ARKANSAS DEPARTMENT OF TRANSPORTATION

SUBSURFACE INVESTIGATION

STATE JOB NO. 100941

FEDERAL AID PROJECT NO. STPF-0011(47)

HWY. 62 INTERS. IMPVTS. (PIGGOTT) (S)

STATE HIGHWAY 62 **SECTION** 20

IN CLAY **COUNTY**

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

ARKANSAS DEPARTMENT OF TRANSPORTATION
ArDOT.gov | IDriveArkansas.com | Scott E. Bennett, P.E., Director
MATERIALS DIVISION
11301 West Baseline Road | P.O. Box 2261 | Little Rock, AR 72203-2261 | Phone: 501.569.2185 | Fax: 501.569.2368

March 9, 2018

TO: Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT: Job No. 100941
Hwy. 62 Inters. Impvts. (Piggott)(S)
Route 62 Section 20
Clay County

Transmitted herewith is the requested Soil Survey, strength data and Resilient Modulus test results for the above referenced job. The project consists of making improvements at 4 intersections on Highway 62 in Piggott. Samples were taken in the existing travel lanes and ditch line. There were no paved shoulders within the project limits.

Based on laboratory results of samples obtained, the subgrade soils consist primarily of low plasticity clayey sands. Cross-sections are not complete, but demonstrate the construction grade line will closely match that of the existing roadway. The subgrade soils are expected to provide a stable working platform with conventional processing if the weather is favorable during construction. There were no slides observed within the project limits.

Additional earthwork recommendations will be made upon request when plans are further developed and cross-sections are complete.

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

1. The Qualified Products List (QPL) indicates that Aggregate Base Course (Class CL-7) is available from commercial producers located in the vicinity of Pocahontas.

2. Asphalt Concrete Hot Mix

Type	Asphalt Cement %	Mineral Aggregate %
Surface Course	5.2	94.8
Binder Course	4.1	95.9
Base Course	3.9	96.1

Michael C. Benson
Materials Engineer

MCB:pt:bjj
Attachment
cc: State Constr. Eng. – Master File Copy
District 10 Engineer
System Information and Research Div.
G. C. File

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

DATE - 02/09/2018
JOB NUMBER - 100941

SEQUENCE NO. - 1
MATERIAL CODE - SSRV
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 11
DISTRICT NO. - 10

JOB NAME - HWY.62 INTERS. IMPVTS.(PIGGOT)(S)

STATION LIMITS	R-VALUE AT 240 psi
BEGIN JOB - END JOB	LESS THAN 5
RESILIENT MODULUS	
STA. 206 + 00	10174

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.	100941	**Material Code**	SSRVPS
Date Sampled:	1/10/18	**Station No.:**	206+00
Date Tested:	February 6, 2018	**Location:**	12'LT
Name of Project:	HWT. 62 INTERS. IMPVTS. (PIGGOTT)(S)		
County:	**Code:** 11 **Name:** CLAY		
Sampled By:	THORNTON/FRAZIER	**Depth:**	0-5
Lab No.:	20180064	**AASHTO Class:**	A-6 (11)
Sample ID:	RV969	**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):	8.03
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.03
Initial Area, Ao (sq. in):	12.16
Initial Volume, AoLo (cu. in):	97.64

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3150.00

4. Soil Properties:

Optimum Moisture Content (%):	16.5
Maximum Dry Density (pcf):	108.3
95% of MDD (pcf):	102.9
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3150.00
Compaction Moisture content (%):	16.7
Compaction Wet Density (pcf):	122.93
Compaction Dry Density (pcf):	105.33
Moisture Content After Mr Test (%):	16.4

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

7. Resilient Modulus, Mr: 11030(Sc)^-0.10524(S3)^0.20087

8. Comments _____

_____

9. Tested By: GW **Date:** February 6, 2018

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	100941	**Material Code**	SSRVPS
Date Sampled:	1/10/18	**Station No.:**	206+00
Date Tested:	February 6, 2018	**Location:**	12'LT
Name of Project:	HWT. 62 INTERS. IMPVTS. (PIGGOTT)(S)		
County:	**Code:** 11 **Name:** CLAY		
Sampled By:	THORNTON/FRAZIER	**Depth:**	0-5
Lab No.:	20180064	**AASHTO Class:**	A-6 (11)
Sample ID:	RV969	**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	22.6	2.7	2.1	1.9	0.2	0.00102	0.00013	14,659
Sequence 2	6.0	4.0	47.4	44.7	2.7	3.9	3.7	0.2	0.00205	0.00026	14,391
Sequence 3	6.0	6.0	70.1	66.6	3.5	5.8	5.5	0.3	0.00318	0.00040	13,816
Sequence 4	6.0	8.0	93.3	87.3	6.0	7.7	7.2	0.5	0.00453	0.00056	12,737
Sequence 5	6.0	10.0	116.5	108.1	8.4	9.6	8.9	0.7	0.00594	0.00074	12,024
Sequence 6	4.0	2.0	25.1	22.3	2.8	2.1	1.8	0.2	0.00109	0.00014	13,563
Sequence 7	4.0	4.0	47.0	44.3	2.7	3.9	3.6	0.2	0.00230	0.00029	12,693
Sequence 8	4.0	6.0	68.7	66.0	2.7	5.7	5.4	0.2	0.00357	0.00044	12,218
Sequence 9	4.0	8.0	91.9	86.7	5.1	7.6	7.1	0.4	0.00486	0.00060	11,796
Sequence 10	4.0	10.0	115.2	107.6	7.6	9.5	8.8	0.6	0.00630	0.00078	11,282
Sequence 11	2.0	2.0	25.0	22.2	2.8	2.1	1.8	0.2	0.00127	0.00016	11,561
Sequence 12	2.0	4.0	46.7	43.9	2.8	3.8	3.6	0.2	0.00259	0.00032	11,199
Sequence 13	2.0	6.0	67.8	65.0	2.8	5.6	5.3	0.2	0.00399	0.00050	10,752
Sequence 14	2.0	8.0	90.4	86.1	4.2	7.4	7.1	0.3	0.00544	0.00068	10,448
Sequence 15	2.0	10.0	113.1	106.5	6.7	9.3	8.8	0.5	0.00691	0.00086	10,174

TESTED BY GW DATE February 6, 2018

REVIEWED BY _____ DATE _____

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

MATERIALS DIVISION

AASHTO T 307-99 - RESILIENT MODULUS OF SUBGRADE SOILS

RECOMPACTED / THINWALL TUBE SAMPLES

Job No.	100941	**Material Code**	SSRVPS
Date Sampled:	1/10/18	**Station No.:**	206+00
Date Tested:	February 6, 2018	**Location:**	12'LT
Name of Project:	HWT. 62 INTERS. IMPVTS. (PIGGOTT)(S)		
County:	**Code:** 11 **Name:** CLAY		
Sampled By:	THORNTON/FRAZIER	**Depth:**	0-5
Lab No.:	20180064	**AASHTO Class:**	A-6 (11)
Sample ID:	RV969	**Material Type (1 or 2):**	2
LATITUDE:		**LONGITUDE:**	

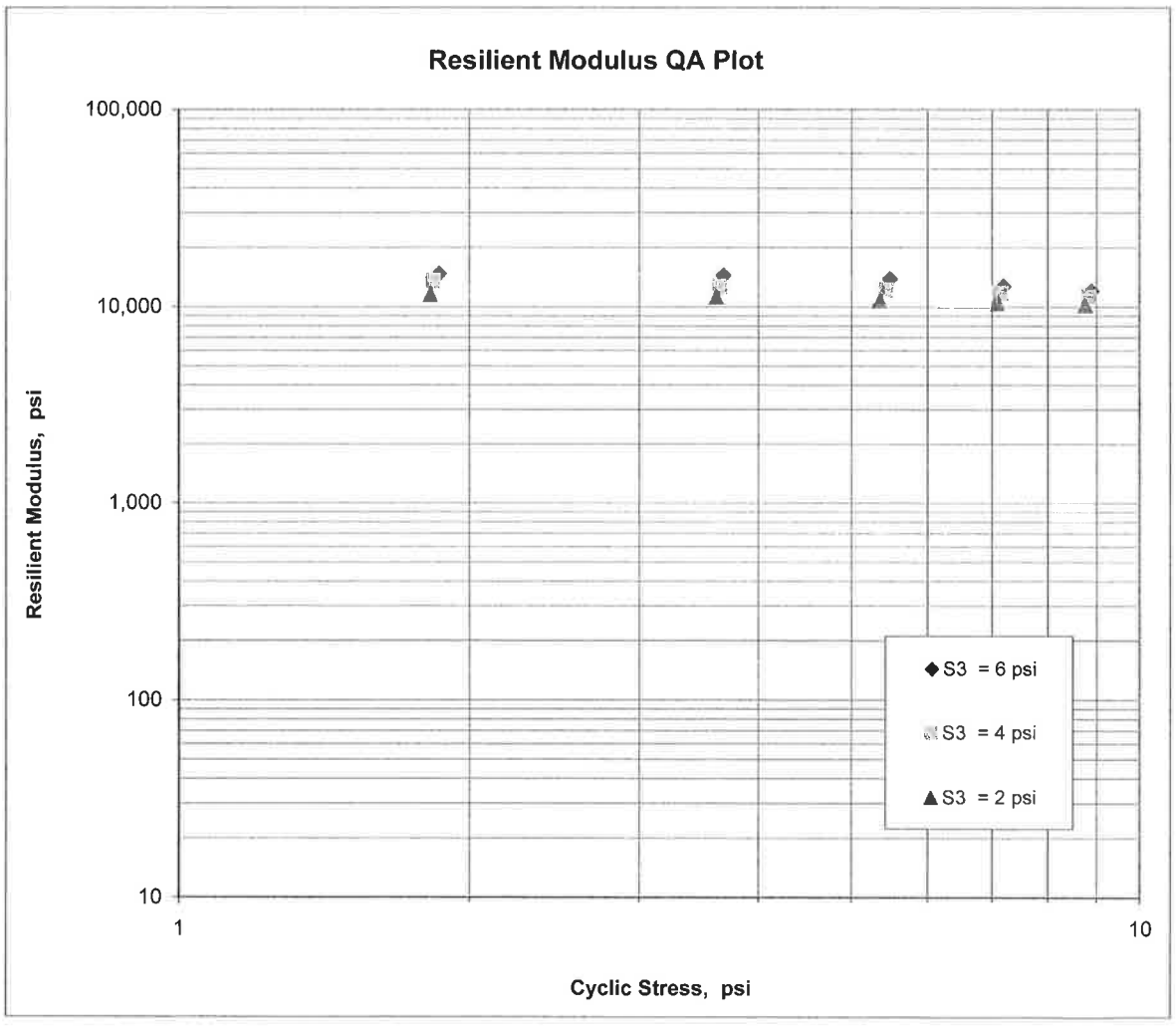
$$M_R = K1\ (S_C)^{K2}\ (S_3)^{K5}$$

K1 = 11,030

K2 = -0.10524

K5 = 0.20087

R^2 = 0.96



JOB: 100941

JOB NAME: HWY.62 INTERS. IMPVTS.(PIGGOT)(S)

COUNTY NO. 11 **DATE TESTED**

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
				S	I	E	V	E S					
206+00	12'LT	0-5	BROWN	94	90	78	73	72	36	18	A-6(11)	RV969	
206+00	12 LT	0-5	BROWN	94	90	78	73	72	36	18	A-6 (11)	RV969	
101+00	05 RT	0-5	BROWN	93	86	77	68	58	21	05	A-4(3)	S957	17.6
101+00	12 RT	0-5	BROWN	88	75	58	43	36	ND	NP	A-4(2)	S958	16.1
105+00	05 LT	0-5	BR/GR	99	97	93	90	84	25	07	A-4(4)	S959	22.1
105+00	12 LT	0-5	BR/GR	96	92	85	77	67	23	06	A-4(2)	S960	20.3
201+00	05 RT	0-5	BROWN	86	79	71	58	45	19	04	A-4(1)	S961	17.1
201+00	12 RT	0-5	BR/GR	95	91	82	65	49	18	03	A-4(1)	S962	16.4
206+00	05 LT	0-5	BROWN	100				95	36	16	A-6(16)	S963	31.4
206+00	12 LT	0-5	BROWN	99	99	94	88	86	29	11	A-6(8)	S964	26.4
400+00	10 RT	0-5	BROWN	99	99	96	91	87	28	10	A-4(7)	S965	20.2
404+00	10 LT	0-5	BROWN	96	91	82	74	68	22	05	A-4(1)	S966	16.9
500+00	05 RT	0-5	BROWN	94	90	84	78	76	29	11	A-6(7)	S967	22.7
504+00	05 LT	0-5	BROWN									S968	16.1

comments: W=MULTIPLE LAYERS, X=STRIPPED

Wednesday, March 07, 2018

JOB: 100941
JOB NAME: HWY.62 INTERS. IMPVTS.(PIGGOT)(S)

COUNTY NO. 11

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

DATE TESTED
2/9/2018

PAVEMENT SOUNDINGS

STA.#	LOC.			
101+00	05 RT	ACHMSC	AGG. BASE CRS CL-7	
		8.0W	**7.0**	
101+00	12 RT	ACHMSC	AGG. BASE CRS CL-7	
		---	---	
105+00	05 LT	ACHMSC	AGG. BASE CRS CL-7	
		7.5WX	**9.0**	
105+00	12 LT	ACHMSC	AGG. BASE CRS CL-7	
		---	---	
201+00	05 RT	ACHMSC	AGG. BASE CRS CL-7	
		7.0WX	**8.0**	
201+00	12 RT	ACHMSC	AGG. BASE CRS CL-7	
		---	---	
206+00	05 LT	ACHMSC	ACHMBC	
		7.0W	**1.0**	
206+00	12 LT	ACHMSC	ACHMBC	
		---	---	
400+00	10 RT	ACHMSC	PCCP	AGG. BASE CRS CL-7
		6.5W	**8.25**	**1.0**
404+00	10 LT	ACHMSC	PCCP	AGG. BASE CRS CL-7
		6.0W	**6.0**	**3.0**
500+00	05 RT	ACHMSC	AGG. BASE CRS CL-7	
		8.0W	**8.0**	
504+00	05 LT	ACHMSC	AGG. BASE CRS CL-7	
		4.0W	**7.0**	

comments: W=MULTIPLE LAYERS, X=STRIPPED

Wednesday, March 07, 2018

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

DATE - 03/06/18
JOB NUMBER - 100941
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.62 INTERS. IMPVTS.(PIGGOT)(S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CLAY, COUNTY
SAMPLED BY - THORNTON/FRAZIER
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

SEQUENCE NO. - 1
MATERIAL CODE - SSRVPS
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 11
DISTRICT NO. - 10

DATE SAMPLED - 01/10/18
DATE RECEIVED - 01/12/18
DATE TESTED - 02/09/18

LAB NUMBER	20180050	20180051	20180052
SAMPLE ID	S957	S958	S959
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	101+00	101+00	105+00
LOCATION	05 RT	12 RT	05 LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BR/GR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	36 23 21.40	36 23 21.30	36 23 18.90
LONGITUDE DEG-MIN-SEC	90 11 42.40	90 11 42.40	90 11 39.30
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.	100	100	
3/8 IN.	99	99	100
NO. 4	93	88	99
NO. 10	86	75	97
NO. 40	77	58	93
NO. 80	68	43	90
NO. 200	58	36	84
LIQUID LIMIT	21	ND	25
PLASTICITY INDEX	05	NP	07
AASHTO SOIL	A-4(3)	A-4(2)	A-4(4)
UNIFIED SOIL			
% MOISTURE CONTENT	17.6	16.1	22.1
ACHMSC (IN)	8.0W	---	7.5WX
AGG. BASE CRS CL-7 (IN)	7.0	---	9.0

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

DATE - 02/09/18
JOB NUMBER - 100941
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.62 INTERS. IMPVTS.(PIGGOT)(S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CLAY, COUNTY
SAMPLED BY - THORNTON/FRAZIER
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

SEQUENCE NO. - 2
MATERIAL CODE - SSRVPS
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 11
DISTRICT NO. - 10

DATE SAMPLED - 01/10/18
DATE RECEIVED - 01/12/18
DATE TESTED - 02/09/18

LAB NUMBER	20180053	20180054	20180055
SAMPLE ID	S960	S961	S962
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	105+00	201+00	201+00
LOCATION	12 LT	05 RT	12 RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BR/GR	BROWN	BR/GR
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	36 23 19.00	36 23 11.40	36 23 11.40
LONGITUDE DEG-MIN-SEC	90 11 39.10	90 11 39.50	90 11 39.50
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.		100	100
3/8 IN.	100	98	98
NO. 4	96	86	95
NO. 10	92	79	91
NO. 40	85	71	82
NO. 80	77	58	65
NO. 200	67	45	49
LIQUID LIMIT	23	19	18
PLASTICITY INDEX	06	04	03
AASHTO SOIL	A-4(2)	A-4(1)	A-4(1)
UNIFIED SOIL			
% MOISTURE CONTENT	20.3	17.1	16.4
ACHMSC (IN)	---	7.0WX	---
AGG. BASE CRS CL-7 (IN)	---	8.0	---

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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 - 03/06/18
JOB NUMBER - 100941
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.62 INTERS. IMPVTS.(PIGGOT)(S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CLAY, COUNTY
SAMPLED BY - THORNTON/FRAZIER
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

SEQUENCE NO. - 3
MATERIAL CODE - SSRVPS
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 11
DISTRICT NO. - 10

DATE SAMPLED - 01/10/18
DATE RECEIVED - 01/12/18
DATE TESTED - 02/09/18

LAB NUMBER	20180056	20180057	20180058
SAMPLE ID	S963	S964	
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	206+00	206+00	306+00
LOCATION	05 LT	12 LT	05 RT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	36 23 7.80	36 23 8.10	36 23 2.70
LONGITUDE DEG-MIN-SEC	90 11 35.60	90 11 35.70	90 11 31.50
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.		100	
NO. 4	100	99	
NO. 10		99	
NO. 40		94	
NO. 80		88	
NO. 200	95	86	
LIQUID LIMIT	36	29	
PLASTICITY INDEX	16	11	
AASHTO SOIL	A-6(16)	A-6(8)	
UNIFIED SOIL			
% MOISTURE CONTENT	31.4	26.4	
ACHMSC (IN)	7.0W	---	
ACHMBC (IN)	1.0	---	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

DATE - 02/09/18
JOB NUMBER - 100941
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.62 INTERS. IMPVTS.(PIGGOT)(S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CLAY, COUNTY
SAMPLED BY - THORNTON/FRAZIER
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

SEQUENCE NO. - 4
MATERIAL CODE - SSRVPS
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 11
DISTRICT NO. - 10

DATE SAMPLED - 01/10/18
DATE RECEIVED - 01/12/18
DATE TESTED - 02/09/18

LAB NUMBER	20180059	20180060	20180061
SAMPLE ID		S965	S966
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	306+00	400+00	404+00
LOCATION	12 RT	10 RT	10 LT
DEPTH IN FEET	0-5	0-5	0-5
MAT'L COLOR	BROWN	BROWN	BROWN
MAT'L TYPE			
LATITUDE DEG-MIN-SEC	36 23 2.50	36 22 54.90	36 22 55.30
LONGITUDE DEG-MIN-SEC	90 11 31.60	90 11 17.40	90 11 12.20
% PASSING 2 IN.			
1 1/2 IN.			
3/4 IN.			
3/8 IN.		100	100
NO. 4		99	96
NO. 10		99	91
NO. 40		96	82
NO. 80		91	74
NO. 200		87	68
LIQUID LIMIT		28	22
PLASTICITY INDEX		10	05
AASHTO SOIL		A-4(7)	A-4(1)
UNIFIED SOIL			
% MOISTURE CONTENT		20.2	16.9
ACHMSC (IN)	---	6.5W	6.0W
PCCP (IN)	---	8.25	6.0
AGG. BASE CRS CL-7 (IN)	---	1.0	3.0

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

DATE - 02/09/18
JOB NUMBER - 100941
FEDERAL AID NO.- TO BE ASSIGNED
PURPOSE - SOIL SURVEY SAMPLE
SPEC. REMARKS - NO SPECIFICATION CHECK
SUPPLIER NAME - STATE
NAME OF PROJECT - HWY.62 INTERS. IMPVTS.(PIGGOT)(S)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - CLAY, COUNTY
SAMPLED BY - THORNTON/FRAZIER
SAMPLE FROM - TEST HOLE
MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS

SEQUENCE NO. - 5
MATERIAL CODE - SSRVPS
SPEC. YEAR - 2014
SUPPLIER ID. - 1
COUNTY/STATE - 11
DISTRICT NO. - 10

DATE SAMPLED - 01/10/18
DATE RECEIVED - 01/12/18
DATE TESTED - 02/09/18

LAB NUMBER	20180062	20180063
SAMPLE ID	S967	S968
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY
STATION	500+00	504+00
LOCATION	05 RT	05 LT
DEPTH IN FEET	0-5	0-5
MAT'L COLOR	BROWN	BROWN
MAT'L TYPE		
LATITUDE DEG-MIN-SEC	36 22 53.10	36 22 57.10
LONGITUDE DEG-MIN-SEC	90 11 15.00	90 11 14.80
% PASSING 2 IN.		
1 1/2 IN.		
3/4 IN.		
3/8 IN.	100	
NO. 4	94	
NO. 10	90	
NO. 40	84	
NO. 80	78	
NO. 200	76	
LIQUID LIMIT	29	
PLASTICITY INDEX	11	
AASHTO SOIL	A-6(7)	
UNIFIED SOIL		
% MOISTURE CONTENT	22.7	16.1
ACHMSC (IN)	8.0W	4.0W
AGG. BASE CRS CL-7 (IN)	8.0	7.0

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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	- 03/06/18	SEQUENCE NO.	- 1
JOB NUMBER	- 100941	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	- 11
SUPPLIER NAME	- STATE	DISTRICT NO.	- 10
NAME OF PROJECT	- HWY.62 INTERS. IMPVTS.(PIGGOT)(S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- CLAY, COUNTY	DATE SAMPLED	- 01/10/18
SAMPLED BY	- THORNTON/FRAZIER	DATE RECEIVED	- 01/12/18
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 02/09/18

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

LAB NUMBER	20180064
SAMPLE ID	RV969
TEST STATUS	INFORMATION ONLY
STATION	206+00
LOCATION	12 LT
DEPTH IN FEET	0-5
MAT'L COLOR	BROWN
MAT'L TYPE	
LATITUDE DEG-MIN-SEC	36 23 8.10
LONGITUDE DEG-MIN-SEC	90 11 35.70
% PASSING 2 IN.	
1 1/2 IN.	
3/4 IN.	100
3/8 IN.	99
NO. 4	94
NO. 10	90
NO. 40	78
NO. 80	73
NO. 200	72
LIQUID LIMIT	36
PLASTICITY INDEX	18
AASHTO SOIL	A-6 (11)
UNIFIED SOIL	
% MOISTURE CONTENT	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265