

ARKANSAS DEPARTMENT OF TRANSPORTATION



SUBSURFACE INVESTIGATION

STATE JOB NO. 090558

FEDERAL AID PROJECT NO. STPF-0004(85)

SULPHUR SPRINGS – DECATUR (PASSING LANE) (S)

STATE HIGHWAY 59 SECTION 1

IN BENTON 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

March 3, 2020

TO: Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT: Job No. 090558
Gravette – Gentry (S)
Route 59 Section 1
Benton County

Attached is the requested soil survey, strength data and Resilient Modulus test results for the above referenced job. The project consists of adding passing lanes on Highway 59. Samples were taken at ¼ mile increments in the existing travel lanes and ditch line. Log miles were used for stationing. There were no paved shoulders within the project limits.

The subgrade soils consist primarily of moderately plastic cherty clay. Isolated locations of highly plastic clay were encountered within the project limits. The granular nature of the subgrade soils should provide a stable working platform with conventional processing if the weather is favorable during construction. If a stable working platform cannot be obtained, then stabilization with Portland cement is the most appropriate remediation technique. The addition of 9% Portland cement (by dry wt.) mixed to a depth of 16 inches should be used for quantity estimation purposes.

Rock was encountered at several locations within the project limits and the locations are listed below in table 1. Rock was exposed behind the ditch line between log miles 4.8 to 5.1 left of centerline.

Table 1 Depth and Location of Rock

Log mile	Location from Centerline (ft.)	Depth (ft.)
4.9	6, 24 Right	1.5, 2.0
5.15	25 Right	4.0
5.4	6 Left	2.5
9.8	6, 24 Right	4.0, 4.0
10.7	6 Right	4.0

Earthwork and embankment recommendations will be made upon request when plans are developed and cross sections are 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 in the vicinity of Gravette.

2. Asphalt Concrete Hot Mix

<u>Type</u>	<u>Asphalt Cement %</u>	<u>Mineral Aggregate %</u>
Surface Course	5.5	94.5
Binder Course	4.4	95.6
Base Course	4.3	95.7



Michael C. Benson
Materials Engineer

MCB:pt:bjj

Attachment

cc: State Constr. Eng. – Master File Copy
District 9 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 - 02/11/2020
JOB NUMBER - 090558

SEQUENCE NO. - 1
MATERIAL CODE - SSRV
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 04
DISTRICT NO. - 09

JOB NAME - SULPHUR SPRINGS - GENTRY (SEL. SECS.) (S)

* STATION LIMITS R-VALUE AT 240 psi *

BEGIN JOB - END JOB LESS THAN 5

RESILIENT MODULUS

STA. 4.65 7713
STA. 10.7 8426

REMARKS -

-
AASHTO TESTS : T190

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

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

Job No.	090558	Material Code	SSRVPS	
Date Sampled:	1/7/2020	Station No.:	4.65	
Date Tested:	February 5, 2020	Location:	18'LT	
Name of Project:	SULPHUR SPRINGS - GENTRY (SEL. SECS.)(S)			
County:	Code: 4	Name:	BENTON	
Sampled By:	THORNTON / MCKINEY		Depth:	0-5
Lab No.:	20200095	AASHTO Class:	A-2-4 (0)	
Sample ID:	RV24	Material Type (1 or 2):	2	
LATITUDE:		LONGITUDE:		

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.94
Middle	3.95
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):	3042.30
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4. Soil Properties:

Optimum Moisture Content (%):	16.9
Maximum Dry Density (pcf):	106.3
95% of MDD (pcf):	101.0
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3042.30
Compaction Moisture content (%):	17.1
Compaction Wet Density (pcf):	119.07
Compaction Dry Density (pcf):	101.68
Moisture Content After Mr Test (%):	16.9

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

7. Resilient Modulus, Mr: $8056(S_c)^{-0.16307}(S_3)^{0.38123}$

8. Comments

9. Tested By: GW **Date:** February 5, 2020

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

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

Job No. 090558 **Material Code** SSRVPS
Date Sampled: 1/7/2020 **Station No.:** 4.65
Date Tested: February 5, 2020 **Location:** 18'LT
Name of Project: SULPHUR SPRINGS - GENTRY (SEL. SECS.)(S)
County: Code: 4 **Name:** BENTON
Sampled By: THORNTON / MCKINEY
Lab No.: 20200095
Sample ID: RV24
LATITUDE:
Depth: 0-5
AASHTO Class: A-2-4 (0)
Material Type (1 or 2): 2
LONGITUDE:

PARAMETER	Chamber Confining Pressure	Nominal Maximum Axial Stress	Actual Applied		Actual Applied Contact Load	Actual Applied Max. Axial Stress	Actual Applied Cyclic Stress	Actual Applied Contact Stress	Average Recov Def. LVDT 1 and 2	Resilient Strain	Resilient Modulus
			S_3 psi	S_{cyclic} psi							
Sequence 1	6.0	2.0	25.2	22.4	2.8	2.1	1.8	0.2	0.00102	0.00013	14,478
Sequence 2	6.0	4.0	47.3	44.5	2.8	3.9	3.7	0.2	0.00219	0.00027	13,404
Sequence 3	6.0	6.0	70.1	66.5	3.6	5.8	5.5	0.3	0.00356	0.00044	12,324
Sequence 4	6.0	8.0	94.0	88.0	6.0	7.7	7.2	0.5	0.00514	0.00064	11,302
Sequence 5	6.0	10.0	117.9	109.4	8.4	9.7	9.0	0.7	0.00668	0.00083	10,817
Sequence 6	4.0	2.0	25.1	22.2	2.8	2.1	1.8	0.2	0.00117	0.00015	12,603
Sequence 7	4.0	4.0	46.9	44.1	2.8	3.9	3.6	0.2	0.00260	0.00032	11,199
Sequence 8	4.0	6.0	68.4	65.6	2.8	5.6	5.4	0.2	0.00424	0.00053	10,228
Sequence 9	4.0	8.0	92.1	86.9	5.2	7.6	7.2	0.4	0.00589	0.00073	9,741
Sequence 10	4.0	10.0	116.0	108.4	7.6	9.6	8.9	0.6	0.00757	0.00094	9,460
Sequence 11	2.0	2.0	24.8	22.0	2.8	2.0	1.8	0.2	0.00159	0.00020	9,139
Sequence 12	2.0	4.0	46.1	43.3	2.8	3.8	3.6	0.2	0.00337	0.00042	8,493
Sequence 13	2.0	6.0	66.9	64.1	2.8	5.5	5.3	0.2	0.00534	0.00067	7,933
Sequence 14	2.0	8.0	89.3	85.1	4.2	7.4	7.0	0.3	0.00729	0.00091	7,713
Sequence 15	2.0	10.0	112.7	106.0	6.7	9.3	8.7	0.6	0.00905	0.00113	7,740

TESTED BY _____ DATE February 5, 2020
 REVIEWED BY _____ DATE _____

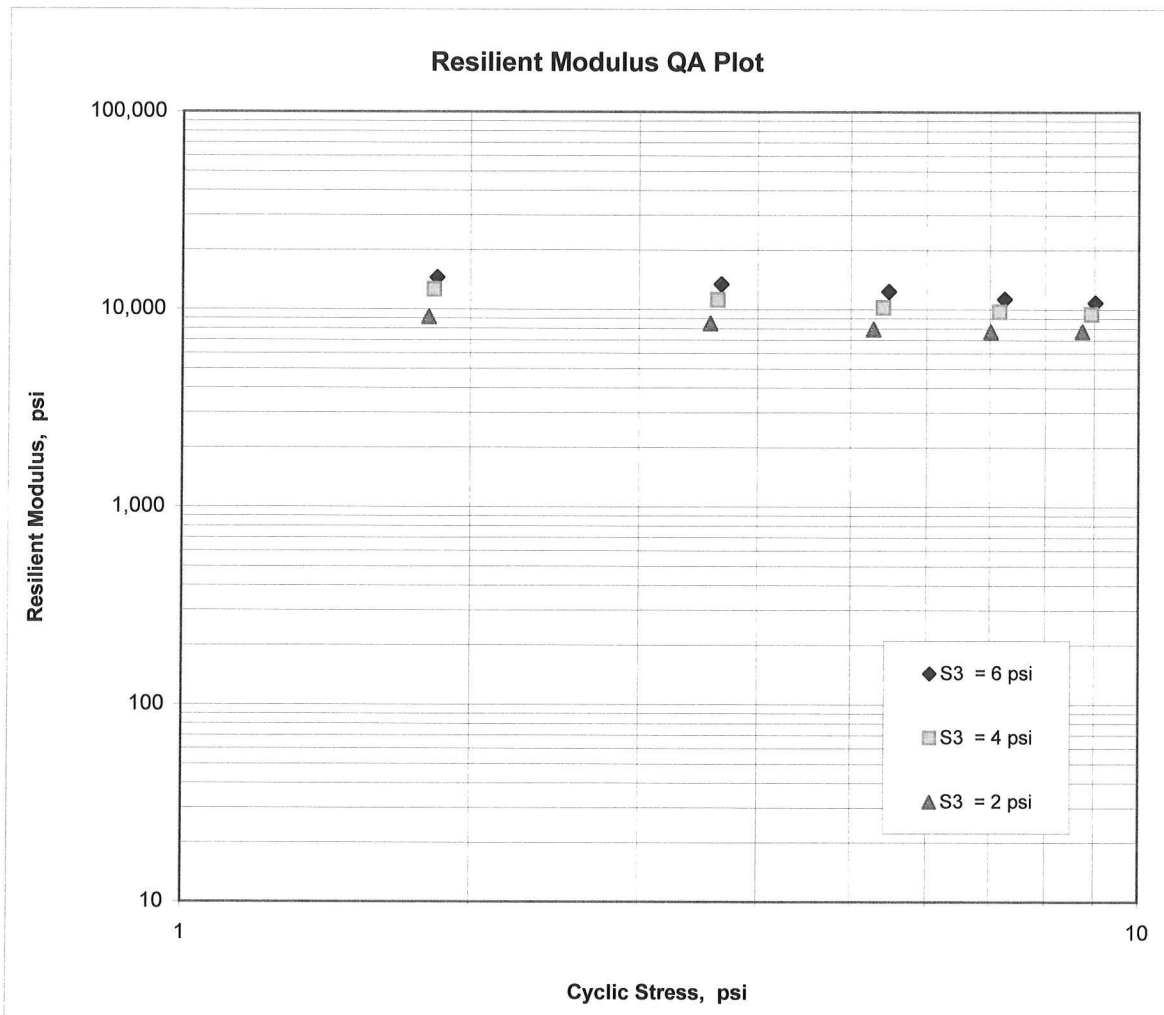
**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION**

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

Job No.	090558	Material Code	SSRVPS
Date Sampled:	1/7/2020	Station No.:	4.65
Date Tested:	February 5, 2020	Location:	18'LT
Name of Project:	SULPHUR SPRINGS - GENTRY (SEL. SECS.)(S)		
County:	Code: 4	Name:	BENTON
Sampled By:	THORNTON / MCKINEY	Depth:	0-5
Lab No.:	20200095	AASHTO Class:	A-2-4 (0)
Sample ID:	RV24	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

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

$K_1 = 8,056$
 $K_2 = -0.16307$
 $K_5 = 0.38123$
 $R^2 = 0.99$



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

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

Job No.	090558	Material Code	SSRVPS	
Date Sampled:	1/7/2020	Station No.:	10.7	
Date Tested:	February 5, 2020	Location:	24'RT	
Name of Project:	SULPHUR SPRINGS - GENTRY (SEL. SECS.)(S)			
County:	Code: 4	Name:	BENTON	
Sampled By:	THORNTON / MCKINEY		Depth:	0-5
Lab No.:	20200095	AASHTO Class:	A-6 (11)	
Sample ID:	RV25	Material Type (1 or 2):	2	
LATITUDE:		LONGITUDE:		

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.97
Middle	3.96
Bottom	3.96
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):	12.26
Initial Volume, AoLo (cu. in):	98.34

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3178.40
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4. Soil Properties:

Optimum Moisture Content (%):	18.5
Maximum Dry Density (pcf):	108.3
95% of MDD (pcf):	102.9
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3178.40
Compaction Moisture content (%):	18.6
Compaction Wet Density (pcf):	123.14
Compaction Dry Density (pcf):	103.83
Moisture Content After Mr Test (%):	18.6

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

7. Resilient Modulus, Mr: 10940(S_c)^{-0.19166}(S₃)^{0.22960}

8. Comments

9. Tested By: GW

Date: February 5, 2020

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

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

Job No. 090558 **Material Code** SSRVPS
Date Sampled: 1/7/2020 **Station No.:** 10.7
Date Tested: February 5, 2020 **Location:** 24'RT
Name of Project: SULPHUR SPRINGS - GENTRY (SEL. SECS.)(S)
County: Code: 4 **Name:** BENTON
Sampled By: THORNTON / MCKINEY
Lab No.: 20200095
Sample ID: RV25 **Depth:** 0-5
LATITUDE: **AASHTO Class:** A-6 (11)
LONGITUDE: **Material Type (1 or 2):** 2

PARAMETER	Chamber Confining Pressure	Nominal Maximum Axial Stress	Actual Applied Max. Axial Load	Actual Applied Max. Axial Stress	Actual Applied Contact Load	Actual Applied Max. Axial Stress	Actual Applied Cyclic Stress	Actual Applied Cyclic Stress	Actual Applied Contact Stress	Average Recov Def. LVDT 1 and 2	Resilient Strain	Resilient Modulus
DESIGNATION	S _g	S _{cyclic}	P _{max}	P _{max}	P _{cyclic}	P _{contact}	S _{max}	S _{cyclic}	S _{contact}	H _{avg}	ε _r	M _r
UNIT	psi	psi	lbs	psi	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.5	2.1	22.8	2.7	2.1	1.9	0.2	0.00103	0.00013	14,498
Sequence 2	6.0	4.0	47.7	3.9	45.1	2.6	3.9	3.7	0.2	0.00213	0.00027	13,872
Sequence 3	6.0	6.0	70.6	5.8	67.1	3.5	5.8	5.5	0.3	0.00351	0.00044	12,519
Sequence 4	6.0	8.0	94.2	7.7	88.2	5.9	7.7	7.2	0.5	0.00523	0.00065	11,025
Sequence 5	6.0	10.0	116.7	9.5	108.3	8.4	9.5	8.8	0.7	0.00721	0.00090	9,826
Sequence 6	4.0	2.0	25.4	2.1	22.8	2.6	2.1	1.9	0.2	0.00114	0.00014	13,144
Sequence 7	4.0	4.0	47.6	3.9	45.0	2.6	3.9	3.7	0.2	0.00240	0.00030	12,269
Sequence 8	4.0	6.0	69.3	5.6	66.7	2.6	5.6	5.4	0.2	0.00389	0.00048	11,216
Sequence 9	4.0	8.0	92.9	7.6	87.9	5.1	7.6	7.2	0.4	0.00555	0.00069	10,352
Sequence 10	4.0	10.0	115.8	9.4	108.3	7.5	9.4	8.8	0.6	0.00748	0.00093	9,472
Sequence 11	2.0	2.0	25.4	2.1	22.7	2.7	2.1	1.9	0.2	0.00143	0.00018	10,390
Sequence 12	2.0	4.0	47.4	3.9	44.7	2.7	3.9	3.6	0.2	0.00285	0.00036	10,262
Sequence 13	2.0	6.0	69.1	5.6	66.4	2.7	5.6	5.4	0.2	0.00452	0.00056	9,607
Sequence 14	2.0	8.0	91.5	7.5	87.3	4.3	7.5	7.1	0.3	0.00629	0.00078	9,080
Sequence 15	2.0	10.0	114.2	9.3	107.3	6.8	9.3	8.8	0.6	0.00833	0.00104	8,426

TESTED BY _____ DATE February 5, 2020
 REVIEWED BY _____ DATE _____
 GW _____

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

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

Job No.	090558	Material Code	SSRVPS
Date Sampled:	1/7/2020	Station No.:	10.7
Date Tested:	February 5, 2020	Location:	24'RT
Name of Project:	SULPHUR SPRINGS - GENTRY (SEL. SECS.)(S)		
County:	Code: 4	Name:	BENTON
Sampled By:	THORNTON / MCKINEY	Depth:	0-5
Lab No.:	20200095	AASHTO Class:	A-6 (11)
Sample ID:	RV25	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

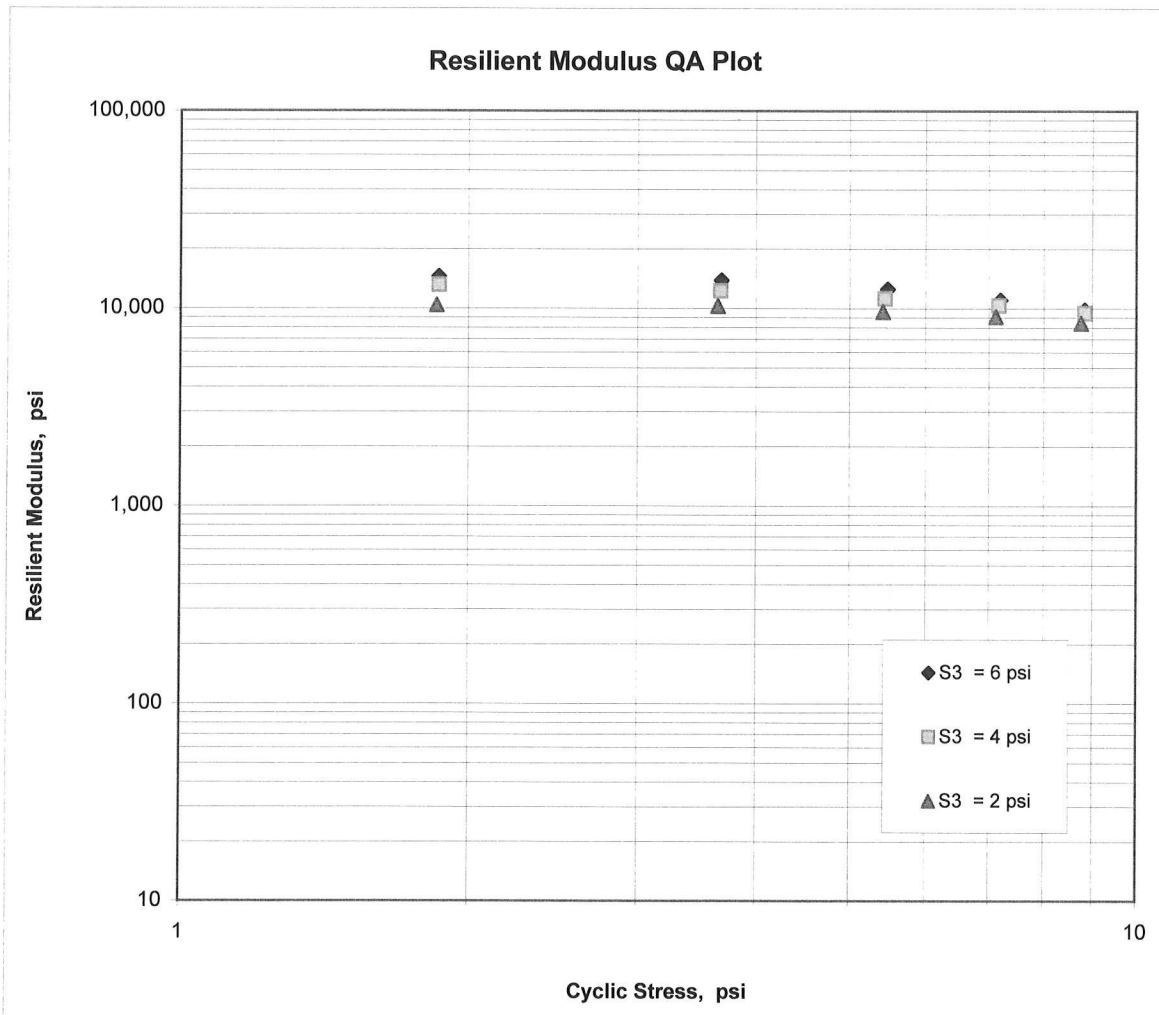
$$M_R = K_1 (S_c)^{K_2} (S_3)^{K_5}$$

$$K_1 = 10,940$$

$$K_2 = -0.19166$$

$$K_5 = 0.22960$$

$$R^2 = 0.90$$



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 02/12/20 SEQUENCE NO. - 1
JOB NUMBER - 090558 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 - 04
SUPPLIER NAME - STATE DISTRICT NO. - 09
NAME OF PROJECT - SULPHUR SPRINGS - GENTRY (SEL. SECS.) (S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - BENTON COUNTY DATE SAMPLED - 01/07/20
SAMPLED BY - THORNTON/MCKINEY DATE RECEIVED - 01/09/20
SAMPLE FROM - TEST HOLE DATE TESTED - 02/11/20
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

LAB NUMBER	20200076	20200077	20200078
SAMPLE ID	S5	S6	S7
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	04.4	04.4	04.65
LOCATION	06 RT	22 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	36 27 .10	36 27 .10	36 26 49.40
LONGITUDE DEG-MIN-SEC	94 26 39.50	94 26 39.60	94 26 44.40
% PASSING			
2 IN.			
1 1/2 IN.		100	
3/4 IN.	100	96	100
3/8 IN.	96	86	87
NO. 4	85	74	73
NO. 10	70	65	66
NO. 40	56	56	59
NO. 80	53	53	56
NO. 200	50	51	54
LIQUID LIMIT	29	30	32
PLASTICITY INDEX	12	13	11
AASHTO SOIL	A-6(3)	A-6(3)	A-6(3)
UNIFIED SOIL			
% MOISTURE CONTENT	14.7	15.7	22.7
ACHMSC (IN)	9.0W	---	2.0X
ACHMBC (IN)	1.5	---	---
ACHMSC (IN)	---	---	6.0X
AGG. BASE CRS, CL-7 (IN)	8.0	---	10.0

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED
-
-
-
-

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 02/11/20	SEQUENCE NO.	- 7
JOB NUMBER	- 090558	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	- 04
SUPPLIER NAME	- STATE	DISTRICT NO.	- 09
NAME OF PROJECT	- SULPHUR SPRINGS - GENTRY (SEL. SECS.) (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- BENTON COUNTY	DATE SAMPLED	- 01/07/20
SAMPLED BY	- THORNTON/MCKINEY	DATE RECEIVED	- 01/09/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/11/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	-	20200094	-	-
SAMPLE ID	-	S23	-	-
TEST STATUS	-	INFORMATION ONLY	-	-
STATION	-	10.7	-	-
LOCATION	-	24 RT	-	-
DEPTH IN FEET	-	0-5	-	-
MAT'L COLOR	-	BROWN	-	-
MAT'L TYPE	-		-	-
LATITUDE DEG-MIN-SEC	-	36 22 5.70	-	-
LONGITUDE DEG-MIN-SEC	-	94 26 31.10	-	-
% PASSING	2	IN.	-	-
	1 1/2	IN.	-	-
	3/4	IN.	-	100
	3/8	IN.	-	99
	NO. 4		-	94
	NO. 10		-	88
	NO. 40		-	82
	NO. 80		-	80
	NO. 200		-	77
LIQUID LIMIT	-	57	-	-
PLASTICITY INDEX	-	33	-	-
AASHTO SOIL	-	A-7-6(26)	-	-
UNIFIED SOIL	-		-	-
% MOISTURE CONTENT	-	27.6	-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-
	-		-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED
-
-
-
-

AASHTO TESTS : T24 T88 T89 T90 T265
:

JOB: 090558
JOB NAME: SULPHUR SPRINGS - GENTRY (SEL. SECS.) (S)

Arkansas State Highway Transportation Department
 Materials Division
 Michael Benson, Materials Engineer

DATE TESTED
 2/11/2020

COUNTY NO. 4

STA.# LOC.

PAVEMENT SOUNDINGS

04.4	06 RT	ACHMSC 9.0W	ACHMBC 1.5	ACHMSC ---	AGG.BASE CRS,CL-7 8.0
04.4	22 RT	ACHMSC	ACHMBC	ACHMSC	AGG.BASE CRS,CL-7 ---
04.65	06 LT	ACHMSC 2.0X	ACHMBC	ACHMSC 6.0X	AGG.BASE CRS,CL-7 10.0
04.65	18 LT	ACHMSC	---	---	---
04.9	06 RT	ACHMSC 11.0W	AGG.BASE CRS,CL-7 8.0	---	AGG.BASE CRS,CL-7 8.0
04.9	24 RT	ACHMSC	AGG.BASE CRS,CL-7	---	---
05.15	06 RT	ACHMSC 10.5W	ACHMSC	ACHMSC	AGG.BASE CRS,CL-7 8.0
05.15	25 RT	ACHMSC	ACHMSC	ACHMSC	AGG.BASE CRS,CL-7 ---
05.4	06 LT	ACHMSC 4.5X	ACHMSC 2.0W	ACHMSC 2.0	AGG.BASE CRS,CL-7 10.0
09.8	06 RT	ACHMSC 14.0W	AGG.BASE CRS,CL-7 6.0	---	---
09.8	24 RT	ACHMSC	AGG.BASE CRS,CL-7	---	---
10.05	06 LT	ACHMSC 12.0W	AGG.BASE CRS,CL-7	---	---
10.05	15 LT	ACHMSC	ACHMBC	AGG.BASE CRS,CL-7	---
10.3	06 RT	ACHMSC 9.5W	ACHMBC 1.0	AGG.BASE CRS,CL-7 4.0	---
10.3	24 RT	ACHMSC	ACHMBC	AGG.BASE CRS,CL-7	---
10.55	06 LT	ACHMSC 2.0XW	ACHMSC 11.0	ACHMBC 1.5	AGG.BASE CRS,CL-7 3.0
10.55	21 LT	ACHMSC	ACHMSC	ACHMBC	AGG.BASE CRS,CL-7 ---

Comments: W=MULTIPLE LAYERS, X=STRIPPED

STA.# LOC.

PAYEMENT SOUNDINGS

10.7	06 RT	ACHMSC	ACHMSC	ACHMBC	AGG.BASE CRS,CL-7
		11.0WX	---	1.0	3.0

Comments: W=MULTIPLE LAYERS, X=STRIPPED

Tuesday, March 3, 2020