ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

SUBSURFACE INVESTIGATION

STATE JOB NO. BB0203

FEDERAL AID PROJECT NO. NHPP-530-5(4)34

HWY. 65B – HWY. 65 (F)

STATE HIGHWAY 530 **SECTION** 5

IN JEFFERSON **COUNTY**

LETTING OF JULY 19, 2017

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

August 24, 2016

TO: Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT: Job No. BB0203
Hwy. 65B – Hwy. 65 (F)
Route 530 Section 5
Jefferson County

Transmitted herewith is the requested Pavement Sounding, Resilient Modulus and strength data for the above referenced job. The project consists of rehabilitating approximately 11.75 miles of concrete paving on Interstate 530. Cores were taken at quarter-mile increments alternating between North and South bound lanes.

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

	Asphalt Concrete Hot Mix	
Type	**Asphalt Cement %**	**Mineral Aggregate %**
Surface Course	5.2	94.8
Binder Course	4.5	95.5
Base Course	3.9	96.1

Michael C. Benson
Materials Engineer

MCB:pt:bjj
Attachment
cc: State Constr. Eng. – Master File Copy
District 2 Engineer
System Information and Research Division
G. C. File

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

DATE - 08/24/2016
JOB NUMBER - BB0203

SEQUENCE NO. - 1
MATERIAL CODE - SSRVPS
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

JOB NAME - HWY.65B - WHY.65(F)

STATION LIMITS	R-VALUE AT 240 psi
STA.269-380+00	LESS THAN 5
ALL OTHER STA.S	10
RESILIENT MODULUS	
STA.64+00	6315
STA.107+00	6063
STA.159+00	6889
STA.211+00	7979
STA.269+00	4096

REMARKS -
-

AASHTO TESTS : T190

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

DATE - 08/24/2016
JOB NUMBER - BB0203

SEQUENCE NO. - 2
MATERIAL CODE - SSRVPS
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

JOB NAME - HWY.65B - WHY.65(F)

STATION LIMITS	R-VALUE AT 240 psi
RESILIENT MODULUS	
STA.310+00	6377
STA.380+00	6641
STA.434+00	5764
STA.536+00	7214
STA.595+00	7184

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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	64+00
Date Tested:	August 9, 2016	**Location:**	
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162469	**AASHTO Class:**	A-4(2)
Sample ID:	RV281	**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):	12.27
Initial Volume, AoLo (cu. in):	98.39

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3265.50

4. Soil Properties:

Optimum Moisture Content (%):	13.8
Maximum Dry Density (pcf):	113.3
95% of MDD (pcf):	107.6
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3265.50
Compaction Moisture content (%):	13.9
Compaction Wet Density (pcf):	126.45
Compaction Dry Density (pcf):	111.02
Moisture Content After Mr Test (%):	14.1

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

7. Resilient Modulus, Mr: 9916(Sc)^-0.34673(S3)^0.38005

8. Comments _____

9. Tested By: DEB **Date:** August 9, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	64+00
Date Tested:	August 9, 2016	**Location:**	
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162469	**AASHTO Class:**	A-4(2)
Sample ID:	RV281	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.1	22.5	2.6	2.0	1.8	0.2	0.00095	0.00012	15,530
Sequence 2	6.0	4.0	47.1	44.5	2.6	3.8	3.6	0.2	0.00215	0.00027	13,500
Sequence 3	6.0	6.0	69.1	65.8	3.3	5.6	5.4	0.3	0.00363	0.00045	11,844
Sequence 4	6.0	8.0	91.4	85.6	5.8	7.5	7.0	0.5	0.00560	0.00070	9,988
Sequence 5	6.0	10.0	113.3	105.0	8.3	9.2	8.6	0.7	0.00779	0.00097	8,808
Sequence 6	4.0	2.0	25.0	22.4	2.6	2.0	1.8	0.2	0.00112	0.00014	13,117
Sequence 7	4.0	4.0	46.1	43.5	2.6	3.8	3.5	0.2	0.00265	0.00033	10,744
Sequence 8	4.0	6.0	66.4	63.8	2.6	5.4	5.2	0.2	0.00446	0.00056	9,355
Sequence 9	4.0	8.0	88.9	84.0	4.9	7.2	6.8	0.4	0.00650	0.00081	8,446
Sequence 10	4.0	10.0	110.7	103.2	7.5	9.0	8.4	0.6	0.00875	0.00109	7,708
Sequence 11	2.0	2.0	24.6	22.0	2.6	2.0	1.8	0.2	0.00138	0.00017	10,414
Sequence 12	2.0	4.0	45.2	42.4	2.8	3.7	3.5	0.2	0.00322	0.00040	8,596
Sequence 13	2.0	6.0	64.5	61.7	2.8	5.3	5.0	0.2	0.00540	0.00067	7,469
Sequence 14	2.0	8.0	85.1	80.6	4.5	6.9	6.6	0.4	0.00776	0.00097	6,790
Sequence 15	2.0	10.0	106.3	99.2	7.0	8.7	8.1	0.6	0.01027	0.00128	6,315

TESTED BY DEB DATE August 9, 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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	64+00
Date Tested:	August 9, 2016	**Location:**	
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162469	**AASHTO Class:**	A-4(2)
Sample ID:	RV281	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

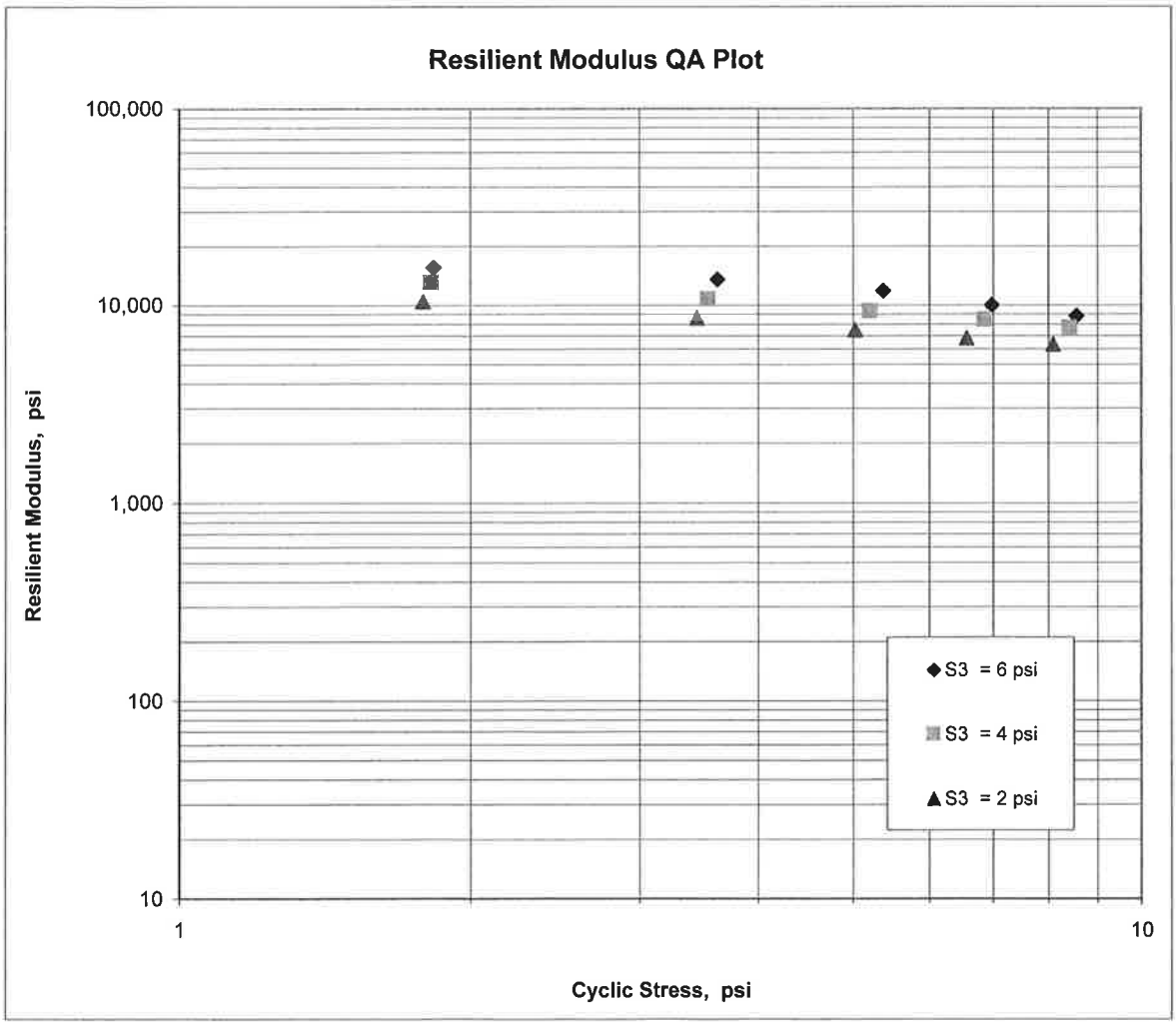
$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 9,916

K2 = -0.34673

K5 = 0.38005

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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	107+00
Date Tested:	August 9, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162418	**AASHTO Class:**	A-4(0)
Sample ID:	RV271	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.96
Middle	3.96
Bottom	3.96
Average	3.96
Membrane Thickness (in):	0.01
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):	12.25
Initial Volume, AoLo (cu. in):	97.98

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3343.60

4. Soil Properties:

Optimum Moisture Content (%):	12.7
Maximum Dry Density (pcf):	117.5
95% of MDD (pcf):	111.6
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3343.60
Compaction Moisture content (%):	13.3
Compaction Wet Density (pcf):	130.02
Compaction Dry Density (pcf):	114.76
Moisture Content After Mr Test (%):	13.1

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

7. Resilient Modulus, Mr: 5572(Sc)^-0.13618(S3)^0.46599

8. Comments _____

9. Tested By: DEB **Date:** August 9, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	107+00
Date Tested:	August 9, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162418	**AASHTO Class:**	A-4(0)
Sample ID:	RV271	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.0	22.1	2.9	2.0	1.8	0.2	0.00121	0.00015	11,907
Sequence 2	6.0	4.0	47.1	44.2	2.9	3.8	3.6	0.2	0.00260	0.00032	11,106
Sequence 3	6.0	6.0	70.0	66.2	3.8	5.7	5.4	0.3	0.00401	0.00050	10,789
Sequence 4	6.0	8.0	93.0	86.7	6.3	7.6	7.1	0.5	0.00568	0.00071	9,971
Sequence 5	6.0	10.0	116.1	107.2	8.8	9.5	8.8	0.7	0.00744	0.00093	9,418
Sequence 6	4.0	2.0	24.6	21.7	2.8	2.0	1.8	0.2	0.00146	0.00018	9,755
Sequence 7	4.0	4.0	45.5	42.6	2.9	3.7	3.5	0.2	0.00324	0.00041	8,583
Sequence 8	4.0	6.0	66.2	63.2	3.0	5.4	5.2	0.2	0.00507	0.00063	8,142
Sequence 9	4.0	8.0	89.2	83.7	5.4	7.3	6.8	0.4	0.00693	0.00087	7,892
Sequence 10	4.0	10.0	112.6	104.7	7.9	9.2	8.5	0.6	0.00870	0.00109	7,858
Sequence 11	2.0	2.0	23.9	21.0	2.9	1.9	1.7	0.2	0.00187	0.00023	7,348
Sequence 12	2.0	4.0	43.3	40.4	2.9	3.5	3.3	0.2	0.00411	0.00051	6,420
Sequence 13	2.0	6.0	62.6	59.6	3.0	5.1	4.9	0.2	0.00642	0.00080	6,063
Sequence 14	2.0	8.0	84.2	79.6	4.6	6.9	6.5	0.4	0.00857	0.00107	6,065
Sequence 15	2.0	10.0	106.1	99.0	7.1	8.7	8.1	0.6	0.01063	0.00133	6,087

TESTED BY DEB DATE August 9, 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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	107+00
Date Tested:	August 9, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162418	**AASHTO Class:**	A-4(0)
Sample ID:	RV271	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

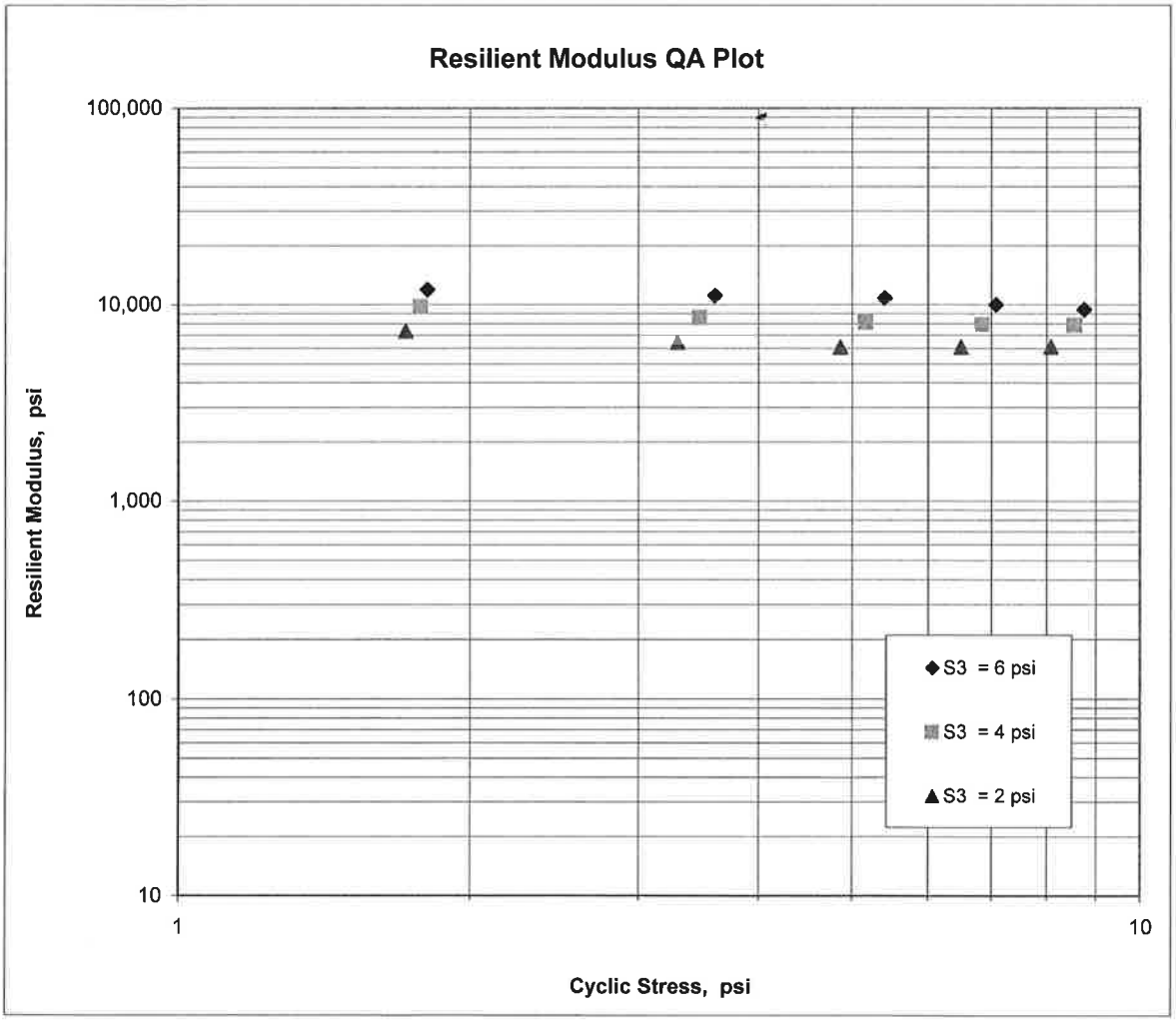
$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 5,572

K2 = -0.13618

K5 = 0.46599

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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	159+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162419	**AASHTO Class:**	A-4(0)
Sample ID:	RV272	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.96
Middle	3.96
Bottom	3.96
Average	3.96
Membrane Thickness (in):	0.01
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):	12.25
Initial Volume, AoLo (cu. in):	97.98

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3302.40

4. Soil Properties:

Optimum Moisture Content (%):	12.0
Maximum Dry Density (pcf):	116.8
95% of MDD (pcf):	111.0
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3302.40
Compaction Moisture content (%):	15.1
Compaction Wet Density (pcf):	128.42
Compaction Dry Density (pcf):	111.57
Moisture Content After Mr Test (%):	12.1

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

7. Resilient Modulus, Mr: 6102(Sc)^-0.08516(S3)^0.42977

8. Comments _____

9. Tested By: DEB **Date:** August 10, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	159+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162419	**AASHTO Class:**	A-4(0)
Sample ID:	RV272	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.3	22.4	2.8	2.1	1.8	0.2	0.00116	0.00014	12,661
Sequence 2	6.0	4.0	47.5	44.6	2.9	3.9	3.6	0.2	0.00244	0.00030	11,966
Sequence 3	6.0	6.0	70.7	67.0	3.7	5.8	5.5	0.3	0.00369	0.00046	11,863
Sequence 4	6.0	8.0	95.3	89.1	6.2	7.8	7.3	0.5	0.00516	0.00064	11,285
Sequence 5	6.0	10.0	119.7	111.1	8.7	9.8	9.1	0.7	0.00661	0.00083	10,978
Sequence 6	4.0	2.0	25.1	22.2	2.9	2.0	1.8	0.2	0.00137	0.00017	10,545
Sequence 7	4.0	4.0	46.9	44.0	2.9	3.8	3.6	0.2	0.00302	0.00038	9,527
Sequence 8	4.0	6.0	68.8	65.9	2.9	5.6	5.4	0.2	0.00475	0.00059	9,065
Sequence 9	4.0	8.0	93.5	88.1	5.3	7.6	7.2	0.4	0.00628	0.00079	9,161
Sequence 10	4.0	10.0	117.8	110.1	7.8	9.6	9.0	0.6	0.00793	0.00099	9,062
Sequence 11	2.0	2.0	24.7	21.8	2.8	2.0	1.8	0.2	0.00177	0.00022	8,062
Sequence 12	2.0	4.0	45.7	42.8	2.9	3.7	3.5	0.2	0.00386	0.00048	7,252
Sequence 13	2.0	6.0	67.1	64.2	2.9	5.5	5.2	0.2	0.00609	0.00076	6,889
Sequence 14	2.0	8.0	90.8	86.3	4.4	7.4	7.0	0.4	0.00797	0.00100	7,074
Sequence 15	2.0	10.0	114.6	107.7	6.9	9.4	8.8	0.6	0.00973	0.00122	7,231

TESTED BY DEB DATE August 10, 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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	159+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162419	**AASHTO Class:**	A-4(0)
Sample ID:	RV272	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

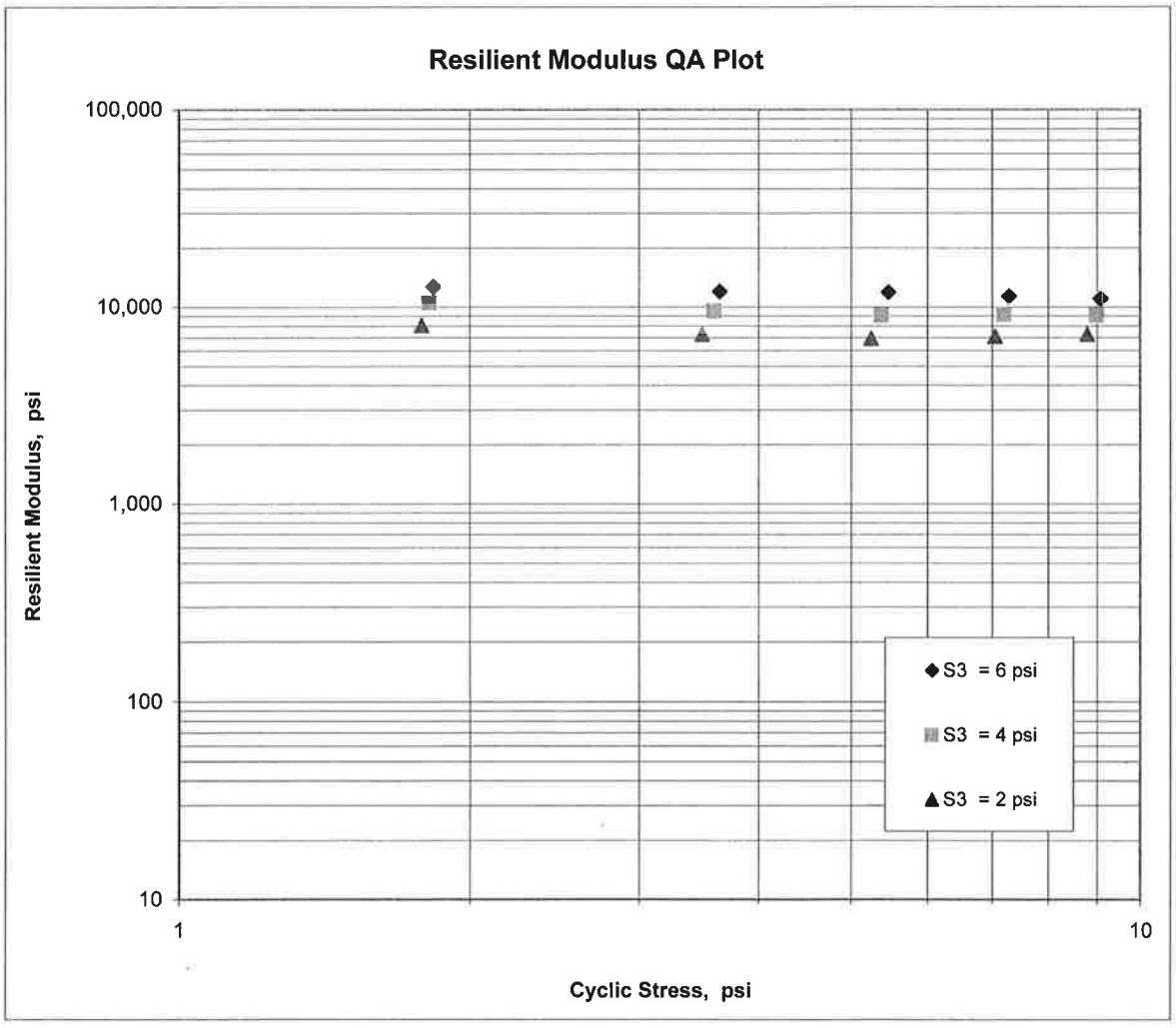
$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 6,102

K2 = -0.08516

K5 = 0.42977

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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	211+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162420	**AASHTO Class:**	A-4(0)
Sample ID:	RV273	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.96
Middle	3.95
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):	12.21
Initial Volume, AoLo (cu. in):	97.90

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3236.30

4. Soil Properties:

Optimum Moisture Content (%):	11.9
Maximum Dry Density (pcf):	118
95% of MDD (pcf):	112.1
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3236.30
Compaction Moisture content (%):	12.4
Compaction Wet Density (pcf):	125.96
Compaction Dry Density (pcf):	112.06
Moisture Content After Mr Test (%):	11.7

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

7. Resilient Modulus, Mr: 7824(Sc)^-0.14120(S3)^0.41224

8. Comments _____

9. Tested By: DEB/BH **Date:** August 10, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	211+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162420	**AASHTO Class:**	A-4(0)
Sample ID:	RV273	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	24.9	22.2	2.7	2.0	1.8	0.2	0.00097	0.00012	15,063
Sequence 2	6.0	4.0	47.0	44.2	2.8	3.8	3.6	0.2	0.00207	0.00026	14,021
Sequence 3	6.0	6.0	69.6	66.0	3.6	5.7	5.4	0.3	0.00326	0.00041	13,297
Sequence 4	6.0	8.0	93.4	87.3	6.1	7.7	7.1	0.5	0.00456	0.00057	12,576
Sequence 5	6.0	10.0	117.0	108.4	8.6	9.6	8.9	0.7	0.00594	0.00074	11,995
Sequence 6	4.0	2.0	24.8	22.1	2.8	2.0	1.8	0.2	0.00115	0.00014	12,656
Sequence 7	4.0	4.0	46.2	43.4	2.8	3.8	3.6	0.2	0.00253	0.00032	11,287
Sequence 8	4.0	6.0	67.1	64.3	2.9	5.5	5.3	0.2	0.00402	0.00050	10,511
Sequence 9	4.0	8.0	90.7	85.4	5.3	7.4	7.0	0.4	0.00549	0.00068	10,218
Sequence 10	4.0	10.0	114.3	106.5	7.8	9.4	8.7	0.6	0.00688	0.00086	10,170
Sequence 11	2.0	2.0	24.3	21.5	2.9	2.0	1.8	0.2	0.00144	0.00018	9,784
Sequence 12	2.0	4.0	44.9	42.0	2.9	3.7	3.4	0.2	0.00316	0.00039	8,734
Sequence 13	2.0	6.0	65.1	62.2	3.0	5.3	5.1	0.2	0.00502	0.00063	8,133
Sequence 14	2.0	8.0	87.2	82.7	4.5	7.1	6.8	0.4	0.00680	0.00085	7,992
Sequence 15	2.0	10.0	110.2	103.2	7.0	9.0	8.5	0.6	0.00850	0.00106	7,979

TESTED BY DEB/BH DATE August 10, 2016

REVIEWED BY _____ DATE _____

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

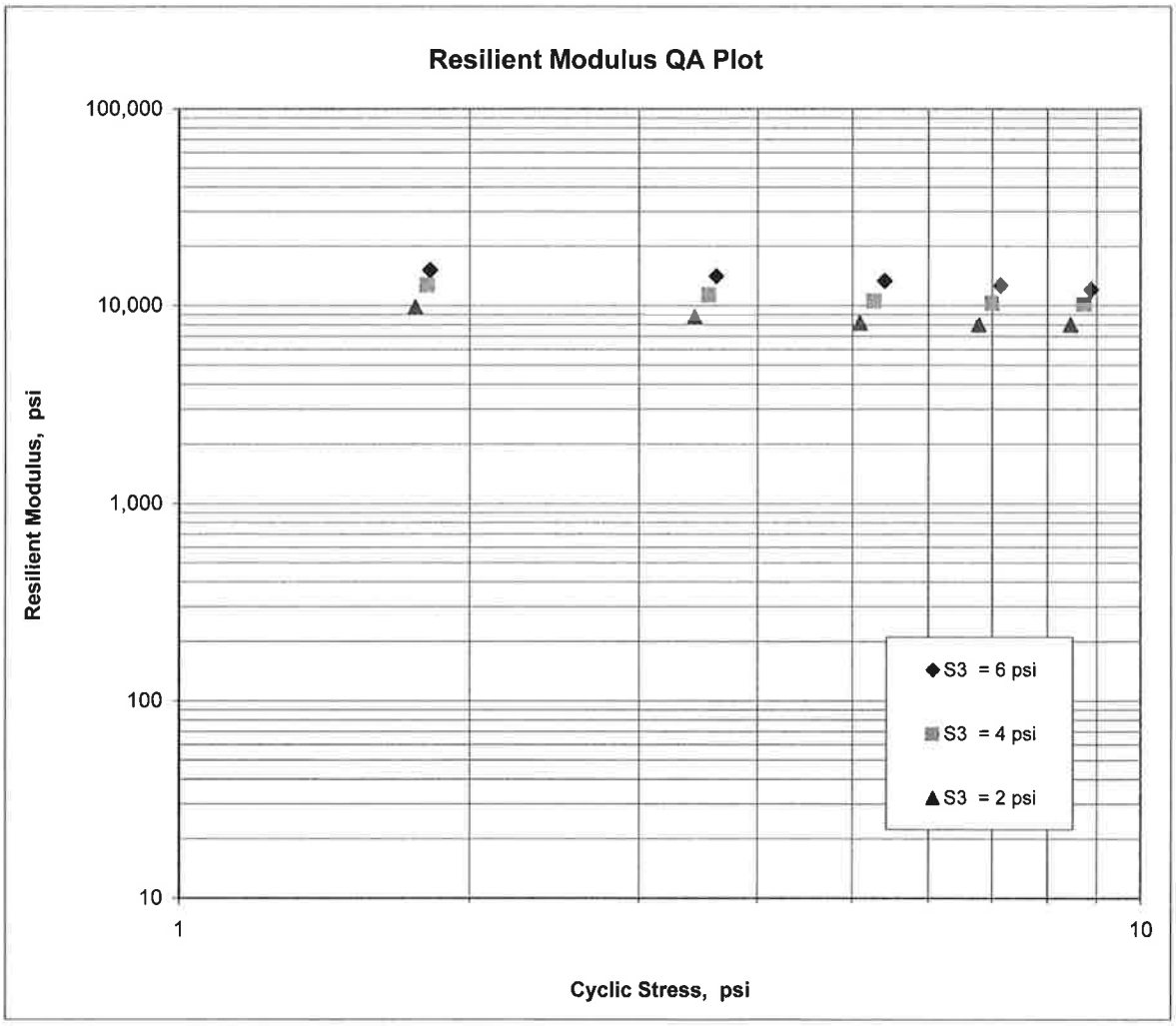
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	211+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162420	**AASHTO Class:**	A-4(0)
Sample ID:	RV273	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 7,824
K2 = -0.14120
K5 = 0.41224
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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	269+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162421	**AASHTO Class:**	A-6(4)
Sample ID:	RV274	**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	3.99
Middle	3.99
Bottom	3.99
Average	3.99
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):	12.43
Initial Volume, AoLo (cu. in):	99.73

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3252.80

4. Soil Properties:

Optimum Moisture Content (%):	14.8
Maximum Dry Density (pcf):	112.9
95% of MDD (pcf):	107.3
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3252.80
Compaction Moisture content (%):	15.5
Compaction Wet Density (pcf):	124.28
Compaction Dry Density (pcf):	107.60
Moisture Content After Mr Test (%):	15.1

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

7. Resilient Modulus, Mr: 8181(Sc)^-0.45121(S3)^0.33182

8. Comments _____

9. Tested By: DEB/BH **Date:** August 10, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	269+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162421	**AASHTO Class:**	A-6(4)
Sample ID:	RV274	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.5	22.7	2.7	2.0	1.8	0.2	0.00136	0.00017	10,777
Sequence 2	6.0	4.0	47.7	44.9	2.8	3.8	3.6	0.2	0.00307	0.00038	9,451
Sequence 3	6.0	6.0	69.9	66.1	3.9	5.6	5.3	0.3	0.00548	0.00068	7,771
Sequence 4	6.0	8.0	91.6	85.2	6.4	7.4	6.8	0.5	0.00907	0.00113	6,055
Sequence 5	6.0	10.0	113.4	104.4	8.9	9.1	8.4	0.7	0.01259	0.00157	5,348
Sequence 6	4.0	2.0	25.3	22.5	2.9	2.0	1.8	0.2	0.00156	0.00019	9,298
Sequence 7	4.0	4.0	46.8	43.9	2.9	3.8	3.5	0.2	0.00383	0.00048	7,387
Sequence 8	4.0	6.0	67.0	64.0	3.0	5.4	5.1	0.2	0.00683	0.00085	6,050
Sequence 9	4.0	8.0	89.4	83.8	5.6	7.2	6.7	0.5	0.01031	0.00129	5,247
Sequence 10	4.0	10.0	111.8	103.7	8.1	9.0	8.3	0.7	0.01397	0.00174	4,788
Sequence 11	2.0	2.0	25.2	22.3	2.9	2.0	1.8	0.2	0.00182	0.00023	7,904
Sequence 12	2.0	4.0	45.9	43.1	2.9	3.7	3.5	0.2	0.00454	0.00057	6,122
Sequence 13	2.0	6.0	65.3	62.4	2.9	5.2	5.0	0.2	0.00808	0.00101	4,979
Sequence 14	2.0	8.0	86.2	81.6	4.6	6.9	6.6	0.4	0.01197	0.00149	4,393
Sequence 15	2.0	10.0	108.2	101.0	7.2	8.7	8.1	0.6	0.01590	0.00198	4,096

TESTED BY DEB/BH DATE August 10, 2016

REVIEWED BY _____ DATE _____

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

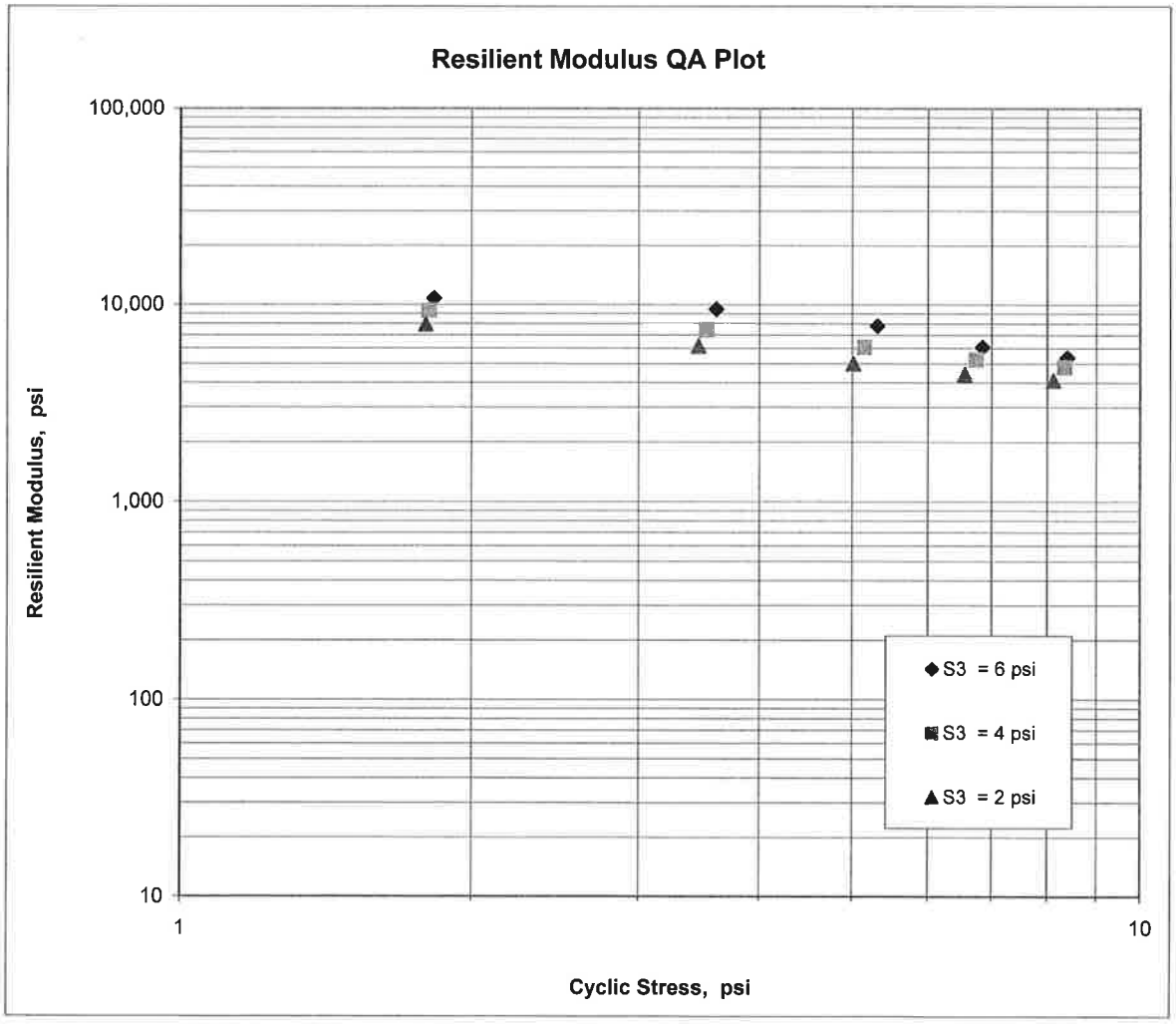
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/10/16	**Station No.:**	269+00
Date Tested:	August 10, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65 (F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162421	**AASHTO Class:**	A-6(4)
Sample ID:	RV274	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 8,181
K2 = -0.45121
K5 = 0.33182
R^2 = 0.96



ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/11/16	**Station No.:**	310+00
Date Tested:	August 12, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162422	**AASHTO Class:**	A-6(4)
Sample ID:	RV275	**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	3.98
Middle	3.97
Bottom	3.96
Average	3.97
Membrane Thickness (in):	0.00
Height of Specimen, Cap and Base (in):	8.04
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.04
Initial Area, Ao (sq. in):	12.38
Initial Volume, AoLo (cu. in):	99.52

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3171.40

4. Soil Properties:

Optimum Moisture Content (%):	13.6
Maximum Dry Density (pcf):	114.4
95% of MDD (pcf):	108.7
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3171.40
Compaction Moisture content (%):	14.2
Compaction Wet Density (pcf):	121.42
Compaction Dry Density (pcf):	106.32
Moisture Content After Mr Test (%):	13.1

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

7. Resilient Modulus, Mr: 9736(Sc)^-0.29219(S3)^0.29976

8. Comments _____

9. Tested By: DEB **Date:** August 12, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/11/16	**Station No.:**	310+00
Date Tested:	August 12, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162422	**AASHTO Class:**	A-6(4)
Sample ID:	RV275	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.4	22.5	2.8	2.0	1.8	0.2	0.00108	0.00013	13,544
Sequence 2	6.0	4.0	47.7	44.8	2.9	3.9	3.6	0.2	0.00238	0.00030	12,222
Sequence 3	6.0	6.0	70.5	66.7	3.8	5.7	5.4	0.3	0.00393	0.00049	11,007
Sequence 4	6.0	8.0	93.4	87.1	6.3	7.5	7.0	0.5	0.00602	0.00075	9,399
Sequence 5	6.0	10.0	115.9	107.0	8.9	9.4	8.6	0.7	0.00823	0.00102	8,445
Sequence 6	4.0	2.0	25.3	22.4	2.8	2.0	1.8	0.2	0.00122	0.00015	11,905
Sequence 7	4.0	4.0	47.1	44.2	2.9	3.8	3.6	0.2	0.00280	0.00035	10,271
Sequence 8	4.0	6.0	68.1	65.2	2.9	5.5	5.3	0.2	0.00466	0.00058	9,088
Sequence 9	4.0	8.0	91.1	85.7	5.5	7.4	6.9	0.4	0.00679	0.00084	8,191
Sequence 10	4.0	10.0	113.7	105.6	8.0	9.2	8.5	0.6	0.00909	0.00113	7,548
Sequence 11	2.0	2.0	25.1	22.3	2.8	2.0	1.8	0.2	0.00148	0.00018	9,833
Sequence 12	2.0	4.0	46.4	43.6	2.8	3.7	3.5	0.2	0.00325	0.00040	8,715
Sequence 13	2.0	6.0	66.7	63.8	2.9	5.4	5.2	0.2	0.00544	0.00068	7,610
Sequence 14	2.0	8.0	88.0	83.4	4.6	7.1	6.7	0.4	0.00789	0.00098	6,865
Sequence 15	2.0	10.0	109.9	102.7	7.2	8.9	8.3	0.6	0.01046	0.00130	6,377

TESTED BY DEB DATE August 12, 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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/11/16	**Station No.:**	310+00
Date Tested:	August 12, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162422	**AASHTO Class:**	A-6(4)
Sample ID:	RV275	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

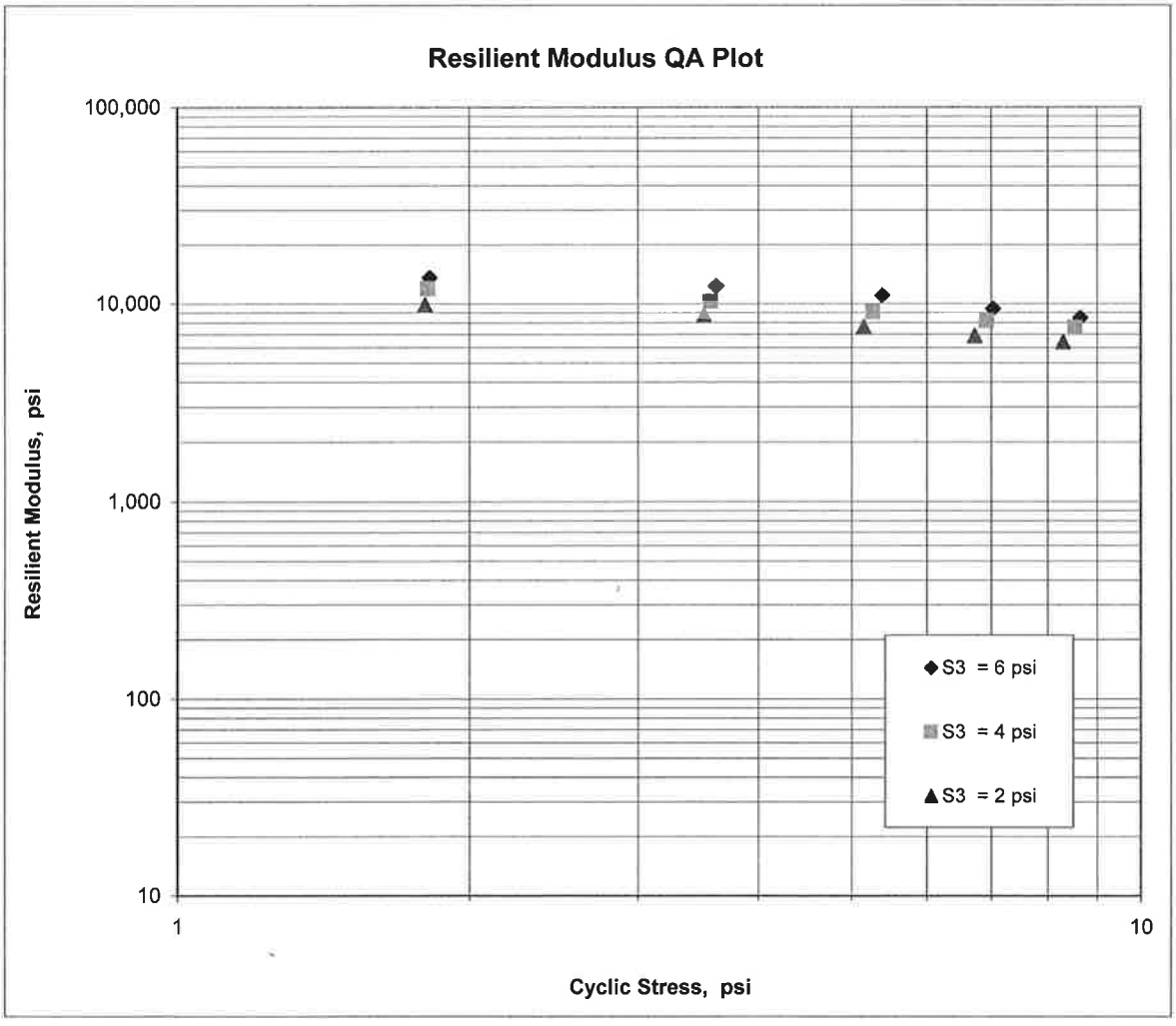
$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 9,736

K2 = -0.29219

K5 = 0.29976

R^2 = 0.97



ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/11/16	**Station No.:**	380+00
Date Tested:	August 12, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162423	**AASHTO Class:**	A-6(6)
Sample ID:	RV276	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.95
Middle	3.94
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):	12.17
Initial Volume, AoLo (cu. in):	97.57

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3093.30

4. Soil Properties:

Optimum Moisture Content (%):	17.6
Maximum Dry Density (pcf):	104.3
95% of MDD (pcf):	99.1
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3093.30
Compaction Moisture content (%):	17.9
Compaction Wet Density (pcf):	120.80
Compaction Dry Density (pcf):	102.46
Moisture Content After Mr Test (%):	17.6

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

7. Resilient Modulus, Mr: 12697(Sc)^-0.35836(S3)^0.19537

8. Comments _____

9. Tested By: DEB **Date:** August 12, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/11/16	**Station No.:**	380+00
Date Tested:	August 12, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162423	**AASHTO Class:**	A-6(6)
Sample ID:	RV276	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	24.9	22.2	2.7	2.0	1.8	0.2	0.00104	0.00013	14,081
Sequence 2	6.0	4.0	46.7	44.0	2.7	3.8	3.6	0.2	0.00239	0.00030	12,166
Sequence 3	6.0	6.0	68.8	65.4	3.5	5.7	5.4	0.3	0.00403	0.00050	10,702
Sequence 4	6.0	8.0	90.9	84.9	5.9	7.5	7.0	0.5	0.00621	0.00077	9,009
Sequence 5	6.0	10.0	111.9	103.7	8.2	9.2	8.5	0.7	0.00885	0.00110	7,726
Sequence 6	4.0	2.0	24.9	22.2	2.7	2.0	1.8	0.2	0.00115	0.00014	12,745
Sequence 7	4.0	4.0	46.4	43.6	2.7	3.8	3.6	0.2	0.00265	0.00033	10,853
Sequence 8	4.0	6.0	67.1	64.4	2.8	5.5	5.3	0.2	0.00450	0.00056	9,421
Sequence 9	4.0	8.0	89.1	84.0	5.1	7.3	6.9	0.4	0.00673	0.00084	8,236
Sequence 10	4.0	10.0	110.2	102.7	7.5	9.1	8.4	0.6	0.00931	0.00116	7,273
Sequence 11	2.0	2.0	24.8	22.1	2.7	2.0	1.8	0.2	0.00129	0.00016	11,255
Sequence 12	2.0	4.0	46.0	43.3	2.7	3.8	3.6	0.2	0.00296	0.00037	9,635
Sequence 13	2.0	6.0	66.3	63.6	2.7	5.4	5.2	0.2	0.00501	0.00062	8,374
Sequence 14	2.0	8.0	86.8	82.6	4.2	7.1	6.8	0.3	0.00739	0.00092	7,363
Sequence 15	2.0	10.0	108.2	101.6	6.7	8.9	8.3	0.5	0.01008	0.00126	6,641

TESTED BY DEB DATE August 12, 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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/11/16	**Station No.:**	380+00
Date Tested:	August 12, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162423	**AASHTO Class:**	A-6(6)
Sample ID:	RV276	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

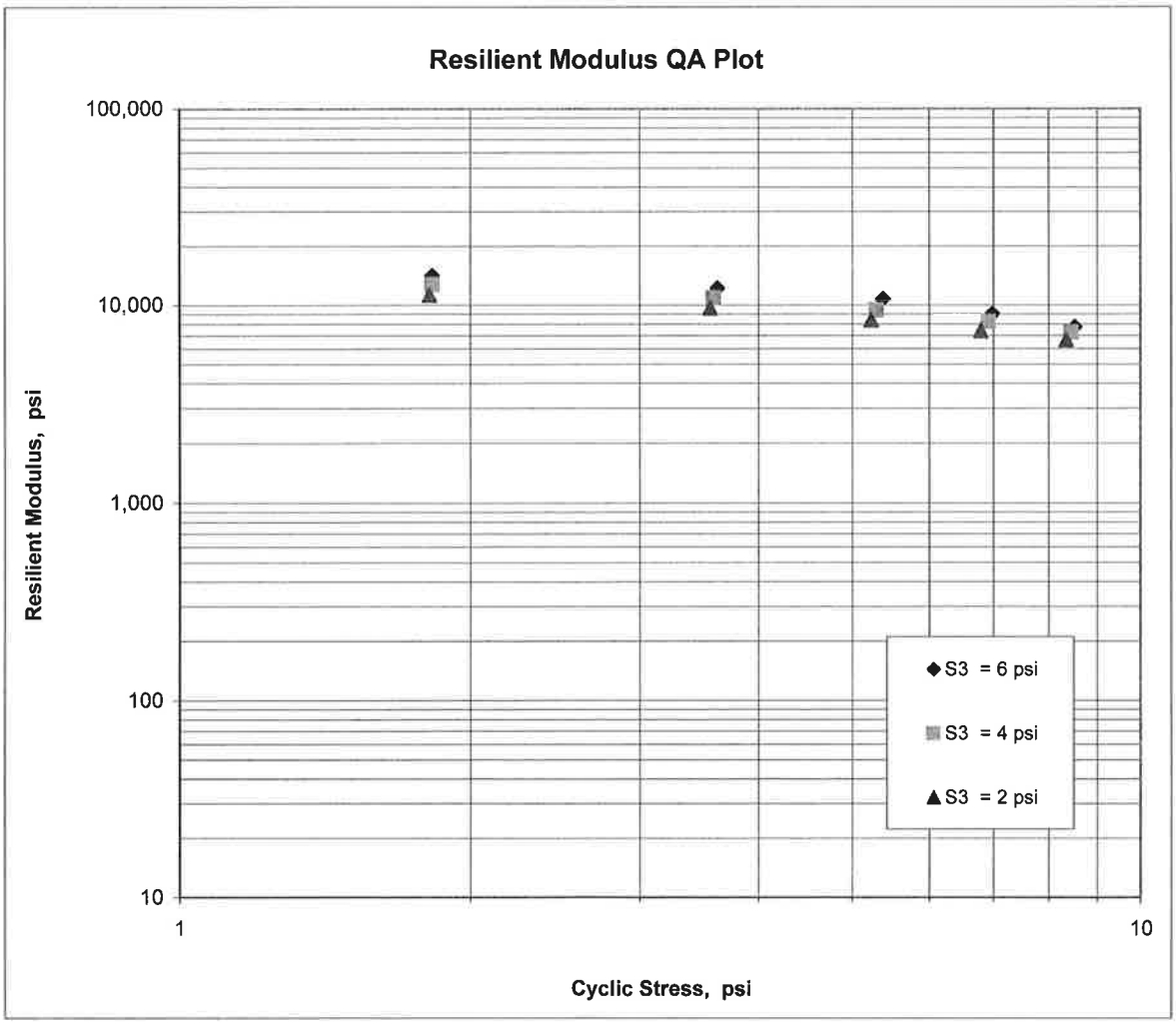
$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 12,697

K2 = -0.35836

K5 = 0.19537

R^2 = 0.95



ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/15/16	**Station No.:**	434+00
Date Tested:	August 15, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162424	**AASHTO Class:**	A-2-4(0)
Sample ID:	RV277	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.96
Middle	3.95
Bottom	3.96
Average	3.96
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):	12.23
Initial Volume, AoLo (cu. in):	97.82

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3262.60

4. Soil Properties:

Optimum Moisture Content (%):	10.3
Maximum Dry Density (pcf):	118.3
95% of MDD (pcf):	112.4
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3262.60
Compaction Moisture content (%):	10.2
Compaction Wet Density (pcf):	127.09
Compaction Dry Density (pcf):	115.32
Moisture Content After Mr Test (%):	10.3

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

7. Resilient Modulus, Mr: 4252(Sc)^0.03729(S3)^0.45807

8. Comments _____

9. Tested By: DEB **Date:** August 15, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/15/16	**Station No.:**	434+00
Date Tested:	August 15, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162424	**AASHTO Class:**	A-2-4(0)
Sample ID:	RV277	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.1	22.2	2.8	2.0	1.8	0.2	0.00141	0.00018	10,302
Sequence 2	6.0	4.0	47.5	44.6	2.9	3.9	3.7	0.2	0.00285	0.00036	10,251
Sequence 3	6.0	6.0	70.6	66.8	3.8	5.8	5.5	0.3	0.00416	0.00052	10,504
Sequence 4	6.0	8.0	95.0	88.7	6.2	7.8	7.3	0.5	0.00555	0.00069	10,469
Sequence 5	6.0	10.0	119.4	110.6	8.8	9.8	9.0	0.7	0.00688	0.00086	10,519
Sequence 6	4.0	2.0	24.7	21.8	2.9	2.0	1.8	0.2	0.00173	0.00022	8,236
Sequence 7	4.0	4.0	46.4	43.5	2.9	3.8	3.6	0.2	0.00357	0.00045	7,978
Sequence 8	4.0	6.0	68.3	65.3	3.0	5.6	5.3	0.2	0.00536	0.00067	7,982
Sequence 9	4.0	8.0	93.0	87.6	5.4	7.6	7.2	0.4	0.00674	0.00084	8,500
Sequence 10	4.0	10.0	116.6	108.7	7.9	9.5	8.9	0.6	0.00815	0.00102	8,731
Sequence 11	2.0	2.0	23.8	20.9	2.9	1.9	1.7	0.2	0.00225	0.00028	6,090
Sequence 12	2.0	4.0	44.2	41.3	2.9	3.6	3.4	0.2	0.00469	0.00059	5,764
Sequence 13	2.0	6.0	66.2	63.2	3.0	5.4	5.2	0.2	0.00661	0.00083	6,253
Sequence 14	2.0	8.0	88.0	83.5	4.5	7.2	6.8	0.4	0.00845	0.00106	6,468
Sequence 15	2.0	10.0	110.6	103.5	7.0	9.0	8.5	0.6	0.01020	0.00128	6,637

TESTED BY DEB DATE August 15, 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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/15/16	**Station No.:**	434+00
Date Tested:	August 15, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162424	**AASHTO Class:**	A-2-4(0)
Sample ID:	RV277	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

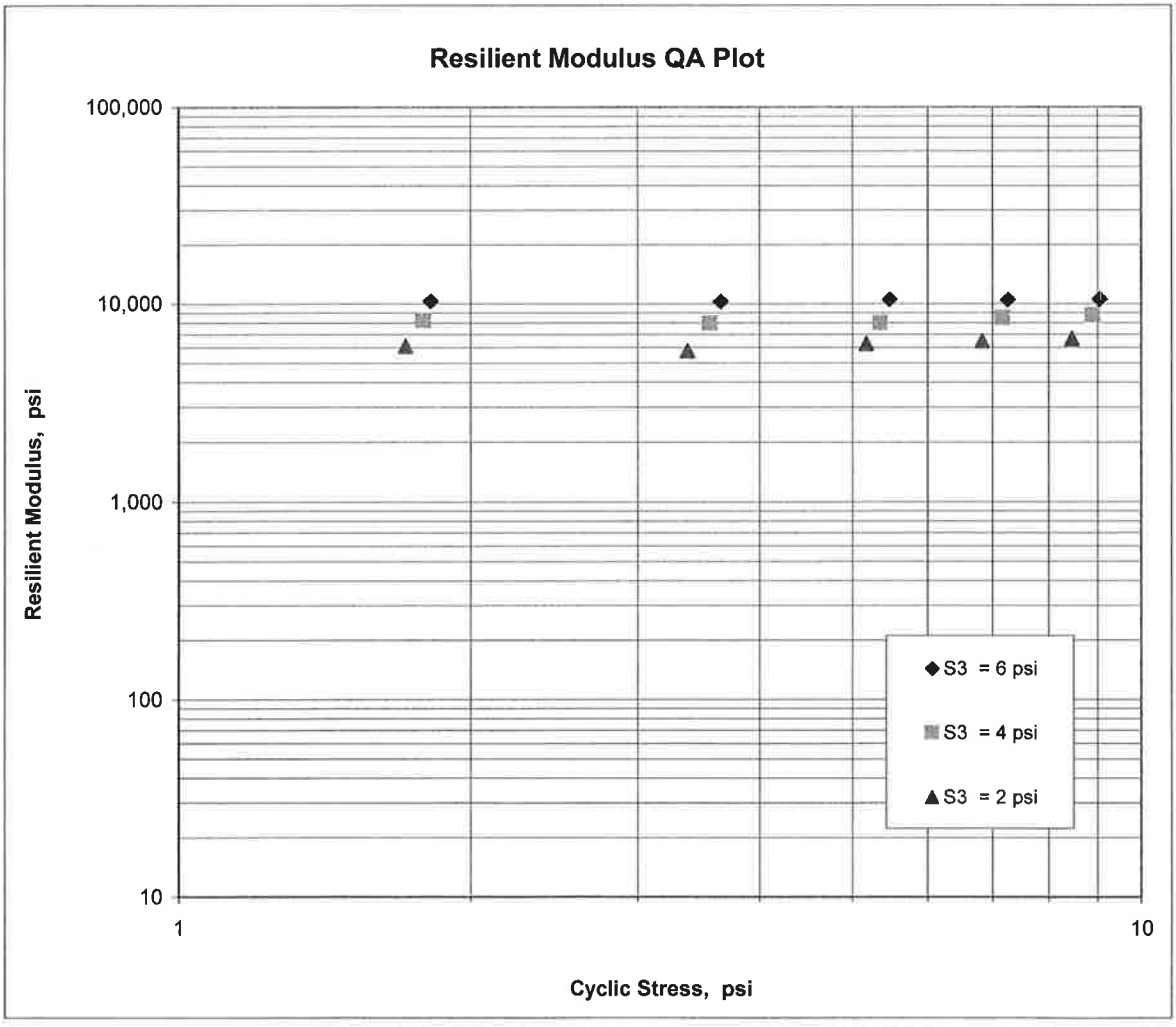
$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 4,252

K2 = 0.03729

K5 = 0.45807

R^2 = 0.97



ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/15/16	**Station No.:**	536+00
Date Tested:	August 15, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162426	**AASHTO Class:**	A-4(3)
Sample ID:	RV279	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.95
Middle	3.95
Bottom	3.94
Average	3.95
Membrane Thickness (in):	0.01
Height of Specimen, Cap and Base (in):	8.01
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.01
Initial Area, Ao (sq. in):	12.17
Initial Volume, AoLo (cu. in):	97.44

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3167.20

4. Soil Properties:

Optimum Moisture Content (%):	14.8
Maximum Dry Density (pcf):	111.8
95% of MDD (pcf):	106.2
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3167.20
Compaction Moisture content (%):	14.8
Compaction Wet Density (pcf):	123.84
Compaction Dry Density (pcf):	107.88
Moisture Content After Mr Test (%):	15.1

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

7. Resilient Modulus, Mr: 8377(Sc)^-0.18151(S3)^0.32391

8. Comments

9. Tested By: DEB **Date:** August 15, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/15/16	**Station No.:**	536+00
Date Tested:	August 15, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162426	**AASHTO Class:**	A-4(3)
Sample ID:	RV279	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	24.7	21.8	2.8	2.0	1.8	0.2	0.00111	0.00014	12,990
Sequence 2	6.0	4.0	46.1	43.2	2.9	3.8	3.6	0.2	0.00233	0.00029	12,189
Sequence 3	6.0	6.0	67.8	64.1	3.7	5.6	5.3	0.3	0.00361	0.00045	11,708
Sequence 4	6.0	8.0	89.8	83.6	6.2	7.4	6.9	0.5	0.00514	0.00064	10,716
Sequence 5	6.0	10.0	111.4	102.7	8.7	9.2	8.4	0.7	0.00674	0.00084	10,040
Sequence 6	4.0	2.0	24.4	21.6	2.8	2.0	1.8	0.2	0.00122	0.00015	11,626
Sequence 7	4.0	4.0	45.0	42.2	2.8	3.7	3.5	0.2	0.00268	0.00033	10,369
Sequence 8	4.0	6.0	64.8	61.9	2.9	5.3	5.1	0.2	0.00422	0.00053	9,657
Sequence 9	4.0	8.0	86.4	81.1	5.3	7.1	6.7	0.4	0.00585	0.00073	9,117
Sequence 10	4.0	10.0	107.9	100.1	7.8	8.9	8.2	0.6	0.00750	0.00094	8,789
Sequence 11	2.0	2.0	23.8	21.1	2.7	2.0	1.7	0.2	0.00142	0.00018	9,789
Sequence 12	2.0	4.0	43.5	40.7	2.9	3.6	3.3	0.2	0.00315	0.00039	8,494
Sequence 13	2.0	6.0	61.9	59.0	2.9	5.1	4.9	0.2	0.00500	0.00062	7,777
Sequence 14	2.0	8.0	81.7	77.3	4.4	6.7	6.4	0.4	0.00677	0.00085	7,512
Sequence 15	2.0	10.0	102.1	95.2	6.9	8.4	7.8	0.6	0.00869	0.00109	7,214

TESTED BY DEB DATE August 15, 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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/15/16	**Station No.:**	536+00
Date Tested:	August 15, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	20162426	**AASHTO Class:**	A-4(3)
Sample ID:	RV279	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

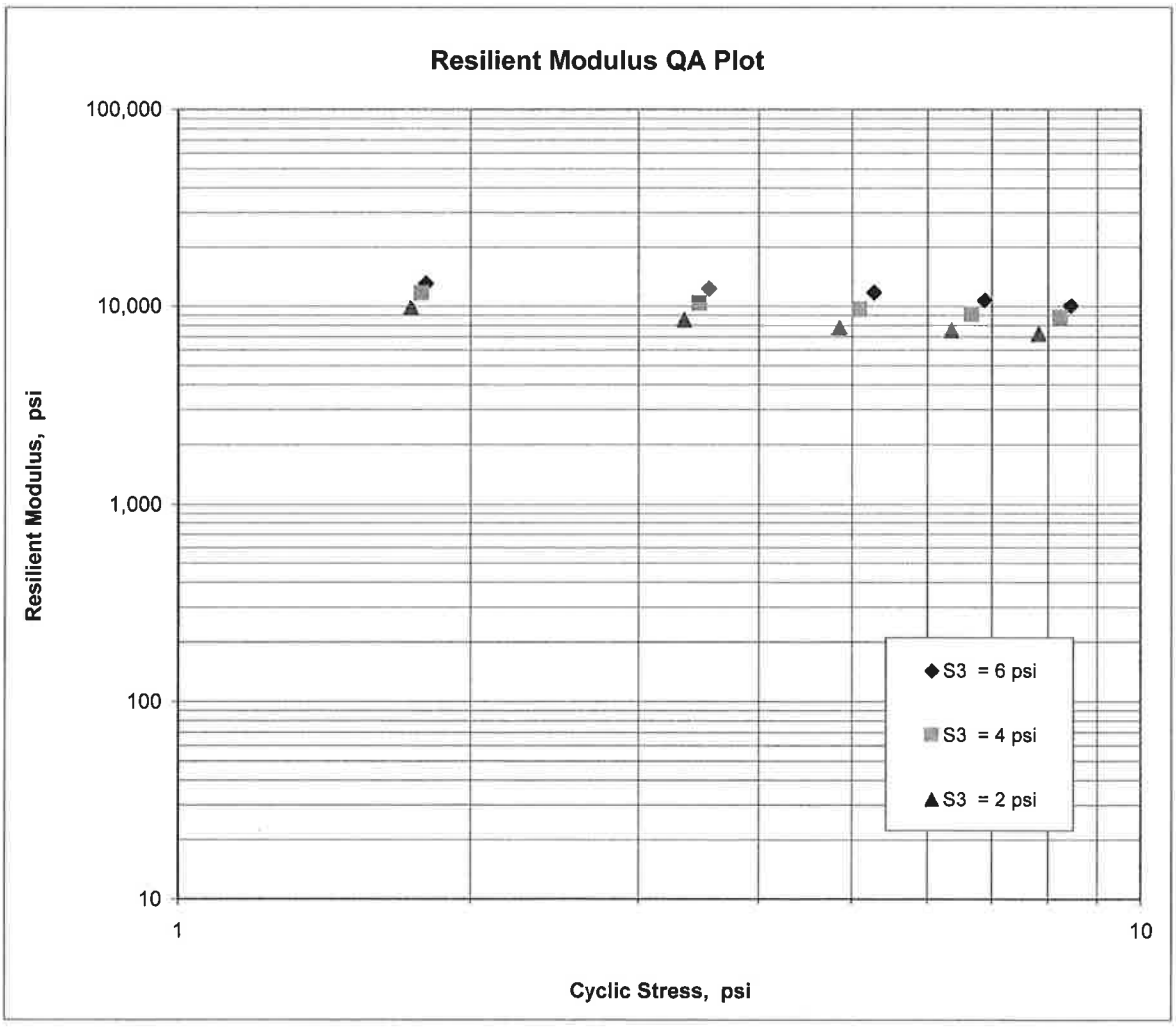
$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 8,377

K2 = -0.18151

K5 = 0.32391

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.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	595+00
Date Tested:	August 9, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162426	**AASHTO Class:**	A-4(0)
Sample ID:	RV280	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

1. Testing Information:

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

2. Specimen Information:

Specimen Diameter (in):	
Top	3.95
Middle	3.95
Bottom	3.95
Average	3.95
Membrane Thickness (in):	0.01
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):	12.19
Initial Volume, AoLo (cu. in):	97.73

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3253.50

4. Soil Properties:

Optimum Moisture Content (%):	13.3
Maximum Dry Density (pcf):	115.1
95% of MDD (pcf):	109.3
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3253.50
Compaction Moisture content (%):	13.3
Compaction Wet Density (pcf):	126.84
Compaction Dry Density (pcf):	111.95
Moisture Content After Mr Test (%):	13.2

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

7. Resilient Modulus, Mr: 6214(Sc)^-0.07011(S3)^0.40390

8. Comments _____

9. Tested By: DEB **Date:** August 9, 2016

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	595+00
Date Tested:	August 9, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162426	**AASHTO Class:**	A-4(0)
Sample ID:	RV280	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

PARAMETER	*Chamber Confining Pressure*	*Nominal Maximum Axial Stress*	*Actual Applied Max. Axial Load*	*Actual Applied Cyclic Load*	*Actual Applied Contact Load*	*Actual Applied Max. Axial Stress*	*Actual Applied Cyclic Stress*	*Actual Applied Contact Stress*	*Average Recov Def. LVDT 1 and 2*	*Resilient Strain*	*Resilient Modulus*
DESIGNATION	S_3	S_{cyclic}	P_{max}	P_{cyclic}	$P_{contact}$	S_{max}	S_{cyclic}	$S_{contact}$	H_{avg}	ε_r	M_r
UNIT	psi	psi	lbs	lbs	lbs	psi	psi	psi	in	in/in	psi
Sequence 1	6.0	2.0	25.1	22.3	2.8	2.1	1.8	0.2	0.00120	0.00015	12,197
Sequence 2	6.0	4.0	47.3	44.4	2.9	3.9	3.6	0.2	0.00245	0.00031	11,944
Sequence 3	6.0	6.0	70.3	66.6	3.8	5.8	5.5	0.3	0.00374	0.00047	11,702
Sequence 4	6.0	8.0	94.4	88.2	6.2	7.7	7.2	0.5	0.00516	0.00064	11,259
Sequence 5	6.0	10.0	118.6	110.0	8.7	9.7	9.0	0.7	0.00654	0.00082	11,060
Sequence 6	4.0	2.0	24.7	21.9	2.9	2.0	1.8	0.2	0.00137	0.00017	10,478
Sequence 7	4.0	4.0	46.5	43.6	2.9	3.8	3.6	0.2	0.00297	0.00037	9,653
Sequence 8	4.0	6.0	68.0	65.0	3.0	5.6	5.3	0.2	0.00461	0.00058	9,275
Sequence 9	4.0	8.0	92.1	86.7	5.4	7.6	7.1	0.4	0.00616	0.00077	9,259
Sequence 10	4.0	10.0	116.3	108.5	7.8	9.5	8.9	0.6	0.00766	0.00096	9,322
Sequence 11	2.0	2.0	24.3	21.5	2.9	2.0	1.8	0.2	0.00174	0.00022	8,110
Sequence 12	2.0	4.0	45.2	42.3	2.9	3.7	3.5	0.2	0.00373	0.00047	7,464
Sequence 13	2.0	6.0	65.9	62.9	3.0	5.4	5.2	0.2	0.00576	0.00072	7,184
Sequence 14	2.0	8.0	88.5	84.0	4.6	7.3	6.9	0.4	0.00765	0.00095	7,224
Sequence 15	2.0	10.0	112.0	104.9	7.1	9.2	8.6	0.6	0.00947	0.00118	7,294

TESTED BY DEB DATE August 9, 2016

REVIEWED BY _____ DATE _____

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

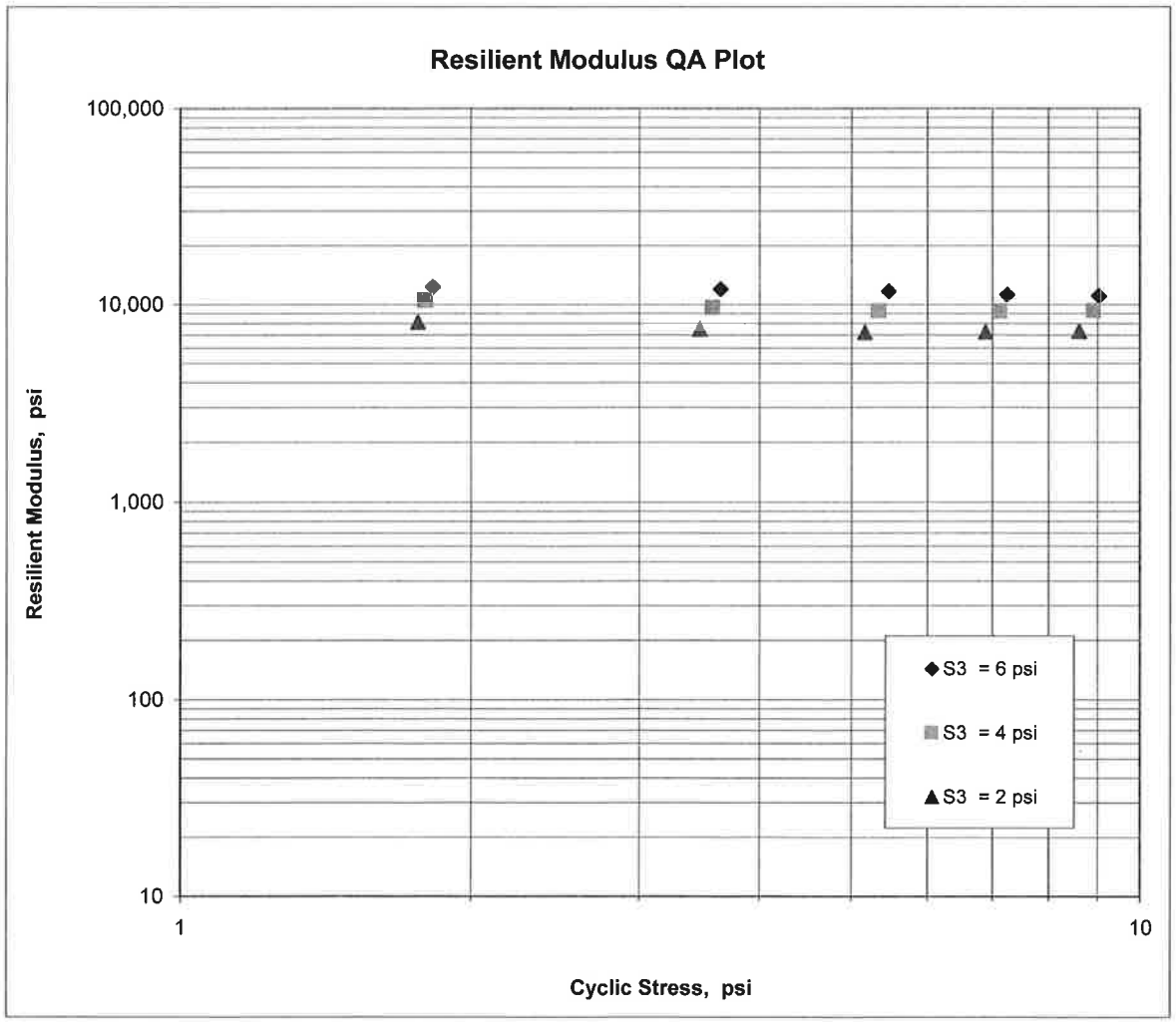
MATERIALS DIVISION

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

Job No.	BB0203	**Material Code**	SSRVPS
Date Sampled:	08/09/16	**Station No.:**	595+00
Date Tested:	August 9, 2016	**Location:**	CL
Name of Project:	HWY.65B - HWY.65(F)		
County:	**Code:** 35 **Name:** JEFFERSON		
Sampled By:	THORNTON	**Depth:**	0-5
Lab No.:	250162426	**AASHTO Class:**	A-4(0)
Sample ID:	RV280	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 6,214
K2 = -0.07011
K5 = 0.40390
R^2 = 0.99



JOB: BB0203
JOB NAME: HWY.65B - WHY.65(F)

COUNTY NO. 35

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

DATE TESTED
7/21/2016

PAVEMENT SOUNDINGS

STA.#	LOC.			
010+00	52RT	PCCP	ACHM SC	CEMENT T. BASE
		11.25	**0.5**	**---**
010+00	52LT	PCCP	ACHM SC	CEMENT T. BASE
		11.5	**1.0**	**5**
023+00	40LT	PCCP	ACHM SC	CEMENT T. BASE
		11.5	**1.0**	**---**
024+00	40RT	PCCP	ACHM SC	CEMENT T. BASE
		11.0	**1.5**	**---**
036+00	52RT	PCCP	ACHM SC	CEMENT T. BASE
		11.5	**.25**	**---**
037+00	52LT	PCCP	ACHM SC	CEMENT T. BASE
		11.5	**1.0**	**5.0**
051+00	40RT	PCCP	ACHM SC	
		11.25 C	**---**	
052+00	40LT	PCCP	ACHM SC	
		11.0	**1.0**	
064+00	52RT	PCCP	ACHM SC	
		11.25	**1.0**	
065+00	52LT	PCCP	ACHM SC	
		16.0	**1.0**	
082+00	42RT	PCCP	ACHM SC	
		11.5	**1.0**	
085+00	42LT	PCCP	ACHM SC	
		11.0 C	**-**	
094+00	52RT	PCCP	ACHM SC	
		11.5	**1.0**	
098+00	52LT	PCCP	ACHM SC	
		11.5	**1.0**	
107+00	40RT	PCCP	ACHM SC	
		11.5	**1.0**	
113+00	42LT	PCCP	ACHM SC	
		11.0	**1.0**	
120+00	52RT	PCCP	ACHM SC	
		11.0	**1.0**	

comments: C= CRACKED, W= MULTIPLE LAYERS

Wednesday, August 24, 2016

STA.#	LOC.	PAVEMENT SOUNDINGS		
125+00	52LT	PCCP	ACHM SC	
		11.0 C	**1.0**	
134+00	40RT	PCCP	CEMENT T. BASE	ACHM SC
		11.5	**5 W**	**---**
140+00	40LT	PCCP	CEMENT T. BASE	ACHM SC
		11.0	**---**	**1.0**
147+00	52RT	PCCP	CEMENT T. BASE	ACHM SC
		11.25	**---**	**1.0**
150+00	52LT	PCCP	ACHM SC	CEMENT T. BASE
		11.0	**1.0**	**5**
159+00	40RT	PCCP	ACHM SC	CEMENT T. BASE
		10.75	**---**	**5 W**
165+00	40LT	PCCP	ACHM SC	CEMENT T. BASE
		---	**---**	**---**
172+00	52RT	PCCP	ACHM SC	
		11.0	**1.25**	
175+00	52LT	PCCP	ACHM SC	
		---	**---**	
185+00	40RT	PCCP	ACHM SC	
		11.25	**1.0**	
194+00	40LT	PCCP	ACHM SC	
		---	**---**	
198+00	52RT	PCCP	ACHM SC	
		10.5	**1.0**	
207+00	52LT	PCCP	ACHM SC	
		---	**---**	
211+00	40RT	PCCP	ACHM SC	CEMENT T. BASE
		11.0	**1.0**	**---**
220+00	42LT	PCCP	ACHM SC	CEMENT T. BASE
		11.5	**1.0**	**2.0 C**
224+00	52RT	PCCP	ACHM SC	CEMENT T. BASE
		11.25	**1.0**	**---**
233+00	52LT	PCCP	ACHM SC	CEMENT T. BASE
		11.0	**1.0**	**5.0**
237+00	40RT	PCCP	ACHM SC	CEMENT T. BASE
		11.0	**0.25**	**---**
246+00	40LT	PCCP	ACHM SC	CEMENT T. BASE
		11.0	**---**	**5.0**

comments: C= CRACKED, W= MULTIPLE LAYERS

250+00	52RT	PCCP	CEMENT T. BASE		
		18	**---**		
259+00	52LT	PCCP	CEMENT T. BASE		
		11.0	**7.0**		
269+00	40RT	PCCP	CEMENT T. BASE		
		11.0	**---**		
272+00	40LT	PCCP	ACHM SC	CEMENT T. BASE	
		11.0	**6.75**	**---**	
282+00	52RT	PCCP	ACHM SC	CEMENT T. BASE	
		20	**2.5**	**---**	
285+00	52LT	PCCP	ACHM SC	CEMENT T. BASE	
		11.5	**---**	**5.0 W**	
300+00	40LT	PCCP	CEMENT T. BASE		
		11.5 C	**5.0**		
310+00	40RT	PCCP	CEMENT T. BASE		
		11.0	**---**		
315+00	52LT	PCCP	CEMENT T. BASE		
		11.0	**5.0**		
323+00	52RT	PCCP	ACHM SC	SOIL CEMENT	CEMENT T. BASE
		10	**1.5**	**18.0**	**---**
340+00	42RT	PCCP	ACHM SC	SOIL CEMENT	CEMENT T. BASE
		11.0	**---**	**---**	**5.0**
342+00	42LT	PCCP	ACHM SC	SOIL CEMENT	CEMENT T. BASE
		11.0	**---**	**---**	**5.0**
349+00	52RT	PCCP	CEMENT T. BASE		
		11.0	**---**		
355+00	52LT	PCCP	CEMENT T. BASE		
		11.5C	**5.0**		
367+00	42RT	PCCP	CEMENT T. BASE		
		11	**5**		
371+00	42LT	CHIP SEAL	PCCP	ACHM SC	
		---	**11.0**	**5**	
380+00	52RT	CHIP SEAL	PCCP	ACHM SC	
		2	**17**	**0.25**	
384+00	52LT	CHIP SEAL	PCCP	ACHM SC	
		---	**16C**	**---**	
397+00	40LT	PCCP	CEMENT T. BASE		
		12.0C	**---**		

comments: C= CRACKED, W= MULTIPLE LAYERS

STA.#	LOC.	PAVEMENT SOUNDINGS			
400+00	40RT	PCCP	CEMENT T. BASE		
		11.0	**5.0**		
410+00	52LT	PCCP	CEMENT T. BASE		
		15.0	**---**		
420+00	52RT	PCCP	ACHM SC	CEMENT T. BASE	
		20.0	**---**	**---**	
423+00	42LT	PCCP	ACHM SC	CEMENT T. BASE	
		12.0C	**---**	**5.0**	
434+00	42RT	PCCP	ACHM SC	CEMENT T. BASE	
		12.75	**1.5**	**---**	
436+00	52LT	PCCP	ACHM SC	CEMENT T. BASE	SOIL CEMENT
		11.0	**2.0**	**5.0**	
455+00	52RT	PCCP	ACHM SC	CEMENT T. BASE	SOIL CEMENT
		11.5	**1.0**	**6.75**	**4.5**
464+00	40LT	PCCP	ACHM SC	CEMENT T. BASE	SOIL CEMENT
		11.0 C	**1.0**	**---**	**---**
475+00	40RT	PCCP	ACHM SC	CEMENT T. BASE	
		11.0	**1.0**	**---**	
477+00	52LT	PCCP	ACHM SC	CEMENT T. BASE	
		11.0	**1.0**	**6.0**	
490+00	52LT	PCCP	ACHM SC	CEMENT T. BASE	
		11.0	**1.0 C**	**---**	
506+00	40LT	PCCP	ACHM SC	CEMENT T. BASE	
		13.0	**1.0**	**---**	
510+00	40RT	PCCP	ACHM SC	CEMENT T. BASE	
		12.0	**1.0**	**---**	
519+00	52LT	PCCP	ACHM SC	CEMENT T. BASE	
		12.0	**1.0**	**5.0**	
523+00	52RT	PCCP	ACHM SC	CEMENT T. BASE	
		12.0	**1.5**	**6.0**	
524+00	40RT	PCCP	ACHM SC	CEMENT T. BASE	
		11.5	**1.0**	**---**	
531+00	40LT	PCCP	ACHM SC	CEMENT T. BASE	
		12.0	**1.0**	**5.0**	
544+00	52LT	PCCP	ACHM SC	CEMENT T. BASE	
		11.5	**1.5**	**5.5**	
549+00	52RT	PCCP	ACHM SC	CEMENT T. BASE	
		12.25	**1.0**	**---**	

comments: C= CRACKED, W= MULTIPLE LAYERS

STA.#	LOC.	PAVEMENT SOUNDINGS		
559+00	40LT	PCCP	ACHM SC	CEMENT T. BASE
		13.5	**0.25**	**---**
565+00	40RT	PCCP	SOIL CEMENT	CEMENT T. BASE
		13.0	**1.0**	**---**
572+00	52LT	PCCP	SOIL CEMENT	CEMENT T. BASE
		11.0	**1.0**	**6.0 C**
575+00	52RT	PCCP	SOIL CEMENT	CEMENT T. BASE
		11.5	**---**	**6.0 C**
585+00	40LT	PCCP	ACHM SC	CEMENT T. BASE
		11.5	**1.0**	**5.0**
595+00	40RT	PCCP	ACHM SC	CEMENT T. BASE
		12.0	**1.0**	**---**

comments: C= CRACKED, W= MULTIPLE LAYERS

JOB: BB0203

JOB NAME: XXXXX

COUNTY NO.

DATE TESTED 8/14/2016

Arkansas State Highway Transporation Department

Materials Division

Michael Benson, Materials Engineer

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				SIEVE SIZE									
107+00	CL	0-5	BROWN	90	89	86	82	44	ND	NP	A-4(0)	RV271	
159+00	CL	0-5	BROWN	90	89	85	77	53	ND	NP	A-4(0)	RV272	
211+00	CL	0-5	BR/GR	78	77	72	64	44	19	04	A-4(0)	RV273	
269+00	CL	0-5	BROWN	94	93	86	78	54	27	14	A-6(4)	RV274	
310+00	CL	0-5	BROWN	98	97	90	84	61	25	12	A-6(4)	RV275	
380+00	CL	0-5	BROWN	100	100	95	87	58	30	16	A-6(6)	RV276	
434+00	CL	0-5	BROWN	96	94	84	57	29	ND	NP	A-2-4(0)	RV277	
488+00	CL	0-5	BROWN	95	91	88	78	55	ND	NP	A-4(0)	RV278	
536+00	CL	0-5	BROWN	100	100	100	100	92	22	05	A-4(3)	RV279	
595+00	CL	0-5	BROWN	97	97	96	91	74	ND	NP	A-4(0)	RV280	
64+00	CL	0-5	BROWN	97	96	89	80	53	25	10	A-4(2)	RV281	

comments:

Wednesday, August 17, 2016

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

DATE	- 08/17/16	SEQUENCE NO.	- 1
JOB NUMBER	- BB0203	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	- 35
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT	- XXXXX		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JEFFERSON, COUNTY	DATE SAMPLED	- 07/14/16
SAMPLED BY	- D.THORTON	DATE RECEIVED	- 07/14/16
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 08/14/16

MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS

LAB NUMBER	20162418	20162419	20162420
SAMPLE ID	RV271	RV272	RV273
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	107+00	159+00	211+00
LOCATION	CL	CL	CL
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BR/GR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 13 27.20	34 12 40.70	34 11 51.10
LONGITUDE DEG-MIN-SEC	92 04 35.90	92 04 18.80	92 04 12.50
% PASSING 2 IN.			
1 1/2 IN.		100	100
3/4 IN.	100	93	81
3/8 IN.	91	92	79
NO. 4	90	90	78
NO. 10	89	89	77
NO. 40	86	85	72
NO. 80	82	77	64
NO. 200	44	53	44
LIQUID LIMIT	ND	ND	19
PLASTICITY INDEX	NP	NP	04
AASHTO SOIL	A-4(0)	A-4(0)	A-4(0)
UNIFIED SOIL			
% MOISTURE CONTENT			

REMARKS -

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 - 08/17/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - XXXXX
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS

SEQUENCE NO. - 2
MATERIAL CODE - RV
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 08/14/16

LAB NUMBER	20162421	20162422	20162423
SAMPLE ID	RV274	RV275	RV276
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	269+00	310+00	380+00
LOCATION	CL	CL	CL
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 11 20.10	34 10 55.60	34 10 20.40
LONGITUDE DEG-MIN-SEC	92 03 16.00	92 02 34.60	92 01 23.00
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.	100	100	
3/8 IN.	97	99	
NO. 4	94	98	100
NO. 10	93	97	100
NO. 40	86	90	95
NO. 80	78	84	87
NO. 200	54	61	58
LIQUID LIMIT	27	25	30
PLASTICITY INDEX	14	12	16
AASHTO SOIL	A-6(4)	A-6(4)	A-6(6)
UNIFIED SOIL			
% MOISTURE CONTENT			

REMARKS -

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 - 08/17/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - XXXXX
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS

SEQUENCE NO. - 3
MATERIAL CODE - RV
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 08/14/16

LAB NUMBER	20162424	20162425	20162426
SAMPLE ID	RV277	RV278	RV279
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	434+00	488+00	536+00
LOCATION	CL	CL	CL
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 15.30	34 10 31.60	34 11 13.10
LONGITUDE DEG-MIN-SEC	92 00 20.30	91 59 21.50	91 58 54.00
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.	100		
3/8 IN.	98	100	
NO. 4	96	95	100
NO. 10	94	91	100
NO. 40	84	88	100
NO. 80	57	78	100
NO. 200	29	55	92
LIQUID LIMIT	ND	ND	22
PLASTICITY INDEX	NP	NP	05
AASHTO SOIL	A-2-4(0)	A-4(0)	A-4(3)
UNIFIED SOIL			
% MOISTURE CONTENT			

REMARKS -

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 - 08/17/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - XXXXX
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - SOIL SURVEY - RESISTANCE R-VALUE ACTUAL RESULTS

SEQUENCE NO. - 5
MATERIAL CODE - RV
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 08/14/16

LAB NUMBER	20162427	20162469
SAMPLE ID	RV280	RV281
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY
STATION	595+00	64+00
LOCATION	CL	CL
DEPTH IN FEET	0-5	0-5
MAT'L COLOR	BROWN	BROWN
MAT'L TYPE		
LATITUDE DEG-MIN-SEC	34 12 1.20	
LONGITUDE DEG-MIN-SEC	91 58 13.90	
% PASSING 2 IN.		
1 1/2 IN.		
3/4 IN.	100	100
3/8 IN.	99	99
NO. 4	97	97
NO. 10	97	96
NO. 40	96	89
NO. 80	91	80
NO. 200	74	53
LIQUID LIMIT	ND	25
PLASTICITY INDEX	NP	10
AASHTO SOIL	A-4(0)	A-4(2)
UNIFIED SOIL		
% MOISTURE CONTENT		

REMARKS -

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 1
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/21/16

LAB NUMBER	20162338	20162339	20162340
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	010+00	010+00	023+00
LOCATION	52LT	52RT	40LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 14 42.50	34 14 45.80	34 14 30.60
LONGITUDE DEG-MIN-SEC	92 05 37.00	92 05 47.00	92 05 23.20
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.5	11.25	11.5
ACHM SC (IN)	1.0	0.5	1.0
CEMENT T. BASE (IN)	5	---	---

REMARKS - C = CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 2
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/21/16

LAB NUMBER	20162341	20162342	20162343
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	024+00	036+00	037+00
LOCATION	40RT	52RT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 14 39.20	34 14 29.60	34 14 20.80
LONGITUDE DEG-MIN-SEC	92 05 32.40	92 05 24.00	92 05 15.60
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	11.5	11.5
ACHM SC (IN)	1.5	.25	1.0
CEMENT T. BASE (IN)	---	---	5.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 3
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162344	20162345	20162346
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	051+00	052+00	064+00
LOCATION	40RT	40LT	52RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 14 16.30	34 14 6.10	34 14 9.50
LONGITUDE DEG-MIN-SEC	92 05 13.80	92 05 3.90	92 05 8.60
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.25 C	11.0	11.25
ACHM SC (IN)	---	1.0	1.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 4
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162347	20162348	20162349
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	065+00	082+00	085+00
LOCATION	52LT	42RT	42LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 13 55.20	34 13 53.80	34 13 42.30
LONGITUDE DEG-MIN-SEC	92 04 53.90	92 04 54.30	92 04 42.50
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	16.0	11.5	11.0 C
ACHM SC (IN)	1.0	1.0	-

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 5
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162350	20162351	20162352
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	094+00	098+00	107+00
LOCATION	52RT	52LT	40RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 13 41.00	34 13 29.70	34 13 27.50
LONGITUDE DEG-MIN-SEC	92 04 43.10	92 04 35.30	92 04 36.70
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.5	11.5	11.5
ACHM SC (IN)	1.0	1.0	1.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 6
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162353	20162354	20162355
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	113+00	120+00	125+00
LOCATION	42LT	52RT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 13 20.20	34 13 19.30	34 13 10.30
LONGITUDE DEG-MIN-SEC	92 04 27.10	92 04 28.00	92 04 18.30
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	11.0	11.0 C
ACHM SC (IN)	1.0	1.0	1.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 7
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162356	20162357	20162358
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	134+00	140+00	147+00
LOCATION	40RT	40LT	52RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 13 7.50	34 12 53.90	34 12 57.20
LONGITUDE DEG-MIN-SEC	92 04 18.50	92 04 16.20	92 04 17.50
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.5	11.0	11.25
CEMENT T. BASE (IN)	5 W	---	---
ACHM SC (IN)	---	1.0	1.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 8
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162359	20162360	20162361
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	150+00	159+00	165+00
LOCATION	52LT	40RT	40LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 12 42.10	34 12 43.90	34 12 31.20
LONGITUDE DEG-MIN-SEC	92 04 17.00	92 04 18.40	92 04 17.70
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	10.75	---
ACHM SC (IN)	1.0	---	---
CEMENT T. BASE (IN)	5	5 W	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 9
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162362	20162363	20162364
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	172+00	175+00	185+00
LOCATION	52RT	52LT	40RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 12 34.50	34 12 19.10	34 12 16.70
LONGITUDE DEG-MIN-SEC	92 04 19.00	92 04 18.40	92 04 20.10
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	---	11.25
ACHM SC (IN)	1.25	---	1.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 10
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162365	20162366	20162367
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	194+00	198+00	207+00
LOCATION	40LT	52RT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 12 2.60	34 12 5.00	34 11 50.50
LONGITUDE DEG-MIN-SEC	92 04 17.50	92 04 19.60	92 04 8.90
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	---	10.5	---
ACHM SC (IN)	---	1.0	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 11
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162368	20162369	20162370
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	211+00	220+00	224+00
LOCATION	40RT	42LT	52RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 11 53.60	34 11 43.90	34 11 44.10
LONGITUDE DEG-MIN-SEC	92 04 14.30	92 03 57.20	92 04 1.60
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	11.5	11.25
ACHM SC (IN)	1.0	1.0	1.0
CEMENT T. BASE (IN)	---	2.0 C	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 12
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162371	20162372	20162373
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	233+00	237+00	246+00
LOCATION	52LT	40RT	40LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 11 39.80	34 11 41.20	34 11 33.70
LONGITUDE DEG-MIN-SEC	92 03 43.50	92 03 52.50	92 03 31.20
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	11.0	11.0
ACHM SC (IN)	1.0	0.25	---
CEMENT T. BASE (IN)	5.0	---	5.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 13
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162374	20162375	20162376
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	250+00	259+00	269+00
LOCATION	52RT	52LT	40RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 11 34.10	34 11 23.20	34 11 26.20
LONGITUDE DEG-MIN-SEC	92 03 34.10	92 03 17.90	92 03 23.80
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	18	11.0	11.0
CEMENT T. BASE (IN)	---	7.0	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 14
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162377	20162378	20162379
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	272+00	282+00	285+00
LOCATION	40LT	52RT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 11 14.60	34 11 13.00	34 11 6.60
LONGITUDE DEG-MIN-SEC	92 03 6.50	92 03 6.60	92 02 53.40
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	20	11.5
ACHM SC (IN)	6.75	2.5	---
CEMENT T. BASE (IN)	---	---	5.0 W

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 15
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162380	20162381	20162382
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	300+00	310+00	315+00
LOCATION	40LT	40RT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 59.50	34 10 58.90	34 10 51.50
LONGITUDE DEG-MIN-SEC	92 02 39.40	92 02 40.80	92 02 23.60
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.5 C	11.0	11.0
CEMENT T. BASE (IN)	5.0	---	5.0

REMARKS - C= CRACKED,

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 16
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162383	20162384	20162385
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	323+00	340+00	342+00
LOCATION	52RT	42RT	42LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 49.60	34 10 43.50	34 10 37.70
LONGITUDE DEG-MIN-SEC	92 02 22.50	92 02 10.50	92 01 56.40
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	10	11.0	11.0
ACHM SC (IN)	1.5	---	---
SOIL CEMENT (IN)	18.0	---	---
CEMENT T. BASE (IN)	---	5.0	5.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 17
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162386	20162387	20162388
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	349+00	355+00	367+00
LOCATION	52RT	52LT	42RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 37.70	34 10 29.80	34 10 30.80
LONGITUDE DEG-MIN-SEC	92 01 59.00	92 01 40.70	92 01 45.50
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	11.5C	11
CEMENT T. BASE (IN)	---	5.0	5

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 18
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162389	20162390	20162391
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	371+00	380+00	384+00
LOCATION	42LT	52RT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 23.80	34 10 21.20	34 10 19.70
LONGITUDE DEG-MIN-SEC	92 01 27.90	92 01 24.90	92 01 13.10
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
CHIP SEAL (IN)	---	2	---
PCCP (IN)	11.0	17	16C
ACHM SC (IN)	5	0.25	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 19
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162392	20162393	20162394
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	397+00	400+00	410+00
LOCATION	40LT	40RT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 18.60	34 10 18.10	34 10 17.70
LONGITUDE DEG-MIN-SEC	92 00 59.90	92 01 5.50	92 00 42.20
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	12.0C	11.0	15.0
CEMENT T. BASE (IN)	---	5.0	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 20
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162395	20162396	20162397
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	420+00	423+00	434+00
LOCATION	52RT	42LT	42RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 16.60	34 10 16.90	34 10 15.60
LONGITUDE DEG-MIN-SEC	92 00 42.30	92 00 27.60	92 00 24.20
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	20.0	12.0C	12.75
ACHM SC (IN)	---	---	1.5
CEMENT T. BASE (IN)	---	5.0	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 21
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162398	20162399	20162400
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	436+00	455+00	464+00
LOCATION	52LT	52RT	40LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 16.20	34 10 24.50	34 10 21.50
LONGITUDE DEG-MIN-SEC	92 00 12.80	91 59 47.00	91 59 39.10
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	11.5	11.0 C
ACHM SC (IN)	2.0	1.0	1.0
CEMENT T. BASE (IN)	5.0	6.75	---
SOIL CEMENT (IN)		4.5	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 22
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162401	20162402	20162403
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	475+00	477+00	490+00
LOCATION	40RT	52LT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 27.40	34 10 29.00	34 10 36.20
LONGITUDE DEG-MIN-SEC	91 59 27.60	91 59 26.60	91 59 19.40
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.0	11.0	11.0
ACHM SC (IN)	1.0	1.0	1.0 C
CEMENT T. BASE (IN)	---	6.0	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 23
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162404	20162405	20162406
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	506+00	510+00	519+00
LOCATION	40LT	40RT	52LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 10 53.50	34 10 54.40	34 11 4.90
LONGITUDE DEG-MIN-SEC	91 59 8.00	91 59 5.90	91 59 .80
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	13.0	12.0	12.0
ACHM SC (IN)	1.0	1.0	1.0
CEMENT T. BASE (IN)	---	---	5.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 24
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162407	20162408	20162409
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	523+00	524+00	531+00
LOCATION	52RT	40RT	40LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 11 7.90	34 11 1.90	34 11 19.50
LONGITUDE DEG-MIN-SEC	91 58 57.30	91 59 1.20	91 58 51.50
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	12.0	11.5	12.0
ACHM SC (IN)	1.5	1.0	1.0
CEMENT T. BASE (IN)	6.0	---	5.0

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 25
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162410	20162411	20162412
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	544+00	549+00	559+00
LOCATION	52LT	52RT	40LT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 11 30.70	34 11 24.50	34 11 37.60
LONGITUDE DEG-MIN-SEC	91 58 44.20	91 58 46.70	91 58 39.30
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	11.5	12.25	13.5
ACHM SC (IN)	1.5	1.0	0.25
CEMENT T. BASE (IN)	5.5	---	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 26
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162413	20162414	20162415
SAMPLE ID			
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	565+00	572+00	575+00
LOCATION	40RT	52LT	52RT
DEPTH IN FEET			
MAT'L COLOR			
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	34 11 38.50	34 11 49.20	34 11 42.50
LONGITUDE DEG-MIN-SEC	91 58 37.00	91 58 29.00	91 58 33.50
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.			
NO. 4			
NO. 10			
NO. 40			
NO. 80			
NO. 200			
LIQUID LIMIT			
PLASTICITY INDEX			
AASHTO SOIL			
UNIFIED SOIL			
% MOISTURE CONTENT			
PCCP (IN)	13.0	11.0	11.5
SOIL CEMENT (IN)	1.0	1.0	---
CEMENT T. BASE (IN)	---	6.0 C	6.0 C

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

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 - 08/24/16
JOB NUMBER - BB0203
FEDERAL AID NO. - TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.65B - WHY.65(F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - JEFFERSON, COUNTY
SAMPLED BY - D.THORTON
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

SEQUENCE NO. - 27
MATERIAL CODE - PSO
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 35
DISTRICT NO. - 02

DATE SAMPLED - 07/14/16
DATE RECEIVED - 07/14/16
DATE TESTED - 07/22/16

LAB NUMBER	20162416	20162417
SAMPLE ID		
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY
STATION	585+00	595+00
LOCATION	40LT	40RT
DEPTH IN FEET		
MAT'L COLOR		
MAT'L TYPE		
LATITUDE DEG-MIN-SEC	34 12 1.00	34 11 50.10
LONGITUDE DEG-MIN-SEC	91 58 15.50	91 58 26.00
% PASSING 2 IN.		
1 1/2 IN.		
3/4 IN.		
3/8 IN.		
NO. 4		
NO. 10		
NO. 40		
NO. 80		
NO. 200		
LIQUID LIMIT		
PLASTICITY INDEX		
AASHTO SOIL		
UNIFIED SOIL		
% MOISTURE CONTENT		
PCCP (IN)	11.5	12.0
ACHM SC (IN)	1.0	1.0
CEMENT T. BASE (IN)	5.0	---

REMARKS - C= CRACKED, W= MULTIPLE LAYERS

AASHTO TESTS : T24 T88 T89 T90 T265