ARKANSAS DEPARTMENT OF TRANSPORTATION



SUBSURFACE INVESTIGATION

STATE JOB NO.		080499		
FEDERAL AID PROJECT NO.	1	NHPP-BFP-0036(18)		
	GEE C	REEK STR. & APPRS. (S)		
STATE HIGHWAY	123	SECTION	3	
IN		JOHNSON		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

November 27, 2017

TO: Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT: Job No. 080499 Big Piney & Gee Creeks Strs. & Apprs. (S) Route 123 Section 3 Johnson County

Transmitted herewith is the requested Soil Survey, strength data and Resilient Modulus test results for the above referenced job. The project consists of replacing the bridges crossing Big Piney and Gee Creeks on Highway 123. Samples were obtained in the existing travel lanes, ditch line and new location. There were no paved shoulders within the project limits.

Based on laboratory results of samples obtained, the subgrade soils consist primarily of moderately plastic sandy clay with gravel and sandstone fragments. Cross-sections are not currently available, but it is assumed the construction grade line will closely match that of the existing roadway. The subgrade soils are expected to provide a stable working platform with normal processing if the weather is favorable during construction. Rock was encountered at station 104+00 at 6 and 18 feet right of centerline at a depth of 1.0 and 3.0 feet respectively; and at station 113+00 at centerline of construction at a depth of 1.5 feet.

Additional earthwork recommendations will be made upon request when plans are further 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 located in the vicinity of Russellville.
- 2. Asphalt Concrete Hot Mix

Туре	Asphalt Cement %	Mineral Aggregate %
Surface Course	5.5	94.5
Binder Course	4.4	95.6
Base Course	4.0	96.0

Michael C. Benson Materials Engineer

MCB:pt:bjj

Attachment

cc: State Constr. Eng. – Master File Copy District 8 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 = 11/08/2017 SEQUENCE NO. - 1 JOB NUMBER = 080499 MATERIAL CODE - SSRV SPEC. YEAR = 2014 SUPPLIER ID. - 1 COUNTY/STATE = 36

DISTRICT NO. - 08 JOB NAME - BIG PINEY & GEE CREEKS STRS. & APPRS.(S) * STATION LIMITS R-VALUE AT 240 psi

*

BEGIN JOB 📼 END JOB 15 RESILIENT MODULUS STA. 104 + 00 6804 STA. 202 + 00 7581

REMARKS -

AASHTO TESTS : T190

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

Job No. Date Sampled: Date Tested: Name of Project:	080499 10/18/17 October 27, 2017 BIG PINEY & GEE CREEK STRS. & APPRS. (S)	Material Code Station No.: Location:	SSRVPS 104+00 18'RT
County: Sampled By: Lab No.: Sample ID: LATITUDE:	Code:36Name:JOHNSONBUIE/JORDAN20173263RV659	Depth: AASHTO Class: Material Type (1 or 2) LONGITUDE:	0-5 A-4 (0) 2
1. Testing Inform	nation:		
	Preconditioning - Permanent Strain > 5% (Y=Y Testing - Permanent Strain > 5% (Y=Yes or N= Number of Load Sequences Completed (0-15)	•	N N 15
2. Specimen Info	ormation:		
3. Soil Specimer 4. Soil Propertie	Specimen Diameter (in): Top Middle Bottom Average Membrane Thickness (in): Height of Specimen, Cap and Base (in): Height of Cap and Base (in): Initial Length, Lo (in): Initial Area, Ao (sq. in): Initial Volume, AoLo (cu. in): Weight: Weight of Wet Soil Used (g):		3.95 3.95 3.95 3.95 0.01 8 0.00 8 12.18 97.44 3376.40 12.7 118 112.1 N/A
			IN/A
5. Specimen Pro	perties: Wet Weight (g): Compaction Moisture content (%): Compaction Wet Density (pcf): Compaction Dry Density (pcf): Moisture Content After Mr Test (%):		3376.40 12.6 132.03 117.26 12.7
6. Quick Shear T	est (Y=Yes, N=No, N/A=Not Applicable):		#VALUE!
7. Resilient Mod		8350(S	c)^-0.23930(S3)^0.41803
8. Comments			
9. Tested By:	Da	te: October 27, 2017	

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

Job No.	080499			Material Code	SSRVPS
Date Sampled:	10/18/17			Station No.:	104+00
Date Tested:	October 27, 2017			Location:	18'RT
Name of Project:	BIG PINEY & GEE	CREEK STRS	S. & APPRS. (S)		
County:	Code: 36	Name:	NOSNHO		
Sampled By:	BUIE/JORDAN			Depth:	0-5
Lab No.:	20173263			AASHTO Class:	A-4 (0)
Sample ID:	RV659			Material Type (1 or 2): 2	(): 2
LATITUDE:				LONGITUDE:	

Chamber	Nominal	Actual	Actual	Actual	Actual	Actual	Actual	Average	Resilient	Resilient
g	Maximum	Applied	Applied	Applied	Applied	Applied	Applied	Recov Def.	Strain	Modulus
Pressure	Stress	iviax. Axiai I nad	Uyciic Load	Lontact	Avial	Stress	Contact	and 2		
	200	2		2	Stress		200	2		
S3	S _{cyclic}	P _{max}	P _{cyclic}	P _{contact}	S _{max}	S _{cyclic}	Scontact	Havg	έ	Mr
psi	psi	lbs	lbs	lbs	psi	psi	psi	Ē	in/in	psi
6.0	2.0	25.2	22.3	2.8	2.1	1.8	0.2	0.00099	0.00012	14,753
6.0	4.0	47.1	44.3	2.9	3.9	3.6	0.2	0.00211	0.00026	13,813
6.0	6.0	69.6	62.9	3.7	5.7	5.4	0.3	0.00348	0.00043	12,447
6.0	8.0	92.4	86.3	6.1	7.6	7.1	0.5	0.00520	0.00065	10,903
6.0	10.0	115.7	107.2	8.5	9.5	8.8	0.7	0.00682	0.00085	10,334
4.0	2.0	25.0	22.1	2.8	2.0	1.8	0.2	0.00116	0.00014	12,560
4.0	4.0	46.4	43.6	2.8	3.8	3.6	0.2	0.00262	0.00033	10,944
4.0	6.0	67.3	64.5	2.8	5.5	5.3	0.2	0.00428	0.00053	9,909
4.0	8.0	90.4	85.2	5.2	7.4	7.0	0.4	0.00611	0.00076	9,167
4.0	10.0	113.1	105.5	7.6	9.3	8.7	0.6	0.00798	0.00100	8,685
2.0	2.0	24.6	21.8	2.8	2.0	1.8	0.2	0.00145	0.00018	9,878
2.0	4.0	45.2	42.4	2.8	3.7	3.5	0.2	0.00332	0.00042	8,379
2.0	6.0	64.7	61.9	2.8	5.3	5.1	0.2	0.00546	0.00068	7,447
2.0	8.0	86.0	81.7	4.3	7.1	6.7	0.4	0.00755	0.00094	7,107
2.0	10.0	108.1	101.4	6.7	8.9	8.3	0.6	0.00979	0.00122	6,804

TESTED BY REVIEWED BY

GW

October 27, 2017

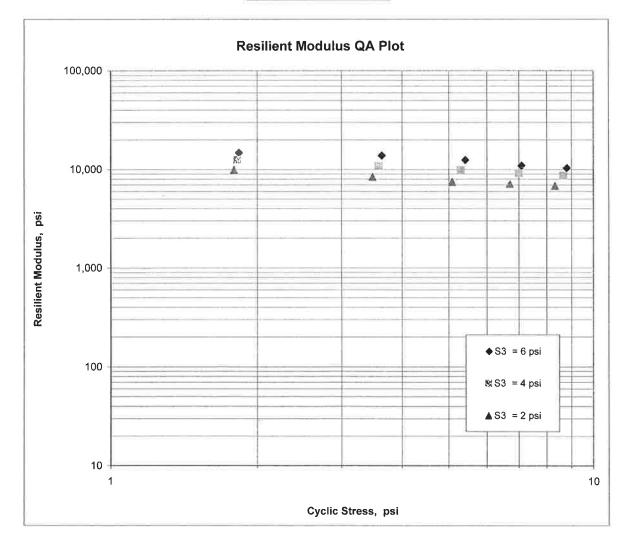
DATE DATE

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

Job No.	080499			Material Code SSRVPS
Date Sampled:	10/18/17			Station No.: 104+00
Date Tested:	October 27, 2017			Location: 18'RT
Name of Project:	BIG PINEY & GEE	CREEK S	STRS. & APPRS.	(S)
County:	Code: 36	Name:	JOHNSON	
Sampled By:	BUIE/JORDAN			Depth: 0-5
Lab No.:	20173263			AASHTO Class: A-4 (0)
Sample ID:	RV659		Mate	rial Type (1 or 2): 2
LATITUDE:				LONGITUDE:

 $M_{R} = K1 (S_{C})^{K2} (S_{3})^{K5}$

K1 =	8,350	
K2 =	-0.23930	
K5 =	0.41803	
$R^2 =$	0.99	



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

Job No. Date Sampled: Date Tested: Name of Project:	080499 10/18/17 November 2, 2017 BIG PINEY & GEE CREEKS STRS. & APPRS. (S)	Material Code Station No.: Location:	SSRVPS 202+00 18'RT
County: Sampled By: Lab No.: Sample ID: LATITUDE:	Code: 36 Name: JOHNSON BUIE/JORDAN 20173264 RV660	Depth: AASHTO Class: Material Type (1 or 2 LONGITUDE:	0-5 A-2-4 (0)): 2
1. Testing Inform	nation:		
-	Preconditioning - Permanent Strain > 5% (Y=Ye Testing - Permanent Strain > 5% (Y=Yes or N=N Number of Load Sequences Completed (0-15)		N N 15
2. Specimen Info	ormation:		
	Specimen Diameter (in):		
	Тор		3.95
	Middle		3.95
	Bottom		3.95
	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):		12.18
	Initial Volume, AoLo (cu. in):		97.56
2 Sail Speaimer	. Woisht		
3. Soil Specimer			2216 20
	Weight of Wet Soil Used (g):		3316.30
4. Soil Propertie	s:		
	Optimum Moisture Content (%):		12.5
	Maximum Dry Density (pcf):		116.8
	95% of MDD (pcf):		111.0
	In-Situ Moisture Content (%):		N/A
5. Specimen Pro	merties:		
5. eponion 10	Wet Weight (g):		3316.30
	Compaction Moisture content (%):		12.6
	Compaction Wet Density (pcf):		129.52
	Compaction Dry Density (pcf):		115.03
	Moisture Content After Mr Test (%):		12.7
6. Quick Shear 1	Γest (Y=Yes, N=No, N/A≃Not Applicable):		#VALUE!
7. Resilient Mod	ulus, Mr:	8888((Sc)^-0.19740(S3)^0.36515
8. Comments	2		
9. Tested By:	GW Dat	te: November 2, 2017	

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

Job No.	080499			Material Code	SSRVPS
Date Sampled:	10/18/17			Station No.:	202+00
Date Tested:	November 2, 2017			Location:	18'RT
Name of Project:	BIG PINEY & GEE CREEKS STRS. & APPRS. (S)	CREEKS STF	RS. & APPRS. (S)		
County:	Code: 36	Name:	NOSNHO		
Sampled By:	BUIE/JORDAN			Depth:	0-5
Lab No.:	20173264			AASHTO Class:	A-2-4 (0)
Sample ID:	RV660			Material Type (1 or 2): 2	2): 2
LATITUDE:				LONGITUDE:	

	_	-	-	<u> </u>		_	_				_	_						_
Resilient Modulus		Mr	psi	14,747	14,137	12,881	11,365	10,731	12,894	11,535	10,527	9,949	9,383	10,038	6'00	8,342	7,891	7,581
Resilient Strain		μ	in/in	0.00012	0.00026	0.00042	0.00063	0.00082	0.00014	0.00031	0.00051	0.00071	0.00093	0.00018	0.00039	0.00062	0.00086	0.00111
Average Recov Def. LVDT 1	and 2	H _{avg}	.Ľ	0.00099	0.00207	0.00338	0.00502	0.00659	0.00114	0.00250	0.00405	0.00567	0.00744	0.00144	0.00313	0.00497	0.00691	0.00892
Actual Applied Contact	Stress	Scontact	psi	0.2	0.2	0.3	0.5	0.7	0.2	0.2	0.2	0.4	0.6	0.2	0.2	0.2	0.4	0.6
Actual Applied Cyclic	Stress	S _{cyclic}	psi	1.8	3.6	5.4	7.1	8.8	1.8	3.6	5.3	7.0	8.7	1.8	3.5	5.2	6.8	8.4
Actual Applied Max.	Axial Stress	S _{max}	psi	2.1	3.9	5.7	7.6	9.5	2.1	3.8	5.6	7.5	9.3	2.0	3.8	5.4	7.2	9.0
Actual Applied Contact	Load	Pcontact	lbs	2.9	2.8	3.7	6.1	8.5	2.8	2.8	2.8	5.2	7.6	2.8	2.9	2.8	4.3	6.7
Actual Applied Cyclic Load		P _{cyclic}	lbs	22.3	44.5	66.1	86.7	107.5	22.3	43.8	64.8	85.7	106.2	22.0	42.9	63.1	82.9	102.8
Actual Applied Max. Axial		P max	lbs	25.1	47.3	69.8	92.8	115.9	25.1	46.6	67.6	90.9	113.9	24.8	45.8	65.9	87.2	109.6
Nominal Maximum Axial	Stress	S _{cyclic}	psi	2.0	4.0	6.0	8.0	10.0	2.0	4.0	6.0	8.0	10.0	2.0	4.0	6.0	8.0	10.0
Chamber Confining Pressure		ဟိ	psi	6.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
PARAMETER		DESIGNATION	UNIT	Sequence 1	Sequence 2	Sequence 3	Sequence 4	Sequence 5	Sequence 6	Sequence 7	Sequence 8	Sequence 9	Sequence 10	Sequence 11	Sequence 12	Sequence 13	Sequence 14	Sequence 15

November 2, 2017

REVIEWED BY TESTED BY

GW

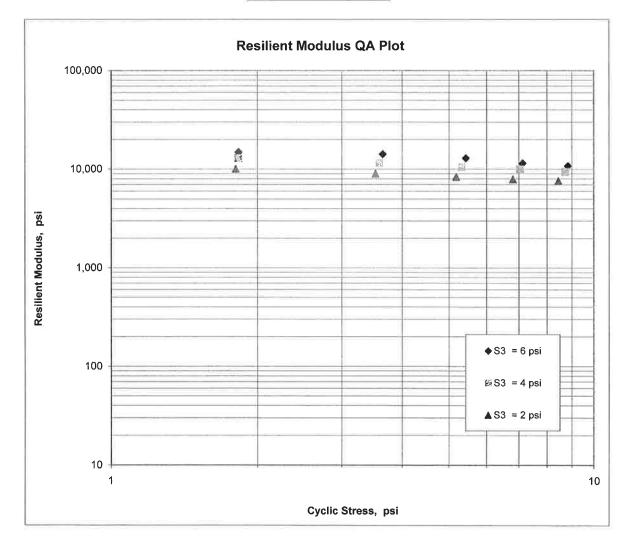
DATE DATE

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

Job No.	080499			Material Code	SSRVPS
Date Sampled:	10/18/17			Station No.:	202+00
Date Tested:	November 2, 2017			Location:	18'RT
Name of Project:	BIG PINEY & GEE	CREEKS	STRS. & APPR	S. (S)	
County:	Code: 36	Name:	JOHNSON		
Sampled By:	BUIE/JORDAN			Depth:	0-5
Lab No.:	20173264			AASHTO Class:	A-2-4 (0)
Sample ID:	RV660		Mate	erial Type (1 or 2):	2
LATITUDE:				LONGITUDE:	

 $M_R = K1 (S_C)^{K_2} (S_3)^{K_5}$

K1 =	8,888
K2 =	-0.19740
K5 =	0.36515
$R^2 =$	0.98



ARKANSAS STATE HIGHWAY AND TRANSPORTATION MATERIALS DI MICHAEL BENSON, MATERIA *** SOIL SURVEY / PAVEMENT S	IVISION ALS ENGINEER
DATE - 11/08/17 JOB NUMBER - 080499 FEDERAL AID NO TO BE ASSIGNED PURPOSE - SOIL SURVEY SAMPLE SPEC. REMARKS - NO SPECIFICATION CHECK SUPPLIER NAME - STATE NAME OF PROJECT - BIG PINEY & GEE CREEKS STRS PROJECT ENGINEER - NOT APPLICABLE PIT/QUARRY - ARKANSAS	SEQUENCE NO 1 MATERIAL CODE - SSRVPS SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 36 DISTRICT NO 08
LOCATION - JOHNSON COUNTY SAMPLED BY - BOUIE/JORDAN SAMPLE FROM - TEST HOLE MATERIAL DESC SOIL SURVEY - R VALUE- PAVEN	DATE SAMPLED - 10/18/17 DATE RECEIVED - 10/19/17 DATE TESTED - 11/07/17 MENT SOUNDINGS
LAB NUMBER - 20173255 -	- 20173256 - 20173257 - S652 - S653 - INFORMATION ONLY - INFORMATION ONLY
LOCATION - 06RT DEPTH IN FEET - 0-1Z MAT'L COLOR - RD/BR MAT'L TYPE -	18RT 06LT 0-3Z 0-5 RD/BR BROWN
LATITUDE DEG-MIN-SEC - 35 40 38.70 LONGITUDE DEG-MIN-SEC - 93 15 44.60	
1 1/2 IN	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
LIQUID LIMIT - PLASTICITY INDEX - AASHTO SOIL - UNIFIED SOIL -	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
<pre>% MOISTURE CONTENT - ACHMSC (IN) - 3.0W AGG. BASE CRS. CL-7 (IN) - 8.0</pre>	
REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL -	

AASHTO TESTS : T24 T88 T89 T90 T265

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ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE R MATERIALS DIVISION	ROCK, ARKANSAS
MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT **	*
	CODE - SSRVPS R - 2014 ID 1 ATE - 36
SAMPLED BY - BOUIE/JORDAN DATE RECE	PLED - 10/18/17 IVED - 10/19/17 PED - 11/07/17
LAB NUMBER - 20173258 - 20173259 - SAMPLE ID - S654 - S655 - TEST STATUS - INFORMATION ONLY - INFORMATION ONLY - STATION - 118+00 - 202+00 - LOCATION - 18LT - 06RT - DEPTH IN FEET - 0-5 - - -	S656
LATITUDE DEG-MIN-SEC - 35 40 46.10 - 35 40 39.80 - LONGITUDE DEG-MIN-SEC - 93 15 35.50 93 14 15.30	
% PASSING 2 IN - <	85
LIQUID LIMIT - 24 - 27 - PLASTICITY INDEX - 11 - 14 - AASHTO SOIL - A-2-6 (0) - A-6 (2) - UNIFIED SOIL	26 11 A-6 (1) 11.2
ACHMSC (IN) 3.0W - AGG. BASE CRS. CL-7 (IN) 6.0 	222

REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL

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ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT - LITTLE ROCK, ARKANSAS MATERIALS DIVISION MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT *** - 11/08/17 DATE SEQUENCE NO. - 3 JOB NUMBER - 080499 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 - 36 SUPPLIER NAME - STATE DISTRICT NO. - 08 NAME OF PROJECT - BIG PINEY & GEE CREEKS STRS. & APPRS.(S) PROJECT ENGINEER - NOT APPLICABLE PIT/QUARRY - ARKANSAS LOCATION - JOHNSON COUNTY DATE SAMPLED - 10/18/17 SAMPLED BY - BOUIE/JORDAN DATE RECEIVED - 10/19/17 SAMPLE FROM - TEST HOLE DATE TESTED - 11/07/18 MATERIAL DESC. - SOIL SURVEY - R VALUE- PAVEMENT SOUNDINGS = 20173261 - 20173262 = S657 _ S658 LAB NUMBER SAMPLE ID TEST STATUS 🐃 INFORMATION ONLY - INFORMATION ONLY -- 219+00 219+00 STATION - 06LT - 0-5 - BROWN - 18LT LOCATION - 0-5 DEPTH IN FEET _ 0-5 _ BROWN MAT'L COLOR MAT'L TYPE 100 LATITUDE DEG-MIN-SEC = 35 40 36.50 - 35 40 36.50 LONGITUDE DEG-MIN-SEC - 93 13 56.10 93 13 56.00 * PASSING 2 IN. -1 1/2 IN. 📼 - 100 3/4 IN. 🛥 3/8 IN. 🖙 100 98 NO. 4 - 93 92 NO. 10 - 86 84 NO. 40 - 79 76 NO. 80 - 72 - 58 NO. 200 - 64 39 - ND LIQUID LIMIT - 39 PLASTICITY INDEX - 23 AASHTO SOIL - A-6 (12) NP1 A-4 (0) UNIFIED SOIL / () () % MOISTURE CONTENT 📮 18.2 14.8 (IN) - 3.5W ---ACHMSC -AGG. BASE CRS CL-7 (IN) -5.0 -----

REMARKS - W=MULTIPLE LAYERS, Z=AUGER REFUSAL

ARKANSAS STATE HIGHWAY AND TRANSPORTAT MATERIALS MICHAEL BENSON, MATER	DIVISION
*** SOIL SURVEY / PAVEMENT	
DATE - 11/08/17 JOB NUMBER - 080499 FEDERAL AID NO TO BE ASSIGNED PURPOSE - SOIL SURVEY SAMPLE SPEC. REMARKS - NO SPECIFICATION CHECK SUPPLIER NAME - STATE NAME OF PROJECT - BIG PINEY & GEE CREEKS ST PROJECT ENGINEER - NOT APPLICABLE PIT/QUARRY - ARKANSAS	COUNTY/STATE - 36 DISTRICT NO 08 TRS. & APPRS.(S)
LOCATION - JOHNSON COUNTY SAMPLED BY - BOUIE/JORDAN SAMPLE FROM - TEST HOLE MATERIAL DESC SOIL SURVEY - RESISTANCE R	DATE SAMPLED - 10/18/17 DATE RECEIVED - 10/19/17 DATE TESTED - 11/07/17 -VALUE ACTUAL RESULTS
LAB NUMBER - 20173263 SAMPLE ID - RV659 TEST STATUS - INFORMATION ONLY	
STATION-104+00LOCATION-18RTDEPTH IN FEET-0-5	- 202+00 - - 18RT - - 0-5 -
MAT'L COLOR - BROWN MAT'L TYPE - LATITUDE DEG-MIN-SEC - 35 40 38.50 LONGITUDE DEG-MIN-SEC - 93 15 44.30	BROWN - 35 40 39.70 - 93 14 15.40
<pre>% PASSING 2 IN 1 1/2 IN 3/4 IN 100 3/8 IN 91 NO. 4 - 82 NO. 10 - 78 NO. 40 - 68 NO. 80 - 59 NO. 200 - 36</pre>	- 100 - - 90 - - 85 - - 82 - - 70 - - 63 - 32
LIQUID LIMIT - 23 PLASTICITY INDEX - 9 AASHTO SOIL - A-4 (0) UNIFIED SOIL - % MOISTURE CONTENT -	- ND - NP - A-2-4 (0)
- - - - - - -	
- - - REMARKS - W=MULTIPLE LAYERS	

AASHTO TESTS : T24 T88 T89 T90 T265

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JOB:	0804	99				ł	4rkai	nsas Sta	ate Hig	-	Transporati	-	artment
JOB N.	AME:	BIG PIN	EY & GEE CREE	KS S	STRS.	& APF	PRS.(S	5)		1	Materials Divisio	n	
COUN	TY NO.	36	DATE TESTED		11/7/2	2017			M	ichael .	Benson, Materia	ls Engin	eer
STA.#	LOC.	DEPTH	COLOR	# 4	#10	# 40 E	#80	#200	L.L.	<i>P.I</i> .	SOIL CLASS	<i>LAB</i> #:	%MOISTURE
104+00	06RT	0-1Z	RD/BR			E		5 5					
104+00	18RT	0-5	BROWN	82	78	68	59	36	23	9	A-4 (0)	RV659	
202+00	18RT	0-5	BROWN	85	82	70	63	32	ND	NP	A-2-4 (0)	RV660	
104+00	18RT	0-3Z	RD/BR	92	87	79	58	42	24	10	A-4 (1)	S652	10.5
118+00	06LT	0-5	BROWN	90	79	69	50	34	19	5	A-2-4 (0)	S653	8.5
118+00	18LT	0-5	BROWN	82	76	69	47	35	24	11	A-2-6 (0)	S654	10.5
202+00	06RT	0-5	BROWN	97	92	85	61	42	27	14	A-6 (2)	S655	10.4
202+00	18RT	0-5	BROWN	96	91	85	65	44	26	11	A-6 (1)	S656	11.2
219+00	06LT	0-5	BROWN	93	86	79	72	64	39	23	A-6 (12)	S657	18.2
219+00	18LT	0-5	BROWN	92	84	76	58	39	ND	NP	A-4 (0)	S658	14.8

	GEE CREEKS STRS. & APPRS.(S)
080499	BIG PINEY & GI
JOB:	JOB NAME:

Arkansas State Highway Transporation Department Materials Division

Benson, Materials Engineer ENT SOUNDINGS

JOB N.	4ME: BI	G PINEY & GEE CF	JOB NAME: BIG PINEY & GEE CREEKS STRS. & APPRS.(S)	Mat
COUN	COUNTY NO. ³⁶	36	, I	Michael Be
STA.# LOC.	LOC.			PAVEME
104+00	06RT	ACHMSC 3.0W	AGG. BASE CRS. CL-7 8.0	
104+00	18RT	ACHMSC 	AGG. BASE CRS. CL-7	
118+00	06LT	ACHMSC 1.5	AGG. BASE CRS. CL-7 5.0	
118+00	18LT	ACHMSC 	AGG. BASE CRS. CL-7	
202+00	06RT	ACHMSC 3.0W	AGG. BASE CRS. CL-7 6.0	
202+00	18RT	ACHMSC 	AGG. BASE CRS. CL-7	
219+00	06LT	ACHMSC 3.5W	AGG. BASE CRS. CL-7 5.0	
219+00	18LT	ACHMSC	AGG. BASE CRS. CL-7	

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Thursday, November 16, 2017

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