

ARKANSAS DEPARTMENT OF TRANSPORTATION



SUBSURFACE INVESTIGATION

STATE JOB NO. 030531

FEDERAL AID PROJECT NO. FEDERAL AID PROJECT PRTT-0041(46)

RED RIVER – OGDEN (S)

STATE HIGHWAY 71 SECTION 4

IN LITTLE RIVER 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 | Lorie H. Tudor, 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

September 8, 2020

TO: Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT: Job No. 030531
Red River - Ogden (S)
Route 71 Section 4
Little River County

Attached is the requested soil survey, strength data and Resilient Modulus test results for the above referenced job. The project consists of reconstructing approximately 1.9 miles of Highway 71. Samples were obtained in the existing travel lanes, shoulders and median. Locations were measured from the centerline of the existing travel lanes.

The subgrade samples consist primarily of non-plastic sands. Isolated locations of highly plastic sandy clay were encountered within the project limits. The subgrade soils are expected to provide a stable working platform with conventional processing if the weather is favorable during construction. If a stable working platform cannot be achieved stabilization with Portland cement is the most appropriate technique. The addition of 7% Portland cement (by dry wt.) mixed to a depth of 16 inches should be used for quantity estimation purposes.

Further earthwork recommendations will be made upon request when plans are more developed and cross sections are available.

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

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

2. Asphalt Concrete Hot Mix

Type	Asphalt Cement %	Mineral Aggregate %
Surface Course	5.2	94.8
Binder Course	4.2	95.8
Base Course	4.0	96.0


Jonathan A. Annable
Materials Engineer

JAA:pt:bjj
Attachment

cc: State Constr. Eng. – Master File Copy
District 3 Engineer
System Information and Research Div.
G. C. File

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS

MATERIALS DIVISION

JONATHAN A. ANNABLE, MATERIALS ENGINEER

*** SOIL SURVEY STRENGTH TEST REPORT ***

DATE - 09/01/2020

JOB NUMBER - 030531

SEQUENCE NO. - 1

MATERIAL CODE - SSRV

SPEC. YEAR - 2014

SUPPLIER ID. - 1

COUNTY/STATE - 41

DISTRICT NO. - 03

JOB NAME - RED RIVER - OGDEN (S)

* STATION LIMITS R-VALUE AT 240 psi *

BEGIN JOB - END JOB 14

RESILIENT MODULUS

STA. 126+00 NB 8250

STA. 213+00 SB 10498

REMARKS -

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AASHTO TESTS : T190

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

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

Job No.	030531	Material Code	SSRVPS
Date Sampled:	7/20/2020	Station No.:	126+00 NB
Date Tested:	August 19, 2020	Location:	36' RT RV
Name of Project:	RED RIVER - OGDEN (S)		
County:	Code: 41	Name:	LITTLE RIVER
Sampled By:	FRAZIER / JORDAN		
Lab No.:	20201520	Depth:	0-5
Sample ID:	RV322	AASHTO Class:	A-4 (0)
LATITUDE:		Material Type (1 or 2):	2
		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):	12.18
Initial Volume, AoLo (cu. in):	97.68

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3201.20
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4. Soil Properties:

Optimum Moisture Content (%):	10.8
Maximum Dry Density (pcf):	115.2
95% of MDD (pcf):	109.4
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3201.20
Compaction Moisture content (%):	10.8
Compaction Wet Density (pcf):	124.87
Compaction Dry Density (pcf):	112.70
Moisture Content After Mr Test (%):	10.8

6. Quick Shear Test (Y=Yes, N=No, N/A=Not Applicable):	#VALUE!
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7. Resilient Modulus, Mr:	$6423(S_c)^{0.01176}(S_3)^{0.40261}$
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8. Comments

9. Tested By: GW

Date: August 19, 2020

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

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

Job No. 030531
Date Sampled: 7/20/2020
Date Tested: August 19, 2020
Name of Project: RED RIVER - OGDEN (S)
County: Code: 41
Sampled By: FRAZIER / JORDAN
Lab No.: 20201520
Sample ID: RV322
LATITUDE:

Material Code SSRVPS
Station No.: 126+00 NB
Location: 36' RT RV

Depth: 0-5
AASHTO Class: A-4 (0)
Material Type (1 or 2): 2
LONGITUDE:

Name: LITTLE RIVER

PARAMETER	Chamber Confining Pressure	Nominal Maximum Axial Stress	Actual Applied Max. Axial Load	Actual Applied Cyclic Load	Actual Applied Contact Load	Actual Applied Max. Axial Stress	Actual Applied Cyclic Stress	Actual Applied Contact Stress	Average Recov Def. LVDT 1 and 2	Resilient Strain	Resilient Modulus
DESIGNATION UNIT	S ₃ psi	S _{cyclic} psi	P _{max} lbs	P _{cyclic} lbs	P _{contact} lbs	S _{max} psi	S _{cyclic} psi	S _{contact} psi	H _{avg} in	ε _r in/in	M _r psi
Sequence 1	6.0	2.0	25.3	22.4	2.9	2.1	1.8	0.2	0.00108	0.00013	13,637
Sequence 2	6.0	4.0	47.6	44.7	2.9	3.9	3.7	0.2	0.00216	0.00027	13,617
Sequence 3	6.0	6.0	70.7	66.9	3.7	5.8	5.5	0.3	0.00323	0.00040	13,632
Sequence 4	6.0	8.0	95.3	89.1	6.1	7.8	7.3	0.5	0.00431	0.00054	13,629
Sequence 5	6.0	10.0	119.8	111.2	8.6	9.8	9.1	0.7	0.00537	0.00067	13,629
Sequence 6	4.0	2.0	25.1	22.2	2.9	2.1	1.8	0.2	0.00129	0.00016	11,384
Sequence 7	4.0	4.0	47.2	44.3	2.9	3.9	3.6	0.2	0.00265	0.00033	11,003
Sequence 8	4.0	6.0	69.2	66.3	2.9	5.7	5.4	0.2	0.00397	0.00050	10,996
Sequence 9	4.0	8.0	93.7	88.5	5.2	7.7	7.3	0.4	0.00521	0.00065	11,178
Sequence 10	4.0	10.0	117.9	110.3	7.7	9.7	9.1	0.6	0.00633	0.00079	11,473
Sequence 11	2.0	2.0	24.6	21.7	2.8	2.0	1.8	0.2	0.00164	0.00020	8,717
Sequence 12	2.0	4.0	45.9	43.1	2.9	3.8	3.5	0.2	0.00344	0.00043	8,250
Sequence 13	2.0	6.0	67.5	64.6	2.9	5.5	5.3	0.2	0.00502	0.00063	8,474
Sequence 14	2.0	8.0	90.9	86.6	4.4	7.5	7.1	0.4	0.00637	0.00079	8,944
Sequence 15	2.0	10.0	113.9	107.1	6.8	9.4	8.8	0.6	0.00768	0.00096	9,188

TESTED BY _____ DATE August 19, 2020
 REVIEWED BY _____ DATE _____

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

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

Job No.	030531	Material Code SSRVPS
Date Sampled:	7/20/2020	Station No.: 126+00 NB
Date Tested:	August 19, 2020	Location: 36' RT RV
Name of Project:	RED RIVER - OGDEN (S)	
County:	Code: 41	Name: LITTLE RIVER
Sampled By:	FRAZIER / JORDAN	
Lab No.:	20201520	Depth: 0-5
Sample ID:	RV322	AASHTO Class: A-4 (0)
LATITUDE:		Material Type (1 or 2): 2
		LONGITUDE:

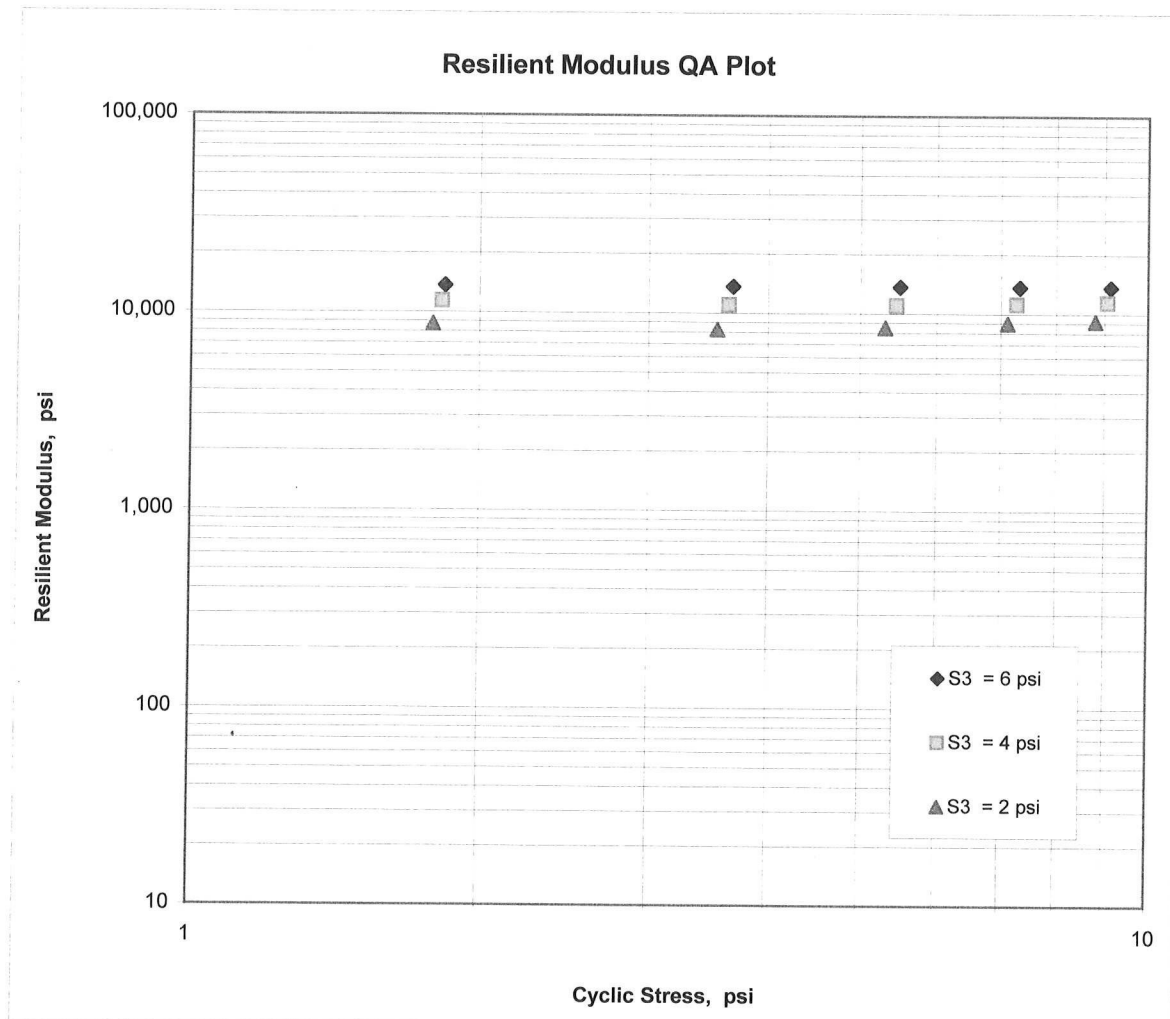
$$M_R = K_1 (S_c)^{K_2} (S_3)^{K_5}$$

$$K_1 = \underline{6,423}$$

$$K_2 = \underline{0.01176}$$

$$K_5 = \underline{0.40261}$$

$$R^2 = \underline{0.98}$$



ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
MATERIALS DIVISION

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

Job No.	030531	Material Code	SSRVPS
Date Sampled:	7/20/2020	Station No.:	213+00 SB
Date Tested:	August 19, 2020	Location:	21' RT RV
Name of Project:	RED RIVER - OGDEN (S)		
County:	Code: 41	Name:	LITTLE RIVER
Sampled By:	FRAZIER / JORDAN	Depth:	0-5
Lab No.:	20201521	AASHTO Class:	A-6 (2)
Sample ID:	RV323	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	3.97
Bottom	3.95
Average	3.96
Membrane Thickness (in):	0.01
Height of Specimen, Cap and Base (in):	8.02
Height of Cap and Base (in):	0.00
Initial Length, Lo (in):	8.02
Initial Area, Ao (sq. in):	12.26
Initial Volume, AoLo (cu. in):	98.34

3. Soil Specimen Weight:

Weight of Wet Soil Used (g):	3273.90
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4. Soil Properties:

Optimum Moisture Content (%):	13.1
Maximum Dry Density (pcf):	116.2
95% of MDD (pcf):	110.4
In-Situ Moisture Content (%):	N/A

5. Specimen Properties:

Wet Weight (g):	3273.90
Compaction Moisture content (%):	13.4
Compaction Wet Density (pcf):	126.84
Compaction Dry Density (pcf):	111.85
Moisture Content After Mr Test (%):	13.4

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

7. Resilient Modulus, Mr: $13829(S_c)^{-0.19160}(S_3)^{0.21289}$

8. Comments

9. Tested By:

GW

Date: August 19, 2020

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

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

Job No.	030531	Material Code	SSRVPS
Date Sampled:	7/20/2020	Station No.:	213+00 SB
Date Tested:	August 19, 2020	Location:	21' RT RV
Name of Project:	RED RIVER - OGDEN (S)		
County:	Code: 41	Name:	LITTLE RIVER
Sampled By:	FRAZIER / JORDAN		Depth: 0-5
Lab No.:	20201521	AASHTO Class:	A-6 (2)
Sample ID:	RV323	Material Type (1 or 2):	2
LATITUDE:		LONGITUDE:	

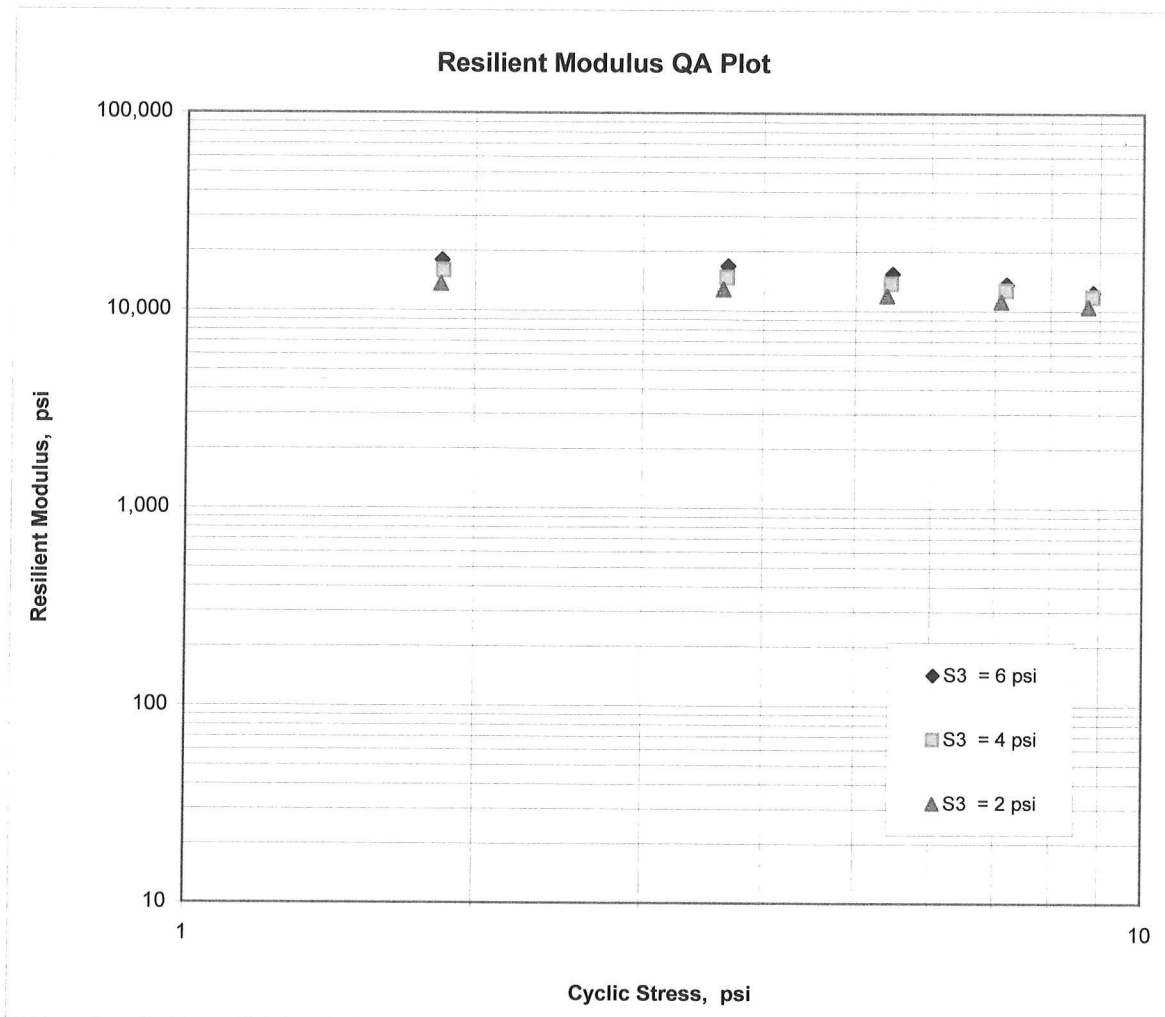
$$M_R = K_1 (S_c)^{K_2} (S_3)^{K_5}$$

$$K_1 = 13,829$$

$$K_2 = -0.19160$$

$$K_5 = 0.21289$$

$$R^2 = 0.94$$



JOB: 030531

Arkansas State Highway Transportation Department

JOB NAME: RED RIVER - OGDEN (S)

Materials Division

COUNTY NO. 41 DATE TESTED 9/1/2020

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					
189+00	06 LT	0-5	BR/GR										
157+00	21 LT	0-5	RD/BR										
157+00	06 LT	0-5	RD/BR										
173+00	21 LT	0-5	RD/BR										
173+00	06 LT	0-5	RD/BR										
126+00	36 RT R	0-5	RD/BR	78	74	70	64	45	ND	NP	A-4(0)	RV322	
213+00	21 RT R	0-5	RD/BR	82	76	68	56	41	29	15	A-6(2)	RV323	
126+00	06 RT	0-5	RED	96	92	86	69	30	ND	NP	A-2-4(0)	S275	21.8
126+00	21 RT	0-5	RD/BR	99	99	98	90	43	ND	NP	A-4(0)	S276	12.1
126+00	06 LT	0-5	BROWN	98	96	88	51	18	ND	NP	A-2-4(0)	S277	7.7
126+00	21 LT	0-5	BROWN	99	98	78	34	14	ND	NP	A-2-4(0)	S278	8.5
133+00	06 LT	0-5	RD/BR	99	98	94	91	73	ND	NP	A-4(0)	S279	17.3
133+00	21 LT	0-5	RD/BR	69	64	61	56	42	ND	NP	A-4(0)	S280	7.1
133+00	06 RT	0-5	BROWN	85	77	70	62	47	ND	NP	A-4(0)	S281	24.2
133+00	21 RT	0-5	BROWN	100	99	97	94	74	ND	NP	A-4(0)	S282	10.7
141+00	06 RT	0-5	RD/BR	100	99	98	90	52	27	12	A-6(3)	S283	16.1
141+00	21 RT	0-5	RD/BR	100	99	99	91	56	28	13	A-6(4)	S284	17.4
141+00	06 LT	0-5	BROWN	93	87	83	82	79	36	20	A-6(14)	S285	34.3
141+00	21 LT	0-5	BROWN	94	90	85	78	64	ND	NP	A-4(0)	S286	22.5
149+00	06 LT	0-5	RD/BR		100	99	88	47	ND	NP	A-4(0)	S287	17.8
149+00	21 LT	0-5	RD/BR	97	94	91	80	42	22	6	A-4(0)	S288	17.5
149+00	06 RT	0-5	RD/BR		100	99	99	85	ND	NP	A-4(0)	S289	25
149+00	21 RT	0-5	BROWN	94	92	89	84	61	ND	NP	A-4(0)	S290	35.6
157+00	06 RT	0-5	RD/BR	99	99	99	86	54	ND	NP	A-4(0)	S291	13.4
157+00	21 RT	0-5	RD/BR	99	99	99	83	56	ND	NP	A-4(0)	S292	12.6
165+00	06 LT	0-5	RD/BR	100	99	91	85	51	23	10	A-4(2)	S293	18.4

comments: W=MULTIPLE LAYERS, X=STRIPPED

Tuesday, September 8, 2020

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
165+00	21 LT	0-5	RD/BR	80	77	75	63	34	29	18	A-2-6(1)	S294	17.4
165+00	06 RT	0-5	RED	100	99	99	61	27	ND	NP	A-2-4(0)	S295	14.4
165+00	21 RT	0-5	BROWN	94	91	88	66	43	ND	NP	A-4(0)	S296	6
173+00	06 RT	0-5	RD/BR	99	99	99	91	70	24	12	A-6(5)	S297	16.2
173+00	21 RT	0-5	RD/BR	97	94	87	84	55	ND	NP	A-4(0)	S298	15.3
181+00	06 LT	0-5	RD/BR	100				91	ND	NP	A-4(0)	S299	22.7
181+00	21 LT	0-5	RD/BR	96	93	90	86	77	ND	NP	A-4(0)	S300	20.1
181+00	06 RT	0-5	RED	99	99	98	97	87	25	10	A-4(7)	S301	25.6
181+00	21 RT	0-5	RED	95	92	88	83	74	ND	NP	A-4(0)	S302	23.2
189+00	06 RT	0-5	RD/BR	99	99	96	73	51	18	4	A-4(0)	S303	19
189+00	21 RT	0-5	BR/GR	100	99	97	77	77	ND	NP	A-4(0)	S304	22.8
189+00	21 LT	0-5	BR/GR	99	99	98	96	76	ND	NP	A-4(0)	S305	18.3
197+00	06 LT	0-5	RED	99	98	94	48	25	ND	NP	A-2-4(0)	S306	13
197+00	21 LT	0-5	RED	86	75	59	36	15	ND	NP	A-2-4(0)	S307	12
197+00	06 RT	0-5	RD/BR	96	95	95	51	16	ND	NP	A-2-4(0)	S308	16
197+00	21 RT	0-5	RD/BR	99	98	98	64	19	ND	NP	A-2-4(0)	S309	9.3
205+00	06 RT	0-5	BR/GR	93	90	84	80	49	20	6	A-4(0)	S310	10.4
205+00	21 RT	0-5	RD/BR	94	91	87	83	44	21	6	A-4(0)	S311	9.8
205+00	06 LT	0-5	RED	94	92	90	86	41	ND	NP	A-4(0)	S312	11.4
205+00	21 LT	0-5	RED	94	93	89	78	35	ND	NP	A-2-4(0)	S313	9
213+00	06 LT	0-5	BR/GR	100				97	41	27	A-7-6(27)	S314	32.1
213+00	21 LT	0-5	BR/GR	100				98	39	25	A-6(25)	S315	28
213+00	06 RT	0-4.7Z	RD/BR	98	93	87	78	59	24	9	A-4(2)	S316	18.9
213+00	21 RT	0-5	RD/BR	98	97	95	90	76	ND	NP	A-4(0)	S317	20.1
221+00	06 RT	0-5	BR/GR	100				96	52	37	A-7-6(38)	S318	23.6
221+00	21 RT	0-5	BR/GR	100				93	42	30	A-7-6(28)	S319	23.8
221+00	06 LT	0-5	RED	97	94	92	90	89	41	28	A-7-6(24)	S320	21.8
221+00	21 LT	0-5	RED	100				96	38	24	A-6(23)	S321	27.5

comments: W=MULTIPLE LAYERS, X=STRIPPED

Tuesday, September 8, 2020

JOB: 030531

Arkansas State Highway Transportation Department

DATE TESTED

JOB NAME: RED RIVER - OGDEN (S)

9/1/2020

COUNTY NO. 41

Materials Division

Michael Benson, Materials Engineer

STA.# LOC.

PAVEMENT SOUNDINGS

126+00 N 06 RT	ACHMSC 6.25W	ACHMBC ---	AGG.BASE CRS,CL-7 10.0
126+00 N 21 RT	ACHMSC 5.0W	ACHMBC ---	AGG.BASE CRS,CL-7 8.0
126+00 S 06 LT	ACHMSC 6.25WX	ACHMBC 5.25	AGG.BASE CRS,CL-7 8.0
126+00 S 21 LT	ACHMSC 6.0WX	ACHMBC 5.0W	AGG.BASE CRS,CL-7 11.0
133+00 N 06 LT	ACHMSC 3.5W	ACHMBC 8.0W	AGG.BASE CRS,CL-7 8.0
133+00 N 21 LT	ACHMSC ---	ACHMBC ---	AGG.BASE CRS,CL-7 ---
133+00 S 06 RT	ACHMSC 6.0W	ACHMBC 3.5	AGG.BASE CRS,CL-7 9.0
133+00 S 21 RT	ACHMSC ---	ACHMBC ---	AGG.BASE CRS,CL-7 ---
141+00 N 06 RT	ACHMSC 5.5WX	ACHMBC 4.0X	AGG.BASE CRS,CL-7 8.0
141+00 N 21 RT	ACHMSC 4.5W	ACHMBC ---	PCCP ---
141+00 S 06 LT	ACHMSC 4.0W	ACHMBC 4.0	AGG.BASE CRS,CL-7 8.0
141+00 S 21 LT	ACHMSC 4.0W	ACHMBC ---	PCCP ---
149+00 N 06 LT	ACHMSC 3.5	ACHMBC 8.0WX	AGG.BASE CRS,CL-7 6.0
149+00 N 21 LT	ACHMSC ---	ACHMBC ---	AGG.BASE CRS,CL-7 ---
149+00 S 06 RT	ACHMSC 5.0WX	ACHMBC 6.5W	AGG.BASE CRS,CL-7 6.0
149+00 S 21 RT	ACHMSC ---	ACHMBC ---	AGG.BASE CRS,CL-7 ---
157+00 N 06 RT	ACHMSC 5.0W	ACHMBC 7.0W	AGG.BASE CRS,CL-7 8.0

comments: W=MULTIPLE LAYERS, X=STRIPPED

Tuesday, September 8, 2020

Page 1 of 3

157+00 N 21 RT	ACHMSC 3.5W	ACHMBC ---	AGG.BASE CRS,CL-7 9.0	
157+00 S 06 LT	ACHMSC 9.0W	ACHMSC ---	ACHMBC ---	AGG.BASE CRS,CL-7 11.0
157+00 S 21 LT	ACHMSC 3.5W	ACHMSC ---	ACHMBC ---	AGG.BASE CRS,CL-7 11.0
165+00 N 06 LT	ACHMSC 4.0	ACHMSC 4.0	ACHMBC 7.0	AGG.BASE CRS,CL-7 6.0
165+00 N 21 LT	ACHMSC ---	ACHMBC ---	PCCP ---	
165+00 S 06 RT	ACHMSC 5.0WX	ACHMBC 6.0W	PCCP 6.0	
165+00 S 21 RT	ACHMSC ---	ACHMBC ---	PCCP ---	
173+00 N 06 RT	ACHMSC 4.5W	ACHMBC 7.5W	PCCP ---	AGG.BASE CRS,CL-7 9.0
173+00 N 21 RT	ACHMSC 4.5W	ACHMBC ---	PCCP ---	AGG.BASE CRS,CL-7 8.0
173+00 S 06 LT	ACHMSC 7.0W	ACHMBC 3.0W	PCCP 6.0	AGG.BASE CRS,CL-7 ---
173+00 S 21 LT	ACHMSC 4.0W	ACHMBC ---	AGG.BASE CRS,CL-7 8.0	
181+00 N 06 LT	ACHMSC 3.5W	ACHMBC 8.0W	AGG.BASE CRS,CL-7 6.0	
181+00 N 21 LT	ACHMSC ---	ACHMBC ---	AGG.BASE CRS,CL-7 ---	
181+00 S 06 RT	ACHMSC 4.0W	ACHMBC 6.5WX	PCCP 6.25	AGG.BASE CRS,CL-7 ---
181+00 S 21 RT	ACHMSC ---	ACHMBC ---	PCCP ---	AGG.BASE CRS,CL-7 ---
189+00 N 06 RT	ACHMSC 4.0W	ACHMBC 4.5	PCCP ---	AGG.BASE CRS,CL-7 8.0
189+00 N 21 RT	ACHMSC 4.0W	ACHMBC ---	PCCP ---	AGG.BASE CRS,CL-7 9.0
189+00 S 06 LT	ACHMSC 8.0WX	ACHMBC 3.0W	PCCP 2.0	AGG.BASE CRS,CL-7 ---
189+00 S 21 LT	ACHMSC 3.0W	ACHMBC ---	PCCP ---	AGG.BASE CRS,CL-7 9.0

comments: W=MULTIPLE LAYERS, X=STRIPPED

STA.# LOC.

PAVEMENT SOUNDINGS

197+00 N 06 LT	ACHMSC 3.5W	ACHMBC 8.0	PCCP	AGG.BASE CRS,CL-7 6.0
197+00 N 21 LT	ACHMSC	ACHMBC	PCCP	AGG.BASE CRS,CL-7
197+00 S 06 RT	ACHMSC 4.5W	ACHMBC 6.0	PCCP	AGG.BASE CRS,CL-7
197+00 S 21 RT	ACHMSC	ACHMBC	AGG.BASE CRS,CL-7	---
205+00 N 06 RT	ACHMSC 4.0W	ACHMBC 4.5W	AGG.BASE CRS,CL-7 8.0	---
205+00 N 21 RT	ACHMSC 4.15W	ACHMBC	AGG.BASE CRS,CL-7 9.0	---
205+00 S 06 LT	ACHMSC 7.5W	ACHMBC 3.0	AGG.BASE CRS,CL-7 9.0	---
205+00 S 21 LT	ACHMSC 3.0W	ACHMBC	AGG.BASE CRS,CL-7 10.0	---
213+00 N 06 LT	ACHMSC 3.5	ACHMBC 9.0W	AGG.BASE CRS,CL-7 6.0	---
213+00 N 21 LT	ACHMSC	ACHMBC	AGG.BASE CRS,CL-7	---
213+00 S 06 RT	ACHMSC 5.0WX	ACHMBC 8.0	AGG.BASE CRS,CL-7 10.0	---
213+00 S 21 RT	ACHMSC	ACHMBC	AGG.BASE CRS,CL-7	---
221+00 N 06 RT	ACHMSC 4.0W	ACHMBC 8.5W	AGG.BASE CRS,CL-7 8.0	---
221+00 N 21 RT	ACHMSC 3.5W	ACHMBC	AGG.BASE CRS,CL-7 9.0	---
221+00 S 06 LT	ACHMSC 3.5W	ACHMBC 8.0W	AGG.BASE CRS,CL-7 8.0	---
221+00 S 21 LT	ACHMSC 4.0W	ACHMBC 7.5W	AGG.BASE CRS,CL-7 8.0	---

comments: W=MULTIPLE LAYERS, X=STRIPPED

Tuesday, September 8, 2020

Page 3 of 3

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 1
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201468	- 20201469	- 20201470
SAMPLE ID	- S275	- S276	- S277
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 126+00 NB	- 126+00 NB	- 126+00 SB
LOCATION	- 06 RT	- 21 RT	- 06 LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RED	- RD/BR	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 33 25.20	- 33 33 25.10	- 33 33 25.90
LONGITUDE DEG-MIN-SEC	- 94 02 27.30	- 94 02 27.10	- 94 02 29.90

% 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	- ND	- ND	- ND
PLASTICITY INDEX	- NP	- NP	- NP
AASHTO SOIL	- A-2-4 (0)	- A-4 (0)	- A-2-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 21.8	- 12.1	- 7.7

ACHMSC	(IN)	- 6.25W	- 5.0W	- 6.25WX
ACHMBC	(IN)	- ---	- ---	- 5.25
AGG.BASE CRS,CL-7	(IN)	- 10.0	- 8.0	- 8.0
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 2
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201471	- 20201472	- 20201473
SAMPLE ID	- S278	- S279	- S280
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 126+00 SB	- 133+00 NB	- 133+00 NB
LOCATION	- 21 LT	- 06 LT	- 21 LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- RD/BR	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 33 26.00	- 33 33 31.10	- 33 33 31.20
LONGITUDE DEG-MIN-SEC	- 94 02 30.00	- 94 02 23.10	- 94 02 23.20

% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	- 100	- 100
	NO. 4	- 99	- 77
	NO. 10	- 98	- 69
	NO. 40	- 98	- 64
	NO. 80	- 94	- 61
	NO. 200	- 91	- 56
		- 73	- 42

LIQUID LIMIT	- ND	- ND	- ND
PLASTICITY INDEX	- NP	- NP	- NP
AASHTO SOIL	- A-2-4 (0)	- A-4 (0)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 8.5	- 17.3	- 7.1

ACHMSC	(IN)	- 6.0WX	- 3.5W	- ---
ACHMBC	(IN)	- 5.0W	- 8.0W	- ---
AGG.BASE CRS, CL-7	(IN)	- 11.0	- 8.0	- ---
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	-	09/08/20	SEQUENCE NO.	-	3
JOB NUMBER	-	030531	MATERIAL CODE	-	SSRVPS
FEDERAL AID NO.	-	TO BE ASSIGNED	SPEC. YEAR	-	2014
PURPOSE	-	SOIL SURVEY SAMPLE	SUPPLIER ID.	-	1
SPEC. REMARKS	-	NO SPECIFICATION CHECK	COUNTY/STATE	-	41
SUPPLIER NAME	-	STATE	DISTRICT NO.	-	03
NAME OF PROJECT	-	RED RIVER - OGDEN (S)			
PROJECT ENGINEER	-	NOT APPLICABLE			
PIT/QUARRY	-	ARKANSAS			
LOCATION	-	LITTLE RIVER COUNTY	DATE SAMPLED	-	07/20/20
SAMPLED BY	-	T.FRAZIER/JORDAN	DATE RECEIVED	-	07/29/20
SAMPLE FROM	-	TEST HOLE	DATE TESTED	-	09/01/20
MATERIAL DESC.	-	SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS			

LAB NUMBER	-	20201474	-	20201475	-	20201476
SAMPLE ID	-	S281	-	S282	-	S283
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	133+00 SB	-	133+00 SB	-	141+00 NB
LOCATION	-	06 RT	-	21 RT	-	06 RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	RD/BR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	33 33 32.20	-	33 33 32.20	-	33 33 37.70
LONGITUDE DEG-MIN-SEC	-	94 02 25.00	-	94 02 24.90	-	94 02 17.90

% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-	100	-	
	3/8	IN.	-	98	-	
	NO. 4		-	85	-	100
	NO. 10		-	77	-	99
	NO. 40		-	70	-	98
	NO. 80		-	62	-	90
	NO. 200		-	47	-	52

LIQUID LIMIT	-	ND	-	ND	-	27
PLASTICITY INDEX	-	NP	-	NP	-	12
AASHTO SOIL	-	A-4 (0)	-	A-4 (0)	-	A-6 (3)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-	24.2	-	10.7	-	16.1

ACHMSC	(IN)	-	6.0W	-	---	-	5.5WX
ACHMBC	(IN)	-	3.5	-	---	-	4.0X
AGG.BASE CRS, CL-7	(IN)	-	9.0	-	---	-	8.0
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	
		-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 4
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		
LAB NUMBER	- 20201477	- 20201478	- 20201479
SAMPLE ID	- S284	- S285	- S286
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 141+00 NB	- 141+00 SB	- 141+00 SB
LOCATION	- 21 RT	- 06 LT	- 21 LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RD/BR	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 33 37.60	- 33 33 38.90	- 33 33 39.00
LONGITUDE DEG-MIN-SEC	- 94 02 17.70	- 94 02 19.90	- 94 02 20.00
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	100	100
	3/8 IN. -	99	99
	NO. 4 - 100	93	94
	NO. 10 - 99	87	90
	NO. 40 - 99	83	85
	NO. 80 - 91	82	78
	NO. 200 - 56	79	64
LIQUID LIMIT	- 28	- 36	- ND
PLASTICITY INDEX	- 13	- 20	- NP
AASHTO SOIL	- A-6 (4)	- A-6 (14)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 17.4	- 34.3	- 22.5
ACHMSC (IN)	- 4.5W	- 4.0W	- 4.0W
ACHMBC (IN)	- ---	- 4.0	- ---
PCCP (IN)	- ---	- 8.0	- ---
AGG.BASE CRS,CL-7 (IN)	- 8.0	- 2.0	- 10.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 5
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201480	- 20201481	- 20201482
SAMPLE ID	- S287	- S288	- S289
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 149+00 NB	- 149+00 NB	- 149+00 SB
LOCATION	- 06 LT	- 21 LT	- 06 RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RD/BR	- RD/BR	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 33 44.40	- 33 33 44.50	- 33 33 45.40
LONGITUDE DEG-MIN-SEC	- 94 02 12.90	- 94 02 13.00	- 94 02 14.60
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	100	-
	3/8 IN. -	99	-
	NO. 4 -	97	-
	NO. 10 - 100	94	100
	NO. 40 - 99	91	99
	NO. 80 - 88	80	99
	NO. 200 - 47	42	85
LIQUID LIMIT	- ND	- 22	- ND
PLASTICITY INDEX	- NP	- 6	- NP
AASHTO SOIL	- A-4 (0)	- A-4 (0)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 17.8	- 17.5	- 25.0
ACHMSC (IN)	- 3.5	- ---	- 5.0WX
ACHMBC (IN)	- 8.0WX	- ---	- 6.5W
PCCP (IN)	- ---	- ---	- 6.0
AGG.BASE CRS,CL-7 (IN)	- 6.0	- ---	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS

MATERIALS DIVISION

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 6
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		
LAB NUMBER	- 20201483	- 20201484	- 20201485
SAMPLE ID	- S290	- S291	- S292
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 149+00 SB	- 157+00 NB	- 157+00 NB
LOCATION	- 21 RT	- 06 RT	- 21 RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- RD/BR	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 33 45.30	- 33 33 51.20	- 33 33 51.20
LONGITUDE DEG-MIN-SEC	- 94 02 14.50	- 94 02 8.20	- 94 02 8.10
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	-	-
	3/8 IN. - 98	- 100	- 100
	NO. 4 - 94	- 99	- 99
	NO. 10 - 92	- 99	- 99
	NO. 40 - 89	- 99	- 99
	NO. 80 - 84	- 86	- 83
	NO. 200 - 61	- 54	- 56
LIQUID LIMIT	- ND	- ND	- ND
PLASTICITY INDEX	- NP	- NP	- NP
AASHTO SOIL	- A-4 (0)	- A-4 (0)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 35.6	- 13.4	- 12.6
ACHMSC (IN)	- ---	- 5.0W	- 3.5W
ACHMBC (IN)	- ---	- 7.0W	- ---
AGG.BASE CRS,CL-7 (IN)	- ---	- 8.0	- 9.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

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AASHTO TESTS : T24 T88 T89 T90 T265

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 8
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201489	- 20201490	- 20201491
SAMPLE ID	- S294	- S295	- S296
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 165+00 NB	- 165+00 SB	- 165+00 SB
LOCATION	- 21 LT	- 06 RT	- 21 RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RD/BR	- RED	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 33 59.00	- 33 33 58.90	- 33 33 59.00
LONGITUDE DEG-MIN-SEC	- 94 02 8.10	- 94 02 8.80	- 94 02 8.70
% PASSING	2 IN. -	-	-
	1 1/2 IN. - 100	-	-
	3/4 IN. - 93	-	- 100
	3/8 IN. - 84	-	- 98
	NO. 4 - 80	- 100	- 94
	NO. 10 - 77	- 99	- 91
	NO. 40 - 75	- 99	- 88
	NO. 80 - 63	- 61	- 66
	NO. 200 - 34	- 27	- 43
LIQUID LIMIT	- 29	- ND	- ND
PLASTICITY INDEX	- 18	- NP	- NP
AASHTO SOIL	- A-2-6(1)	- A-2-4(0)	- A-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 17.4	- 14.4	- 6.0
ACHMSC (IN)	- ---	- 5.0WX	- ---
ACHMBC (IN)	- ---	- 6.0W	- ---
PCCP (IN)	- ---	- 6.0	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

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ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS

MATERIALS DIVISION

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/08/20	SEQUENCE NO.	- 9
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		
LAB NUMBER	- 20201492	- 20201493	- 20201494
SAMPLE ID	- S297	- S298	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 173+00 NB	- 173+00 NB	- 173+00 SB
LOCATION	- 06 RT	- 21 RT	- 06 LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RD/BR	- RD/BR	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 6.90	- 33 34 6.90	- 33 34 6.90
LONGITUDE DEG-MIN-SEC	- 94 02 8.90	- 94 02 8.80	- 94 02 10.00
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. - 100	- 100	-
	NO. 4 - 99	- 99	-
	NO. 10 - 99	- 94	-
	NO. 40 - 99	- 87	-
	NO. 80 - 91	- 84	-
	NO. 200 - 70	- 55	-
LIQUID LIMIT	- 24	- ND	-
PLASTICITY INDEX	- 12	- NP	-
AASHTO SOIL	- A-6 (5)	- A-4 (0)	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 16.2	- 15.3	-
ACHMSC (IN)	- 4.5W	- 4.5W	- 7.0W
ACHMBC (IN)	- 7.5W	- ---	- 3.0W
PCCP (IN)	- ---	- ---	- 6.0
AGG.BASE CRS,CL-7 (IN)	- 9.0	- 8.0	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

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AASHTO TESTS : T24 T88 T89 T90 T265

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/08/20	SEQUENCE NO.	- 11
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201498	- 20201499	- 20201500
SAMPLE ID	- S301	- S302	- S303
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 181+00 SB	- 181+00 SB	- 189+00 NB
LOCATION	- 06 RT	- 21 RT	- 06 RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RED	- RED	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 14.70	- 33 34 14.70	- 33 34 22.60
LONGITUDE DEG-MIN-SEC	- 94 02 11.10	- 94 02 10.90	- 94 02 11.10
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	- 100	-
	3/8 IN. - 100	- 97	- 100
	NO. 4 - 99	- 95	- 99
	NO. 10 - 99	- 92	- 99
	NO. 40 - 98	- 88	- 96
	NO. 80 - 97	- 83	- 73
	NO. 200 - 87	- 74	- 51
LIQUID LIMIT	- 25	- ND	- 18
PLASTICITY INDEX	- 10	- NP	- 4
AASHTO SOIL	- A-4 (7)	- A-4 (0)	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 25.6	- 23.2	- 19.0
ACHMSC (IN)	- 4.0W	- ---	- 4.0W
ACHMBC (IN)	- 6.5WX	- ---	- 4.5
PCCP (IN)	- 6.25	- ---	- ---
AGG.BASE CRS, CL-7 (IN)	- ---	- ---	- 8.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

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ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS

MATERIALS DIVISION

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/08/20	SEQUENCE NO.	- 12
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		
LAB NUMBER	- 20201501	- 20201502	- 20201503
SAMPLE ID	- S304	-	- S305
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 189+00 NB	- 189+00 SB	- 189+00 SB
LOCATION	- 21 RT	- 06 LT	- 21 LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/GR	- BR/GR	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 22.60	- 33 34 22.60	- 33 34 22.50
LONGITUDE DEG-MIN-SEC	- 94 02 11.00	- 94 02 12.30	- 94 02 12.40
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 - 100	-	100
	NO. 10 - 99	-	99
	NO. 40 - 97	-	99
	NO. 80 - 77	-	98
	NO. 200 - 77	-	96
		-	76
LIQUID LIMIT	- ND	-	- ND
PLASTICITY INDEX	- NP	-	- NP
AASHTO SOIL	- A-4 (0)	-	- A-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 22.8	-	- 18.3
ACHMSC (IN)	- 4.0W	- 8.0WX	- 3.0W
ACHMBC (IN)	- ---	- 3.0W	- ---
PCCP (IN)	- ---	- 2.0	- ---
AGG.BASE CRS,CL-7 (IN)	- 9.0	- ---	- 9.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS

MATERIALS DIVISION

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 13
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201504	- 20201505	- 20201506
SAMPLE ID	- S306	- S307	- S308
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 197+00 NB	- 197+00 NB	- 197+00 SB
LOCATION	- 06 LT	- 21 LT	- 06 RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- RED	- RED	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 30.40	- 33 34 30.40	- 33 34 30.30
LONGITUDE DEG-MIN-SEC	- 94 02 12.40	- 94 02 12.50	- 94 02 13.30

% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	- 100	- 100
	NO. 4	- 99	- 97
	NO. 10	- 98	- 96
	NO. 40	- 94	- 95
	NO. 80	- 48	- 51
	NO. 200	- 25	- 16

LIQUID LIMIT	- ND	- ND	- ND
PLASTICITY INDEX	- NP	- NP	- NP
AASHTO SOIL	- A-2-4 (0)	- A-2-4 (0)	- A-2-4 (0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 13.0	- 12.0	- 16.0

ACHMSC	(IN) - 3.5W	- ---	- 4.5W
ACHMBC	(IN) - 8.0	- ---	- 6.0
PCCP	(IN) - ---	- ---	- 6.0
AGG.BASE CRS, CL-7	(IN) - 6.0	- ---	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 16
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201513	- 20201514	- 20201515
SAMPLE ID	- S315	- S316	- S317
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 213+00 NB	- 213+00 SB	- 213+00 SB
LOCATION	- 21 LT	- 06 RT	- 21 RT
DEPTH IN FEET	- 0-5	- 0-4.7Z	- 0-5
MAT'L COLOR	- BR/GR	- RD/BR	- RD/BR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 46.20	- 33 34 46.10	- 33 34 46.20
LONGITUDE DEG-MIN-SEC	- 94 02 14.80	- 94 02 15.50	- 94 02 15.40
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	100
	NO. 4 - 100	- 100	- 99
	NO. 10 -	- 98	- 98
	NO. 40 -	- 93	- 97
	NO. 80 -	- 87	- 95
	NO. 200 - 98	- 78	- 90
		- 59	- 76
LIQUID LIMIT	- 39	- 24	- ND
PLASTICITY INDEX	- 25	- 9	- NP
AASHTO SOIL	- A-6(25)	- A-4(2)	- A-4(0)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 28.0	- 18.9	- 20.1
ACHMSC (IN)	- ---	- 5.0WX	- ---
ACHMBC (IN)	- ---	- 8.0	- ---
AGG.BASE CRS,CL-7 (IN)	- ---	- 10.0	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 17
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201516	- 20201517	- 20201518
SAMPLE ID	- S318	- S319	- S320
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 221+00 NB	- 221+00 NB	- 221+00 SB
LOCATION	- 06 RT	- 21 RT	- 06 LT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/GR	- BR/GR	- RED
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 54.00	- 33 34 54.00	- 33 34 53.60
LONGITUDE DEG-MIN-SEC	- 94 02 16.60	- 94 02 16.40	- 94 02 17.90
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	-	100
3/8 IN.	-	-	99
NO. 4	- 100	- 100	- 97
NO. 10	-	-	- 94
NO. 40	-	-	- 92
NO. 80	-	-	- 90
NO. 200	- 96	- 93	- 89
LIQUID LIMIT	- 52	- 42	- 41
PLASTICITY INDEX	- 37	- 30	- 28
AASHTO SOIL	- A-7-6(38)	- A-7-6(28)	- A-7-6(24)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 23.6	- 23.8	- 21.8
ACHMSC (IN)	- 4.0W	- 3.5W	- 3.5W
ACHMBC (IN)	- 8.5W	- ---	- 8.0W
AGG.BASE CRS,CL-7 (IN)	- 8.0	- 9.0	- 8.0
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 18
JOB NUMBER	- 030531	MATERIAL CODE	- SSRVPS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS		

LAB NUMBER	- 20201519	-	-
SAMPLE ID	- S321	-	-
TEST STATUS	- INFORMATION ONLY	-	-
STATION	- 221+00 SB	-	-
LOCATION	- 21 LT	-	-
DEPTH IN FEET	- 0-5	-	-
MAT'L COLOR	- RED	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 53.50	-	-
LONGITUDE DEG-MIN-SEC	- 94 02 18.00	-	-
% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	-	-
	NO. 4	- 100	-
	NO. 10	-	-
	NO. 40	-	-
	NO. 80	-	-
	NO. 200	- 96	-
LIQUID LIMIT	- 38	-	-
PLASTICITY INDEX	- 24	-	-
AASHTO SOIL	- A-6(23)	-	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	- 27.5	-	-
ACHMSC	(IN) - 4.0W	-	-
ACHMBC	(IN) - 7.5W	-	-
AGG.BASE CRS,CL-7	(IN) - 8.0	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

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

JONATHAN A. ANNABLE, MATERIALS ENGINEER

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

DATE	- 09/01/20	SEQUENCE NO.	- 1
JOB NUMBER	- 030531	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	- 41
SUPPLIER NAME	- STATE	DISTRICT NO.	- 03
NAME OF PROJECT	- RED RIVER - OGDEN (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- LITTLE RIVER COUNTY	DATE SAMPLED	- 07/20/20
SAMPLED BY	- T.FRAZIER/JORDAN	DATE RECEIVED	- 07/29/20
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 09/01/20
MATERIAL DESC.	- SOIL SURVEY - RESISTANCE R-VALUE	ACTUAL RESULTS	

LAB NUMBER	- 20201520	- 20201521	-
SAMPLE ID	- RV322	- RV323	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	-
STATION	- 126+00 NB	- 213+00 SB	-
LOCATION	- 36 RT RV	- 21 RT RV	-
DEPTH IN FEET	- 0-5	- 0-5	-
MAT'L COLOR	- RD/BR	- RD/BR	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 33 25.10	- 33 34 46.20	-
LONGITUDE DEG-MIN-SEC	- 94 02 27.10	- 94 02 15.40	-
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	100	-
	3/4 IN. - 100	96	-
	3/8 IN. - 83	92	-
	NO. 4 - 78	82	-
	NO. 10 - 74	76	-
	NO. 40 - 70	68	-
	NO. 80 - 64	56	-
	NO. 200 - 45	41	-

LIQUID LIMIT	- ND	- 29	-
PLASTICITY INDEX	- NP	- 15	-
AASHTO SOIL	- A-4 (0)	- A-6 (2)	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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AASHTO TESTS : T24 T88 T89 T90 T265

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