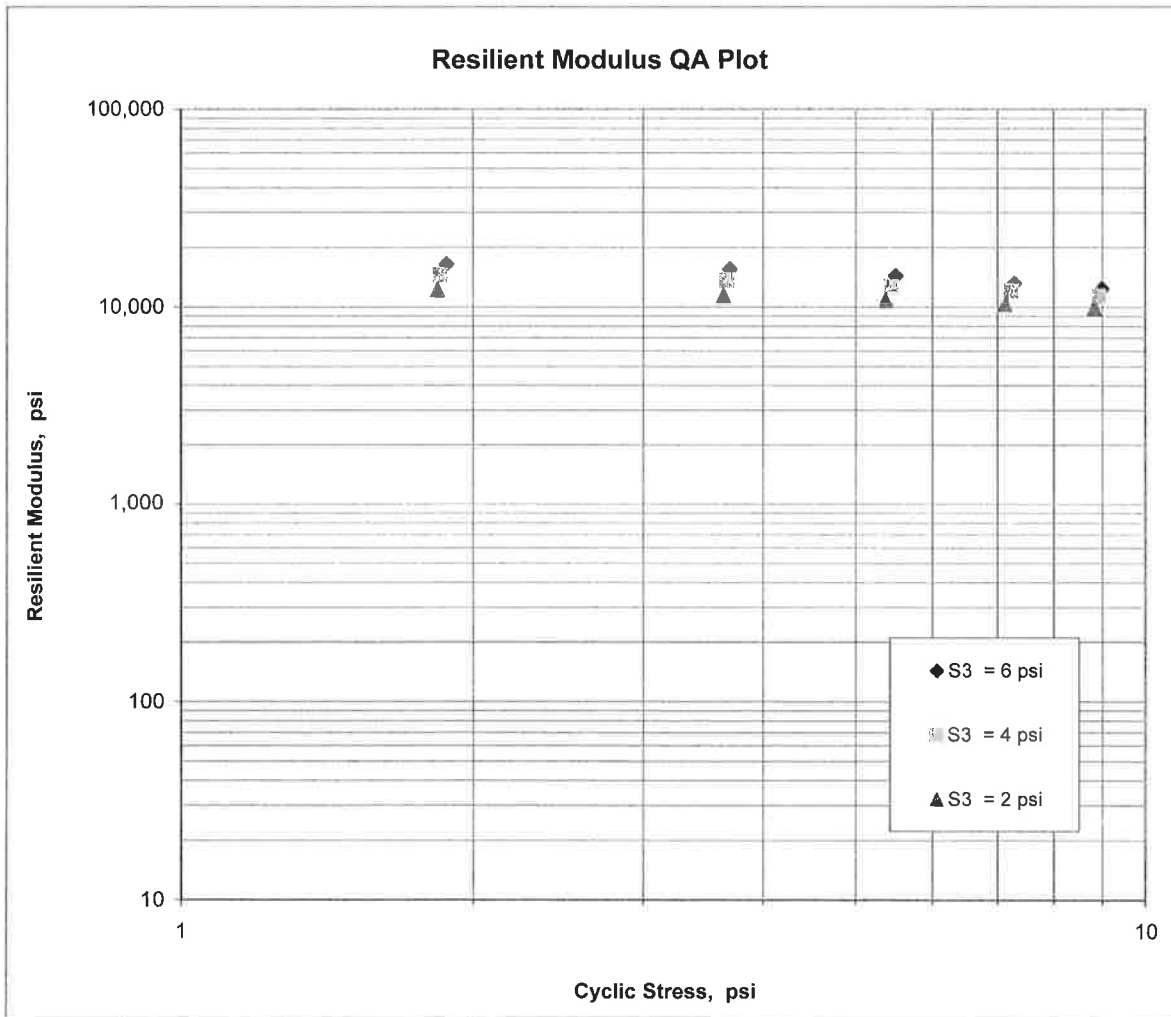
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	5.8
<b>Date Tested:</b>	January 25, 2018	<b>Location:</b>	16'RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173851	<b>AASHTO Class:</b>	A-6 (7)
<b>Sample ID:</b>	RV932	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

K1 = 11,577  
 K2 = -0.15108  
 K5 = 0.24449  
 R<sup>2</sup> = 0.97



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

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	7.05
<b>Date Tested:</b>	January 25, 2018	<b>Location:</b>	16'LT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173852	<b>AASHTO Class:</b>	A-4 (0)
<b>Sample ID:</b>	RV933	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.96
Middle	3.95
Bottom	3.94
Average	3.95
Membrane Thickness (in):	0.01
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):	12.18
Initial Volume, AoLo (cu. in):	97.68

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3243.00
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**4. Soil Properties:**

Optimum Moisture Content (%):	15.1
Maximum Dry Density (pcf):	112
95% of MDD (pcf):	106.4
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3243.00
Compaction Moisture content (%):	15.0
Compaction Wet Density (pcf):	126.50
Compaction Dry Density (pcf):	110.00
Moisture Content After Mr Test (%):	14.8

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

**7. Resilient Modulus, Mr:** 10069(Sc)^-0.28904(S3)^0.38724

**8. Comments** \_\_\_\_\_  
\_\_\_\_\_

**9. Tested By:** GW **Date:** January 25, 2018

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

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

**Job No.** 061561 **Material Code** SSRVPS  
**Date Sampled:** 12/13/17 **Station No.:** 7.05  
**Date Tested:** January 25, 2018 **Location:** 16'LT  
**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)  
**County:** Code: 62 **Name:** SALINE **Depth:** 0-5  
**Sampled By:** FRAZIER/BATES **AAASHTO Class:** A-4 (0)  
**Lab No.:** 20173852 **Material Type (1 or 2):** 2  
**Sample ID:** RV933 **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. LVD1 and 2	Resilient Strain	Resilient Modulus
	S <sub>3</sub> psi	S <sub>cyclic</sub> psi	P <sub>max</sub> lbs	P <sub>cyclic</sub> lbs	P <sub>contact</sub> lbs	S <sub>max</sub> psi	S <sub>cyclic</sub> psi	S <sub>contact</sub> psi	H <sub>avg</sub> in	ε <sub>r</sub> in/in	M <sub>r</sub> psi
Sequence 1	6.0	2.0	25.3	22.6	2.7	2.1	1.9	0.2	0.00091	0.00011	16,291
Sequence 2	6.0	4.0	47.7	45.0	2.7	3.9	3.7	0.2	0.00205	0.00026	14,451
Sequence 3	6.0	6.0	70.4	67.0	3.4	5.8	5.5	0.3	0.00344	0.00043	12,846
Sequence 4	6.0	8.0	94.3	88.4	5.9	7.7	7.3	0.5	0.00509	0.00063	11,430
Sequence 5	6.0	10.0	118.1	109.7	8.4	9.7	9.0	0.7	0.00681	0.00085	10,611
Sequence 6	4.0	2.0	25.3	22.6	2.7	2.1	1.9	0.2	0.00104	0.00013	14,295
Sequence 7	4.0	4.0	47.3	44.5	2.8	3.9	3.7	0.2	0.00248	0.00031	11,838
Sequence 8	4.0	6.0	68.7	66.0	2.7	5.6	5.4	0.2	0.00424	0.00053	10,253
Sequence 9	4.0	8.0	92.4	87.3	5.1	7.6	7.2	0.4	0.00610	0.00076	9,426
Sequence 10	4.0	10.0	116.2	108.7	7.4	9.5	8.9	0.6	0.00793	0.00099	9,030
Sequence 11	2.0	2.0	25.0	22.3	2.6	2.1	1.8	0.2	0.00130	0.00016	11,290
Sequence 12	2.0	4.0	46.4	43.7	2.7	3.8	3.6	0.2	0.00314	0.00039	9,170
Sequence 13	2.0	6.0	66.6	64.0	2.6	5.5	5.3	0.2	0.00531	0.00066	7,929
Sequence 14	2.0	8.0	89.3	85.2	4.1	7.3	7.0	0.3	0.00749	0.00093	7,490
Sequence 15	2.0	10.0	112.9	106.3	6.6	9.3	8.7	0.5	0.00963	0.00120	7,272

TESTED BY \_\_\_\_\_ DATE January 25, 2018  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_



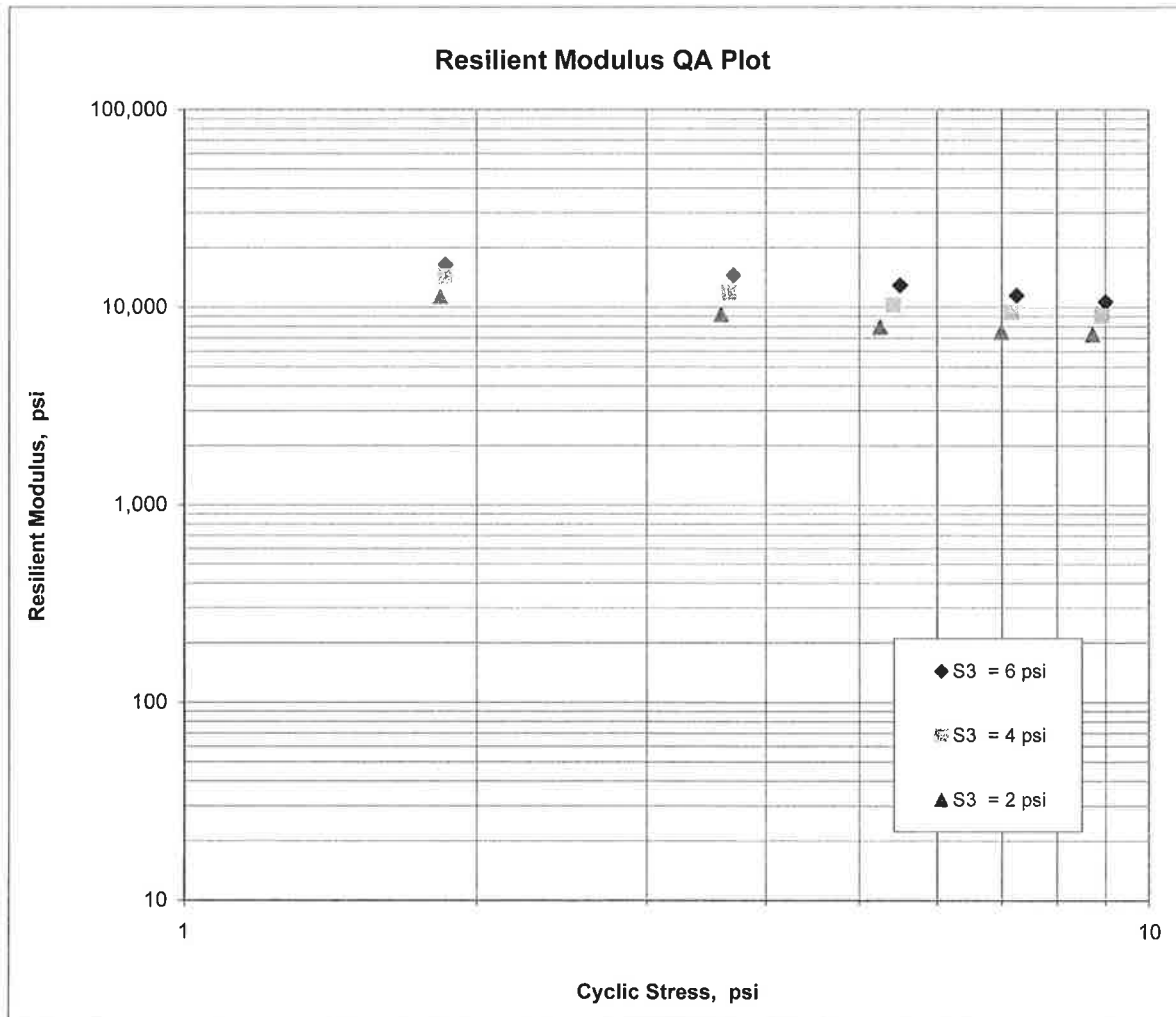
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	7.05
<b>Date Tested:</b>	January 25, 2018	<b>Location:</b>	16'LT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173852	<b>AASHTO Class:</b>	A-4 (0)
<b>Sample ID:</b>	RV933	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

K1 =	10,069
K2 =	-0.28904
K5 =	0.38724
R <sup>2</sup> =	0.99



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

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	9.8
<b>Date Tested:</b>	January 26, 2018	<b>Location:</b>	16'RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL.SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173853	<b>AASHTO Class:</b>	A-2-4 (0)
<b>Sample ID:</b>	RV934	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.95
Middle	3.94
Bottom	3.94
Average	3.94
Membrane Thickness (in):	0.01
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):	12.14
Initial Volume, AoLo (cu. in):	97.35

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3233.40
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**4. Soil Properties:**

Optimum Moisture Content (%):	15.7
Maximum Dry Density (pcf):	111.8
95% of MDD (pcf):	106.2
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3233.40
Compaction Moisture content (%):	16.2
Compaction Wet Density (pcf):	126.55
Compaction Dry Density (pcf):	108.91
Moisture Content After Mr Test (%):	15.7

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

**7. Resilient Modulus, Mr:** 10056(Sc)^-0.27403(S3)^0.35178

**8. Comments** \_\_\_\_\_

**9. Tested By:** GW **Date:** January 26, 2018

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

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

**Job No.** 061561      **Material Code** SSRVPS  
**Date Sampled:** 12/13/17      **Station No.:** 9.8  
**Date Tested:** January 26, 2018      **Location:** 16'RT  
**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL.SECS.)(S)  
**County:** Code: 62      **Name:** SALINE  
**Sampled By:** FRAZIER/BATES      **Depth:** 0-5  
**Lab No.:** 20173853      **AAASHTO Class:** A-2-4 (0)  
**Sample ID:** RV934      **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
	S <sub>3</sub> psi	S <sub>cyclic</sub> psi	P <sub>max</sub> lbs	P <sub>cyclic</sub> lbs	P <sub>contact</sub> lbs	S <sub>max</sub> psi	S <sub>cyclic</sub> psi	S <sub>contact</sub> psi	H <sub>avg</sub> in	ε <sub>r</sub> in/in	M <sub>r</sub> psi
Sequence 1	6.0	2.0	25.2	22.5	2.7	2.1	1.9	0.2	0.00097	0.00012	15,415
Sequence 2	6.0	4.0	47.5	44.7	2.8	3.9	3.7	0.2	0.00212	0.00026	13,917
Sequence 3	6.0	6.0	69.8	66.3	3.6	5.8	5.5	0.3	0.00354	0.00044	12,382
Sequence 4	6.0	8.0	93.0	87.0	6.0	7.7	7.2	0.5	0.00530	0.00066	10,844
Sequence 5	6.0	10.0	116.4	107.9	8.5	9.6	8.9	0.7	0.00697	0.00087	10,227
Sequence 6	4.0	2.0	25.1	22.4	2.7	2.1	1.8	0.2	0.00108	0.00013	13,722
Sequence 7	4.0	4.0	46.9	44.1	2.7	3.9	3.6	0.2	0.00249	0.00031	11,719
Sequence 8	4.0	6.0	68.0	65.2	2.8	5.6	5.4	0.2	0.00420	0.00052	10,256
Sequence 9	4.0	8.0	91.1	86.0	5.1	7.5	7.1	0.4	0.00611	0.00076	9,309
Sequence 10	4.0	10.0	114.4	106.9	7.5	9.4	8.8	0.6	0.00802	0.00100	8,808
Sequence 11	2.0	2.0	24.8	22.1	2.7	2.0	1.8	0.2	0.00136	0.00017	10,784
Sequence 12	2.0	4.0	46.2	43.5	2.7	3.8	3.6	0.2	0.00311	0.00039	9,228
Sequence 13	2.0	6.0	66.1	63.4	2.7	5.4	5.2	0.2	0.00518	0.00065	8,087
Sequence 14	2.0	8.0	87.9	83.7	4.2	7.2	6.9	0.3	0.00738	0.00092	7,491
Sequence 15	2.0	10.0	111.0	104.4	6.6	9.1	8.6	0.5	0.00945	0.00118	7,302

TESTED BY \_\_\_\_\_ DATE January 26, 2018  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

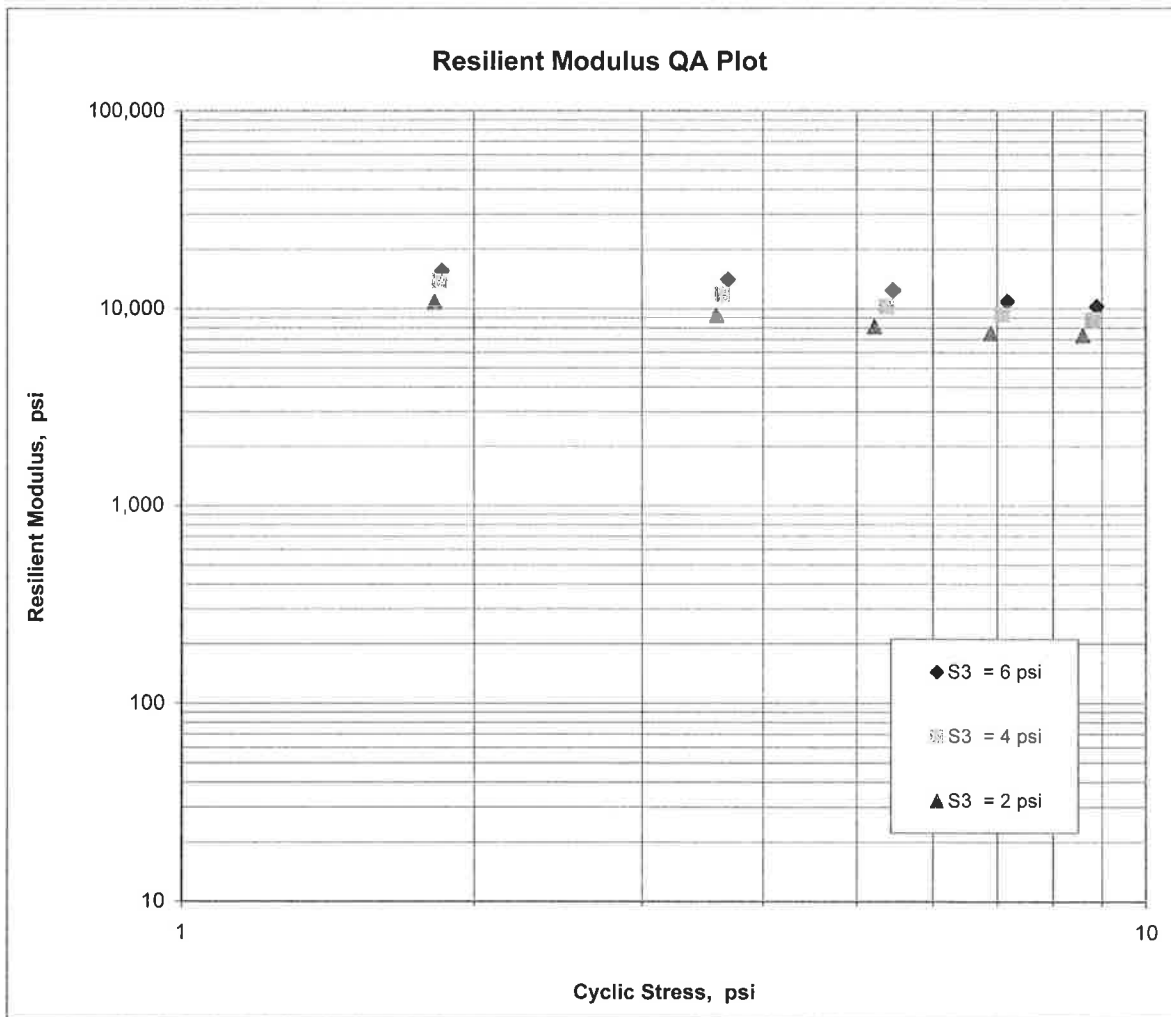
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	9.8
<b>Date Tested:</b>	January 26, 2018	<b>Location:</b>	16'RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL.SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173853	<b>AASHTO Class:</b>	A-2-4 (0)
<b>Sample ID:</b>	RV934	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

$K_1 =$	<u>10,056</u>
$K_2 =$	<u>-0.27403</u>
$K_5 =$	<u>0.35178</u>
$R^2 =$	<u>0.99</u>



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

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	11.05
<b>Date Tested:</b>	January 26, 2018	<b>Location:</b>	16LT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL.SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173854	<b>AASHTO Class:</b>	A-2-6 (0)
<b>Sample ID:</b>	RV935	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.94
Middle	3.95
Bottom	3.95
Average	3.95
Membrane Thickness (in):	0.01
Height of Specimen, Cap and Base (in):	8
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8
Initial Area, Ao (sq. in):	12.16
Initial Volume, AoLo (cu. in):	97.27

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3303.90
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**4. Soil Properties:**

Optimum Moisture Content (%):	14.1
Maximum Dry Density (pcf):	117.8
95% of MDD (pcf):	111.9
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3303.90
Compaction Moisture content (%):	14.1
Compaction Wet Density (pcf):	129.41
Compaction Dry Density (pcf):	113.42
Moisture Content After Mr Test (%):	14.0

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

**7. Resilient Modulus, Mr:** 11371(Sc)^-0.35834(S3)^0.26198

**8. Comments**

\_\_\_\_\_

\_\_\_\_\_

**9. Tested By:** GW **Date:** January 26, 2018

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

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

**Job No.** 061561 **Material Code** SSRVPS  
**Date Sampled:** 12/13/17 **Station No.:** 11.05  
**Date Tested:** January 26, 2018 **Location:** 16LT  
**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)  
**County:** Code: 62 **Name:** SALINE  
**Sampled By:** FRAZIER/BATES **Depth:** 0-5  
**Lab No.:** 20173854 **AAASHTO Class:** A-2-6 (0)  
**Sample ID:** RV935 **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. LVD T 1 and 2	Resilient Strain	Resilient Modulus
	S <sub>3</sub> psi	S <sub>cyclic</sub> psi	P <sub>max</sub> lbs	P <sub>cyclic</sub> lbs	P <sub>contact</sub> lbs	S <sub>max</sub> psi	S <sub>cyclic</sub> psi	S <sub>contact</sub> psi	H <sub>avg</sub> in	ε <sub>r</sub> in/in	M <sub>r</sub> psi
Sequence 1	6.0	2.0	25.1	22.3	2.8	2.1	1.8	0.2	0.00104	0.00013	14,087
Sequence 2	6.0	4.0	47.3	44.5	2.8	3.9	3.7	0.2	0.00241	0.00030	12,150
Sequence 3	6.0	6.0	69.6	66.0	3.6	5.7	5.4	0.3	0.00417	0.00052	10,425
Sequence 4	6.0	8.0	92.4	86.4	6.0	7.6	7.1	0.5	0.00635	0.00079	8,945
Sequence 5	6.0	10.0	115.3	106.9	8.4	9.5	8.8	0.7	0.00860	0.00107	8,184
Sequence 6	4.0	2.0	25.2	22.4	2.8	2.1	1.8	0.2	0.00114	0.00014	12,926
Sequence 7	4.0	4.0	46.8	44.1	2.7	3.8	3.6	0.2	0.00275	0.00034	10,543
Sequence 8	4.0	6.0	67.5	64.7	2.8	5.6	5.3	0.2	0.00483	0.00060	8,821
Sequence 9	4.0	8.0	90.2	85.1	5.1	7.4	7.0	0.4	0.00712	0.00089	7,867
Sequence 10	4.0	10.0	113.3	105.8	7.5	9.3	8.7	0.6	0.00954	0.00119	7,297
Sequence 11	2.0	2.0	25.1	22.3	2.8	2.1	1.8	0.2	0.00136	0.00017	10,813
Sequence 12	2.0	4.0	46.4	43.6	2.8	3.8	3.6	0.2	0.00323	0.00040	8,871
Sequence 13	2.0	6.0	66.6	63.8	2.8	5.5	5.2	0.2	0.00554	0.00069	7,576
Sequence 14	2.0	8.0	87.8	83.6	4.2	7.2	6.9	0.3	0.00811	0.00101	6,782
Sequence 15	2.0	10.0	110.8	104.2	6.6	9.1	8.6	0.5	0.01067	0.00133	6,421

TESTED BY \_\_\_\_\_ DATE January 26, 2018  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

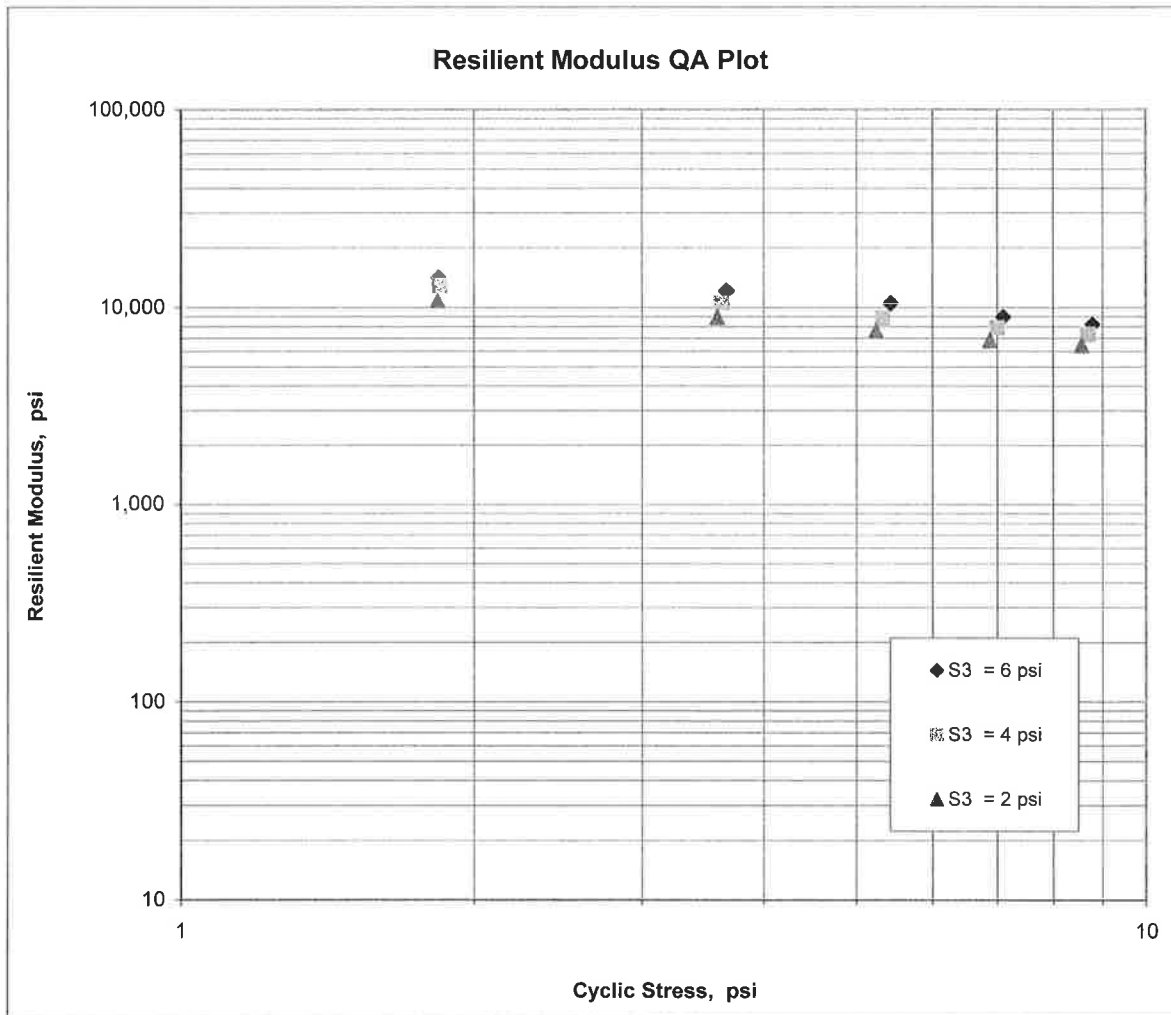
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	11.05
<b>Date Tested:</b>	January 26, 2018	<b>Location:</b>	16'LT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL.SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173854	<b>AASHTO Class:</b>	A-2-6 (0)
<b>Sample ID:</b>	RV935	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

$K_1 =$	<u>11,371</u>
$K_2 =$	<u>-0.35834</u>
$K_5 =$	<u>0.26198</u>
$R^2 =$	<u>0.98</u>



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

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	12.25
<b>Date Tested:</b>	January 26, 2018	<b>Location:</b>	16RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL.SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173855	<b>AASHTO Class:</b>	A-6 (6)
<b>Sample ID:</b>	RV936	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.95
Middle	3.94
Bottom	3.94
Average	3.94
Membrane Thickness (in):	0.01
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):	12.14
Initial Volume, AoLo (cu. in):	97.35

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3196.70
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**4. Soil Properties:**

Optimum Moisture Content (%):	15.9
Maximum Dry Density (pcf):	111.4
95% of MDD (pcf):	105.8
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3196.70
Compaction Moisture content (%):	13.8
Compaction Wet Density (pcf):	125.12
Compaction Dry Density (pcf):	109.94
Moisture Content After Mr Test (%):	13.4

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

#VALUE!

**7. Resilient Modulus, Mr:**

13426(Sc)<sup>-0.02449</sup>(S3)<sup>0.20944</sup>

**8. Comments**

\_\_\_\_\_

\_\_\_\_\_

**9. Tested By:**

GW

**Date:** January 26, 2018



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

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

**Job No.** 061561      **Material Code** SSRVPS  
**Date Sampled:** 12/13/17      **Station No.:** 12.25  
**Date Tested:** January 26, 2018      **Location:** 16'RT

**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL.SECS.)(S)

**County:** Code: 62      **Name:** SALINE

**Sampled By:** FRAZIER/BATES

**Lab No.:** 20173855

**Sample ID:** RV936

**LATITUDE:**

**Depth:** 0-5

**AAASHTO Class:** A-6 (6)

**Material Type (1 or 2):** 2  
**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											
UNIT											
Sequence 1	6.0	2.0	25.2	22.6	2.6	2.1	1.9	0.2	0.00077	0.00010	19,340
Sequence 2	6.0	4.0	47.4	44.8	2.7	3.9	3.7	0.2	0.00152	0.00019	19,522
Sequence 3	6.0	6.0	70.2	66.8	3.4	5.8	5.5	0.3	0.00231	0.00029	19,137
Sequence 4	6.0	8.0	94.6	88.7	5.8	7.8	7.3	0.5	0.00320	0.00040	18,312
Sequence 5	6.0	10.0	118.8	110.6	8.2	9.8	9.1	0.7	0.00414	0.00052	17,644
Sequence 6	4.0	2.0	25.3	22.8	2.4	2.1	1.9	0.2	0.00086	0.00011	17,585
Sequence 7	4.0	4.0	47.4	44.9	2.6	3.9	3.7	0.2	0.00168	0.00021	17,636
Sequence 8	4.0	6.0	69.3	66.7	2.6	5.7	5.5	0.2	0.00253	0.00032	17,402
Sequence 9	4.0	8.0	93.5	88.5	4.9	7.7	7.3	0.4	0.00341	0.00042	17,172
Sequence 10	4.0	10.0	117.5	110.1	7.4	9.7	9.1	0.6	0.00434	0.00054	16,778
Sequence 11	2.0	2.0	25.1	22.5	2.6	2.1	1.9	0.2	0.00101	0.00013	14,734
Sequence 12	2.0	4.0	47.2	44.5	2.7	3.9	3.7	0.2	0.00195	0.00024	15,050
Sequence 13	2.0	6.0	69.1	66.4	2.7	5.7	5.5	0.2	0.00295	0.00037	14,889
Sequence 14	2.0	8.0	92.4	88.3	4.1	7.6	7.3	0.3	0.00388	0.00048	15,035
Sequence 15	2.0	10.0	116.4	109.8	6.6	9.6	9.0	0.5	0.00486	0.00061	14,939

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

GW

DATE

DATE

January 26, 2018

DATE

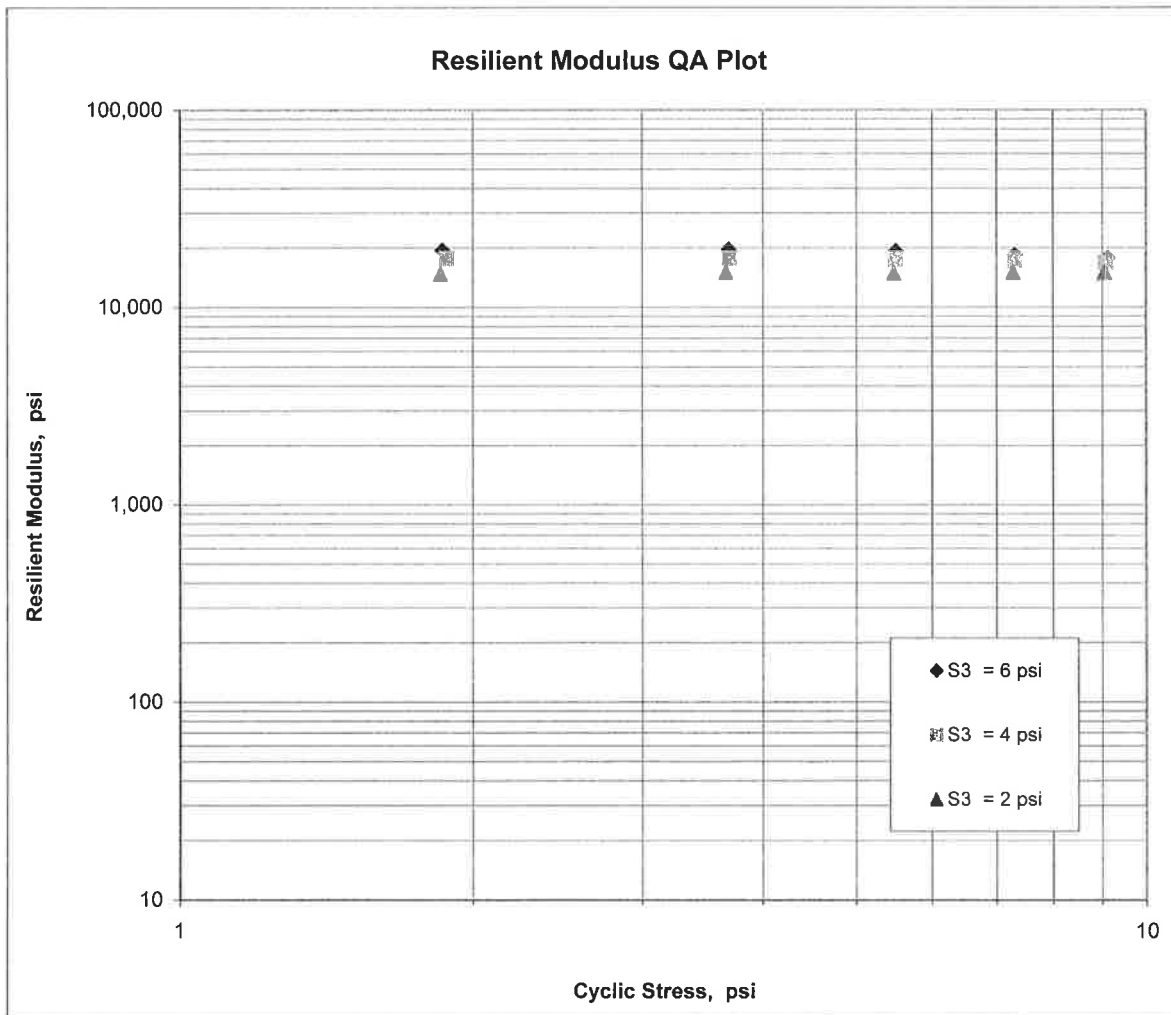
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	12.25
<b>Date Tested:</b>	January 26, 2018	<b>Location:</b>	16'RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL.SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173855	<b>AASHTO Class:</b>	A-6 (6)
<b>Sample ID:</b>	RV936	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

$K_1 =$	<u>13,426</u>
$K_2 =$	<u>-0.02449</u>
$K_5 =$	<u>0.20944</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**

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	14.4
<b>Date Tested:</b>	January 30, 2018	<b>Location:</b>	16'RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173856	<b>AASHTO Class:</b>	A-4 (1)
<b>Sample ID:</b>	RV937	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.95
Middle	3.95
Bottom	3.96
Average	3.95
Membrane Thickness (in):	0.01
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):	12.20
Initial Volume, AoLo (cu. in):	97.73

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3175.40
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**4. Soil Properties:**

Optimum Moisture Content (%):	16.1
Maximum Dry Density (pcf):	109
95% of MDD (pcf):	103.6
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3175.40
Compaction Moisture content (%):	15.9
Compaction Wet Density (pcf):	123.81
Compaction Dry Density (pcf):	106.82
Moisture Content After Mr Test (%):	15.8

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

**7. Resilient Modulus, Mr:** 12121(Sc)<sup>-0.22140</sup>(S3)<sup>0.25262</sup>

**8. Comments** \_\_\_\_\_

**9. Tested By:** GW **Date:** January 30, 2018

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

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

**Job No.** 061561 **Material Code** SSRVPS  
**Date Sampled:** 12/13/17 **Station No.:** 14.4  
**Date Tested:** January 30, 2018 **Location:** 16'RT  
**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)  
**County:** Code: 62 **Name:** SALINE  
**Sampled By:** FRAZIER/BATES **Depth:** 0-5  
**Lab No.:** 20173856 **AASHTO Class:** A-4 (1)  
**Sample ID:** RV937 **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. LVD1 and 2	Resilient Strain	Resilient Modulus
Sequence 1	6.0	2.0	25.2	22.5	2.7	2.1	1.8	0.2	0.0092	0.0012	15,988
Sequence 2	6.0	4.0	47.5	44.8	2.7	3.9	3.7	0.2	0.0194	0.0024	15,152
Sequence 3	6.0	6.0	70.2	66.6	3.6	5.8	5.5	0.3	0.0318	0.0040	13,759
Sequence 4	6.0	8.0	93.3	87.3	5.9	7.6	7.2	0.5	0.0468	0.0058	12,243
Sequence 5	6.0	10.0	116.2	107.9	8.3	9.5	8.8	0.7	0.0630	0.0079	11,243
Sequence 6	4.0	2.0	25.2	22.6	2.6	2.1	1.9	0.2	0.0100	0.0012	14,827
Sequence 7	4.0	4.0	47.1	44.5	2.6	3.9	3.6	0.2	0.0221	0.0028	13,234
Sequence 8	4.0	6.0	68.4	65.8	2.6	5.6	5.4	0.2	0.0361	0.0045	11,981
Sequence 9	4.0	8.0	91.4	86.4	5.0	7.5	7.1	0.4	0.0516	0.0064	10,990
Sequence 10	4.0	10.0	114.2	106.9	7.3	9.4	8.8	0.6	0.0682	0.0085	10,284
Sequence 11	2.0	2.0	25.1	22.5	2.6	2.1	1.8	0.2	0.0121	0.0015	12,227
Sequence 12	2.0	4.0	46.6	44.0	2.6	3.8	3.6	0.2	0.0258	0.0032	11,194
Sequence 13	2.0	6.0	67.1	64.5	2.6	5.5	5.3	0.2	0.0417	0.0052	10,137
Sequence 14	2.0	8.0	88.8	84.6	4.2	7.3	6.9	0.3	0.0590	0.0074	9,408
Sequence 15	2.0	10.0	111.4	104.7	6.6	9.1	8.6	0.5	0.0769	0.0096	8,942

TESTED BY \_\_\_\_\_ DATE January 30, 2018  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

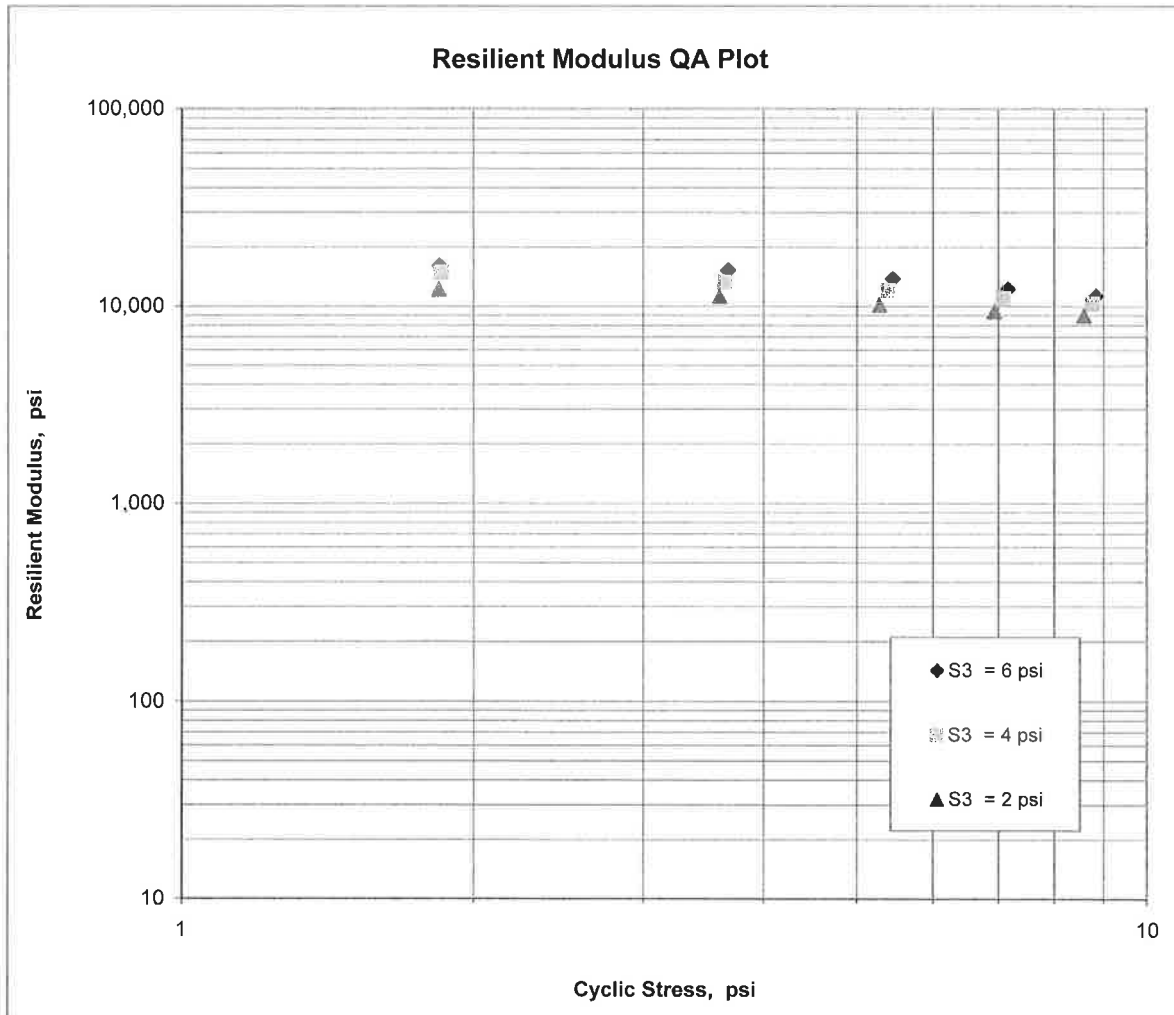
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	14.4
<b>Date Tested:</b>	January 30, 2018	<b>Location:</b>	16'RT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES		<b>Depth:</b> 0-5
<b>Lab No.:</b>	20173856	<b>AASHTO Class:</b>	A-4 (1)
<b>Sample ID:</b>	RV937	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

$K_1 = \underline{\underline{12,121}}$   
 $K_2 = \underline{\underline{-0.22140}}$   
 $K_5 = \underline{\underline{0.25262}}$   
 $R^2 = \underline{\underline{0.97}}$



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

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

<b>Job No.:</b>	061561	<b>Material Code:</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	15.65
<b>Date Tested:</b>	January 30, 2018	<b>Location:</b>	16LT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b> SALINE	
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173857	<b>AASHTO Class:</b>	A-4 (4)
<b>Sample ID:</b>	RV938	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

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

**2. Specimen Information:**

Specimen Diameter (in):	
Top	3.95
Middle	3.94
Bottom	3.94
Average	3.94
Membrane Thickness (in):	0.01
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):	12.14
Initial Volume, AoLo (cu. in):	97.23

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3131.50
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**4. Soil Properties:**

Optimum Moisture Content (%):	15.0
Maximum Dry Density (pcf):	109.5
95% of MDD (pcf):	104.0
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3131.50
Compaction Moisture content (%):	15.3
Compaction Wet Density (pcf):	122.72
Compaction Dry Density (pcf):	106.43
Moisture Content After Mr Test (%):	15.0

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

**7. Resilient Modulus, Mr:** 12755(Sc)^-0.15259(S3)^0.24290

**8. Comments** \_\_\_\_\_  
\_\_\_\_\_

**9. Tested By:** GW **Date:** January 30, 2018

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

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

**Job No.** 061561 **Material Code** SSRVPS  
**Date Sampled:** 12/13/17 **Station No.:** 15.65  
**Date Tested:** January 30, 2018 **Location:** 16'LT  
**Name of Project:** HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)  
**County:** Code: 62 **Name:** SALINE  
**Sampled By:** FRAZIER/BATES **Depth:** 0-5  
**Lab No.:** 20173857 **AASHTO Class:** A-4 (4)  
**Sample ID:** RV938 **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	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.2	22.5	2.7	2.1	1.9	0.2	0.0083	0.0010	17,996
Sequence 2	6.0	4.0	46.9	44.3	2.6	3.9	3.6	0.2	0.0172	0.0022	16,941
Sequence 3	6.0	6.0	69.5	66.0	3.5	5.7	5.4	0.3	0.0276	0.0035	15,761
Sequence 4	6.0	8.0	93.1	87.2	5.9	7.7	7.2	0.5	0.0401	0.0050	14,365
Sequence 5	6.0	10.0	116.6	108.3	8.3	9.6	8.9	0.7	0.0530	0.0066	13,486
Sequence 6	4.0	2.0	25.0	22.4	2.6	2.1	1.8	0.2	0.0093	0.0012	15,931
Sequence 7	4.0	4.0	46.8	44.2	2.6	3.9	3.6	0.2	0.0196	0.0024	14,910
Sequence 8	4.0	6.0	68.2	65.5	2.7	5.6	5.4	0.2	0.0311	0.0039	13,917
Sequence 9	4.0	8.0	91.7	86.7	5.0	7.6	7.1	0.4	0.0437	0.0055	13,106
Sequence 10	4.0	10.0	114.9	107.5	7.4	9.5	8.9	0.6	0.0571	0.0071	12,424
Sequence 11	2.0	2.0	24.9	22.3	2.6	2.1	1.8	0.2	0.0112	0.0014	13,168
Sequence 12	2.0	4.0	46.5	43.8	2.7	3.8	3.6	0.2	0.0229	0.0029	12,602
Sequence 13	2.0	6.0	67.6	64.9	2.7	5.6	5.3	0.2	0.0360	0.0045	11,881
Sequence 14	2.0	8.0	89.7	85.6	4.1	7.4	7.1	0.3	0.0497	0.0062	11,370
Sequence 15	2.0	10.0	112.9	106.2	6.7	9.3	8.8	0.6	0.0640	0.0080	10,956

TESTED BY \_\_\_\_\_ DATE January 30, 2018  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

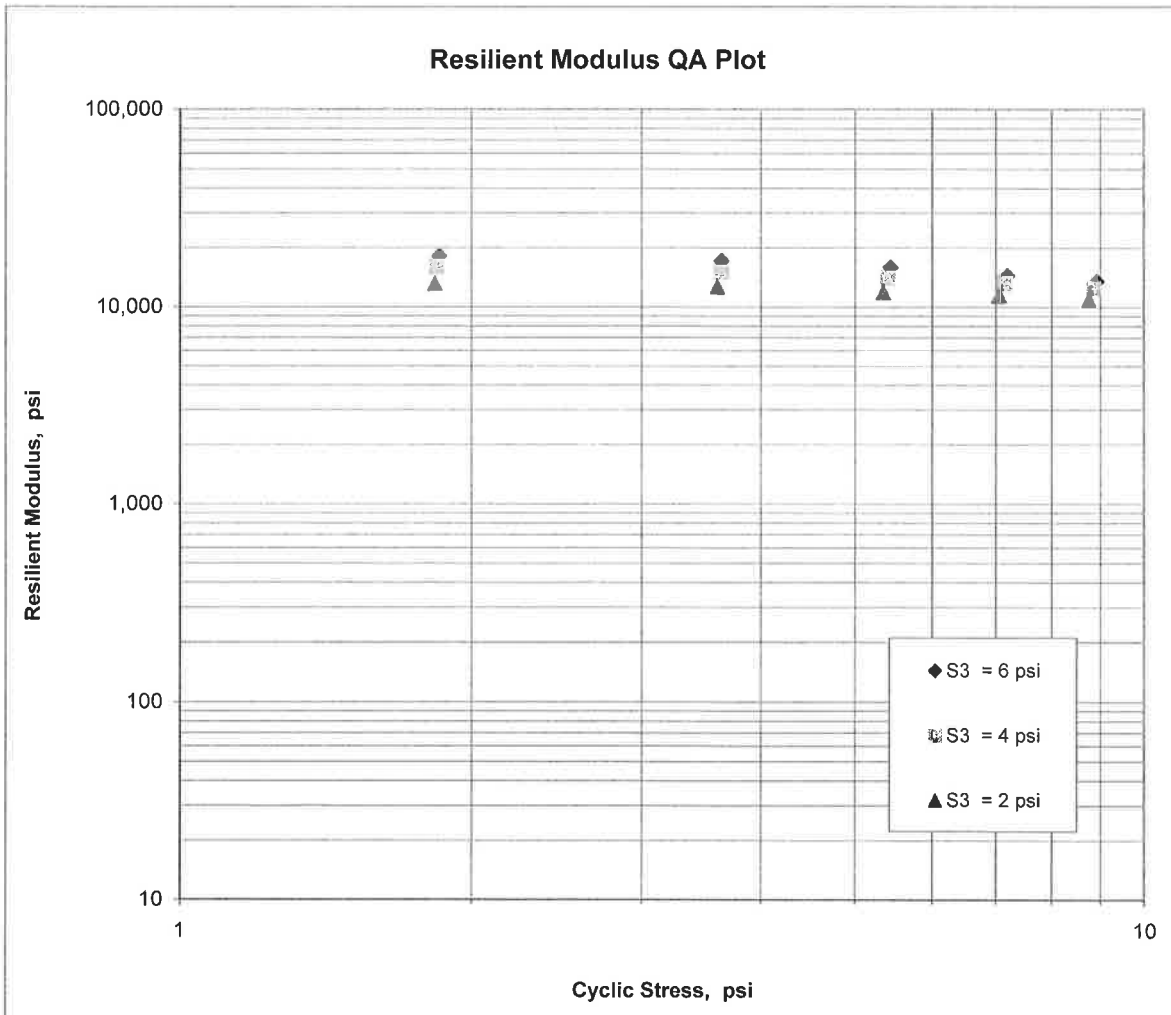
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061561	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	12/13/17	<b>Station No.:</b>	15.65
<b>Date Tested:</b>	January 30, 2018	<b>Location:</b>	16'LT
<b>Name of Project:</b>	HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(SEL. SECS.)(S)		
<b>County:</b>	<b>Code:</b> 62	<b>Name:</b>	SALINE
<b>Sampled By:</b>	FRAZIER/BATES	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20173857	<b>AASHTO Class:</b>	A-4 (4)
<b>Sample ID:</b>	RV938	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

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

$K_1 = \underline{\underline{12,755}}$   
 $K_2 = \underline{\underline{-0.15259}}$   
 $K_5 = \underline{\underline{0.24290}}$   
 $R^2 = \underline{\underline{0.97}}$





JOB: 061561

Arkansas State Highway Transportation Department

JOB NAME: HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.)(S)

Materials Division

COUNTY NO. 62 DATE TESTED

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				
01.5	16 RT	0-5	BROWN	80	77	74	71	63	27	07	A-4(2)	RV930	
02.75	16 LT	0-5	BROWN	63	54	45	41	38	32	13	A-6(1)	RV931	
05.8	16 RT	0-5	BROWN	85	80	74	72	69	33	13	A-6(7)	RV932	
07.05	16 LT	0-5	BR/GR	73	61	49	45	42	26	07	A-4(0)	RV933	
09.8	16 RT	0-5	BR/GR	65	52	40	37	35	31	10	A-2-4(0)	RV934	
11.05	16 LT	0-5	BR/GR	58	48	37	34	31	36	16	A-2-6(0)	RV935	
12.25	16 RT	0-5	BR/RD	85	83	79	73	65	32	13	A-6(6)	RV936	
14.40	16 RT	0-5	BROWN	67	60	53	49	44	27	09	A-4(1)	RV937	
15.65	16 LT	0-5	BROWN	79	75	72	70	64	28	09	A-4(4)	RV938	
0.05	05 RT	0-5	BROWN	89	81	70	64	59	25	01	A-4(0)	S797	18.5
0.05	16 RT	0-3Z	BROWN	98	92	76	65	54	21	06	A-4(0)	S798	4
0.30	05 LT	0-5	BR/RD	93	86	77	73	69	35	16	A-6(9)	S799	20.2
0.30	16 LT	0-3.5Z	BROWN	94	87	76	71	65	34	14	A-6(7)	S800	12
0.55	05 RT	0-5	RED	98	97	92	87	81	45	23	A-7-6(19)	S801	15.8
0.55	16 RT	0-5	RED	97	96	92	89	80	43	23	A-7-6(18)	S802	15.3
0.80	05 LT	0-2.5Z	BROWN	95	89	80	74	69	36	17	A-6(10)	S803	21.2
0.80	16 LT	0-5	BROWN	88	80	72	68	62	ND	NP	A-4(0)	S804	12.2
01.05	05 RT	0-5	RD/BR	95	91	85	82	78	36	16	A-6(12)	S805	20.1
01.05	16 RT	0-5	RD/BR	95	89	83	86	76	ND	NP	A-4(0)	S806	12.8
01.3	05 LT	0-2Z	RD/BR	92	83	72	65	57	26	10	A-4(3)	S807	14.4
01.30	16 LT	0-5	RD/BR	82	75	63	57	49	28	11	A-6(2)	S808	9.1
01.5	05 RT	0-5	RD/BR	97	92	85	80	71	45	20	A-7-6(14)	S809	22.2
01.5	16 RT	0-5	BROWN	95	91	85	80	70	30	11	A-6(6)	S810	15.6
01.75	05 LT	0-5	RD/BR	93	82	67	59	51	19	04	A-4(0)	S811	7.7
01.75	16 LT	0-2.5Z	RD/BR	90	82	68	62	54	22	07	A-4(1)	S812	6.6
02.0	05 RT	0-5	RD/BR	99	98	93	90	85	49	22	A-7-6(21)	S813	24.7

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

Wednesday, January 31, 2018

STA.#	LOC.	DEPTH	COLOR						L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				#4	#10	#40	#80	#200					
				S	I	E	V	E	S				
02.0	16 RT	0-5	BR/RD	97	95	91	88	82	41	19	A-7-6(16)	S814	17.6
02.25	05 LT	0-5	BROWN	96	90	81	77	71	34	15	A-6(9)	S815	21.3
02.25	16 LT	0-5	BR/GR	94	83	69	64	58	28	10	A-4(3)	S816	16.8
02.5	05 RT	0-5	BR/GR	95	84	71	65	59	38	19	A-6(9)	S817	19.2
02.5	16 RT	0-5	BROWN	90	80	68	64	59	36	16	A-6(7)	S818	13.3
02.75	05 LT	0-5	BROWN	87	77	65	60	55	38	18	A-6(7)	S819	14.2
02.75	16 LT	0-5	BROWN	95	86	66	61	61	39	19	A-6(9)	S820	19.3
03.0	05 RT	0-5	BR/GR	89	78	75	74	68	31	13	A-6(7)	S821	12.3
03.0	16 RT	0-5	BR/GR	96	88	76	71	64	38	18	A-6(9)	S822	14.2
03.25	05 LT	0-5	BR/GR	96	88	75	68	61	42	20	A-7-6(10)	S823	18.6
03.25	16 LT	0-5	BR/GR	95	87	75	69	63	41	21	A-7-6(11)	S824	11.1
03.5	05 RT	0-5	BR/GR	89	79	66	60	54	31	12	A-6(4)	S825	18.9
03.5	16 RT	0-5	BROWN	81	70	57	52	46	34	13	A-6(3)	S826	14.5
03.7	05 RT	0-5	BR/GR	97	88	76	72	67	42	23	A-7-6(14)	S827	12.7
03.7	16 RT	0-5	BR/GR	90	82	69	64	59	44	22	A-7-6(11)	S828	9.1
03.95	05 LT	0-5	BROWN	91	80	67	62	57	35	16	A-6(6)	S829	15.6
03.95	16 LT	0-5	RD/BR	95	86	74	68	62	40	19	A-6(10)	S830	19.5
04.2	05 RT	0-3.5Z	RD/BR	94	84	68	67	58	30	14	A-6(5)	S831	10.2
04.2	16 RT	0-3Z	RD/BR	90	81	67	61	55	26	08	A-4(2)	S832	8.7
04.45	05 LT	0-3Z	RD/BR	93	81	66	58	54	30	13	A-6(4)	S833	10.8
04.45	16 LT	0-3Z	RD/BR	91	81	65	58	53	27	11	A-6(3)	S834	8.5
04.8	05 RT	0-3Z	BR/GR	96	80	55	45	39	27	10	A-4(1)	S835	5
04.8	16 RT	0-5	BR/GR	99	92	74	66	61	33	11	A-6(5)	S836	10.7
05.05	05 LT	0-5	GRAY	95	91	84	81	76	36	20	A-6(13)	S837	18.2
05.05	16 LT	0-5	BROWN	98	96	92	90	86	34	17	A-6(14)	S838	19.7
05.3	05 RT	0-5	BR/GR	87	74	58	53	48	32	15	A-6(4)	S839	11.4
05.3	16 RT	0-5	BR/GR	90	79	63	58	52	33	15	A-6(5)	S840	9.9
05.55	05 LT	0-5	BR/RD	98	94	86	82	77	37	21	A-6(15)	S841	14.8

STA.#	LOC.	DEPTH	COLOR						L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				#4	#10	#40	#80	#200					
				S	I	E	V	E	S				
05.55	16 LT	0-2Z	BR/GR	83	71	57	52	48	28	10	A-4(2)	S842	9.2
05.8	05 RT	0-5	BROWN	97	91	83	80	77	ND	NP	A-4(0)	S843	17.2
05.8	16 RT	0-5	BROWN	87	80	70	66	63	28	09	A-4(3)	S844	7.8
06.05	05 LT	0-5	BR/GR	97	93	85	81	73	38	16	A-6(11)	S845	27.1
06.05	16 LT	0-5	BR/GR	94	85	69	61	56	34	12	A-6(4)	S846	11
06.3	05 RT	0-3.5Z	BR/GR	96	87	73	68	63	29	11	A-6(5)	S847	11.1
06.3	16 RT	0-5	BR/GR	94	86	74	69	64	30	12	A-6(5)	S848	12.3
06.55	05 LT	0-4.5Z	BR/GR	100	98	89	82	76	31	13	A-6(8)	S849	8.2
06.55	16 LT	0-5	BR/GR	89	81	68	61	56	33	11	A-6(4)	S850	12.7
06.8	05 RT	0-5	BR/GR	96	90	79	72	67	31	11	A-6(5)	S851	14.1
06.8	16 RT	0-4Z	BR/GR	94	82	68	58	50	ND	NP	A-4(0)	S852	7.8
07.05	05 LT	0-5	BR/GR	94	85	72	66	61	28	10	A-4(4)	S853	13.6
07.05	16 LT	0-5	BR/GR	92	92	65	59	54	29	10	A-4(3)	S854	20.3
07.3	05 RT	0-5	BR/GR	100	96	84	78	72	39	16	A-6(11)	S855	16.1
07.3	16 RT	0-5	BR/GR	97	94	88	85	83	46	23	A-7-6(20)	S856	24.6
07.55	05 LT	0-5	BR/GR	93	83	69	63	58	32	14	A-6(5)	S857	11.8
07.55	16 LT	0-5	BR/GR	94	83	68	61	57	33	14	A-6(5)	S858	11.9
07.8	05 RT	0-5	BR/GR	90	80	69	65	61	36	18	A-6(8)	S859	16.7
07.8	16 RT	0-5	BR/GR	98	92	80	76	72	31	13	A-6(7)	S860	11.3
08.05	05 LT	0-5	BR/GR	95	87	74	68	63	34	12	A-6(6)	S861	14.6
08.05	16 LT	0-5	BR/GR	95	89	79	75	71	44	21	A-7-6(14)	S862	19.2
08.3	05 RT	0-5	BR/GR	99	95	84	79	75	38	15	A-6(11)	S863	18.4
08.3	16 RT	0-5	BR/GR	99	96	88	84	81	47	22	A-7-6(19)	S864	23.1
08.55	05 LT	0-5	BR/GR	95	86	73	68	64	34	13	A-6(6)	S865	18.6
08.55	16 LT	0-5	BR/GR	85	73	59	54	50	33	12	A-6(3)	S866	19.7
08.8	05 RT	0-5	BR/RD	98	94	89	88	84	33	16	A-6(12)	S867	29.9
08.8	16 RT	0-5	BR/RD	93	87	76	73	69	33	16	A-6(9)	S868	13.7
09.05	05 LT	0-5	BR/GR	96	86	69	62	56	26	09	A-4(2)	S869	7.3

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
09.05	16 LT	0-3Z	BR/GR	90	78	63	58	54	27	09	A-4(2)	S870	9.2
09.3	05 RT	0-5	BR/GR	96	87	74	70	66	45	22	A-7-5(14)	S871	13.5
09.3	16 RT	0-5	BROWN	83	73	60	56	52	35	15	A-6(5)	S872	16.1
09.55	05 LT	0-5	BR/GR	98	90	70	63	58	31	09	A-4(3)	S873	14.7
09.55	16 LT	0-5	BR/GR	89	74	54	46	42	28	08	A-4(0)	S874	5
09.8	05 RT	0-5	BR/GR	90	79	64	58	54	33	11	A-6(4)	S875	14.1
09.8	16 RT	0-5	BR/GR	90	79	64	59	55	31	08	A-4(2)	S876	13.4
10.05	05 LT	0-5	BROWN	87	74	57	53	51	31	11	A-6(3)	S877	17.9
10.05	16 LT	0-5	BR/GR	95	86	72	67	64	33	11	A-6(5)	S878	12.3
10.3	05 RT	0-5	BR/GR	94	80	63	56	52	29	11	A-6(3)	S879	12.4
10.3	16 RT	0-5	BR/GR	85	72	58	52	49	30	11	A-6(2)	S880	8.7
10.55	05 LT	0-5	BROWN	89	78	63	58	54	31	12	A-6(4)	S881	12.6
10.55	16 LT	0-5	BR/GR	92	81	66	60	55	32	12	A-6(4)	S882	10.5
10.8	05 RT	0-5	BROWN	97	89	78	76	67	38	17	A-6(10)	S883	20.4
10.8	16 RT	0-5	BROWN	87	73	58	54	51	32	12	A-6(3)	S884	15
11.05	05 LT	0-5	BR/GR	86	72	59	54	50	32	14	A-6(4)	S885	14.5
11.05	16 LT	0-5	BR/GR	80	68	53	47	43	34	15	A-6(3)	S886	12.9
11.3	05 RT	0-3.5Z	BR/GR	98	92	78	73	65	31	12	A-6(6)	S887	12.7
11.3	16 RT	0-5	BR/GR	96	90	77	70	65	29	12	A-6(5)	S888	12.1
11.55	05 LT	0-5	BR/RD	87	75	59	54	50	35	15	A-6(4)	S889	12.4
11.55	16 LT	0-5	BR/RD	94	86	73	69	65	35	15	A-6(8)	S890	17.3
11.8	05 RT	0-5	BR/GR	96	84	67	61	58	31	14	A-6(5)	S891	13.1
11.8	16 RT	0-5	BROWN	89	78	62	55	52	28	08	A-4(2)	S892	7.5
12.25	05 RT	0-4Z	BR/RD	96	92	82	74	66	29	11	A-6(5)	S893	16.5
12.25	16 RT	0-5	BR/RD	93	88	80	72	63	38	16	A-6(8)	S894	16.4
12.9	05 RT	0-2.5Z	GR/BR	88	77	61	54	46	34	14	A-6(3)	S895	8.5
12.9	16 RT	0-1.5Z	RD/BR	80	68	53	45	37	ND	NP	A-4(0)	S896	7.5
13.15	05 LT	0-2Z	RD/BR	76	61	51	47	37	26	08	A-4(0)	S897	17.8

STA.#	LOC.	DEPTH	COLOR						L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				#4	#10	#40	#80	#200					
				S	I	E	V	E	S				
13.15	16 LT	0-3Z	RD/BR	80	67	58	51	40	ND	NP	A-4(0)	S898	9.6
13.4	05 RT	0-5	GRAY	95	86	69	63	56	36	17	A-6(7)	S899	11.4
13.4	16 RT	0-5	GRAY	89	82	71	65	60	39	16	A-6(8)	S900	17.3
13.65	05 LT	0-5	BR/GR	92	82	75	72	68	44	19	A-7-6(12)	S901	24.1
13.65	16 LT	0-5	BR/RD	79	70	62	58	54	40	17	A-6(7)	S902	20
13.9	05 RT	0-4.5Z	GR/BR	97	90	72	62	55	26	08	A-4(2)	S903	4.1
13.9	16 RT	0-4Z	GR/BR	93	84	68	58	51	27	08	A-4(1)	S904	7.5
14.15	05 LT	0-5	BR/RD	95	88	79	74	69	37	14	A-6(8)	S905	16.1
14.15	16 LT	0-5	BROWN	94	85	72	65	56	25	08	A-4(2)	S906	12.2
14.40	05 RT	0-5	BROWN	99	94	83	77	70	30	10	A-4(5)	S907	22.5
14.40	16 RT	0-5	BROWN	96	91	82	77	73	34	12	A-6(8)	S908	19.3
14.9	05 RT	0-5	BR/GR	97	94	88	82	73	33	13	A-6(8)	S909	16.2
14.9	16 RT	0-5	BR/RD	80	75	69	65	57	30	13	A-6(5)	S910	13.5
15.15	05 LT	0-3Z	BR/RD									S911	13.1
15.15	16 LT	0-3Z	BR/RD	86	80	73	66	55	25	08	A-4(2)	S912	12.9
15.4	05 RT	0-5	BR/GR	95	85	71	64	58	31	08	A-4(3)	S913	13.5
15.4	16 RT	0-5	BROWN	85	75	62	55	48	29	08	A-4(1)	S914	8.3
15.65	05 LT	0-5	BROWN	90	84	79	74	67	31	11	A-6(5)	S915	18.5
15.65	16 LT	0-5	BROWN	85	80	75	71	64	27	08	A-4(3)	S916	19.3
15.9	05 RT	0-5	GRAY	93	88	77	71	64	35	13	A-6(7)	S917	7
15.9	16 RT	0-3.5Z	GRAY	86	76	65	59	54	39	17	A-6(6)	S918	9.6
16.15	05 LT	0-3Z	RD/BR	95	85	73	67	61	30	11	A-6(4)	S919	12
16.15	16 LT	0-1Z	BR/RD									S920	8.3
16.4	05 RT	0-5	BR/GR	84	75	65	61	53	31	13	A-6(4)	S921	12.7
16.4	16 RT	0-5	BROWN	71	62	55	51	41	27	09	A-4(1)	S922	10.5
16.65	05 LT	0-3Z	BR/GR	94	83	69	63	55	36	14	A-6(5)	S923	10.8
16.65	16 LT	0-2Z	BR/GR	97	86	71	66	61	34	13	A-6(6)	S924	7.8
16.9	05 RT	0-4Z	BR/GR	87	76	62	56	48	28	13	A-6(3)	S925	6.3

STA.#	LOC.	DEPTH	COLOR						L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				#4	#10	#40	#80	#200					
				S	I	E	V	E	S				
16.9	16 RT	0-2.5Z	GRAY	91	79	63	56	50	29	09	A-4(2)	S926	5.2
17.15	05 LT	0-3Z	RD/BR	91	80	68	63	54	31	11	A-6(3)	S927	16.5
17.15	16 LT	0-3Z	RD/BR	88	79	68	63	55	31	11	A-6(4)	S928	10.7
17.4	05 RT	0-5	BR/GR	93	89	83	79	72	35	16	A-6(10)	S929	10.4

JOB: 061561

Arkansas State Highway Transportation Department

DATE TESTED

JOB NAME: HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)

Materials Division

1/29/2018

COUNTY NO. 62

Michael Benson, Materials Engineer

STA.# LOC.

PAVEMENT SOUNDINGS

0.05	05 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	3.75W	4.0				
0.05	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
0.30	05 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	6.5W	5.0				
0.30	16 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
0.55	05 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	3.75W	4.0				
0.55	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
0.80	05 LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	
		1.125	.125	1.75	.125	3.5W	5.0	
0.80	16 LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	
0.05	05 RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	
			.125	3.75			4.0	
0.05	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
0.13	05 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	5.0W	5.0				
0.130	16 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
0.15	05 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	3.75W	5.0				
0.15	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
0.175	05 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.250	3.25W	5.0				
0.175	16 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
0.20	05 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	3.125W	4.0				

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

Wednesday, January 31, 2018

02.0	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
02.25	05 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	ACHMSC	AGG.BASE CRS CL-7	
		.125	6.0W	--	1.0	--	5.0	
02.25	16 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	ACHMSC	AGG.BASE CRS CL-7	
02.5	05 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMBC	ACHMSC	AGG.BASE CRS CL-7	
			2.125	.125		4.0WX	2.0	
02.5	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
02.75	05 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	4.5W	5.0				
02.75	16 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
03.0	05 RT	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7			
		1.5	.25	3.5W	5.0			
03.0	16 RT	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7			
03.25	05 LT	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7			
		1.0	.125	6.5W	5.0			
03.25	16 LT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7			
03.5	05 RT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7			
		.125	4.0W	1.5	4.0			
03.5	16 RT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7			
03.7	05 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	5.0W	4.0				
03.7	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
03.95	05 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.125	2.25W	5.0				
03.95	16 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
04.2	05 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				
		.25	4.0W	4.0				
04.2	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7				

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



04.45	05 LT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	5.0	
		.25	2.75W	---			
04.45	16 LT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	---	
		---	---	---			
04.8	05 RT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	3.0	
		.25	2.75W	2.0			
04.8	16 RT	ACHMSC	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	---	
		---	---	---			
05.05	05 LT	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	5.0
		1.0	.125	4.5W	3.0		
05.05	16 LT	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	---
		---	---	---			
05.3	05 RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7
		1.5	.25	1.0	.25	2.75W	4.0
05.3	16 RT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
05.55	05 LT	ACHMSC	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7
		---	.125	3.0WX	---	---	6.0
05.55	16 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	---	---	---
		---	---	---			
05.8	05 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	---	---	---
		.125	4.25WX	6.0			
05.8	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	---	---	---
		---	---	---			
06.05	05 LT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	5.0	
		.25	4.5W	1.5			
06.05	16 LT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	---	
		---	---	---			
06.3	05 RT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	5.0	
		.125	2.25W	1.125			
06.3	16 RT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	---	
		---	---	---			
06.55	05 LT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	5.0	
		.25	3.0WX	1.0			
06.55	16 LT	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	---	
		---	---	---			
06.8	05 RT	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	5.0
		1.0	.25	2.5W	---	---	

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

06.8	16 RT	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	ACHMBC	---	AGG. BASE CRS CL-7	---
07.05	05 LT	ACHMSC	---	CHIP SEAL	---	ACHMSC	3.0W	ACHMBC	1.0	AGG. BASE CRS CL-7	6.0
07.05	16 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG. BASE CRS CL-7	---
07.3	05 RT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	3.0W	AGG. BASE CRS CL-7	6.0
07.3	16 RT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG. BASE CRS CL-7	---
07.55	05 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMBC	---	AGG. BASE CRS CL-7	2.75
07.55	16 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMBC	---	AGG. BASE CRS CL-7	6.0
07.8	05 RT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMBC	1.0	AGG. BASE CRS CL-7	5.0
07.8	16 RT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG. BASE CRS CL-7	---
08.05	05 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	4.0W	AGG. BASE CRS CL-7	5.0
08.05	16 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG. BASE CRS CL-7	---
08.3	05 RT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	7.0W	AGG. BASE CRS CL-7	5.0
08.3	16 RT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG. BASE CRS CL-7	---
08.55	05 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	3.5W	AGG. BASE CRS CL-7	4.0
08.55	16 LT	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	ACHMBC	---	AGG. BASE CRS CL-7	---
08.8	05 RT	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	ACHMBC	1.25	AGG. BASE CRS CL-7	5.0
08.8	16 RT	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	ACHMBC	---	AGG. BASE CRS CL-7	---
09.05	05 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMBC	1.5	AGG. BASE CRS CL-7	4.0
09.05	16 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMBC	---	AGG. BASE CRS CL-7	---

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

STA# LOC.

PAVEMENT SOUNDINGS

STA#	LOC.	Material	Thickness	Material	Thickness	Material	Thickness	Material	Thickness	Material	Thickness	Material	Thickness
09.3	05 RT	CHIP SEAL	1.0	ACHMSC	.125	ACHMSC	3.5W	ACHMSC	6.0	ACHMSC	6.0	ACHMSC	6.0
09.3	16 RT	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG.BASE CRS CL-7	---	ACHMSC	---	AGG.BASE CRS CL-7	---
09.55	05 LT	ACHMSC	.75	CHIP SEAL	.125	ACHMSC	3.25W	AGG.BASE CRS CL-7	6.0	ACHMSC	---	AGG.BASE CRS CL-7	---
09.55	16 LT	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG.BASE CRS CL-7	---	ACHMSC	---	AGG.BASE CRS CL-7	---
09.8	05 RT	ACHMSC	2.5	CHIP SEAL	---	ACHMBC	1.0	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	5.0
09.8	16 RT	ACHMSC	---	CHIP SEAL	---	ACHMBC	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	---
10.05	05 LT	ACHMSC	4.75	CHIP SEAL	.25	ACHMBC	3.25	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	5.0
10.05	16 LT	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG.BASE CRS CL-7	---	ACHMSC	---	AGG.BASE CRS CL-7	---
10.3	05 RT	ACHMSC	1.0	CHIP SEAL	.125	ACHMSC	3.25	AGG.BASE CRS CL-7	6.0	ACHMSC	---	AGG.BASE CRS CL-7	---
10.3	16 RT	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	AGG.BASE CRS CL-7	---	ACHMSC	---	AGG.BASE CRS CL-7	---
10.55	05 LT	CHIP SEAL	.50	ACHMSC	4.5W	CHIP SEAL	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	5.0
10.55	16 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	---
10.8	05 RT	CHIP SEAL	---	ACHMSC	.75	CHIP SEAL	1.25	ACHMSC	2.50	ACHMSC	---	AGG.BASE CRS CL-7	5.0
10.8	16 RT	ACHMSC	---	AGG.BASE CRS CL-7	---	ACHMSC	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	---
11.05	05 LT	ACHMSC	3.25W	AGG.BASE CRS CL-7	6.0	ACHMSC	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	---
11.05	16 LT	ACHMSC	---	AGG.BASE CRS CL-7	---	ACHMSC	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	---
11.3	05 RT	ACHMSC	4.5W	AGG.BASE CRS CL-7	9.0	ACHMSC	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	---
11.3	16 RT	ACHMSC	---	AGG.BASE CRS CL-7	---	ACHMSC	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	---
11.55	05 LT	ACHMSC	3.5W	AGG.BASE CRS CL-7	6.0	ACHMSC	---	ACHMSC	---	ACHMSC	---	AGG.BASE CRS CL-7	---

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

11.55	16 LT	ACHMSC	---	AGG.BASE CRS CL-7	---				
11.8	05 RT	ACHMSC	4.0W	AGG.BASE CRS CL-7	6.0				
11.8	16 RT	ACHMSC	---	AGG.BASE CRS CL-7	---				
12.25	05 RT	ACHMSC	5.0W	ACHMBC	1.5	ACHMSC	AGG.BASE CRS CL-7	6.0	
12.25	16 RT	ACHMSC	---	ACHMBC	---	ACHMSC	AGG.BASE CRS CL-7	---	
12.9	05 RT	ACHMSC	2.0	ACHMBC	---	ACHMSC	AGG.BASE CRS CL-7	6.0	
12.9	16 RT	ACHMSC	---	ACHMSC	1.0	ACHMSC	AGG.BASE CRS CL-7	6.0	
13.15	05 LT	ACHMSC	---	ACHMSC	---	ACHMSC	AGG.BASE CRS CL-7	---	
13.15	16 LT	ACHMSC	---	ACHMSC	---	ACHMSC	AGG.BASE CRS CL-7	---	
13.4	05 RT	ACHMSC	2.5	ACHMSC	1.125	ACHMSC	ACHMBC	AGG.BASE CRS C	6.0
13.4	16 RT	ACHMSC	---	ACHMSC	---	ACHMSC	ACHMBC	AGG.BASE CRS C	---
13.65	05 LT	ACHMSC	---	CHIP SEAL	2.25	ACHMSC	ACHMBC	AGG.BASE CRS C	7.0
13.65	16 LT	ACHMSC	---	ACHMSC	---	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	---
13.9	05 RT	ACHMSC	.125	ACHMSC	.125	ACHMSC	AGG.BASE CRS CL-7	6.0	
13.9	16 RT	ACHMSC	3.5W	ACHMSC	.125	ACHMSC	AGG.BASE CRS CL-7	---	
14.15	05 LT	ACHMSC	.125	ACHMSC	2.25	ACHMSC	AGG.BASE CRS CL-7	6.0	
14.15	16 LT	ACHMSC	---	ACHMSC	---	ACHMSC	AGG.BASE CRS CL-7	---	
14.40	05 RT	ACHMSC	.125	ACHMSC	2.25	ACHMSC	AGG.BASE CRS CL-7	6.0	
14.40	16 RT	ACHMSC	---	ACHMSC	---	ACHMSC	AGG.BASE CRS CL-7	---	

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

Wednesday, January 31, 2018

14.9	05 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	2.0	.25	.75	.75	8.0
14.9	16 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
15.15	05 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	2.0	.25	.75	.75	8.0
15.15	16 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
15.4	05 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	2.25	.25	1.0	.75	8.0
15.4	16 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
15.65	05 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	2.25	.25	1.0	6.0	6.0
15.65	16 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
15.9	05 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	2.25	.25	---	1.5	5.0
15.9	16 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
16.15	05 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	7.0	.25	7.5	1.0	6.0
16.15	16 LT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
16.4	05 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	4.5W	6.0	---	---	---
16.4	16 RT	CHIP SEAL	ACHMSC	AGG.BASE CRS CL-7	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
16.65	05 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	2.0	.25	.75	6.0	6.0
16.65	16 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
16.9	05 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	5.0	---	---	6.0	6.0
16.9	16 RT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		---	---	---	---	---	---
17.15	05 LT	CHIP SEAL	ACHMSC	CHIP SEAL	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		.125	3.25	.25	.75	.75	6.0

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

STA.# LOC.

PAVEMENT SOUNDINGS

STA.#	LOC.	TEST	DEPTH	TEST	DEPTH	TEST	DEPTH	TEST	DEPTH
17.15	16 LT	CHIP SEAL	---	ACHMSC	---	CHIP SEAL	---	ACHMSC	---
17.4	05 RT	ACHMSC	3.5W	AGG.BASE CRS CL-7	6.0				

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

Wednesday, January 31, 2018

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/31/18 SEQUENCE NO. - 1  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173716	20173717	20173718
SAMPLE ID	S797	S798	S799
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	0.05	0.05	0.30
LOCATION	05 RT	16 RT	05 LT
DEPTH IN FEET	0-5	0-3Z	0-5
MAT'L COLOR	BROWN	BROWN	BR/RD
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 36 54.70	34 36 54.70	34 37 7.60
LONGITUDE DEG-MIN-SEC	92 46 9.20	92 46 9.10	92 46 6.70
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	-	100
3/8 IN.	95	100	99
NO. 4	89	98	93
NO. 10	81	92	86
NO. 40	70	76	77
NO. 80	64	65	73
NO. 200	59	54	69
LIQUID LIMIT	25	21	35
PLASTICITY INDEX	01	06	16
AASHTO SOIL	A-4(0)	A-4(0)	A-6(9)
UNIFIED SOIL			
% MOISTURE CONTENT	18.5	4.0	20.2
CHIP SEAL (IN)	.125	---	.125
ACHMSC (IN)	3.75W	---	6.5W
AGG.BASE CRS CL-7 (IN)	4.0	---	5.0

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/31/18 SEQUENCE NO. - 2  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173719	-	20173720	-	20173721
SAMPLE ID	-	S800	-	S801	-	S802
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	0.30	-	0.55	-	0.55
LOCATION	-	16 LT	-	05 RT	-	16 RT
DEPTH IN FEET	-	0-3.5Z	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	RED	-	RED
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 37 7.60	-	34 37 19.80	-	34 37 19.70
LONGITUDE DEG-MIN-SEC	-	92 46 6.90	-	92 46 1.10	-	92 46 1.00
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	99	-	98
	NO. 4		-	98	-	97
	NO. 10		-	97	-	96
	NO. 40		-	92	-	92
	NO. 80		-	87	-	89
	NO. 200		-	81	-	80
LIQUID LIMIT	-	34	-	45	-	43
PLASTICITY INDEX	-	14	-	23	-	23
AASHTO SOIL	-	A-6(7)	-	A-7-6(19)	-	A-7-6(18)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	12.0	-	15.8	-	15.3
CHIP SEAL (IN)	-	---	-	.125	-	---
ACHMSC (IN)	-	---	-	3.75W	-	---
AGG.BASE CRS CL-7 (IN)	-	---	-	4.0	-	---
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

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

AASHTO TESTS : T24 T88 T89 T90 T265  
:



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 3  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173722	20173723	20173724
SAMPLE ID	S803	S804	S805
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	0.80	0.80	01.05
LOCATION	05 LT	16 LT	05 RT
DEPTH IN FEET	0-2.5Z	0-5	0-5
MAT'L COLOR	BROWN	BROWN	RD/BR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 37 32.30	34 37 32.10	34 37 40.50
LONGITUDE DEG-MIN-SEC	92 46 1.90	92 46 2.10	92 46 1.70
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.	100	100	100
3/8 IN.	98	99	99
NO. 4	95	88	95
NO. 10	89	80	91
NO. 40	80	72	85
NO. 80	74	68	82
NO. 200	69	62	78
LIQUID LIMIT	36	ND	36
PLASTICITY INDEX	17	NP	16
AASHTO SOIL	A-6(10)	A-4(0)	A-6(12)
UNIFIED SOIL			
% MOISTURE CONTENT	21.2	12.2	20.1
ACHMSC (IN)	1.125	---	---
CHIP SEAL (IN)	.125	---	.125
ACHMSC (IN)	1.75	---	3.75
CHIP SEAL (IN)	.125	---	---
ACHMSC (IN)	3.5W	---	---
AGG.BASE CRS CL-7 (IN)	5.0	---	4.0

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 4  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173725	-	20173726	-	20173727
SAMPLE ID	-	S806	-	S807	-	S808
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	01.05	-	01.3	-	01.30
LOCATION	-	16 RT	-	05 LT	-	16 LT
DEPTH IN FEET	-	0-5	-	0-2Z	-	0-5
MAT'L COLOR	-	RD/BR	-	RD/BR	-	RD/BR
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	34 37 45.00	-	34 37 57.80	-	34 37 57.80
LONGITUDE DEG-MIN-SEC	-	92 46 1.20	-	92 45 58.60	-	92 45 58.70
% PASSING	2	IN.	-	-	-	-
	1 1/2	IN.	-	-	-	-
	3/4	IN.	-	100	-	100
	3/8	IN.	-	99	-	92
	NO. 4	-	-	95	-	82
	NO. 10	-	-	89	-	75
	NO. 40	-	-	83	-	63
	NO. 80	-	-	86	-	57
	NO. 200	-	-	76	-	49
LIQUID LIMIT	-	ND	-	26	-	28
PLASTICITY INDEX	-	NP	-	10	-	11
AASHTO SOIL	-	A-4 (0)	-	A-4 (3)	-	A-6 (2)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	12.8	-	14.4	-	9.1
CHIP SEAL	(IN)	---	-	.125	-	---
ACHMSC	(IN)	---	-	5.0W	-	---
AGG.BASE CRS CL-7	(IN)	---	-	5.0	-	---
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 5  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173728	-	20173729	-	20173730
SAMPLE ID	-	S809	-	S810	-	S811
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	01.5	-	01.5	-	01.75
LOCATION	-	05 RT	-	16 RT	-	05 LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	RD/BR	-	BROWN	-	RD/BR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 38 7.80	-	34 38 7.70	-	34 38 19.90
LONGITUDE DEG-MIN-SEC	-	92 46 3.20	-	92 46 3.00	-	92 46 8.90
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	100
	3/8	IN.	-	100	-	99
	NO. 4		-	95	-	93
	NO. 10		-	91	-	82
	NO. 40		-	85	-	67
	NO. 80		-	80	-	59
	NO. 200		-	70	-	51
LIQUID LIMIT	-	45	-	30	-	19
PLASTICITY INDEX	-	20	-	11	-	04
AASHTO SOIL	-	A-7-6(14)	-	A-6(6)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	22.2	-	15.6	-	7.7
CHIP SEAL (IN)	-	.125	-	---	-	.250
ACHMSC (IN)	-	3.75W	-	---	-	3.25W
AGG.BASE CRS CL-7 (IN)	-	5.0	-	---	-	5.0
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, 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 - 01/31/18 SEQUENCE NO. - 6  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173731	-	20173732	-	20173733
SAMPLE ID	-	S812	-	S813	-	S814
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	01.75	-	02.0	-	02.0
LOCATION	-	16 LT	-	05 RT	-	16 RT
DEPTH IN FEET	-	0-2.5Z	-	0-5	-	0-5
MAT'L COLOR	-	RD/BR	-	RD/BR	-	BR/RD
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 38 19.90	-	34 38 31.40	-	34 38 31.30
LONGITUDE DEG-MIN-SEC	-	92 46 9.10	-	92 46 16.60	-	92 46 16.50
% PASSING	2 IN.	-	-	-	-	-
	1 1/2 IN.	-	-	-	-	-
	3/4 IN.	- 100	-	-	-	100
	3/8 IN.	- 98	-	100	-	99
	NO. 4	- 90	-	99	-	97
	NO. 10	- 82	-	98	-	95
	NO. 40	- 68	-	93	-	91
	NO. 80	- 62	-	90	-	88
	NO. 200	- 54	-	85	-	82
LIQUID LIMIT	-	22	-	49	-	41
PLASTICITY INDEX	-	07	-	22	-	19
AASHTO SOIL	-	A-4 (1)	-	A-7-6 (21)	-	A-7-6 (16)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	6.6	-	24.7	-	17.6
CHIP SEAL (IN)	-	---	-	.125	-	---
ACHMSC (IN)	-	---	-	3.125W	-	---
AGG.BASE CRS CL-7 (IN)	-	---	-	4.0	-	---
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 9  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173740	20173741	20173742
SAMPLE ID	S821	S822	S823
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	03.0	03.0	03.25
LOCATION	05 RT	16 RT	05 LT
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	34 39 16.30	34 39 16.10	34 39 28.70
LONGITUDE DEG-MIN-SEC	92 46 46.10	92 46 46.00	92 46 46.40
% PASSING			
2 IN.	3		
1 1/2 IN.			
3/4 IN.	100		
3/8 IN.	98	100	100
NO. 4	89	96	96
NO. 10	78	88	88
NO. 40	75	76	75
NO. 80	74	71	68
NO. 200	68	64	61
LIQUID LIMIT	31	38	42
PLASTICITY INDEX	13	18	20
AASHTO SOIL	A-6 (7)	A-6 (9)	A-7-6 (10)
UNIFIED SOIL			
% MOISTURE CONTENT	12.3	14.2	18.6
ACHMSC (IN)	1.5		1.0
CHIP SEAL (IN)	.25		.125
ACHMSC (IN)	3.5W		6.5W
AGG.BASE CRS CL-7 (IN)	5.0		5.0

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 10  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173743	20173744	20173745
SAMPLE ID	S824	S825	S826
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	03.25	03.5	03.5
LOCATION	16 LT	05 RT	16 RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BR/GR	BR/GR	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 39 28.50	34 39 41.60	34 39 41.50
LONGITUDE DEG-MIN-SEC	92 46 46.60	92 46 43.70	92 46 43.70
% PASSING			
2 IN.			
1 1/2 IN.			100
3/4 IN.	100	100	93
3/8 IN.	97	99	91
NO. 4	95	89	81
NO. 10	87	79	70
NO. 40	75	66	57
NO. 80	69	60	52
NO. 200	63	54	46
LIQUID LIMIT	41	31	34
PLASTICITY INDEX	21	12	13
AASHTO SOIL	A-7-6(11)	A-6(4)	A-6(3)
UNIFIED SOIL			
% MOISTURE CONTENT	11.1	18.9	14.5
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	4.0W	---
ACHMBC (IN)	---	1.5	---
AGG.BASE CRS CL-7 (IN)	---	4.0	---

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 12  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173749	-	20173750	-	20173751
SAMPLE ID	-	S830	-	S831	-	S832
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	03.95	-	04.2	-	04.2
LOCATION	-	16 LT	-	05 RT	-	16 RT
DEPTH IN FEET	-	0-5	-	0-3.5Z	-	0-3Z
MAT'L COLOR	-	RD/BR	-	RD/BR	-	RD/BR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 40 .60	-	34 40 13.20	-	34 40 13.30
LONGITUDE DEG-MIN-SEC	-	92 46 54.90	-	92 46 55.90	-	92 46 55.90
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	98	-	96
	NO. 4	-	-	95	-	90
	NO. 10	-	-	86	-	81
	NO. 40	-	-	74	-	67
	NO. 80	-	-	68	-	61
	NO. 200	-	-	62	-	55
LIQUID LIMIT	-	40	-	30	-	26
PLASTICITY INDEX	-	19	-	14	-	08
AASHTO SOIL	-	A-6(10)	-	A-6(5)	-	A-4(2)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	19.5	-	10.2	-	8.7
CHIP SEAL	(IN)	-	-	.25	-	---
ACHMSC	(IN)	-	-	4.0W	-	---
AGG.BASE CRS CL-7	(IN)	-	-	4.0	-	---

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 13  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173752	20173753	20173754
SAMPLE ID	S833	S834	S835
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	04.45	04.45	04.8
LOCATION	05 LT	16 LT	05 RT
DEPTH IN FEET	0-3Z	0-3Z	0-3Z
MAT'L COLOR	RD/BR	RD/BR	BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	34 40 25.80	34 40 25.70	34 40 43.90
LONGITUDE DEG-MIN-SEC	92 46 53.10	92 46 53.30	92 46 52.90
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	100	-
3/8 IN.	99	98	100
NO. 4	93	91	96
NO. 10	81	81	80
NO. 40	66	65	55
NO. 80	58	58	45
NO. 200	54	53	39
LIQUID LIMIT	30	27	27
PLASTICITY INDEX	13	11	10
AASHTO SOIL	A-6 (4)	A-6 (3)	A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	10.8	8.5	5.0
CHIP SEAL (IN)	.25	---	.25
ACHMSC (IN)	2.75W	---	2.75W
ACHMBC (IN)	---	---	2.0
AGG.BASE CRS CL-7 (IN)	5.0	---	3.0
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 14  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173755	20173756	20173757
SAMPLE ID	S836	S837	S838
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	04.8	05.05	05.05
LOCATION	16 RT	05 LT	16 LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BR/GR	GRAY	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 40 43.70	34 40 55.80	34 40 55.80
LONGITUDE DEG-MIN-SEC	92 46 52.90	92 46 46.00	92 46 46.10
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.		100	
3/8 IN.	100	98	100
NO. 4	99	95	98
NO. 10	92	91	96
NO. 40	74	84	92
NO. 80	66	81	90
NO. 200	61	76	86
LIQUID LIMIT	33	36	34
PLASTICITY INDEX	11	20	17
AASHTO SOIL	A-6(5)	A-6(13)	A-6(14)
UNIFIED SOIL			
% MOISTURE CONTENT	10.7	18.2	19.7
ACHMSC (IN)	---	1.0	---
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	4.5W	---
ACHMBC (IN)	---	3.0	---
AGG.BASE CRS CL-7 (IN)	---	5.0	---

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 15  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173758	-	20173759	-	20173760
SAMPLE ID	-	S839	-	S840	-	S841
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	05.3	-	05.3	-	05.55
LOCATION	-	05 RT	-	16 RT	-	05 LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BR/GR	-	BR/GR	-	BR/RD
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 41 1.70	-	34 41 1.70	-	34 41 13.40
LONGITUDE DEG-MIN-SEC	-	92 46 33.00	-	92 46 33.00	-	92 46 28.20
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	
	3/8	IN.	-	98	-	100
	NO. 4		-	87	-	98
	NO. 10		-	74	-	94
	NO. 40		-	58	-	86
	NO. 80		-	53	-	82
	NO. 200		-	48	-	77
LIQUID LIMIT	-	32	-	33	-	37
PLASTICITY INDEX	-	15	-	15	-	21
AASHTO SOIL	-	A-6(4)	-	A-6(5)	-	A-6(15)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	11.4	-	9.9	-	14.8
ACHMSC	(IN)	1.5	-	---	-	---
CHIP SEAL	(IN)	.25	-	---	-	.125
ACHMSC	(IN)	1.0	-	---	-	3.0WX
CHIP SEAL	(IN)	.25	-	---	-	---
ACHMSC	(IN)	2.75W	-	---	-	---
AGG.BASE CRS CL-7	(IN)	4.0	-	---	-	6.0
			-		-	
			-		-	
			-		-	

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 16  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173761	-	20173762	-	20173763
SAMPLE ID	-	S842	-	S843	-	S844
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	05.55	-	05.8	-	05.8
LOCATION	-	16 LT	-	05 RT	-	16 RT
DEPTH IN FEET	-	0-2Z	-	0-5	-	0-5
MAT'L COLOR	-	BR/GR	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 41 13.30	-	34 41 26.00	-	34 41 26.00
LONGITUDE DEG-MIN-SEC	-	92 46 28.30	-	92 46 24.90	-	92 46 24.90
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	97	-	98
	NO. 4		-	83	-	87
	NO. 10		-	71	-	80
	NO. 40		-	57	-	70
	NO. 80		-	52	-	66
	NO. 200		-	48	-	63
LIQUID LIMIT	-	28	-	ND	-	28
PLASTICITY INDEX	-	10	-	NP	-	09
AASHTO SOIL	-	A-4 (2)	-	A-4 (0)	-	A-4 (3)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	9.2	-	17.2	-	7.8
CHIP SEAL	(IN)	---	-	.125	-	---
ACHMSC	(IN)	---	-	4.25WX	-	---
AGG.BASE CRS CL-7	(IN)	---	-	6.0	-	---
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 17  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173764	20173765	20173766
SAMPLE ID	S845	S846	S847
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	06.05	06.05	06.3
LOCATION	05 LT	16 LT	05 RT
DEPTH IN FEET	0-5	0-5	0-3.5Z
MAT'L COLOR	BR/GR	BR/GR	BR/GR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 41 37.70	34 41 37.70	34 41 45.90
LONGITUDE DEG-MIN-SEC	92 46 18.90	92 46 18.90	92 46 6.50
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.	100		
3/8 IN.	99	100	100
NO. 4	97	94	96
NO. 10	93	85	87
NO. 40	85	69	73
NO. 80	81	61	68
NO. 200	73	56	63
LIQUID LIMIT	38	34	29
PLASTICITY INDEX	16	12	11
AASHTO SOIL	A-6(11)	A-6(4)	A-6(5)
UNIFIED SOIL			
% MOISTURE CONTENT	27.1	11.0	11.1
CHIP SEAL (IN)	.25	---	.125
ACHMSC (IN)	4.5W	---	2.25W
ACHMBC (IN)	1.5	---	1.125
AGG.BASE CRS CL-7 (IN)	5.0	---	5.0

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 18  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173767	-	20173768	-	20173769
SAMPLE ID	-	S848	-	S849	-	S850
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	06.3	-	06.55	-	06.55
LOCATION	-	16 RT	-	05 LT	-	16 LT
DEPTH IN FEET	-	0-5	-	0-4.5Z	-	0-5
MAT'L COLOR	-	BR/GR	-	BR/GR	-	BR/GR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 41 45.90	-	34 41 54.60	-	34 41 54.60
LONGITUDE DEG-MIN-SEC	-	92 46 6.70	-	92 45 54.90	-	92 45 55.10
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	97	-	97
	NO. 4		-	94	-	89
	NO. 10		-	86	-	81
	NO. 40		-	74	-	68
	NO. 80		-	69	-	61
	NO. 200		-	64	-	56
LIQUID LIMIT	-	30	-	31	-	33
PLASTICITY INDEX	-	12	-	13	-	11
AASHTO SOIL	-	A-6(5)	-	A-6(8)	-	A-6(4)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	12.3	-	8.2	-	12.7
CHIP SEAL	(IN)	-	-	.25	-	----
ACHMSC	(IN)	-	-	3.0WX	-	----
ACHMBC	(IN)	-	-	1.0	-	----
AGG.BASE CRS CL-7	(IN)	-	-	5.0	-	--
		-	-		-	
		-	-		-	
		-	-		-	
		-	-		-	
		-	-		-	
		-	-		-	

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 19  
JOB NUMBER - 061561 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTRY/STATE - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173770	20173771	20173772
SAMPLE ID	S851	S852	S853
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	06.8	06.8	07.05
LOCATION	05 RT	16 RT	05 LT
DEPTH IN FEET	0-5	0-4Z	0-5
MAT'L COLOR	BR/GR	BR/GR	BR/GR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 42 5.60	34 42 5.50	34 42 17.30
LONGITUDE DEG-MIN-SEC	92 45 46.40	92 45 46.50	92 45 37.60
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.	100	100	100
NO. 4	96	94	94
NO. 10	90	82	85
NO. 40	79	68	72
NO. 80	72	58	66
NO. 200	67	50	61
LIQUID LIMIT	31	ND	28
PLASTICITY INDEX	11	NP	10
AASHTO SOIL	A-6(5)	A-4(0)	A-4(4)
UNIFIED SOIL			
% MOISTURE CONTENT	14.1	7.8	13.6
ACHMSC (IN)	1.0	---	---
CHIP SEAL (IN)	.25	---	.125
ACHMSC (IN)	2.5W	---	3.0W
ACHMBC (IN)	---	---	1.0
AGG. BASE CRS CL-7 (IN)	5.0	---	6.0

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/17/18 SEQUENCE NO. - 20  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED -  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173773	20173774	20173775
SAMPLE ID	S854	S855	S856
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	07.05	07.3	07.3
LOCATION	16 LT	05 RT	16 RT
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	34 42 17.10	34 42 28.60	34 42 28.50
LONGITUDE DEG-MIN-SEC	92 45 38.00	92 45 32.50	92 45 32.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	-	100
3/8 IN.	99	-	99
NO. 4	92	100	97
NO. 10	92	96	94
NO. 40	65	84	88
NO. 80	59	78	85
NO. 200	54	72	83
LIQUID LIMIT	29	39	46
PLASTICITY INDEX	10	16	23
AASHTO SOIL	A-4 (3)	A-6 (11)	A-7-6 (20)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	20.3	16.1	24.6
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	2.125	---
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	3.0W	---
AGG. BASE CRS CL-7 (IN)	---	6.0	---
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 21  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173776	20173777	20173778
SAMPLE ID	S857	S858	S859
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	07.55	07.55	07.8
LOCATION	05 LT	16 LT	05 RT
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	34 42 41.00	34 42 40.80	34 42 53.30
LONGITUDE DEG-MIN-SEC	92 45 36.70	92 45 36.80	92 45 41.50
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	-	100
3/8 IN.	99	100	98
NO. 4	93	94	90
NO. 10	83	83	80
NO. 40	69	68	69
NO. 80	63	61	65
NO. 200	58	57	61
LIQUID LIMIT	32	33	36
PLASTICITY INDEX	14	14	18
AASHTO SOIL	A-6(5)	A-6(5)	A-6(8)
UNIFIED SOIL			
% MOISTURE CONTENT	11.8	11.9	16.7
CHIP SEAL (IN)	.125	---	.125
ACHMSC (IN)	2.5	---	2.0W
CHIP SEAL (IN)	.25	---	---
ACHMBC (IN)	---	---	1.0
ACHMSC (IN)	2.75	---	---
AGG. BASE CRS CL-7 (IN)	6.0	---	5.0

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



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 22  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173779	20173780	20173781
SAMPLE ID	S860	S861	S862
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	07.8	08.05	08.05
LOCATION	16 RT	05 LT	16 LT
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	34 42 53.20	34 43 6.20	34 43 6.10
LONGITUDE DEG-MIN-SEC	92 45 41.40	92 45 42.20	92 45 42.40
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.			100
3/8 IN.	100	100	99
NO. 4	98	95	95
NO. 10	92	87	89
NO. 40	80	74	79
NO. 80	76	68	75
NO. 200	72	63	71
LIQUID LIMIT	31	34	44
PLASTICITY INDEX	13	12	21
AASHTO SOIL	A-6 (7)	A-6 (6)	A-7-6 (14)
UNIFIED SOIL			
% MOISTURE CONTENT	11.3	14.6	19.2
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	1.75	---
CHIP SEAL (IN)	---	.25	---
ACHMSC (IN)	---	4.0W	---
AGG.BASE CRS CL-7 (IN)	---	5.0	---

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/31/18 SEQUENCE NO. - 23  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173782	20173783	20173784
SAMPLE ID	S863	S864	S865
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	08.3	08.3	08.55
LOCATION	05 RT	16 RT	05 LT
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	34 43 19.10	34 43 19.10	34 43 32.10
LONGITUDE DEG-MIN-SEC	92 45 41.40	92 45 41.30	92 45 42.90
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	-	-
3/8 IN.	100	100	100
NO. 4	99	99	95
NO. 10	95	96	86
NO. 40	84	88	73
NO. 80	79	84	68
NO. 200	75	81	64
LIQUID LIMIT	38	47	34
PLASTICITY INDEX	15	22	13
AASHTO SOIL	A-6(11)	A-7-6(19)	A-6(6)
UNIFIED SOIL			
% MOISTURE CONTENT	18.4	23.1	18.6
CHIP SEAL (IN)	.125	---	---
ACHMSC (IN)	7.0W	---	.75
CHIP SEAL (IN)	---	---	.125
ACHMSC (IN)	---	---	3.5W
AGG. BASE CRS CL-7 (IN)	5.0	---	4.0

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 24  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173785	-	20173786	-	20173787
SAMPLE ID	-	S866	-	S867	-	S868
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	08.55	-	08.8	-	08.8
LOCATION	-	16 LT	-	05 RT	-	16 RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BR/GR	-	BR/RD	-	BR/RD
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 43 32.00	-	34 43 44.50	-	34 43 44.40
LONGITUDE DEG-MIN-SEC	-	92 45 43.00	-	92 45 47.70	-	92 45 47.60
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	98	-	98
	NO. 4		-	85	-	93
	NO. 10		-	73	-	87
	NO. 40		-	59	-	76
	NO. 80		-	54	-	73
	NO. 200		-	50	-	69
LIQUID LIMIT	-	33	-	33	-	33
PLASTICITY INDEX	-	12	-	16	-	16
AASHTO SOIL	-	A-6(3)	-	A-6(12)	-	A-6(9)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	19.7	-	29.9	-	13.7
ACHMSC	(IN)	---	-	1.25	-	---
CHIP SEAL	(IN)	---	-	.50	-	---
ACHMSC	(IN)	---	-	3.0	-	---
ACHMBC	(IN)	---	-	1.25	-	---
AGG.BASE CRS CL-7	(IN)	---	-	5.0	-	---
			-		-	
			-		-	
			-		-	
			-		-	

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 25  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173788	-	20173789	-	20173790
SAMPLE ID	-	S869	-	S870	-	S871
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	09.05	-	09.05	-	09.3
LOCATION	-	05 LT	-	16 LT	-	05 RT
DEPTH IN FEET	-	0-5	-	0-3Z	-	0-5
MAT'L COLOR	-	BR/GR	-	BR/GR	-	BR/GR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 43 57.50	-	34 43 57.40	-	34 44 10.60
LONGITUDE DEG-MIN-SEC	-	92 45 47.80	-	92 45 47.90	-	92 45 45.70
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	
	3/8	IN.	-	97	-	100
	NO. 4		-	90	-	96
	NO. 10		-	78	-	87
	NO. 40		-	63	-	74
	NO. 80		-	58	-	70
	NO. 200		-	54	-	66
LIQUID LIMIT	-	26	-	27	-	45
PLASTICITY INDEX	-	09	-	09	-	22
AASHTO SOIL	-	A-4 (2)	-	A-4 (2)	-	A-7-5 (14)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	7.3	-	9.2	-	13.5
CHIP SEAL	(IN)	.125	-	---	-	---
ACHMSC	(IN)	1.0W	-	---	-	1.0
CHIP SEAL	(IN)	---	-	---	-	.125
ACHMBC	(IN)	1.5	-	---	-	---
ACHMSC	(IN)	---	-	---	-	3.5W
AGG. BASE CRS CL-7	(IN)	4.0	-	---	-	6.0
			-		-	
			-		-	
			-		-	

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 26  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173791	-	20173792	-	20173793
SAMPLE ID	-	S872	-	S873	-	S874
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	09.3	-	09.55	-	09.55
LOCATION	-	16 RT	-	05 LT	-	16 LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BR/GR	-	BR/GR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 44 10.40	-	34 44 22.60	-	34 44 22.60
LONGITUDE DEG-MIN-SEC	-	92 45 45.80	-	92 45 40.90	-	92 45 40.90
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	100
	3/8	IN.	-	100	-	98
	NO. 4	-		98	-	89
	NO. 10	-		90	-	74
	NO. 40	-		70	-	54
	NO. 80	-		63	-	46
	NO. 200	-		58	-	42
LIQUID LIMIT	-	35	-	31	-	28
PLASTICITY INDEX	-	15	-	09	-	08
AASHTO SOIL	-	A-6(5)	-	A-4(3)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	16.1	-	14.7	-	5.0
ACHMSC	(IN)	---	-	.75	-	---
CHIP SEAL	(IN)	---	-	.125	-	---
ACHMSC	(IN)	---	-	3.25W	-	---
AGG.BASE CRS CL-7	(IN)	---	-	6.0	-	---
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 27  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173794	20173795	20173796
SAMPLE ID	S875	S876	S877
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	09.8	09.8	10.05
LOCATION	05 RT	16 RT	05 LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BR/GR	BR/GR	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 44 35.40	34 44 35.20	34 44 48.50
LONGITUDE DEG-MIN-SEC	92 45 40.30	92 45 40.20	92 45 41.30
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	100	100
3/8 IN.	95	99	96
NO. 4	90	90	87
NO. 10	79	79	74
NO. 40	64	64	57
NO. 80	58	59	53
NO. 200	54	55	51
LIQUID LIMIT	33	31	31
PLASTICITY INDEX	11	08	11
AASHTO SOIL	A-6 (4)	A-4 (2)	A-6 (3)
UNIFIED SOIL			
% MOISTURE CONTENT	14.1	13.4	17.9
ACHMSC (IN)	2.5	---	4.75
CHIP SEAL (IN)	---	---	.25
ACHMBC (IN)	1.0	---	---
ACHMSC (IN)	---	---	3.25
AGG.BASE CRS CL-7 (IN)	5.0	---	5.0

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 28  
JOB NUMBER - 061561 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTRY/STATE - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173797	-	20173798	-	20173799
SAMPLE ID	-	S878	-	S879	-	S880
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	10.05	-	10.3	-	10.3
LOCATION	-	16 LT	-	05 RT	-	16 RT
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	-	34 44 48.50	-	34 45 1.80	-	34 45 1.60
LONGITUDE DEG-MIN-SEC	-	92 45 41.40	-	92 45 40.50	-	92 45 40.50
% PASSING						
2 IN.	-		-		-	
1 1/2 IN.	-		-		-	
3/4 IN.	-	100	-		-	100
3/8 IN.	-	99	-	100	-	96
NO. 4	-	95	-	94	-	85
NO. 10	-	86	-	80	-	72
NO. 40	-	72	-	63	-	58
NO. 80	-	67	-	56	-	52
NO. 200	-	64	-	52	-	49
LIQUID LIMIT	-	33	-	29	-	30
PLASTICITY INDEX	-	11	-	11	-	11
AASHTO SOIL	-	A-6(5)	-	A-6(3)	-	A-6(2)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	12.3	-	12.4	-	8.7
ACHMSC (IN)	-	---	-	1.0	-	---
CHIP SEAL (IN)	-	---	-	.125	-	---
ACHMSC (IN)	-	---	-	3.25	-	---
AGG.BASE CRS CL-7 (IN)	-	---	-	6.0	-	---
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	
-	-		-		-	

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/30/18	SEQUENCE NO.	- 29
JOB NUMBER	- 061561	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	- 62
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SALINE, COUNTY	DATE SAMPLED	- 12/13/17
SAMPLED BY	- FRAZIER/BATES	DATE RECEIVED	- 12/21/17
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/29/18
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20173800	- 20173801	- 20173802
SAMPLE ID	- S881	- S882	- S883
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 10.55	- 10.55	- 10.8
LOCATION	- 05 LT	- 16 LT	- 05 RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BR/GR	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 45 13.00	- 34 45 12.90	- 34 45 26.00
LONGITUDE DEG-MIN-SEC	- 92 45 48.40	- 92 45 48.40	- 92 45 51.70
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	-	-
	3/8 IN. - 98	- 100	- 100
	NO. 4 - 89	- 92	- 97
	NO. 10 - 78	- 81	- 89
	NO. 40 - 63	- 66	- 78
	NO. 80 - 58	- 60	- 76
	NO. 200 - 54	- 55	- 67
LIQUID LIMIT	- 31	- 32	- 38
PLASTICITY INDEX	- 12	- 12	- 17
AASHTO SOIL	- A-6(4)	- A-6(4)	- A-6(10)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 12.6	- 10.5	- 20.4
CHIP SEAL (IN)	- .50	- ---	- ---
ACHMSC (IN)	- 4.5W	- ---	- .75
CHIP SEAL (IN)	- ---	- ---	- 1.25
ACHMSC (IN)	- ---	- ---	- 2.50
AGG.BASE CRS CL-7 (IN)	- 5.0	- ---	- 5.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 30  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173803	-	20173804	-	20173805	
SAMPLE ID	-	S884	-	S885	-	S886	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY	
STATION	-	10.8	-	11.05	-	11.05	
LOCATION	-	16 RT	-	05 LT	-	16 LT	
DEPTH IN FEET	-	0-5	-	0-5	-	0-5	
MAT'L COLOR	-	BROWN	-	BR/GR	-	BR/GR	
MAT'L TYPE	-		-		-		
LATITUDE DEG-MIN-SEC	-	34 45 25.80	-	34 45 37.90	-	34 45 37.70	
LONGITUDE DEG-MIN-SEC	-	92 45 51.70	-	92 45 55.60	-	92 45 55.60	
% PASSING	2 IN.	-	-	-	-	-	
	1 1/2 IN.	-	-	-	-	-	
	3/4 IN.	-	100	-	100	-	
	3/8 IN.	-	97	-	98	-	
	NO. 4	-	87	-	86	-	
	NO. 10	-	73	-	72	-	
	NO. 40	-	58	-	59	-	
	NO. 80	-	54	-	54	-	
	NO. 200	-	51	-	50	-	
LIQUID LIMIT	-	32	-	32	-	34	
PLASTICITY INDEX	-	12	-	14	-	15	
AASHTO SOIL	-	A-6 (3)	-	A-6 (4)	-	A-6 (3)	
UNIFIED SOIL	-		-		-		
% MOISTURE CONTENT	-	15.0	-	14.5	-	12.9	
ACHMSC	(IN)	-	---	-	3.25WX	-	---
AGG.BASE CRS CL-7	(IN)	-	---	-	6.0	-	---
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 31  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173806	20173807	20173808
SAMPLE ID	S887	S888	S889
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	11.3	11.3	11.55
LOCATION	05 RT	16 RT	05 LT
DEPTH IN FEET	0-3.5Z	0-5	0-5
MAT'L COLOR	BR/GR	BR/GR	BR/RD
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 45 50.20	34 45 50.10	34 45 58.00
LONGITUDE DEG-MIN-SEC	92 45 59.90	92 45 59.90	92 45 56.40
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.		100	100
3/8 IN.	100	99	99
NO. 4	98	96	87
NO. 10	92	90	75
NO. 40	78	77	59
NO. 80	73	70	54
NO. 200	65	65	50
LIQUID LIMIT	31	29	35
PLASTICITY INDEX	12	12	15
AASHTO SOIL	A-6 (6)	A-6 (5)	A-6 (4)
UNIFIED SOIL			
% MOISTURE CONTENT	12.7	12.1	12.4
ACHMSC (IN)	4.5WX		3.5W
AGG.BASE CRS CL-7 (IN)	9.0		6.0

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/30/18	SEQUENCE NO.	- 32
JOB NUMBER	- 061561	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	- 62
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SALINE, COUNTY	DATE SAMPLED	- 12/13/17
SAMPLED BY	- FRAZIER/BATES	DATE RECEIVED	- 12/21/17
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/29/18
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20173809	- 20173810	- 20173811
SAMPLE ID	- S890	- S891	- S892
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 11.55	- 11.8	- 11.8
LOCATION	- 16 LT	- 05 RT	- 16 RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/RD	- BR/GR	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 46 2.10	- 34 46 11.50	- 34 46 11.40
LONGITUDE DEG-MIN-SEC	- 92 45 54.10	- 92 45 43.30	- 92 45 43.30
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	-	- 100
	3/8 IN. - 97	- 100	- 98
	NO. 4 - 94	- 96	- 89
	NO. 10 - 86	- 84	- 78
	NO. 40 - 73	- 67	- 62
	NO. 80 - 69	- 61	- 55
	NO. 200 - 65	- 58	- 52
LIQUID LIMIT	- 35	- 31	- 28
PLASTICITY INDEX	- 15	- 14	- 08
AASHTO SOIL	- A-6 (8)	- A-6 (5)	- A-4 (2)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 17.3	- 13.1	- 7.5
ACHMSC (IN)	- ---	- 4.0W	- ---
AGG.BASE CRS CL-7 (IN)	- ---	- 6.0	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/30/18	SEQUENCE NO.	- 33
JOB NUMBER	- 061561	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	- 62
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SALINE, COUNTY	DATE SAMPLED	- 12/13/17
SAMPLED BY	- FRAZIER/BATES	DATE RECEIVED	- 12/21/17
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/29/18
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		
LAB NUMBER	- 20173812	- 20173813	- 20173814
SAMPLE ID	- S893	- S894	- S895
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 12.25	- 12.25	- 12.9
LOCATION	- 05 RT	- 16 RT	- 05 RT
DEPTH IN FEET	- 0-4Z	- 0-5	- 0-2.5Z
MAT'L COLOR	- BR/RD	- BR/RD	- GR/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 46 29.30	- 34 46 29.20	- 34 47 1.60
LONGITUDE DEG-MIN-SEC	- 92 45 28.60	- 92 45 28.60	- 92 45 36.80
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	- 100	-
	3/8 IN. - 98	- 98	- 100
	NO. 4 - 96	- 93	- 88
	NO. 10 - 92	- 88	- 77
	NO. 40 - 82	- 80	- 61
	NO. 80 - 74	- 72	- 54
	NO. 200 - 66	- 63	- 46
LIQUID LIMIT	- 29	- 38	- 34
PLASTICITY INDEX	- 11	- 16	- 14
AASHTO SOIL	- A-6(5)	- A-6(8)	- A-6(3)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 16.5	- 16.4	- 8.5
ACHMSC	(IN) - 5.0W	- ---	- 2.0
ACHMBC	(IN) - 1.5	- ---	- ---
CHIP SEAL	(IN) - ---	- ---	- .125
ACHMSC	(IN) - ---	- ---	- 1.0
AGG.BASE CRS CL-7	(IN) - 6.0	- ---	- 6.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 34  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173815	20173816	20173817
SAMPLE ID	S896	S897	S898
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	12.9	13.15	13.15
LOCATION	16 RT	05 LT	16 LT
DEPTH IN FEET	0-1.5Z	0-2Z	0-3Z
MAT'L COLOR	RD/BR	RD/BR	RD/BR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 47 1.30	34 47 14.30	34 47 14.10
LONGITUDE DEG-MIN-SEC	92 45 36.80	92 45 39.60	92 45 39.80
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.	100	100	100
3/8 IN.	91	91	91
NO. 4	80	76	80
NO. 10	68	61	67
NO. 40	53	51	58
NO. 80	45	47	51
NO. 200	37	37	40
LIQUID LIMIT	ND	26	ND
PLASTICITY INDEX	NP	08	NP
AASHTO SOIL	A-4 (0)	A-4 (0)	A-4 (0)
UNIFIED SOIL			
% MOISTURE CONTENT	7.5	17.8	9.6
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	2.125	---
CHIP SEAL (IN)	---	.25	---
ACHMSC (IN)	---	.25	---
AGG.BASE CRS CL-7 (IN)	---	6.0	---

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 35  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173818	20173819	20173820
SAMPLE ID	S899	S900	S901
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	13.4	13.4	13.65
LOCATION	05 RT	16 RT	05 LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	GRAY	GRAY	BR/GR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 47 25.40	34 47 25.30	34 47 33.50
LONGITUDE DEG-MIN-SEC	92 45 46.50	92 45 46.30	92 45 59.50
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	100	100
3/8 IN.	99	98	99
NO. 4	95	89	92
NO. 10	86	82	82
NO. 40	69	71	75
NO. 80	63	65	72
NO. 200	56	60	68
LIQUID LIMIT	36	39	44
PLASTICITY INDEX	17	16	19
AASHTO SOIL	A-6(7)	A-6(8)	A-7-6(12)
UNIFIED SOIL			
% MOISTURE CONTENT	11.4	17.3	24.1
ACHMSC (IN)	2.5	---	---
CHIP SEAL (IN)	.125	---	.125
ACHMSC (IN)	1.125	---	2.25
CHIP SEAL (IN)	---	---	.25
ACHMSC (IN)	---	---	.75
ACHMBC (IN)	---	---	.75
AGG.BASE CRS CL-7 (IN)	6.0	---	7.0

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 36  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173821	20173822	20173823
SAMPLE ID	S902	S903	S904
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	13.65	13.9	13.9
LOCATION	16 LT	05 RT	16 RT
DEPTH IN FEET	0-5	0-4.5Z	0-4Z
MAT'L COLOR	BR/RD	GR/BR	GR/BR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 47 33.30	34 47 41.70	34 47 41.60
LONGITUDE DEG-MIN-SEC	92 45 59.40	92 46 10.90	92 46 10.80
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.	100		100
3/8 IN.	87	100	98
NO. 4	79	97	93
NO. 10	70	90	84
NO. 40	62	72	68
NO. 80	58	62	58
NO. 200	54	55	51
LIQUID LIMIT	40	26	27
PLASTICITY INDEX	17	08	08
AASHTO SOIL	A-6(7)	A-4(2)	A-4(1)
UNIFIED SOIL			
% MOISTURE CONTENT	20.0	4.1	7.5
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	3.5W	---
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	.50	---
ACHMBC (IN)	---	1.0	---
AGG.BASE CRS CL-7 (IN)	---	6.0	---

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 37  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173824	-	20173825	-	20173826
SAMPLE ID	-	S905	-	S906	-	S907
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	14.15	-	14.15	-	14.40
LOCATION	-	05 LT	-	16 LT	-	05 RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BR/RD	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 47 51.90	-	34 47 52.00	-	34 48 .60
LONGITUDE DEG-MIN-SEC	-	92 46 20.40	-	92 46 20.50	-	92 46 32.30
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	
	3/8	IN.	-	98	-	100
	NO. 4		-	95	-	99
	NO. 10		-	88	-	94
	NO. 40		-	79	-	83
	NO. 80		-	74	-	77
	NO. 200		-	69	-	70
LIQUID LIMIT	-	37	-	25	-	30
PLASTICITY INDEX	-	14	-	08	-	10
AASHTO SOIL	-	A-6 (8)	-	A-4 (2)	-	A-4 (5)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	16.1	-	12.2	-	22.5
CHIP SEAL	(IN)	.125	-	---	-	.125
ACHMSC	(IN)	2.25	-	---	-	2.25
CHIP SEAL	(IN)	.125	-	---	-	.125
ACHMSC	(IN)	2.0	-	---	-	2.0
ACHMBC	(IN)	1.0	-	---	-	---
AGG. BASE CRS CL-7	(IN)	6.0	-	---	-	6.0
			-		-	
			-		-	
			-		-	

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

AASHTO TESTS : T24 T88 T89 T90 T265



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/31/18 SEQUENCE NO. - 38  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173827	20173828	20173829
SAMPLE ID	S908	S909	S910
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	14.40	14.9	14.9
LOCATION	16 RT	05 RT	16 RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BR/GR	BR/RD
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 48 .50	34 48 23.20	34 48 23.10
LONGITUDE DEG-MIN-SEC	92 46 32.20	92 46 44.60	92 46 44.60
% PASSING			
2 IN.			
1 1/2 IN.			100
3/4 IN.	100		91
3/8 IN.	98	100	85
NO. 4	96	97	80
NO. 10	91	94	75
NO. 40	82	88	69
NO. 80	77	82	65
NO. 200	73	73	57
LIQUID LIMIT	34	33	30
PLASTICITY INDEX	12	13	13
AASHTO SOIL	A-6(8)	A-6(8)	A-6(5)
UNIFIED SOIL			
% MOISTURE CONTENT	19.3	16.2	13.5
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	2.0	---
CHIP SEAL (IN)	---	.25	---
ACHMSC (IN)	---	.75	---
ACHMBC (IN)	---	.75	---
AGG.BASE CRS CL-7 (IN)	---	8.0	---

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 39  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173830	20173831	20173832
SAMPLE ID	S911	S912	S913
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	15.15	15.15	15.4
LOCATION	05 LT	16 LT	05 RT
DEPTH IN FEET	0-3Z	0-3Z	0-5
MAT'L COLOR	BR/RD	BR/RD	BR/GR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 48 35.90	34 48 35.80	34 48 48.70
LONGITUDE DEG-MIN-SEC	92 46 48.60	92 46 48.80	92 46 50.00
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.		100	
3/8 IN.		92	100
NO. 4		86	95
NO. 10		80	85
NO. 40		73	71
NO. 80		66	64
NO. 200		55	58
LIQUID LIMIT		25	31
PLASTICITY INDEX		08	08
AASHTO SOIL		A-4 (2)	A-4 (3)
UNIFIED SOIL			
% MOISTURE CONTENT	13.1	12.9	13.5
CHIP SEAL (IN)	.125	---	.125
ACHMSC (IN)	2.0	---	2.25
CHIP SEAL (IN)	.25	---	.25
ACHMSC (IN)	.75	---	1.0
ACHMBC (IN)	.75	---	.75
AGG. BASE CRS CL-7 (IN)	8.0	---	8.0

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 40  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173833	20173834	20173835
SAMPLE ID	S914	S915	S916
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	15.4	15.65	15.65
LOCATION	16 RT	05 LT	16 LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 48 48.60	34 49 1.40	34 49 1.40
LONGITUDE DEG-MIN-SEC	92 46 50.00	92 46 46.30	92 46 46.40
% PASSING			
2 IN.			
1 1/2 IN.			100
3/4 IN.	100	100	96
3/8 IN.	95	96	91
NO. 4	85	90	85
NO. 10	75	84	80
NO. 40	62	79	75
NO. 80	55	74	71
NO. 200	48	67	64
LIQUID LIMIT	29	31	27
PLASTICITY INDEX	08	11	08
AASHTO SOIL	A-4 (1)	A-6 (5)	A-4 (3)
UNIFIED SOIL			
% MOISTURE CONTENT	8.3	18.5	19.3
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	2.25	---
CHIP SEAL (IN)	---	.25	---
ACHMSC (IN)	---	1.0	---
AGG.BASE CRS CL-7 (IN)	---	6.0	---

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 41  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173836	-	20173837	-	20173838
SAMPLE ID	-	S917	-	S918	-	S919
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	15.9	-	15.9	-	16.15
LOCATION	-	05 RT	-	16 RT	-	05 LT
DEPTH IN FEET	-	0-5	-	0-3.5Z	-	0-3Z
MAT'L COLOR	-	GRAY	-	GRAY	-	RD/BR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 49 14.40	-	34 49 14.30	-	34 49 26.90
LONGITUDE DEG-MIN-SEC	-	92 46 45.80	-	92 46 45.80	-	92 46 41.50
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	
	3/8	IN.	-	97	-	100
	NO. 4		-	93	-	100
	NO. 10		-	86	-	95
	NO. 40		-	88	-	85
	NO. 80		-	77	-	73
	NO. 200		-	71	-	67
			-	64	-	61
LIQUID LIMIT	-	35	-	39	-	30
PLASTICITY INDEX	-	13	-	17	-	11
AASHTO SOIL	-	A-6(7)	-	A-6(6)	-	A-6(4)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	7.0	-	9.6	-	12.0
CHIP SEAL	(IN)	.125	-	---	-	.125
ACHMSC	(IN)	2.25	-	---	-	7.0
CHIP SEAL	(IN)	.25	-	---	-	.25
ACHMSC	(IN)	---	-	---	-	.75
ACHMBC	(IN)	1.5	-	---	-	1.0
AGG.BASE CRS CL-7	(IN)	5.0	-	---	-	6.0
			-		-	
			-		-	
			-		-	

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 42  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173839	20173840	20173841
SAMPLE ID	S920	S921	S922
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	16.15	16.4	16.4
LOCATION	16 LT	05 RT	16 RT
DEPTH IN FEET	0-12	0-5	0-5
MAT'L COLOR	BR/RD	BR/GR	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 49 26.90	34 49 38.10	34 49 38.00
LONGITUDE DEG-MIN-SEC	92 46 41.70	92 46 33.30	92 46 33.40
% PASSING			
2 IN.			
1 1/2 IN.			100
3/4 IN.		100	78
3/8 IN.		91	78
NO. 4		84	71
NO. 10		75	62
NO. 40		65	55
NO. 80		61	51
NO. 200		53	41
LIQUID LIMIT		31	27
PLASTICITY INDEX		13	09
AASHTO SOIL		A-6(4)	A-4(1)
UNIFIED SOIL			
% MOISTURE CONTENT	8.3	12.7	10.5
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	4.5W	---
AGG.BASE CRS CL-7 (IN)	---	6.0	---

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 43  
JOB NUMBER - 061561 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 - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173842	20173843	20173844
SAMPLE ID	S923	S924	S925
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	16.65	16.65	16.9
LOCATION	05 LT	16 LT	05 RT
DEPTH IN FEET	0-3Z	0-2Z	0-4Z
MAT'L COLOR	BR/GR	BR/GR	BR/GR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 49 48.90	34 49 48.90	34 49 58.10
LONGITUDE DEG-MIN-SEC	92 46 24.60	92 46 24.80	92 46 13.50
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	-	100
3/8 IN.	100	100	95
NO. 4	94	97	87
NO. 10	83	86	76
NO. 40	69	71	62
NO. 80	63	66	56
NO. 200	55	61	48
LIQUID LIMIT	36	34	28
PLASTICITY INDEX	14	13	13
AASHTO SOIL	A-6(5)	A-6(6)	A-6(3)
UNIFIED SOIL			
% MOISTURE CONTENT	10.8	7.8	6.3
CHIP SEAL (IN)	.125	---	.125
ACHMSC (IN)	2.0	---	5.0
CHIP SEAL (IN)	.25	---	---
ACHMSC (IN)	.75	---	---
AGG. BASE CRS CL-7 (IN)	6.0	---	6.0

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 44  
 JOB NUMBER - 061561 MATERIAL CODE - SSRVPS  
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014  
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTRY/STATE - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20173845	20173846	20173847
SAMPLE ID	S926	S927	S928
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	16.9	17.15	17.15
LOCATION	16 RT	05 LT	16 LT
DEPTH IN FEET	0-2.5Z	0-3Z	0-3Z
MAT'L COLOR	GRAY	RD/BR	RD/BR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 49 58.00	34 50 8.40	34 50 8.20
LONGITUDE DEG-MIN-SEC	92 46 13.50	92 46 3.80	92 46 4.10
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.	100	100	100
3/8 IN.	98	98	95
NO. 4	91	91	88
NO. 10	79	80	79
NO. 40	63	68	68
NO. 80	56	63	63
NO. 200	50	54	55
LIQUID LIMIT	29	31	31
PLASTICITY INDEX	09	11	11
AASHTO SOIL	A-4(2)	A-6(3)	A-6(4)
UNIFIED SOIL			
% MOISTURE CONTENT	5.2	16.5	10.7
CHIP SEAL (IN)	---	.125	---
ACHMSC (IN)	---	3.25	---
CHIP SEAL (IN)	---	.25	---
ACHMSC (IN)	---	.75	---
ACHMBC (IN)	---	.75	---
AGG. BASE CRS CL-7 (IN)	---	6.0	---

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 01/30/18 SEQUENCE NO. - 45  
JOB NUMBER - 061561 MATERIAL CODE - SSRVPS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTRY/STATE - 62  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
SAMPLE FROM - TEST HOLE DATE TESTED - 01/29/18  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20173848	-	-
SAMPLE ID	-	S929	-	-
TEST STATUS	-	INFORMATION ONLY	-	-
STATION	-	17.4	-	-
LOCATION	-	05 RT	-	-
DEPTH IN FEET	-	0-5	-	-
MAT'L COLOR	-	BR/GR	-	-
MAT'L TYPE	-		-	-
LATITUDE DEG-MIN-SEC	-	34 50 21.90	-	-
LONGITUDE DEG-MIN-SEC	-	92 46 2.20	-	-
% PASSING	2 IN.		-	-
	1 1/2 IN.		-	-
	3/4 IN.	100	-	-
	3/8 IN.	97	-	-
	NO. 4	93	-	-
	NO. 10	89	-	-
	NO. 40	83	-	-
	NO. 80	79	-	-
	NO. 200	72	-	-
LIQUID LIMIT	-	35	-	-
PLASTICITY INDEX	-	16	-	-
AASHTO SOIL	-	A-6(10)	-	-
UNIFIED SOIL	-		-	-
% MOISTURE CONTENT	-	10.4	-	-
ACHMSC	(IN)	3.5W	-	-
AGG.BASE CRS CL-7	(IN)	6.0	-	-
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-

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

AASHTO TESTS : T24 T88 T89 T90 T265



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/22/18	SEQUENCE NO.	- 1
JOB NUMBER	- 061561	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	- 62
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SALINE, COUNTY	DATE SAMPLED	- 12/13/17
SAMPLED BY	- FRAZIER/BATES	DATE RECEIVED	- 12/21/17
SAMPLE FROM	- TEST HOLE	DATE TESTED	-
MATERIAL DESC.	- SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS		

LAB NUMBER	- 20173849	- 20173850	- 20173851	
SAMPLE ID	- RV930	- RV931	- RV932	
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY	
STATION	- 01.5	- 02.75	- 05.8	
LOCATION	- 16 RT	- 16 LT	- 16 RT	
DEPTH IN FEET	- 0-5	- 0-5	- 0-5	
MAT'L COLOR	- BROWN	- BROWN	- BROWN	
MAT'L TYPE	-	-	-	
LATITUDE DEG-MIN-SEC	- 34 38 7.70	- 34 39 3.70	- 34 41 26.00	
LONGITUDE DEG-MIN-SEC	- 92 46 3.00	- 92 46 42.80	- 92 46 24.90	
% PASSING	2 IN. -	-	-	
	1 1/2 IN. - 100	- 100	-	
	3/4 IN. - 94	- 91	- 100	
	3/8 IN. - 83	- 74	- 90	
	NO. 4 - 80	- 63	- 85	
	NO. 10 - 77	- 54	- 80	
	NO. 40 - 74	- 45	- 74	
	NO. 80 - 71	- 41	- 72	
	NO. 200 - 63	- 38	- 69	
LIQUID LIMIT	- 27	- 32	- 33	
PLASTICITY INDEX	- 07	- 13	- 13	
AASHTO SOIL	- A-4 (2)	- A-6 (1)	- A-6 (7)	
UNIFIED SOIL	-	-	-	
% MOISTURE CONTENT	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	

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

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AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/22/18	SEQUENCE NO.	- 2
JOB NUMBER	- 061561	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	- 62
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SALINE, COUNTY	DATE SAMPLED	- 12/13/17
SAMPLED BY	- FRAZIER/BATES	DATE RECEIVED	- 12/21/17
SAMPLE FROM	- TEST HOLE	DATE TESTED	-
MATERIAL DESC.	- SOIL SURVEY - RESISTANCE R-VALUE	ACTUAL RESULTS	

LAB NUMBER	- 20173852	- 20173853	- 20173854
SAMPLE ID	- RV933	- RV934	- RV935
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 07.05	- 09.8	- 11.05
LOCATION	- 16 LT	- 16 RT	- 16 LT
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	- 34 42 17.10	- 34 44 35.20	- 34 45 37.70
LONGITUDE DEG-MIN-SEC	- 92 45 38.00	- 92 45 40.20	- 92 45 55.60
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	- 100	-
	3/4 IN. - 100	- 93	- 100
	3/8 IN. - 91	- 77	- 79
	NO. 4 - 73	- 65	- 58
	NO. 10 - 61	- 52	- 48
	NO. 40 - 49	- 40	- 37
	NO. 80 - 45	- 37	- 34
	NO. 200 - 42	- 35	- 31
LIQUID LIMIT	- 26	- 31	- 36
PLASTICITY INDEX	- 07	- 10	- 16
AASHTO SOIL	- A-4 (0)	- A-2-4 (0)	- A-2-6 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED, 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 - 01/22/18 SEQUENCE NO. - 3  
 JOB NUMBER - 061561 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 - 62  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - HWY. 5 - PERRY CO. LINE (SAFETY IMPVTS.) (S)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - SALINE, COUNTY DATE SAMPLED - 12/13/17  
 SAMPLED BY - FRAZIER/BATES DATE RECEIVED - 12/21/17  
 SAMPLE FROM - TEST HOLE DATE TESTED -  
 MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS

LAB NUMBER	20173855	20173856	20173857
SAMPLE ID	RV936	RV937	RV938
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	12.25	14.40	15.65
LOCATION	16 RT	16 RT	16 LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BR/RD	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 46 29.20	34 48 .50	34 49 1.40
LONGITUDE DEG-MIN-SEC	92 45 28.60	92 46 32.20	92 46 46.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	100	100	100
3/4 IN.	89	91	91
3/8 IN.	87	73	84
NO. 4	85	67	79
NO. 10	83	60	75
NO. 40	79	53	72
NO. 80	73	49	70
NO. 200	65	44	64
LIQUID LIMIT	32	27	28
PLASTICITY INDEX	13	09	09
AASHTO SOIL	A-6 (6)	A-4 (1)	A-4 (4)
UNIFIED SOIL			
% MOISTURE CONTENT			

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

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