

ARKANSAS DEPARTMENT OF TRANSPORTATION



**SUBSURFACE INVESTIGATION**

STATE JOB NO. 061438

FEDERAL AID PROJECT NO. HSIP-0026(31)

BRYANT RD. – HWY. 298 WEST (SAFETY IMPVTS.) (SEL. SECS.) (S)

STATE HIGHWAY 7 SECTION 10

IN GARLAND COUNTY

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

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT**

March 10, 2016

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

**SUBJECT:** Job No. 061438  
Bryant Rd. – Hwy. 298 (Safety Impvts.)(Sel. Secs.) (S)  
Route 7 Section 10  
Garland County

Transmitted herewith are the requested Soil Survey, Strength Data, and Resilient Modulus test results for the above referenced job. The project consists of adding turning lanes, widening the shoulder and extending passing lanes at selected locations on Highway 7. Samples were obtained in the existing travel lanes, shoulders and ditch line.

Based on laboratory results of samples obtained, the subgrade soils consist primarily of low plasticity sandy clay with varying amounts of gravel and shale fragments. The subgrade soils are expected to provide a stable working platform with conventional processing if the weather is favorable during construction. Rock was encountered at several locations within the project limits. Table 1 below lists the location and depth to rock.

Table 1- Depth to Rock

Station	Location from Centerline	Depth (ft.)
178+00	6' Lt	4.0
219+00	6' Rt	3.5
491+00	12' Rt	3.0
499+00	24' Lt	3.0
524+00	18' Rt	3.0
603+00	6' Rt	3.5

The proposed cut slopes are acceptable as shown in the currently available cross-sections.

Between stations 480+00 to 493+00 is an embankment with an approximate height of 27 feet with a 2:1 slope configuration proposed. To achieve the 2:1 slope configuration the embankment must be constructed with rock fill. The remaining embankments may be constructed with locally available unspecified material utilizing a 3:1 slope configuration.

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 Malvern.

2. Asphalt Concrete Hot Mix

<u>Type</u>	<u>Asphalt Cement %</u>	<u>Mineral Aggregate %</u>
Surface Course	4.9	95.1
Binder Course	4.2	95.8
Base Course	3.8	96.2



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 - 02/24/2016  
JOB NUMBER - 061438

SEQUENCE NO. - 1  
MATERIAL CODE - SSRVPS  
SPEC. YEAR - 2014  
SUPPLIER ID. - 1  
COUNTY/STATE - 26  
DISTRICT NO. - 06

JOB NAME - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)

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

BEGIN JOB - END JOB 7

RESILIENT MODULUS	
STA.242+00	7688
STA.408+00	9326
STA.539+00	5242
STA.629+00	5289

REMARKS -  
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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>	061438	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	2/18/16	<b>Station No.:</b>	242+00
<b>Date Tested:</b>	February 18, 2016	<b>Location:</b>	21'LT
<b>Name of Project:</b>	BRYANT RD. - HWY.298		
<b>County:</b>	<b>Code:</b> 26	<b>Name:</b> GARLAND	
<b>Sampled By:</b>	DICKERSON	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20154288	<b>AASHTO Class:</b>	A-4(2)
<b>Sample ID:</b>	RV1044	<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
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8
Initial Area, Ao (sq. in):	12.13
Initial Volume, AoLo (cu. in):	97.01

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3195.00
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**4. Soil Properties:**

Optimum Moisture Content (%):	15.6
Maximum Dry Density (pcf):	110.3
95% of MDD (pcf):	104.8
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3195.00
Compaction Moisture content (%):	15.3
Compaction Wet Density (pcf):	125.49
Compaction Dry Density (pcf):	108.84
Moisture Content After Mr Test (%):	15.5

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

#VALUE!

**7. Resilient Modulus, Mr:**

11290(S<sub>c</sub>)<sup>-0.29160</sup>(S<sub>3</sub>)<sup>0.33701</sup>

**8. Comments**

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**9. Tested By:**

DT/GW

**Date:** February 18, 2016

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

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

**Job No.** 061438      **Material Code** SSRVPS  
**Date Sampled:** 2/18/16      **Station No.:** 242+00  
**Date Tested:** February 18, 2016      **Location:** 21'LT  
**Name of Project:** BRYANT RD. - HWY.298  
**County:** Code: 26      **Name:** GARLAND  
**Sampled By:** DICKERSON      **Depth:** 0-5  
**Lab No.:** 20154288      **AASHTO Class:** A-4(2)  
**Sample ID:** RV1044      **Material Type (1 or 2):** 2  
**LATTITUDE:** **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	24.9	22.2	2.7	2.1	1.8	0.2	0.00086	0.00011	16,962
Sequence 2	6.0	4.0	46.9	44.1	2.8	3.9	3.6	0.2	0.00195	0.00024	14,956
Sequence 3	6.0	6.0	69.2	65.6	3.6	5.7	5.4	0.3	0.00318	0.00040	13,620
Sequence 4	6.0	8.0	91.5	85.5	6.0	7.5	7.1	0.5	0.00482	0.00060	11,701
Sequence 5	6.0	10.0	113.2	104.7	8.5	9.3	8.6	0.7	0.00659	0.00082	10,479
Sequence 6	4.0	2.0	24.9	22.1	2.8	2.1	1.8	0.2	0.00102	0.00013	14,365
Sequence 7	4.0	4.0	46.3	43.5	2.8	3.8	3.6	0.2	0.00229	0.00029	12,526
Sequence 8	4.0	6.0	66.8	64.0	2.8	5.5	5.3	0.2	0.00380	0.00047	11,107
Sequence 9	4.0	8.0	88.9	83.8	5.1	7.3	6.9	0.4	0.00549	0.00069	10,069
Sequence 10	4.0	10.0	111.0	103.4	7.6	9.2	8.5	0.6	0.00736	0.00092	9,271
Sequence 11	2.0	2.0	24.6	21.9	2.6	2.0	1.8	0.2	0.00121	0.00015	11,960
Sequence 12	2.0	4.0	45.3	42.5	2.8	3.7	3.5	0.2	0.00277	0.00035	10,105
Sequence 13	2.0	6.0	64.9	62.1	2.8	5.4	5.1	0.2	0.00456	0.00057	8,991
Sequence 14	2.0	8.0	85.1	80.9	4.3	7.0	6.7	0.4	0.00647	0.00081	8,250
Sequence 15	2.0	10.0	106.3	99.7	6.6	8.8	8.2	0.5	0.00856	0.00107	7,688

TESTED BY \_\_\_\_\_ DT/GW \_\_\_\_\_ DATE February 18, 2016  
 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>	061438	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	2/18/16	<b>Station No.:</b>	242+00
<b>Date Tested:</b>	February 18, 2016	<b>Location:</b>	21'LT
<b>Name of Project:</b>	BRYANT RD. - HWY.298		
<b>County:</b>	<b>Code:</b> 26	<b>Name:</b>	GARLAND
<b>Sampled By:</b>	DICKERSON		<b>Depth:</b> 0-5
<b>Lab No.:</b>	20154288	<b>AASHTO Class:</b>	A-4(2)
<b>Sample ID:</b>	RV1044	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

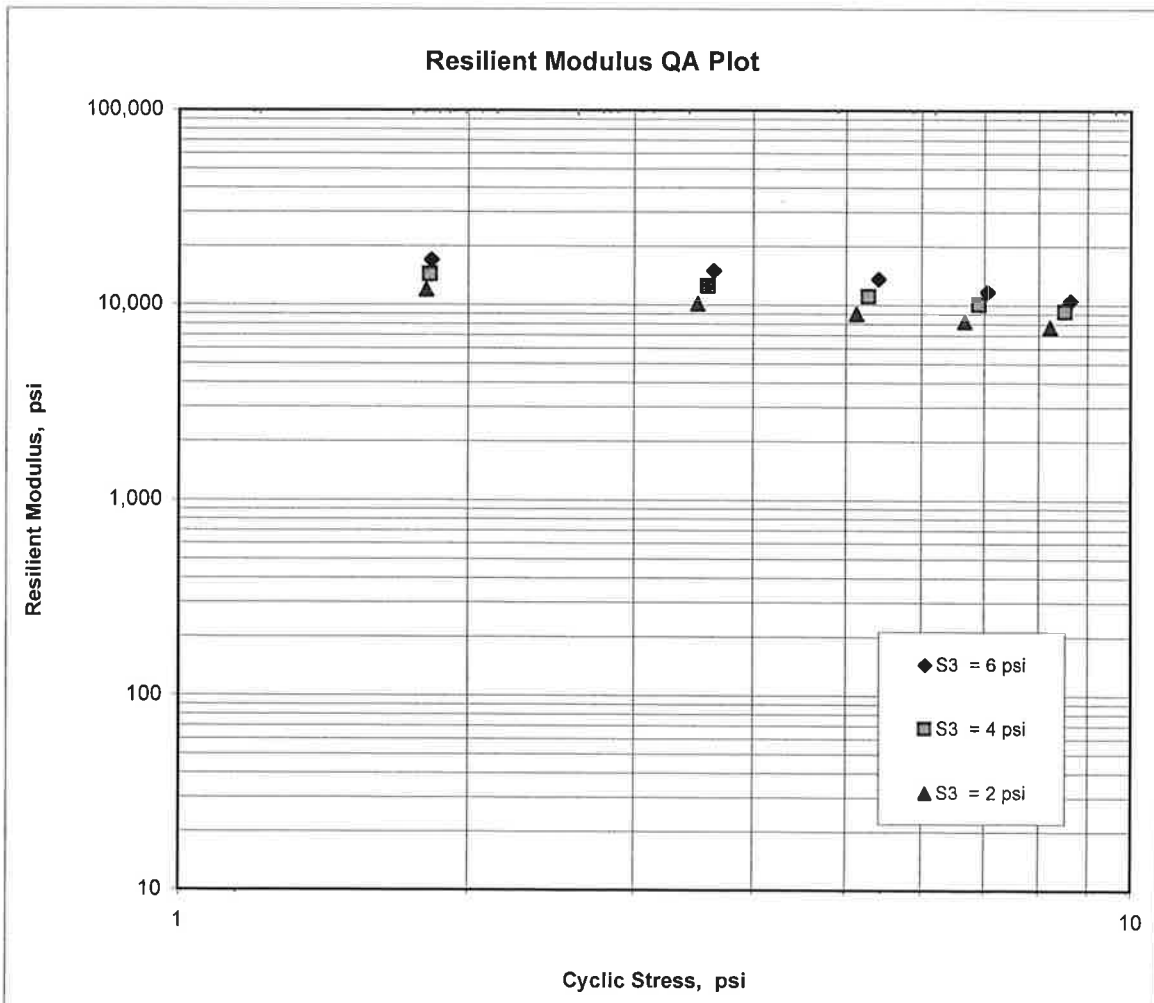
$$M_R = K_1 (S_c)^{K_2} (S_3)^{K_5}$$

$$K_1 = 11,290$$

$$K_2 = -0.29160$$

$$K_5 = 0.33701$$

$$R^2 = 0.98$$



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

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

<b>Job No.</b>	061438	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>		<b>Station No.:</b>	408+00
<b>Date Tested:</b>	February 23, 2016	<b>Location:</b>	18' LT
<b>Name of Project:</b>	bRYANT RD. - HWY. 298 (SAFETY IMPVTS.)		
<b>County:</b>	<b>Code:</b> 26	<b>Name:</b>	GARLAND
<b>Sampled By:</b>	D.DICKERSON	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20154289	<b>AASHTO Class:</b>	A-4 (0)
<b>Sample ID:</b>	RV1045	<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
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8
Initial Area, Ao (sq. in):	12.14
Initial Volume, AoLo (cu. in):	97.11

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3257.60
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**4. Soil Properties:**

Optimum Moisture Content (%):	12.6
Maximum Dry Density (pcf):	116.9
95% of MDD (pcf):	111.1
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3257.60
Compaction Moisture content (%):	12.2
Compaction Wet Density (pcf):	127.82
Compaction Dry Density (pcf):	113.92
Moisture Content After Mr Test (%):	12.1

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

#VALUE!

**7. Resilient Modulus, Mr:**

11816(Sc)^-0.23119(S3)^0.37299

**8. Comments**

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**9. Tested By:**

GW

**Date:** February 23, 2016



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

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

**Job No.** 061438 **Material Code** SSRVPS  
**Date Sampled:** February 23, 2016 **Station No.:** 408+00  
**Date Tested:** February 23, 2016 **Location:** 18' LT

**Name of Project:** BRYANT RD. - HWY. 298 (SAFETY IMPVTS.)  
**County:** Code: 26 **Name:** GARLAND

**Sampled By:** D.DICKERSON **Depth:** 0-5  
**Lab No.:** 20154289 **AASHTO Class:** A-4 (0)  
**Sample ID:** RV1045 **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	25.0	22.5	2.5	2.1	1.9	0.2	0.00075	0.00009	19,663
Sequence 2	6.0	4.0	46.9	44.3	2.6	3.9	3.6	0.2	0.00160	0.00020	18,239
Sequence 3	6.0	6.0	69.3	65.8	3.4	5.7	5.4	0.3	0.00260	0.00033	16,674
Sequence 4	6.0	8.0	92.3	86.4	5.9	7.6	7.1	0.5	0.00392	0.00049	14,544
Sequence 5	6.0	10.0	114.6	106.3	8.3	9.4	8.8	0.7	0.00529	0.00066	13,253
Sequence 6	4.0	2.0	24.8	22.0	2.8	2.0	1.8	0.2	0.00088	0.00011	16,434
Sequence 7	4.0	4.0	46.4	43.6	2.8	3.8	3.6	0.2	0.00194	0.00024	14,816
Sequence 8	4.0	6.0	67.4	64.6	2.9	5.6	5.3	0.2	0.00316	0.00039	13,469
Sequence 9	4.0	8.0	90.3	85.2	5.2	7.4	7.0	0.4	0.00451	0.00056	12,454
Sequence 10	4.0	10.0	113.3	105.7	7.6	9.3	8.7	0.6	0.00599	0.00075	11,631
Sequence 11	2.0	2.0	24.6	21.9	2.7	2.0	1.8	0.2	0.00109	0.00014	13,199
Sequence 12	2.0	4.0	45.6	42.9	2.7	3.8	3.5	0.2	0.00241	0.00030	11,719
Sequence 13	2.0	6.0	66.0	63.2	2.8	5.4	5.2	0.2	0.00393	0.00049	10,605
Sequence 14	2.0	8.0	87.0	82.8	4.2	7.2	6.8	0.3	0.00551	0.00069	9,894
Sequence 15	2.0	10.0	108.9	102.1	6.8	9.0	8.4	0.6	0.00722	0.00090	9,326

TESTED BY \_\_\_\_\_ DATE February 23, 2016  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

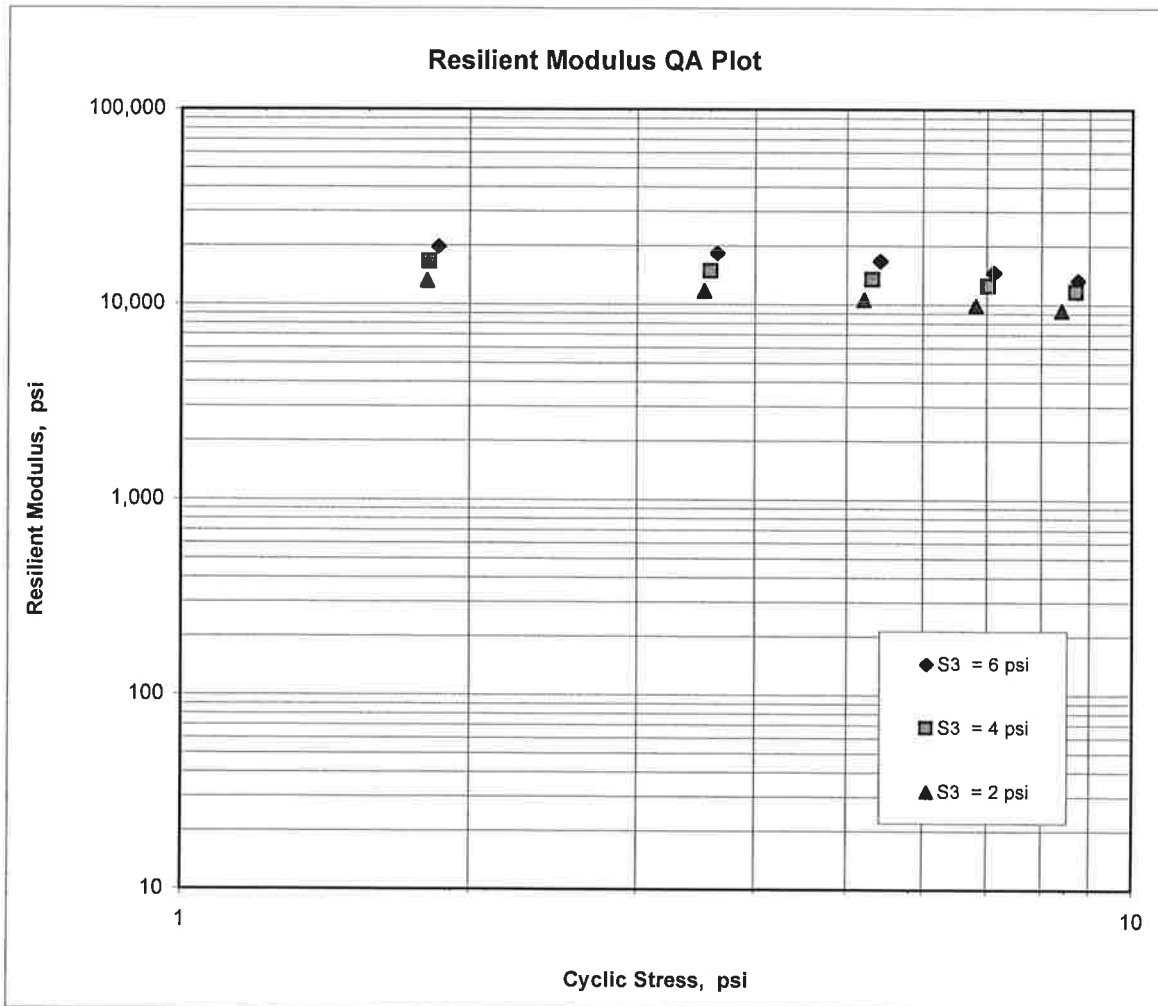
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

Job No.	061438	Material Code	SSRVPS
Date Sampled:		Station No.:	408+00
Date Tested:	February 23, 2016	Location:	18' LT
Name of Project:	bRYANT RD. - HWY. 298 (SAFETY IMPVTS.)		
County:	Code: 26	Name:	GARLAND
Sampled By:	D.DICKERSON	Depth:	0-5
Lab No.:	20154289	AASHTO Class:	A-4 (0)
Sample ID:	RV1045	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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

K1 =	11,816
K2 =	-0.23119
K5 =	0.37299
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>	061438	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	2/19/16	<b>Station No.:</b>	539+00
<b>Date Tested:</b>	February 19, 2016	<b>Location:</b>	18'RT
<b>Name of Project:</b>	BRYANT RD. - HWY. 298		
<b>County:</b>	<b>Code:</b> 26	<b>Name:</b>	GARLAND
<b>Sampled By:</b>	D.DICKERSON		
<b>Lab No.:</b>	20154290	<b>Depth:</b>	0-5
<b>Sample ID:</b>	RV1046	<b>AASHTO Class:</b>	A-7-6(14)
<b>LATITUDE:</b>		<b>Material Type (1 or 2):</b>	2
		<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	3.95
Average	3.95
Membrane Thickness (in):	0.00
Height of Specimen, Cap and Base (in):	8.02
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.02
Initial Area, Ao (sq. in):	12.25
Initial Volume, AoLo (cu. in):	98.28

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	2886.70
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**4. Soil Properties:**

Optimum Moisture Content (%):	20.2
Maximum Dry Density (pcf):	97.7
95% of MDD (pcf):	92.8
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	2886.70
Compaction Moisture content (%):	20.4
Compaction Wet Density (pcf):	111.92
Compaction Dry Density (pcf):	92.95
Moisture Content After Mr Test (%):	20.2

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

**7. Resilient Modulus, Mr:** 15096(Sc)<sup>-0.53655</sup>(S3)<sup>0.15154</sup>

**8. Comments**

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**9. Tested By:** GW **Date:** February 19, 2016

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

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

**Job No.** 061438      **Material Code** SSRVPS  
**Date Sampled:** 2/19/16      **Station No.:** 539+00  
**Date Tested:** February 19, 2016      **Location:** 18'RT

**Name of Project:** BRYANT RD. - HWY. 298

**County:** Code: 26      **Name:** GARLAND

**Sampled By:** D.DICKERSON      **Depth:** 0-5  
**Lab No.:** 20154290      **AAASHTO Class:** A-7-6(14)  
**Sample ID:** RV1046      **Material Type (1 or 2):** 2  
**LATTITUDE:**      **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	25.1	23.1	2.0	2.0	1.9	0.2	0.00113	0.00014	13,364
Sequence 2	6.0	4.0	47.0	45.1	2.0	3.8	3.7	0.2	0.00279	0.00035	10,585
Sequence 3	6.0	6.0	69.0	66.0	2.9	5.6	5.4	0.2	0.00495	0.00062	8,729
Sequence 4	6.0	8.0	90.5	84.5	6.0	7.4	6.9	0.5	0.00799	0.00100	6,921
Sequence 5	6.0	10.0	110.9	102.4	8.5	9.1	8.4	0.7	0.01135	0.00142	5,902
Sequence 6	4.0	2.0	25.0	22.5	2.5	2.0	1.8	0.2	0.00116	0.00014	12,695
Sequence 7	4.0	4.0	46.7	44.2	2.5	3.8	3.6	0.2	0.00298	0.00037	9,706
Sequence 8	4.0	6.0	67.0	64.6	2.4	5.5	5.3	0.2	0.00537	0.00067	7,878
Sequence 9	4.0	8.0	88.7	84.4	4.3	7.2	6.9	0.4	0.00840	0.00105	6,574
Sequence 10	4.0	10.0	109.8	103.4	6.3	9.0	8.4	0.5	0.01180	0.00147	5,739
Sequence 11	2.0	2.0	25.0	23.1	1.9	2.0	1.9	0.2	0.00127	0.00016	11,868
Sequence 12	2.0	4.0	46.3	44.5	1.8	3.8	3.6	0.1	0.00335	0.00042	8,687
Sequence 13	2.0	6.0	66.0	64.1	2.0	5.4	5.2	0.2	0.00596	0.00074	7,029
Sequence 14	2.0	8.0	86.4	83.2	3.3	7.1	6.8	0.3	0.00915	0.00114	5,953
Sequence 15	2.0	10.0	107.1	101.5	5.6	8.7	8.3	0.5	0.01267	0.00158	5,242

TESTED BY \_\_\_\_\_ DATE February 19, 2016  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_

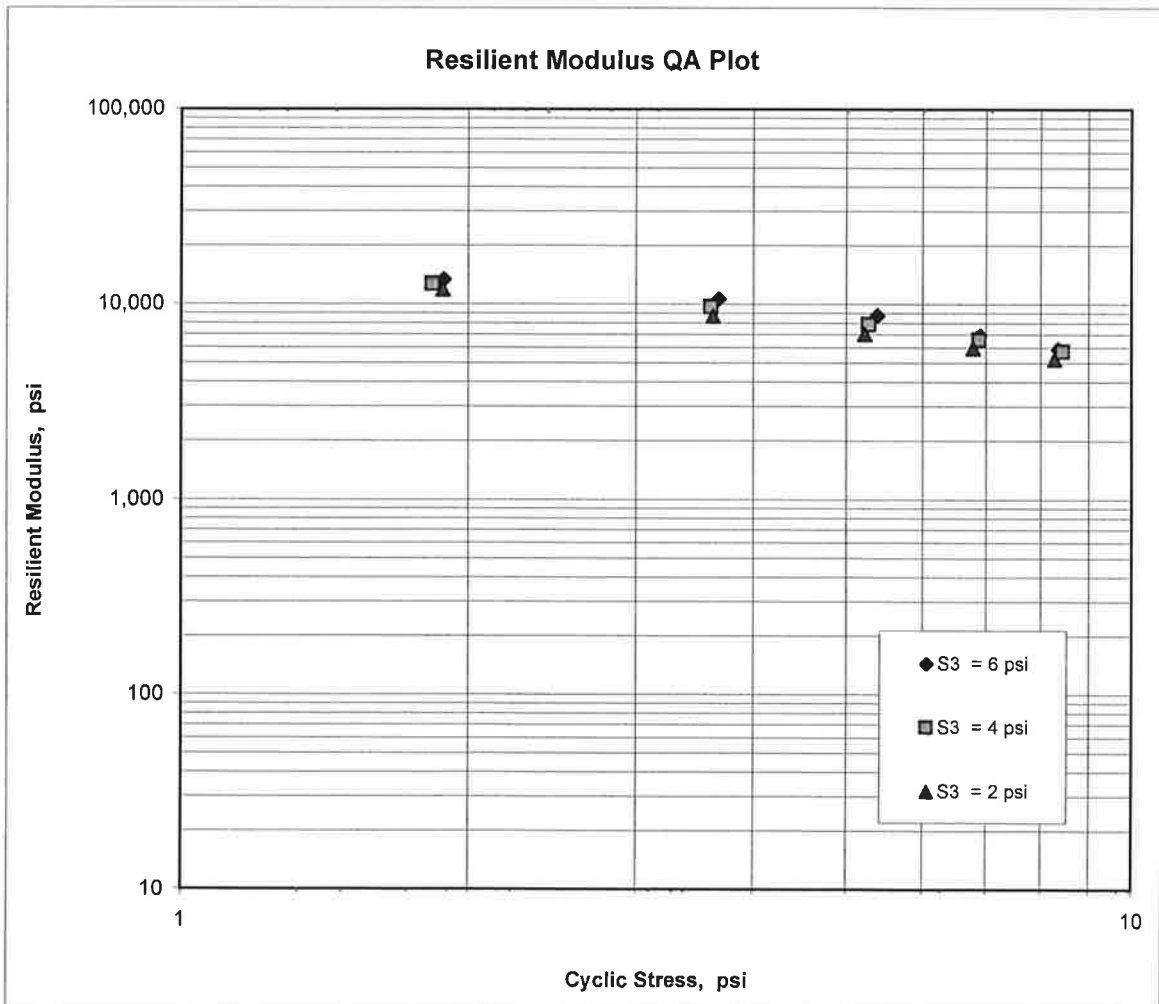
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
MATERIALS DIVISION**

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

<b>Job No.</b>	061438	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	2/19/16	<b>Station No.:</b>	539+00
<b>Date Tested:</b>	February 19, 2016	<b>Location:</b>	18'RT
<b>Name of Project:</b>	BRYANT RD. - HWY. 298		
<b>County:</b>	<b>Code:</b> 26	<b>Name:</b>	GARLAND
<b>Sampled By:</b>	D.DICKERSON		<b>Depth:</b> 0-5
<b>Lab No.:</b>	20154290	<b>AASHTO Class:</b>	A-7-6(14)
<b>Sample ID:</b>	RV1046	<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>15,096</u>
$K_2 =$	<u>-0.53655</u>
$K_5 =$	<u>0.15154</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>	061438	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	2/18/16	<b>Station No.:</b>	629+00
<b>Date Tested:</b>	February 18, 2016	<b>Location:</b>	18'LT
<b>Name of Project:</b>	BRYANT RD. - HWY.298		
<b>County:</b>	<b>Code:</b> 26	<b>Name:</b>	GARLAND
<b>Sampled By:</b>	DICKERSON	<b>Depth:</b>	0-5
<b>Lab No.:</b>	20154291	<b>AASHTO Class:</b>	A-4(0)
<b>Sample ID:</b>	RV1047	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

**1. Testing Information:**

Reconditioning - 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	3.95
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):	12.15
Initial Volume, AoLo (cu. in):	97.42

**3. Soil Specimen Weight:**

Weight of Wet Soil Used (g):	3284.90
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**4. Soil Properties:**

Optimum Moisture Content (%):	12.5
Maximum Dry Density (pcf):	116.7
95% of MDD (pcf):	110.9
In-Situ Moisture Content (%):	N/A

**5. Specimen Properties:**

Wet Weight (g):	3284.90
Compaction Moisture content (%):	12.6
Compaction Wet Density (pcf):	128.48
Compaction Dry Density (pcf):	114.10
Moisture Content After Mr Test (%):	12.1

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

**7. Resilient Modulus, Mr:** 15301(Sc)^-0.53655(S3)^0.15154

**8. Comments**

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**9. Tested By:** DT/GW **Date:** February 18, 2016

**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>	061438	<b>Material Code</b>	SSRVPS
<b>Date Sampled:</b>	2/18/16	<b>Station No.:</b>	629+00
<b>Date Tested:</b>	February 18, 2016	<b>Location:</b>	18'LT
<b>Name of Project:</b>	BRYANT RD. - HWY.298		
<b>County:</b>	<b>Code:</b> 26	<b>Name:</b>	GARLAND
<b>Sampled By:</b>	DICKERSON		<b>Depth:</b> 0-5
<b>Lab No.:</b>	20154291	<b>AASHTO Class:</b>	A-4(0)
<b>Sample ID:</b>	RV1047	<b>Material Type (1 or 2):</b>	2
<b>LATITUDE:</b>		<b>LONGITUDE:</b>	

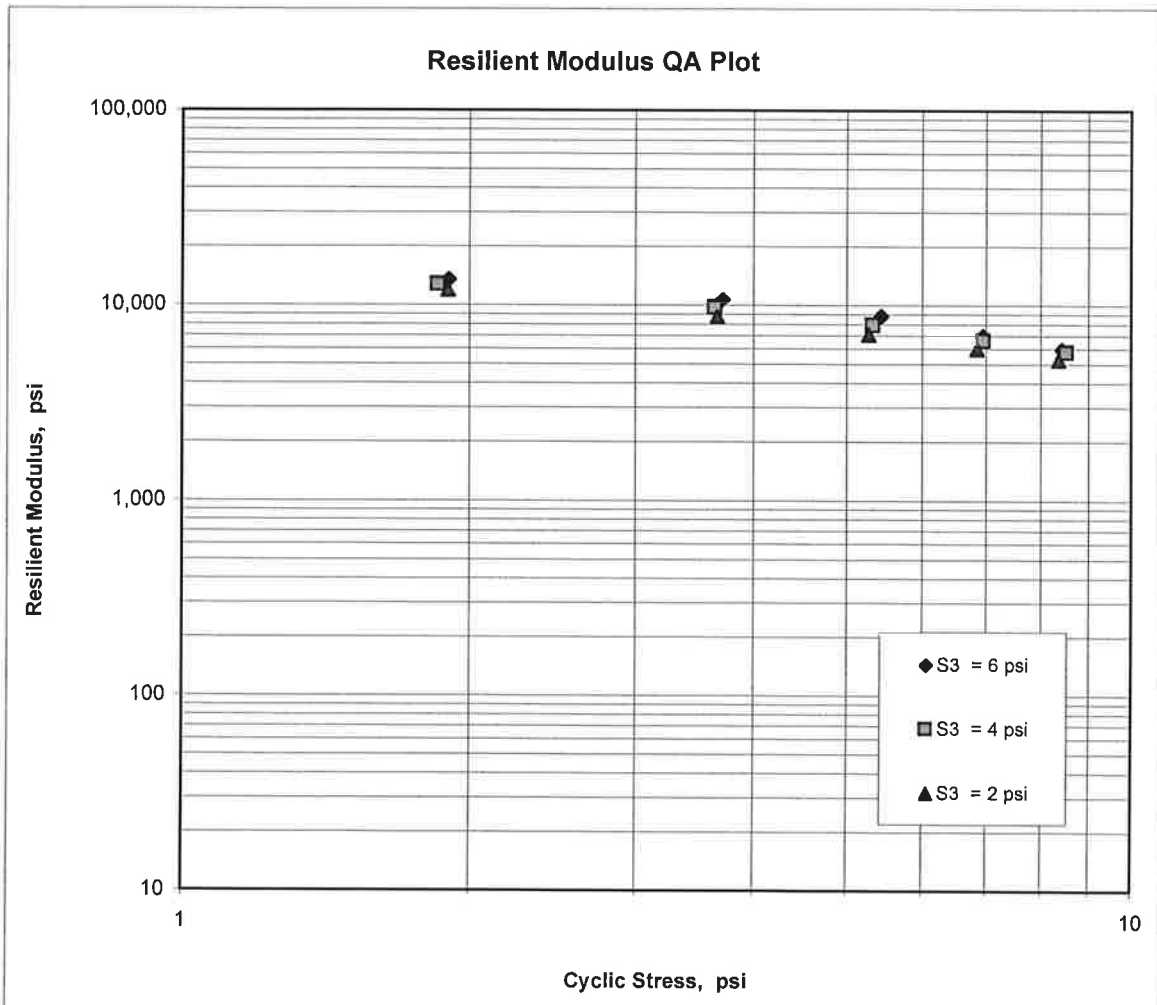
$$M_R = K_1 (S_C)^{K_2} (S_3)^{K_5}$$

$$K_1 = 15,301$$

$$K_2 = -0.53655$$

$$K_5 = 0.15154$$

$$R^2 = 0.98$$



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

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

**Job No.** 061438      **Material Code** SSRVPS  
**Date Sampled:** 2/18/16      **Station No.:** 629+00  
**Date Tested:** February 18, 2016      **Location:** 18'LT  
**Name of Project:** BRYANT RD. - HWY.298

**County:** Code: 26      **Name:** GARLAND  
**Sampled By:** DICKERSON      **Depth:** 0-5  
**Lab No.:** 20154291      **AASHTO Class:** A-4(0)  
**Sample ID:** RV1047      **Material Type (1 or 2):** 2  
**LATTITUDE:**      **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	25.1	23.1	2.0	2.1	1.9	0.2	0.00113	0.00014	13,482
Sequence 2	6.0	4.0	47.0	45.1	2.0	3.9	3.7	0.2	0.00279	0.00035	10,679
Sequence 3	6.0	6.0	69.0	66.0	2.9	5.7	5.4	0.2	0.00495	0.00062	8,806
Sequence 4	6.0	8.0	90.5	84.5	6.0	7.4	7.0	0.5	0.00799	0.00100	6,982
Sequence 5	6.0	10.0	110.9	102.4	8.5	9.1	8.4	0.7	0.01135	0.00142	5,954
Sequence 6	4.0	2.0	25.0	22.5	2.5	2.1	1.9	0.2	0.00116	0.00014	12,807
Sequence 7	4.0	4.0	46.7	44.2	2.5	3.8	3.6	0.2	0.00298	0.00037	9,792
Sequence 8	4.0	6.0	67.0	64.6	2.4	5.5	5.3	0.2	0.00537	0.00067	7,948
Sequence 9	4.0	8.0	88.7	84.4	4.3	7.3	6.9	0.4	0.00840	0.00105	6,632
Sequence 10	4.0	10.0	109.8	103.4	6.3	9.0	8.5	0.5	0.01180	0.00147	5,789
Sequence 11	2.0	2.0	25.0	23.1	1.9	2.1	1.9	0.2	0.00127	0.00016	11,972
Sequence 12	2.0	4.0	46.3	44.5	1.8	3.8	3.7	0.1	0.00335	0.00042	8,764
Sequence 13	2.0	6.0	66.0	64.1	2.0	5.4	5.3	0.2	0.00596	0.00074	7,091
Sequence 14	2.0	8.0	86.4	83.2	3.3	7.1	6.8	0.3	0.00915	0.00114	6,005
Sequence 15	2.0	10.0	107.1	101.5	5.6	8.8	8.4	0.5	0.01267	0.00158	5,289

TESTED BY \_\_\_\_\_ DATE February 18, 2016  
 DT/GW \_\_\_\_\_  
 REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_



JOB: 061438

Arkansas State Highway Transportation Department

JOB NAME: BRYANT RD.- HWY.298 (SAFETY IMPVTS.)

Materials Division

COUNTY NO. 26 DATE TESTED 2/10/2016

Michael Benson, Materials Engineer

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
170+00	18' RT	0-5	BROWN	92	78	59	51	44	20	05	A-4(0)	S979	7.7
170+00	25' RT	0-5	BROWN	89	72	52	44	38	18	06	A-4(0)	S980	6.5
170+00	31' RT	0-5	BROWN	81	64	46	40	35	19	05	A-2-4(0)	S981	6.8
178+00	06' LT	0-4Z	BROWN	96	87	73	66	60	25	12	A-6(4)	S982	17
178+00	14' LT	0-5	BROWN	96	87	71	64	58	23	05	A-4(0)	S983	10
178+00	18' LT	0-5	BROWN	89	74	55	46	40	26	07	A-4(0)	S984	16.4
186+00	06' RT	0-5	BROWN	93	82	65	58	52	22	06	A-4(0)	S985	7.4
186+00	14' RT	0-5	BROWN	84	67	50	44	38	21	04	A-4(0)	S986	11.4
186+00	18' RT	0-5	BROWN	86	74	59	53	49	21	05	A-4(0)	S987	8.8
194+00	06' LT	0-5	GRAY	97	89	73	65	59	28	09	A-4(3)	S988	18.3
194+00	14' LT	0-5	BROWN	91	80	68	63	59	26	09	A-4(3)	S989	20.8
194+00	18' LT	0-5	BROWN	87	72	58	53	49	26	09	A-4(1)	S990	20
202+00	06' RT	0-5	BROWN	89	80	69	64	61	27	10	A-4(4)	S991	15.3
202+00	18' RT	0-5	BROWN	85	74	61	55	51	26	08	A-4(1)	S992	11.7
210+00	06' LT	0-5	BROWN	96	91	79	72	66	24	07	A-4(2)	S993	22.2
219+00	06' RT	0-3.5Z	BROWN	95	84	63	53	45	18	04	A-4(0)	S994	7.6
219+00	15' RT	0-5	BROWN	85	72	58	52	46	22	06	A-4(0)	S995	9.5
226+00	21' LT	0-5	BROWN	91	83	69	60	52	23	06	A-4(0)	S996	11.5
234+00	15' RT	0-5	BROWN	97	91	78	66	55	21	07	A-4(1)	S997	13.7
242+00	09' LT	0-5	BROWN	96	88	77	71	65	27	09	A-4(4)	S998	17.6
242+00	21' LT	0-5	BROWN	93	87	82	79	77	28	10	A-4(6)	S999	20.8
249+85	06' RT	0-5	BROWN	95	85	68	61	53	27	09	A-4(2)	S1000	12.3
249+85	18' RT	0-5	BROWN	91	81	68	62	57	27	10	A-4(3)	S1001	15.4
258+00	06' LT	0-5	BROWN	90	78	64	58	51	33	11	A-6(3)	S1002	20.2
258+00	18' LT	0-5	BROWN	99	89	71	65	54	31	11	A-6(3)	S1003	13.9
266+00	06' RT	0-5	BROWN	98	90	76	69	61	25	08	A-4(2)	S1004	16.8

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

Friday, February 26, 2016

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
384+00	06' RT	0-5	BROWN	96	86	71	61	53	19	4	A-4(0)	S1005	10.3
384+00	21' RT	0-5	BROWN	97	82	62	50	42	ND	NP	A-4(0)	S1006	11.2
391+00	06' LT	0-5	BROWN	97	89	75	60	47	ND	NP	A-4(0)	S1007	13.7
391+00	15' LT	0-5	BROWN	97	82	69	56	44	19	05	A-4(0)	S1008	13.2
400+00	06' RT	0-5	BROWN	97	89	78	71	66	31	12	A-6(6)	S1009	17.6
400+00	18' RT	0-5	BROWN	97	88	77	70	64	29	10	A-4(4)	S1010	16.9
408+00	06' LT	0-5	BROWN	99	95	87	70	57	19	06	A-4(0)	S1011	15.6
408+00	18' LT	0-5	BROWN	95	91	84	69	57	21	07	A-4(1)	S1012	17.6
416+00	06' RT	0-5	BROWN	99	95	84	71	63	23	07	A-4(2)	S1013	14.5
416+00	18' RT	0-5	BROWN	98	95	87	76	68	25	09	A-4(4)	S1014	19.5
475+00	12' RT	0-5	GRAY	99	98	89	81	75	35	15	A-6(10)	S1015	19.7
475+00	21' RT	0-5	GRAY	90	82	69	63	57	35	15	A-6(6)	S1016	18.9
475+00	33' RT	0-5	GRAY	82	69	51	45	39	20	03	A-4(0)	S1017	9.2
483+00	12' LT	0-5	BROWN	99	98	89	78	55	24	06	A-4(1)	S1018	13.8
483+00	20' LT	0-5	BROWN	89	85	74	64	46	22	06	A-4(0)	S1019	15.2
491+00	12' RT	0-3Z	GRAY	90	78	64	55	48	26	09	A-4(1)	S1020	11.3
491+00	24' RT	0-5	GRAY	89	80	69	60	53	24	08	A-4(1)	S1021	12.7
499+00	12' LT	0-5	GRAY	86	78	71	65	59	31	12	A-6(5)	S1022	
499+00	24' LT	0-3Z	GRAY	94	92	88	86	83	22	07	A-4(3)	S1023	13.3
507+00	12' RT	0-5	BROWN	96	90	82	69	60	42	22	A-7-6(11)	S1024	13.7
516+00	12' LT	0-5	BROWN	99	95	87	81	75	26	08	A-4(4)	S1025	30.1
524+00	06' RT	0-5	RED	93	85	77	64	56	27	11	A-6(3)	S1026	12.9
524+00	18' RT	0-3Z	RD/BR	98	94	86	71	62	46	21	A-7-6(11)	S1027	12
531+00	06' LT	0-5	BROWN	97	93	88	85	81	42	18	A-7-6(15)	S1028	28.9
531+00	14' LT	0-5	BROWN	95	92	88	85	79	40	18	A-6(14)	S1029	32.3
539+00	06' RT	0-5	BROWN	99	95	88	82	77	35	11	A-6(8)	S1030	27.6
539+00	14' RT	0-5	BROWN	98	94	87	82	71	ND	NP	A-4(0)	S1031	27.4
539+00	18' RT	0-5	BROWN	99	97	94	89	81	42	20	A-7-6(16)	S1032	28

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
603+00	06' RT	0-3.5Z	BROWN	98	95	91	87	80	20	05	A-4(1)	S1033	11.9
603+00	14' RT	0-5	BROWN	96	87	75	55	45	ND	NP	A-4(0)	S1034	12.9
603+00	18' RT	0-5	BROWN	89	76	59	42	34	26	09	A-2-4(0)	S1035	13.7
611+00	06' LT	0-5	BROWN	95	89	75	57	48	26	10	A-4(2)	S1036	20.4
611+00	14' LT	0-5	BROWN	97	92	80	64	54	25	11	A-6(3)	S1037	19.1
619+00	06' RT	0-5	BROWN	97	89	76	60	54	18	05	A-4(0)	S1038	9.2
619+00	18' RT	0-5	BROWN	97	89	73	51	42	18	04	A-4(0)	S1039	10.3
629+00	06' LT	0-5	BROWN	95	88	71	48	37	19	05	A-4(0)	S1040	11.9
629+00	18' LT	0-5	BROWN	98	95	83	57	52	20	05	A-4(0)	S1041	12.5
635+00	06' RT	0-5	BROWN	98	94	80	59	51	22	08	A-4(1)	S1042	16.6
635+00	18' RT	0-5	BROWN	93	87	76	60	53	29	13	A-6(4)	S1043	17.3
242+00	21' LT	0-5	BROWN	100	98	83	64	53	29	08	A-4(2)	RV1044	
408+50	18' LT	0-5	RD/BR	81	69	59	45	36	ND	NP	A-4(0)	RV1045	
539+00	18' RT	0-5	RD/BR	91	87	83	79	72	45	20	A-7-6(14)	RV1046	
629+00	18' LT	0-5	BROWN	92	88	74	51	43	ND	NP	A-4(0)	RV1047	

**JOB:** 061438

**Arkansas State Highway Transportation Department**  
**Materials Division**

**DATE TESTED**  
2/10/2016

**JOB NAME:** BRYANT RD.- HWY.298 (SAFETY IMPVTS.)

**COUNTY NO.** 26

**Michael Benson, Materials Engineer**

**STA.# LOC.**

**PAVEMENT SOUNDINGS**

170+00	25' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		2.75	--	10.0	
170+00	31' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		--	--	--	
170+00	18' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		3.50W	4.50	8.0	
178+00	06' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		5.50W	2.50	7.0	
178+00	14' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		5.0W	--	--	
178+00	18' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		--	--	--	
186+00	14' RT	ACHMSC	AGG.BASE CRS CL-7		
		4.0W	--	--	
186+00	18' RT	ACHMSC	AGG.BASE CRS CL-7		
		--	--	--	
186+00	06' RT	ACHMSC	AGG.BASE CRS CL-7		
		4.75	6.0		
194+00	14' LT	ACHMSC	AGG.BASE CRS CL-7		
		5.0W	8.0		
194+00	18' LT	ACHMSC	AGG.BASE CRS CL-7		
		--	--	--	
194+00	06' LT	ACHMSC	AGG.BASE CRS CL-7		
		9.75W	7.0		
202+00	06' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		5.75W	2.50	--	
202+00	18' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		--	--	--	
210+00	06' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		6.0W	3.0	7.0	
219+00	06' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		7.0W	8.0	6.0	
219+00	15' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7	
		6.50W	7.0	6.0	

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

**PAVEMENT SOUNDINGS**

**STA.# LOC.**

226+00	21' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
234+00	15' RT	ACHMSC 3.75W	AGG.BASE CRS CL-7 7.0	
242+00	09' LT	ACHMSC 8.7	AGG.BASE CRS CL-7 7.0	
242+00	21' LT	ACHMSC	AGG.BASE CRS CL-7	
249+85	06' RT	ACHMSC 6.50W	ACHMBC 3.50	AGG.BASE CRS CL-7 6.0
249+85	18' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
258+00	06' LT	ACHMSC 6.75	ACHMBC 3.50	AGG.BASE CRS CL-7 6.0
258+00	18' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
266+00	06' RT	ACHMSC 8.0	ACHMBC 2.0	AGG.BASE CRS CL-7 6.0
384+00	06' RT	ACHMSC 5.50W	ACHMBC 2.50	AGG.BASE CRS CL-7 7.0
384+00	21' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
391+00	06' LT	ACHMSC 12.0WX	ACHMBC 6.0	AGG.BASE CRS CL-7 6.0
391+00	15' LT	ACHMSC 8.0W	ACHMBC 6.50	AGG.BASE CRS CL-7 5.0
400+00	18' RT	ACHMSC	AGG.BASE CRS CL-7	
400+00	06' RT	ACHMSC 7.0	AGG.BASE CRS CL-7	
408+00	06' LT	ACHMSC 8.0	AGG.BASE CRS CL-7 7.0	
408+00	18' LT	ACHMSC	AGG.BASE CRS CL-7	
416+00	06' RT	ACHMSC 7.50W	AGG.BASE CRS CL-7 8.0	
416+00	18' RT	ACHMSC	AGG.BASE CRS CL-7	

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

**PAVEMENT SOUNDINGS**

**STA.# LOC.**

475+00	12' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		9.75WX	4.0	7.0
475+00	21' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		3.50WX	--	8.0
475+00	33' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		--	--	--
483+00	12' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		7.50W	11.50WX	6.0
483+00	20' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		8.0W	7.0	8.0
491+00	24' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		--	--	--
491+00	12' RT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		9.0WX	5.0	7.0
499+00	12' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		5.50WX	7.50	8.0
499+00	24' LT	ACHMSC	ACHMBC	AGG.BASE CRS CL-7
		--	--	--
507+00	12' RT	ACHMSC	AGG.BASE CRS CL-7	
		8.0W	9.0	
516+00	12' LT	ACHMSC	AGG.BASE CRS CL-7	
		7.50	8.0	
524+00	06' RT	ACHMSC	AGG.BASE CRS CL-7	
		7.50W	4.0	
524+00	18' RT	ACHMSC	AGG.BASE CRS CL-7	
		--	--	
531+00	06' LT	ACHMSC	AGG.BASE CRS CL-7	
		6.0W	6.0	
531+00	14' LT	ACHMSC	AGG.BASE CRS CL-7	
		3.0	8.0	
539+00	06' RT	ACHMSC	AGG.BASE CRS CL-7	
		6.50W	7.0	
539+00	14' RT	ACHMSC	AGG.BASE CRS CL-7	
		3.75W	7.0	
539+00	18' RT	ACHMSC	AGG.BASE CRS CL-7	
		--	--	
603+00	14' RT	ACHMSC	AGG.BASE CRS CL-7	
		2.0	8.0	

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

**STA.# LOC.**

**PAVEMENT SOUNDINGS**

603+00	18' RT	ACHMSC	AGG.BASE CRS CL-7	--	
603+00	06' RT	ACHMSC 5.0W	AGG.BASE CRS CL-7	7.0	
611+00	14' LT	ACHMSC 3.50	ACHMBC	--	AGG.BASE CRS CL-7
611+00	06' LT	ACHMSC 4.50W	ACHMBC	2.50	AGG.BASE CRS CL-7
619+00	06' RT	ACHMSC 7.50W	ACHMBC	--	AGG.BASE CRS CL-7
619+00	18' RT	ACHMSC	ACHMBC	--	AGG.BASE CRS CL-7
629+00	06' LT	ACHMSC 4.75W	ACHMBC	6.0	AGG.BASE CRS CL-7
629+00	18' LT	ACHMSC	ACHMBC	--	AGG.BASE CRS CL-7
635+00	18' RT	ACHMSC	ACHMBC	--	AGG.BASE CRS CL-7
635+00	06' RT	ACHMSC 4.50	ACHMBC	2.50	AGG.BASE CRS CL-7

**comments:** 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	- 02/12/16	SEQUENCE NO.	- 1
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY	DATE SAMPLED	- 12/10/15
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 12/14/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/10/16
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20154223	- 20154224	- 20154225
SAMPLE ID	- S979	- S980	- S981
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 170+00	- 170+00	- 170+00
LOCATION	- 18' RT	- 25' RT	- 31' RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 35 15.70	- 34 35 15.80	- 34 35 15.80
LONGITUDE DEG-MIN-SEC	- 93 00 .90	- 93 00 .90	- 93 00 .90
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	- 100	- 100
3/8 IN.	- 100	- 99	- 98
NO. 4	- 92	- 89	- 81
NO. 10	- 78	- 72	- 64
NO. 40	- 59	- 52	- 46
NO. 80	- 51	- 44	- 40
NO. 200	- 44	- 38	- 35
LIQUID LIMIT	- 20	- 18	- 19
PLASTICITY INDEX	- 05	- 06	- 05
AASHTO SOIL	- A-4 (0)	- A-4 (0)	- A-2-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 7.7	- 6.5	- 6.8
ACHMSC (IN)	- 3.50W	- 2.75	- --
ACHMBC (IN)	- 4.50	- --	- --
AGG.BASE CRS CL-7 (IN)	- 8.0	- 10.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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

AASHTO TESTS : T24 T88 T89 T90 T265



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 02/12/16 SEQUENCE NO. - 2  
JOB NUMBER - 061438 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 - 26  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20154226	20154227	20154228
SAMPLE ID	S982	S983	S984
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	178+00	178+00	178+00
LOCATION	06' LT	14' LT	18' LT
DEPTH IN FEET	0-4Z	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 35 23.70	34 35 23.70	34 35 23.70
LONGITUDE DEG-MIN-SEC	93 00 3.40	93 00 3.50	93 00 3.60
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.	100		100
3/8 IN.	99	100	96
NO. 4	96	96	89
NO. 10	87	87	74
NO. 40	73	71	55
NO. 80	66	64	46
NO. 200	60	58	40
LIQUID LIMIT	25	23	26
PLASTICITY INDEX	12	05	07
AASHTO SOIL	A-6(4)	A-4(0)	A-4(0)
UNIFIED SOIL			
% MOISTURE CONTENT	17.0	10.0	16.4
ACHMSC (IN)	5.50W	5.0W	--
ACHMBC (IN)	2.50	--	--
AGG.BASE CRS CL-7 (IN)	7.0	--	--

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	- 02/12/16	SEQUENCE NO.	- 3
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY	DATE SAMPLED	- 12/10/15
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 12/14/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/10/16
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20154229	- 20154230	- 20154231
SAMPLE ID	- S985	- S986	- S987
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 186+00	- 186+00	- 186+00
LOCATION	- 06' RT	- 14' RT	- 18' RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 35 31.50	- 34 35 31.50	- 34 35 31.60
LONGITUDE DEG-MIN-SEC	- 93 00 4.40	- 93 00 4.40	- 93 00 4.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	- 100	- 100
3/8 IN.	- 99	- 96	- 96
NO. 4	- 93	- 84	- 86
NO. 10	- 82	- 67	- 74
NO. 40	- 65	- 50	- 59
NO. 80	- 58	- 44	- 53
NO. 200	- 52	- 38	- 49
LIQUID LIMIT	- 22	- 21	- 21
PLASTICITY INDEX	- 06	- 04	- 05
AASHTO SOIL	- A-4 (0)	- A-4 (0)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 7.4	- 11.4	- 8.8
ACHMSC (IN)	- 4.75	- 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	- 02/12/16	SEQUENCE NO.	- 4
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY	DATE SAMPLED	- 12/10/15
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 12/14/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/10/16
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20154232	- 20154233	- 20154234
SAMPLE ID	- S988	- S989	- S990
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 194+00	- 194+00	- 194+00
LOCATION	- 06' LT	- 14' LT	- 18' LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- GRAY	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 35 36.10	- 34 35 36.10	- 34 35 36.00
LONGITUDE DEG-MIN-SEC	- 93 00 11.90	- 93 00 12.00	- 93 00 12.00
% PASSING			
	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	100
	3/8 IN. - 100	- 100	- 99
	NO. 4 - 97	- 91	- 87
	NO. 10 - 89	- 80	- 72
	NO. 40 - 73	- 68	- 58
	NO. 80 - 65	- 63	- 53
	NO. 200 - 59	- 59	- 49
LIQUID LIMIT	- 28	- 26	- 26
PLASTICITY INDEX	- 09	- 09	- 09
AASHTO SOIL	- A-4 (3)	- A-4 (3)	- A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 18.3	- 20.8	- 20.0
ACHMSC (IN)	- 9.75W	- 5.0W	- ---
AGG.BASE CRS CL-7 (IN)	- 7.0	- 8.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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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 - 02/12/16 SEQUENCE NO. - 5  
 JOB NUMBER - 061438 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 - 26  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
 SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
 SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20154235	-	20154236	-	20154237
SAMPLE ID	-	S991	-	S992	-	S993
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	202+00	-	202+00	-	210+00
LOCATION	-	06' RT	-	18' RT	-	06' LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 35 38.70	-	34 35 38.80	-	34 35 40.90
LONGITUDE DEG-MIN-SEC	-	93 00 20.80	-	93 00 20.80	-	93 00 30.00
% PASSING						
	2	IN.	-	-	-	-
	1 1/2	IN.	-	-	-	-
	3/4	IN.	-	100	-	100
	3/8	IN.	-	95	-	99
	NO. 4		-	89	-	96
	NO. 10		-	80	-	91
	NO. 40		-	69	-	79
	NO. 80		-	64	-	72
	NO. 200		-	61	-	66
LIQUID LIMIT	-	27	-	26	-	24
PLASTICITY INDEX	-	10	-	08	-	07
AASHTO SOIL	-	A-4 (4)	-	A-4 (1)	-	A-4 (2)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	15.3	-	11.7	-	22.2
ACHMSC	(IN)	5.75W	-	--	-	6.0W
ACHMBC	(IN)	2.50	-	--	-	3.0
AGG.BASE CRS CL-7	(IN)	--	-	--	-	7.0
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

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	- 02/12/16	SEQUENCE NO.	- 6
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY	DATE SAMPLED	- 12/10/15
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 12/14/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/10/16
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	-	20154238	-	20154239	-	20154240
SAMPLE ID	-	S994	-	S995	-	S996
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	219+00	-	219+00	-	226+00
LOCATION	-	06' RT	-	15' RT	-	21' LT
DEPTH IN FEET	-	0-3.5Z	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 35 42.70	-	34 35 42.80	-	34 35 45.50
LONGITUDE DEG-MIN-SEC	-	93 00 40.70	-	93 00 40.70	-	93 00 48.20
% PASSING	2 IN.	-	-	-	-	-
	1 1/2 IN.	-	-	-	-	-
	3/4 IN.	- 100	-	100	-	100
	3/8 IN.	- 98	-	97	-	99
	NO. 4	- 95	-	85	-	91
	NO. 10	- 84	-	72	-	83
	NO. 40	- 63	-	58	-	69
	NO. 80	- 53	-	52	-	60
	NO. 200	- 45	-	46	-	52
LIQUID LIMIT	-	18	-	22	-	23
PLASTICITY INDEX	-	04	-	06	-	06
AASHTO SOIL	-	A-4(0)	-	A-4(0)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	7.6	-	9.5	-	11.5
ACHMSC	(IN)	- 7.0W	-	6.50W	-	--
ACHMBC	(IN)	- 8.0	-	7.0	-	--
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	- 02/12/16	SEQUENCE NO.	- 7
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY	DATE SAMPLED	- 12/10/15
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 12/14/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/10/16
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20154241	- 20154242	- 20154243
SAMPLE ID	- S997	- S998	- S999
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 234+00	- 242+00	- 242+00
LOCATION	- 15' RT	- 09' LT	- 21' LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 35 49.70	- 34 35 52.10	- 34 35 52.10
LONGITUDE DEG-MIN-SEC	- 93 00 56.30	- 93 01 5.50	- 93 01 5.60
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	-	- 100
	3/8 IN. - 99	- 100	- 98
	NO. 4 - 97	- 96	- 93
	NO. 10 - 91	- 88	- 87
	NO. 40 - 78	- 77	- 82
	NO. 80 - 66	- 71	- 79
	NO. 200 - 55	- 65	- 77
LIQUID LIMIT	- 21	- 27	- 28
PLASTICITY INDEX	- 07	- 09	- 10
AASHTO SOIL	- A-4 (1)	- A-4 (4)	- A-4 (6)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 13.7	- 17.6	- 20.8
ACHMSC (IN)	- 3.75W	- 8.7	- --
AGG.BASE CRS CL-7 (IN)	- 7.0	- 7.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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	- 02/23/16	SEQUENCE NO.	- 8
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY		
SAMPLED BY	- D.DICKERSON	DATE SAMPLED	- 12/10/15
SAMPLE FROM	- TEST HOLE	DATE RECEIVED	- 12/14/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS	DATE TESTED	- 02/10/16

LAB NUMBER	- 20154244	- 20154245	- 20154246
SAMPLE ID	- S1000	- S1001	- S1002
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 249+85	- 249+85	- 258+00
LOCATION	- 06' RT	- 18' RT	- 06' LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 35 57.50	- 34 35 57.50	- 34 36 1.30
LONGITUDE DEG-MIN-SEC	- 93 01 12.70	- 93 01 12.60	- 93 01 20.80
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	- 100	- 100
	3/8 IN. - 100	- 99	- 97
	NO. 4 - 95	- 91	- 90
	NO. 10 - 85	- 81	- 78
	NO. 40 - 68	- 68	- 64
	NO. 80 - 61	- 62	- 58
	NO. 200 - 53	- 57	- 51
LIQUID LIMIT	- 27	- 27	- 33
PLASTICITY INDEX	- 09	- 10	- 11
AASHTO SOIL	- A-4 (2)	- A-4 (3)	- A-6 (3)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 12.3	- 15.4	- 20.2
ACHMSC	(IN) - 6.50W	- --	- 6.75
ACHMBC	(IN) - 3.50	- --	- 3.50
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 - 02/23/16 SEQUENCE NO. - 9  
 JOB NUMBER - 061438 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 - 26  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
 SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
 SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20154247	20154248	20154249
SAMPLE ID	S1003	S1004	S1005
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	258+00	266+00	384+00
LOCATION	18' LT	06' RT	06' RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 36 1.10	34 36 6.20	34 37 27.80
LONGITUDE DEG-MIN-SEC	93 01 21.00	93 01 28.60	93 03 2.20
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.	100	100	100
NO. 4	99	98	96
NO. 10	89	90	86
NO. 40	71	76	71
NO. 80	65	69	61
NO. 200	54	61	53
LIQUID LIMIT	31	25	19
PLASTICITY INDEX	11	08	4
AASHTO SOIL	A-6(3)	A-4(2)	A-4(0)
UNIFIED SOIL			
% MOISTURE CONTENT	13.9	16.8	10.3
ACHMSC (IN)	--	8.0	5.50W
ACHMBC (IN)	--	2.0	2.50
AGG.BASE CRS CL-7 (IN)	--	6.0	7.0

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 - 02/12/16 SEQUENCE NO. - 10  
JOB NUMBER - 061438 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 - 26  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20154250	20154251	20154252
SAMPLE ID	S1006	S1007	S1008
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	384+00	391+00	391+00
LOCATION	21' RT	06' LT	15' LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 37 27.90	34 37 32.60	34 37 32.50
LONGITUDE DEG-MIN-SEC	93 03 2.00	93 03 8.40	93 03 8.40
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.	100	100	100
NO. 4	97	97	97
NO. 10	82	89	82
NO. 40	62	75	69
NO. 80	50	60	56
NO. 200	42	47	44
LIQUID LIMIT	ND	ND	19
PLASTICITY INDEX	NP	NP	05
AASHTO SOIL	A-4 (0)	A-4 (0)	A-4 (0)
UNIFIED SOIL			
% MOISTURE CONTENT	11.2	13.7	13.2
ACHMSC (IN)	--	12.0WX	8.0W
ACHMBC (IN)	--	6.0	6.50
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	- 02/12/16	SEQUENCE NO.	- 11
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY	DATE SAMPLED	- 12/10/15
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 12/14/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/10/16
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS			

LAB NUMBER	-	20154253	-	20154254	-	20154255
SAMPLE ID	-	S1009	-	S1010	-	S1011
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	400+00	-	400+00	-	408+00
LOCATION	-	06' RT	-	18' RT	-	06' LT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 37 38.80	-	34 37 38.90	-	34 37 44.10
LONGITUDE DEG-MIN-SEC	-	93 03 16.00	-	93 03 15.90	-	93 03 23.20
% PASSING	2	IN. -	-	-	-	-
	1 1/2	IN. -	-	-	-	-
	3/4	IN. -	-	-	-	-
	3/8	IN. -	-	-	-	-
	NO. 4	- 97	-	100	-	100
	NO. 10	- 89	-	97	-	99
	NO. 40	- 78	-	88	-	95
	NO. 80	- 71	-	77	-	87
	NO. 200	- 66	-	70	-	70
			-	64	-	57
LIQUID LIMIT	-	31	-	29	-	19
PLASTICITY INDEX	-	12	-	10	-	06
AASHTO SOIL	-	A-6(6)	-	A-4(4)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	17.6	-	16.9	-	15.6
ACHMSC	(IN) -	7.0	-	--	-	8.0
AGG.BASE CRS CL-7	(IN) -	--	-	--	-	7.0
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

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	- 02/12/16	SEQUENCE NO.	- 12
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 12/10/15
LOCATION	- GARLAND COUNTY	DATE RECEIVED	- 12/14/15
SAMPLED BY	- D.DICKERSON	DATE TESTED	- 02/10/16
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20154256	- 20154257	- 20154258
SAMPLE ID	- S1012	- S1013	- S1014
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 408+00	- 416+00	- 416+00
LOCATION	- 18' LT	- 06' RT	- 18' RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 37 44.00	- 34 37 49.60	- 34 37 49.70
LONGITUDE DEG-MIN-SEC	- 93 03 23.20	- 93 03 29.50	- 93 03 29.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	-	-
3/8 IN.	- 99	- 100	- 100
NO. 4	- 95	- 99	- 98
NO. 10	- 91	- 95	- 95
NO. 40	- 84	- 84	- 87
NO. 80	- 69	- 71	- 76
NO. 200	- 57	- 63	- 68
LIQUID LIMIT	- 21	- 23	- 25
PLASTICITY INDEX	- 07	- 07	- 09
AASHTO SOIL	- A-4 (1)	- A-4 (2)	- A-4 (4)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 17.6	- 14.5	- 19.5
ACHMSC (IN)	- --	- 7.50W	- --
AGG.BASE CRS CL-7 (IN)	- --	- 8.0	- --
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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	- 02/23/16	SEQUENCE NO.	- 13
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY		
SAMPLED BY	- D.DICKERSON	DATE SAMPLED	- 12/10/15
SAMPLE FROM	- TEST HOLE	DATE RECEIVED	- 12/14/15
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS	DATE TESTED	- 02/10/16

LAB NUMBER	-	20154259	-	20154260	-	20154261
SAMPLE ID	-	S1015	-	S1016	-	S1017
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	475+00	-	475+00	-	475+00
LOCATION	-	12' RT	-	21' RT	-	33' RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	GRAY	-	GRAY	-	GRAY
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 38 46.30	-	34 38 46.20	-	34 38 46.20
LONGITUDE DEG-MIN-SEC	-	93 03 30.10	-	93 03 30.10	-	93 03 30.00
% PASSING	2 IN.	-	-	-	-	-
	1 1/2 IN.	-	-	-	-	-
	3/4 IN.	-	-	100	-	100
	3/8 IN.	-	100	98	-	98
	NO. 4	-	99	90	-	82
	NO. 10	-	98	82	-	69
	NO. 40	-	89	69	-	51
	NO. 80	-	81	63	-	45
	NO. 200	-	75	57	-	39
LIQUID LIMIT	-	35	-	35	-	20
PLASTICITY INDEX	-	15	-	15	-	03
AASHTO SOIL	-	A-6(10)	-	A-6(6)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	19.7	-	18.9	-	9.2
ACHMSC	(IN)	-	9.75WX	-	3.50WX	-
ACHMBC	(IN)	-	4.0	-	--	-
AGG.BASE CRS CL-7	(IN)	-	7.0	-	8.0	-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-

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

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 02/23/16	SEQUENCE NO.	- 14
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 12/10/15
LOCATION	- GARLAND COUNTY	DATE RECEIVED	- 12/14/15
SAMPLED BY	- D.DICKERSON	DATE TESTED	- 02/10/16
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20154262	- 20154263	- 20154264
SAMPLE ID	- S1018	- S1019	- S1020
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 483+00	- 483+00	- 491+00
LOCATION	- 12' LT	- 20' LT	- 12' RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-3Z
MAT'L COLOR	- BROWN	- BROWN	- GRAY
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 38 53.70	- 34 38 53.60	- 34 39 1.30
LONGITUDE DEG-MIN-SEC	- 93 03 26.60	- 93 03 26.60	- 93 03 25.10
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	- 100	- 100
	3/8 IN. - 100	- 96	- 96
	NO. 4 - 99	- 89	- 90
	NO. 10 - 98	- 85	- 78
	NO. 40 - 89	- 74	- 64
	NO. 80 - 78	- 64	- 55
	NO. 200 - 55	- 46	- 48
LIQUID LIMIT	- 24	- 22	- 26
PLASTICITY INDEX	- 06	- 06	- 09
AASHTO SOIL	- A-4 (1)	- A-4 (0)	- A-4 (1)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 13.8	- 15.2	- 11.3
ACHMSC	(IN) - 7.50W	- 8.0W	- 9.0WX
ACHMBC	(IN) - 11.50WX	- 7.0	- 5.0
AGG.BASE CRS CL-7	(IN) - 6.0	- 8.0	- 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 - 02/23/16 SEQUENCE NO. - 15  
 JOB NUMBER - 061438 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 - 26  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
 SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
 SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20154265	20154266	20154267
SAMPLE ID	S1021	S1022	S1023
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	491+00	499+00	499+00
LOCATION	24' RT	12' LT	24' LT
DEPTH IN FEET	0-5	0-5	0-3Z
MAT'L COLOR	GRAY	GRAY	GRAY
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	34 39 1.30	34 39 9.30	34 39 9.20
LONGITUDE DEG-MIN-SEC	93 03 24.90	93 03 23.70	93 03 23.90
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	100	100	100
3/8 IN.	95	99	96
NO. 4	89	86	94
NO. 10	80	78	92
NO. 40	69	71	88
NO. 80	60	65	86
NO. 200	53	59	83
LIQUID LIMIT	24	31	22
PLASTICITY INDEX	08	12	07
AASHTO SOIL	A-4 (1)	A-6 (5)	A-4 (3)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	12.7	-	13.3
ACHMSC (IN)	--	5.50WX	--
ACHMBC (IN)	--	7.50	--
AGG.BASE CRS CL-7 (IN)	--	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 - 02/12/16	SEQUENCE NO. - 16
JOB NUMBER - 061438	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 - 26
SUPPLIER NAME - STATE	DISTRICT NO. - 06
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)	
PROJECT ENGINEER - NOT APPLICABLE	
PIT/QUARRY - ARKANSAS	
LOCATION - GARLAND COUNTY	DATE SAMPLED - 12/10/15
SAMPLED BY - D.DICKERSON	DATE RECEIVED - 12/14/15
SAMPLE FROM - TEST HOLE	DATE TESTED - 02/10/16
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS	

LAB NUMBER	- 20154268	- 20154269	- 20154270
SAMPLE ID	- S1024	- S1025	- S1026
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 507+00	- 516+00	- 524+00
LOCATION	- 12' RT	- 12' LT	- 06' RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- RED
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 34 39 16.80	- 34 39 23.20	- 34 39 23.90
LONGITUDE DEG-MIN-SEC	- 93 03 22.40	- 93 03 29.10	- 93 03 38.40
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	- 100	-	- 100
3/8 IN.	- 99	- 100	- 98
NO. 4	- 96	- 99	- 93
NO. 10	- 90	- 95	- 85
NO. 40	- 82	- 87	- 77
NO. 80	- 69	- 81	- 64
NO. 200	- 60	- 75	- 56
LIQUID LIMIT	- 42	- 26	- 27
PLASTICITY INDEX	- 22	- 08	- 11
AASHTO SOIL	- A-7-6 (11)	- A-4 (4)	- A-6 (3)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 13.7	- 30.1	- 12.9
ACHMSC (IN)	- 8.0W	- 7.50	- 7.50W
AGG.BASE CRS CL-7 (IN)	- 9.0	- 8.0	- 4.0
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 02/23/16		SEQUENCE NO.	- 17
JOB NUMBER	- 061438		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	- 26
SUPPLIER NAME	- STATE		DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)			
PROJECT ENGINEER	- NOT APPLICABLE			
PIT/QUARRY	- ARKANSAS			
LOCATION	- GARLAND COUNTY		DATE SAMPLED	- 12/10/15
SAMPLED BY	- D.DICKERSON		DATE RECEIVED	- 12/14/15
SAMPLE FROM	- TEST HOLE		DATE TESTED	- 02/10/16
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS			

LAB NUMBER	-	20154271	-	20154272	-	20154273
SAMPLE ID	-	S1027	-	S1028	-	S1029
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	524+00	-	531+00	-	531+00
LOCATION	-	18' RT	-	06' LT	-	14' LT
DEPTH IN FEET	-	0-3Z	-	0-5	-	0-5
MAT'L COLOR	-	RD/BR	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 39 23.90	-	34 39 23.10	-	34 39 23.10
LONGITUDE DEG-MIN-SEC	-	93 03 38.40	-	93 03 47.00	-	93 03 47.00
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	100
	3/8	IN.	-	99	-	99
	NO. 4		-	97	-	95
	NO. 10		-	93	-	92
	NO. 40		-	88	-	88
	NO. 80		-	85	-	85
	NO. 200		-	81	-	79
LIQUID LIMIT	-	46	-	42	-	40
PLASTICITY INDEX	-	21	-	18	-	18
AASHTO SOIL	-	A-7-6(11)	-	A-7-6(15)	-	A-6(14)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	12.0	-	28.9	-	32.3
ACHMSC	(IN)	--	-	6.0W	-	3.0
AGG.BASE CRS CL-7	(IN)	--	-	6.0	-	8.0
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

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	- 02/12/16	SEQUENCE NO.	- 18
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY	- ARKANSAS		
LOCATION	- GARLAND COUNTY	DATE SAMPLED	- 12/10/15
SAMPLED BY	- D.DICKERSON	DATE RECEIVED	- 12/14/15
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/10/16
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS			

LAB NUMBER	-	20154274	-	20154275	-	20154276
SAMPLE ID	-	S1030	-	S1031	-	S1032
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	539+00	-	539+00	-	539+00
LOCATION	-	06' RT	-	14' RT	-	18' RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 39 23.10	-	34 39 23.10	-	34 39 23.10
LONGITUDE DEG-MIN-SEC	-	93 03 56.40	-	93 03 56.40	-	93 03 56.40
% PASSING						
	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-	100	-	100
	NO. 4	-		99	-	99
	NO. 10	-		95	-	97
	NO. 40	-		88	-	94
	NO. 80	-		82	-	89
	NO. 200	-		77	-	81
LIQUID LIMIT	-	35	-	ND	-	42
PLASTICITY INDEX	-	11	-	NP	-	20
AASHTO SOIL	-	A-6(8)	-	A-4(0)	-	A-7-6(16)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	27.6	-	27.4	-	28.0
ACHMSC	(IN)	-		6.50W	-	3.75W
AGG.BASE CRS CL-7	(IN)	-		7.0	-	7.0
		-			-	
		-			-	
		-			-	
		-			-	
		-			-	
		-			-	
		-			-	
		-			-	
		-			-	
		-			-	
		-			-	
		-			-	

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 - 02/12/16 SEQUENCE NO. - 19  
JOB NUMBER - 061438 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 - 26  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20154277	20154278	20154279
SAMPLE ID	S1033	S1034	S1035
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	603+00	603+00	603+00
LOCATION	06' RT	14' RT	18' RT
DEPTH IN FEET	0-3.5Z	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	34 40 18.30	34 40 18.40	34 40 18.40
LONGITUDE DEG-MIN-SEC	93 04 20.00	93 04 19.90	93 04 19.90
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	100	100
3/8 IN.	100	98	99
NO. 4	98	96	89
NO. 10	95	87	76
NO. 40	91	75	59
NO. 80	87	55	42
NO. 200	80	45	34
LIQUID LIMIT	20	ND	26
PLASTICITY INDEX	05	NP	09
AASHTO SOIL	A-4(1)	A-4(0)	A-2-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	11.9	12.9	13.7
ACHMSC (IN)	5.0W	2.0	--
AGG.BASE CRS CL-7 (IN)	7.0	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	- 02/12/16	SEQUENCE NO.	- 20
JOB NUMBER	- 061438	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	- 26
SUPPLIER NAME	- STATE	DISTRICT NO.	- 06
NAME OF PROJECT	- BRYANT RD.- HWY.298 (SAFETY IMPVTS.)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 12/10/15
LOCATION	- GARLAND COUNTY	DATE RECEIVED	- 12/14/15
SAMPLED BY	- D.DICKERSON	DATE TESTED	- 02/10/16
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	-	20154280	-	20154281	-	20154282
SAMPLE ID	-	S1036	-	S1037	-	S1038
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	611+00	-	611+00	-	619+00
LOCATION	-	06' LT	-	14' LT	-	06' RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	34 40 26.40	-	34 40 26.40	-	34 40 34.20
LONGITUDE DEG-MIN-SEC	-	93 04 21.20	-	93 04 21.40	-	93 04 22.20
% PASSING						
2 IN.	-		-		-	
1 1/2 IN.	-		-		-	
3/4 IN.	-	100	-	100	-	
3/8 IN.	-	99	-	99	-	100
NO. 4	-	95	-	97	-	97
NO. 10	-	89	-	92	-	89
NO. 40	-	75	-	80	-	76
NO. 80	-	57	-	64	-	60
NO. 200	-	48	-	54	-	54
LIQUID LIMIT	-	26	-	25	-	18
PLASTICITY INDEX	-	10	-	11	-	05
AASHTO SOIL	-	A-4(2)	-	A-6(3)	-	A-4(0)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	20.4	-	19.1	-	9.2
ACHMSC (IN)	-	4.50W	-	3.50	-	7.50W
ACHMBC (IN)	-	2.50	-	--	-	--
AGG.BASE CRS CL-7 (IN)	-	7.0	-	--	-	7.0
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

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 - 02/12/16 SEQUENCE NO. - 21  
JOB NUMBER - 061438 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 - 26  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20154283	20154284	20154285
SAMPLE ID	S1039	S1040	S1041
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	619+00	629+00	629+00
LOCATION	18' RT	06' LT	18' LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 40 34.20	34 40 44.00	34 40 44.00
LONGITUDE DEG-MIN-SEC	93 04 22.00	93 04 20.00	93 04 20.10
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	100	-
3/8 IN.	100	99	100
NO. 4	97	95	98
NO. 10	89	88	95
NO. 40	73	71	83
NO. 80	51	48	57
NO. 200	42	37	52
LIQUID LIMIT	18	19	20
PLASTICITY INDEX	04	05	05
AASHTO SOIL	A-4 (0)	A-4 (0)	A-4 (0)
UNIFIED SOIL			
% MOISTURE CONTENT	10.3	11.9	12.5
ACHMSC (IN)	--	4.75W	--
ACHMBC (IN)	--	6.0	--
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 - 02/12/16 SEQUENCE NO. - 22  
 JOB NUMBER - 061438 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 - 26  
 SUPPLIER NAME - STATE DISTRICT NO. - 06  
 NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
 SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
 SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	-	20154286	-	20154287	-
SAMPLE ID	-	S1042	-	S1043	-
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-
STATION	-	635+00	-	635+00	-
LOCATION	-	06' RT	-	18' RT	-
DEPTH IN FEET	-	0-5	-	0-5	-
MAT'L COLOR	-	BROWN	-	BROWN	-
MAT'L TYPE	-		-		-
LATITUDE DEG-MIN-SEC	-	34 40 49.40	-	34 40 49.40	-
LONGITUDE DEG-MIN-SEC	-	93 04 17.10	-	93 04 17.00	-
% PASSING	2 IN.	-	-	-	-
	1 1/2 IN.	-	-	-	-
	3/4 IN.	-	-	100	-
	3/8 IN.	100	-	98	-
	NO. 4	98	-	93	-
	NO. 10	94	-	87	-
	NO. 40	80	-	76	-
	NO. 80	59	-	60	-
	NO. 200	51	-	53	-
LIQUID LIMIT	-	22	-	29	-
PLASTICITY INDEX	-	08	-	13	-
AASHTO SOIL	-	A-4(1)	-	A-6(4)	-
UNIFIED SOIL	-		-		-
% MOISTURE CONTENT	-	16.6	-	17.3	-
ACHMSC	(IN)	4.50	-	--	-
ACHMBC	(IN)	2.50	-	--	-
AGG.BASE CRS CL-7	(IN)	7.0	-	--	-
			-		-
			-		-
			-		-
			-		-
			-		-
			-		-
			-		-
			-		-

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 - 02/12/16 SEQUENCE NO. - 1  
JOB NUMBER - 061438 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 - 26  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS

LAB NUMBER	20154288	20154289	20154290
SAMPLE ID	RV1044	RV1045	RV1046
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	242+00	408+50	539+00
LOCATION	21' LT	18' LT	18' RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	RD/BR	RD/BR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 35 52.10	34 37 44.40	34 39 23.10
LONGITUDE DEG-MIN-SEC	93 01 5.60	93 03 23.70	93 03 56.40
% PASSING			
2 IN.			
1 1/2 IN.			
3/4 IN.		100	100
3/8 IN.		92	96
NO. 4	100	81	91
NO. 10	98	69	87
NO. 40	83	59	83
NO. 80	64	45	79
NO. 200	53	36	72
LIQUID LIMIT	29	ND	45
PLASTICITY INDEX	08	NP	20
AASHTO SOIL	A-4 (2)	A-4 (0)	A-7-6 (14)
UNIFIED SOIL			
% MOISTURE CONTENT			

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 - 02/12/16 SEQUENCE NO. - 2  
JOB NUMBER - 061438 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 - 26  
SUPPLIER NAME - STATE DISTRICT NO. - 06  
NAME OF PROJECT - BRYANT RD.- HWY.298 (SAFETY IMPVTS.)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - GARLAND COUNTY DATE SAMPLED - 12/10/15  
SAMPLED BY - D.DICKERSON DATE RECEIVED - 12/14/15  
SAMPLE FROM - TEST HOLE DATE TESTED - 02/10/16  
MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS

LAB NUMBER	-	20154291	-	-
SAMPLE ID	-	RV1047	-	-
TEST STATUS	-	INFORMATION ONLY	-	-
STATION	-	629+00	-	-
LOCATION	-	18' LT	-	-
DEPTH IN FEET	-	0-5	-	-
MAT'L COLOR	-	BROWN	-	-
MAT'L TYPE	-		-	-
LATITUDE DEG-MIN-SEC	-	34 40 44.00	-	-
LONGITUDE DEG-MIN-SEC	-	93 04 20.10	-	-
% PASSING	2	IN.	-	-
	1 1/2	IN.	-	-
	3/4	IN.	-	100
	3/8	IN.	-	98
	NO. 4		-	92
	NO. 10		-	88
	NO. 40		-	74
	NO. 80		-	51
	NO. 200		-	43
LIQUID LIMIT	-	ND	-	-
PLASTICITY INDEX	-	NP	-	-
AASHTO SOIL	-	A-4 (0)	-	-
UNIFIED SOIL	-		-	-
% MOISTURE CONTENT	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-

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