

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT



**SUBSURFACE INVESTIGATION**

STATE JOB NO. 020484

FEDERAL AID PROJECT NO. NCIIP-022(35)

HWY. 425 – HWY. 278 EAST (BS. & SURF.) (MONTICELLO BYPASS) (S)

STATE HIGHWAY 69 SECTION 0

IN DREW 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 STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

December 18, 2013

**TO:** Mr. Trinity Smith, Engineer of Roadway Design

**SUBJECT:** Job No. 020484  
Hwy. 425 – Hwy. 278 East (Bs. & Surf.) (Monticello Bypass) (S)  
Route 69 Section 0  
Drew County


Transmitted herewith are the requested Soil Survey results for the above referenced job. The project consists of paving approximately 8.6 miles of new construction for the proposed Interstate 69. Samples were obtained along the new alignment in subgrade being constructed in project 020471. Locations not reported below have not yet been constructed in project 020471. Locations were measured from centerline of construction and should be noted as such on the logs.

Based on laboratory results of samples obtained, the subgrade soils between stations 4428+00 to 4700+00 consist primarily of moderately plastic sandy clay and between stations 4276+00 to 4420+00, and 4708+00 to 4724+00 consist primarily of highly plastic clay. Stabilization will likely be required throughout the project limits to achieve a stable working platform. For the sandy clays between stations 4428+00 to 4700+00 it is recommended that 9% Portland Cement, and the highly plastic clays between stations 4276+00 to 4420+00 and 4708+00 to 4724+00 use 5% lime (by dry weight) mixed to a depth of 16 inches be used for quantity estimation purposes. However, if the Engineer determines stabilization is necessary; field trials or local experience may dictate that a stable working platform may be achieved at a lower Portland cement or lime content.

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 Little Rock, or at the Yellow Bend river port near McGehee.
2. Asphalt Concrete Hot Mix

PG 64-22		
Type	Asphalt Cement %	Mineral Aggregate %
Surface Course	5.3	94.7
Binder Course	4.3	95.7
Base Course	4.0	96.0

  
Michael C. Benson  
Materials Engineer

MCB:pt:bjj  
Attachment

cc: State Constr. Eng. – Master File Copy  
District 2 Engineer  
Planning Div.  
G. C. File

JOB: 020484

Arkansas State Highway Transportation Department

JOB NAME: HWY.425 - HWY.278 EAST (BS & SURF)

Materials Division

COUNTY NO. 22 DATE TESTED 11/21/2013

Michael Benson, Materials Engineer

STA.#	LOC.	DEPTH	COLOR						L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				#4	#10	#40	#80	#200					
				S	I	E	V	E	S				
4276+0	25RT	0-5	BROWN	100	99	96	92	86	46	27	A-7-6(23)	S1922	
4284+0	25RT	0-5	BROWN	100				98	96	72	A-7-6(82)	S1923	
4292+0	25RT	0-5	BROWN	100	99	96	94	77	56	37	A-7-6(27)	S1924	
4300+0	25RT	0-5	BROWN	100	99	97	96	78	47	31	A-7-6(23)	S1925	
4308+0	25RT	0-5	BR/GR	99	96	96	94	80	55	37	A-7-6(32)	S1926	
4316+0	25RT	0-5	BROWN	98	96	96	93	89	51	34	A-7-6(32)	S1927	
4324+0	25RT	0-5	BR/GR	100				96	39	16	A-6(17)	S1928	
4332+0	25RT	0-5	BR/GR	99	98	95	90	80	53	30	A-7-6(25)	S1929	
4340+0	25RT	0-5	BR/GR					95	54	31	A-7-6(33)	S1930	
4348+0	25RT	0-5	BROWN	98	96	92	86	76	47	25	A-7-6(19)	S1931	
4356+0	25RT	0-5	BR/GR	99	98	93	81	64	42	29	A-7-6(15)	S1932	
4364+0	25RT	0-5	BR/GR	96	94	86	73	61	43	26	A-7-6(13)	S1933	
4372+0	25RT	0-5	BROWN	99	97	93	86	74	43	24	A-7-6(17)	S1934	
4380+0	25RT	0-5	BROWN	99	99	97	96	81	35	19	A-6(14)	S1935	
4388+0	25RT	0-5	BR/GR	99	99	97	95	84	52	34	A-7-6(29)	S1936	
4396+0	25RT	0-5	BR/GR	99	97	84	54	42	23	11	A-6(1)	S1937	
4404+0	25RT	0-5	BR/GR	97	94	85	63	51	30	13	A-6(3)	S1938	
4412+0	25RT	0-5	BR/GR	100	99	95	88	77	43	28	A-7-6(20)	S1939	
4420+0	25RT	0-5	BR/GR	99	97	92	80	64	31	17	A-6(8)	S1940	
4428+0	35RT	0-5	BROWN	99	98	94	85	77	27	13	A-6(8)	S1941	
4436+0	35RT	0-5	BROWN	98	96	90	76	65	27	13	A-6(6)	S1942	
4444+0	40RT	0-5	BROWN		100	94	85	72	24	08	A-4(3)	S1943	
4452+0	CL	0-5	BROWN	99	98	94	83	67	20	05	A-4(1)	S1944	
4460+0	CL	0-5	BROWN		100	98	95	86	41	24	A-7-6(20)	S1945	
4468+0	25RT	0-5	BROWN	97	95	90	78	60	23	08	A-4(2)	S1946	
4476+0	25RT	0-5	BR/GR	100	99	98	92	69	33	16	A-6(9)	S1947	

comments: LOCATIONS MEASURED FROM CENTERLINE OF CONST.

Monday, November 25, 2013

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
4484+0	15RT	0-5	BR/GR	100	98	95	89	79	27	09	A-4(5)	S1948	
4492+0	10RT	0-5	BR/GR	100	98	93	87	74	26	10	A-4(5)	S1949	
4500+0	30RT	0-5	BR/GR	100	99	95	82	62	24	08	A-4(2)	S1950	
4508+0	40RT	0-5	BR/GR	100	99	94	86	71	28	10	A-4(5)	S1951	
4516+0	60RT	0-5	BR/GR	100	100	96	86	68	21	04	A-4(0)	S1952	
4524+0	45RT	0-5	BR/GR	100	100	98	94	86	27	10	A-4(7)	S1953	
4532+0	65RT	0-5	BR/GR	100	100	98	94	81	28	10	A-4(8)	S1954	
4540+0	60RT	0-5	BR/GR	100	98	94	82	79	26	11	A-6(6)	S1955	
4548+0	CL	0-5	BR/GR	100	99	97	93	87	28	10	A-4(7)	S1956	
4556+0	20RT	0-5	BR/GR	100	99	96	90	81	31	12	A-6(8)	S1957	
4564+0	25RT	0-5	BR/GR	100	97	94	89	81	26	08	A-4(5)	S1958	
4572+0	30RT	0-5	GRAY	100	99	96	90	79	24	06	A-4(3)	S1959	
4580+0	25RT	0-5	BR/GR	100	99	97	92	84	29	11	A-6(8)	S1960	
4588+0	25RT	0-5	BROWN	100	99	94	86	74	27	11	A-6(6)	S1961	
4596+0	30RT	0-5	BROWN	100	99	98	94	88	29	12	A-6(9)	S1962	
4604+0	30RT	0-5	BR/GR	100	99	97	93	87	29	12	A-6(9)	S1963	
4612+0	30RT	0-5	BROWN	100	99	93	86	78	29	15	A-6(9)	S1964	
4620+0	30RT	0-5	BR/GR	100	100	98	92	74	26	12	A-6(6)	S1965	
4628+0	30RT	0-5	BR/GR	100	99	92	76	66	24	11	A-6(4)	S1966	
4636+0	30RT	0-5	BR/GR	99	97	89	73	67	21	11	A-6(3)	S1967	
4644+0	30RT	0-5	BR/GR	100	99	77	64	65	37	24	A-6(9)	S1968	
4652+0	30RT	0-5	BROWN	99	98	95	88	79	30	14	A-6(9)	S1969	
4660+0	30RT	0-5	BROWN	100	99	95	82	72	22	07	A-4(2)	S1970	
4668+0	30RT	0-5	BR/GR	100	100	99	92	84	26	10	A-4(6)	S1971	
4676+0	30RT	0-5	BR/GR	100	99	97	92	82	26	10	A-4(7)	S1972	
4684+0	30RT	0-5	BROWN	100	99	97	92	86	29	13	A-6(11)	S1973	
4692+0	30RT	0-5	BROWN	99	96	93	90	87	22	07	A-4(4)	S1974	
4700+0	25RT	0-5	BROWN	100	99	95	83	87	28	12	A-6(9)	S1975	

comments: LOCATIONS MEASURED FROM CENTERLINE OF CONST.

Monday, November 25, 2013

STA.#	LOC.	DEPTH	COLOR	#4 #10 #40 #80 #200					L.L.	P.I.	SOIL CLASS	LAB #:	%MOISTURE
				S	I	E	V	E					
4708+0	25RT	0-5	BROWN	100				95	37	20	A-6(19)	S1976	
4716+0	25RT	0-5	BROWN	100				94	33	16	A-6(14)	S1977	
4724+0	25RT	0-5	BROWN	100				95	39	22	A-6(21)	S1978	

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 11/22/13 SEQUENCE NO. - 1  
 JOB NUMBER - 020484 MATERIAL CODE - SS  
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 22  
 SUPPLIER NAME - STATE DISTRICT NO. - 02  
 NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - DREW COUNTY DATE SAMPLED - 11/12/13  
 SAMPLED BY - FAULKNER/BOUGHNER DATE RECEIVED - 11/14/13  
 SAMPLE FROM - TEST HOLE DATE TESTED - 11/21/13  
 MATERIAL DESC. - SOIL SURVEY

LAB NUMBER	-	20135259	-	20135260	-	20135261
SAMPLE ID	-	S1922	-	S1923	-	S1924
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	4276+00	-	4284+00	-	4292+00
LOCATION	-	25RT	-	25RT	-	25RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	33 34 4.70	-	33 34 4.30	-	33 34 3.90
LONGITUDE DEG-MIN-SEC	-	91 47 54.60	-	91 47 45.30	-	91 47 35.80
% PASSING	2 IN.	-	-	-	-	-
	1 1/2 IN.	-	-	-	-	-
	3/4 IN.	-	-	-	-	-
	3/8 IN.	-	-	-	-	-
	NO. 4	100	-	100	-	100
	NO. 10	99	-	-	-	99
	NO. 40	96	-	-	-	96
	NO. 80	92	-	-	-	94
	NO. 200	85	-	98	-	74
LIQUID LIMIT	-	46	-	96	-	56
PLASTICITY INDEX	-	27	-	72	-	37
AASHTO SOIL	-	A-7-6(23)	-	A-7-6(82)	-	A-7-6(27)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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	- 11/22/13	SEQUENCE NO.	- 2
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY	- ARKANSAS		
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY			

LAB NUMBER	- 20135262	- 20135263	- 20135264
SAMPLE ID	- S1925	- S1926	- S1927
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4300+00	- 4308+00	- 4316+00
LOCATION	- 25RT	- 25RT	- 25RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BR/GR	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 3.50	- 33 34 3.10	- 33 34 2.70
LONGITUDE DEG-MIN-SEC	- 91 47 26.40	- 91 47 16.90	- 91 47 7.30
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	100	100
	NO. 4 - 100	99	98
	NO. 10 - 99	98	98
	NO. 40 - 97	96	95
	NO. 80 - 93	94	93
	NO. 200 - 78	83	89
LIQUID LIMIT	- 47	- 55	- 51
PLASTICITY INDEX	- 31	- 37	- 34
AASHTO SOIL	- A-7-6(23)	- A-7-6(32)	- A-7-6(32)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 11/22/13		SEQUENCE NO.	- 3
JOB NUMBER	- 020484		MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED		SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE		SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK		COUNTY/STATE	- 22
SUPPLIER NAME	- STATE		DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)				
PROJECT ENGINEER - NOT APPLICABLE				
PIT/QUARRY - ARKANSAS				
LOCATION	- DREW COUNTY		DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER		DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE		DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY				

LAB NUMBER	- 20135265		- 20135266		- 20135267
SAMPLE ID	- S1928		- S1929		- S1930
TEST STATUS	- INFORMATION ONLY		- INFORMATION ONLY		- INFORMATION ONLY
STATION	- 4324+00		- 4332+00		- 4340+00
LOCATION	- 25RT		- 25RT		- 25RT
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 2.30		- 33 34 1.90		- 33 34 1.70
LONGITUDE DEG-MIN-SEC	- 91 46 58.00		- 91 46 48.60		- 91 46 39.60
% PASSING	2 IN.	-	-	-	-
	1 1/2 IN.	-	-	-	-
	3/4 IN.	-	-	-	-
	3/8 IN.	-	- 100	-	- 100
	NO. 4	- 100	- 99	-	-
	NO. 10	-	- 98	-	-
	NO. 40	-	- 95	-	-
	NO. 80	-	- 90	-	-
	NO. 200	- 96	- 80	-	- 95
LIQUID LIMIT	- 39		- 53		- 54
PLASTICITY INDEX	- 16		- 30		- 31
AASHTO SOIL	- A-6 (17)		- A-7-6 (25)		- A-7-6 (33)
UNIFIED SOIL	-		-		-
% MOISTURE CONTENT	-		-		-
	-		-		-
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.  
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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 \*\*\*

DATE	- 11/22/13	SEQUENCE NO.	- 4
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY - ARKANSAS			
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY			

LAB NUMBER	- 20135268	- 20135269	- 20135270
SAMPLE ID	- S1931	- S1932	- S1933
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4348+00	- 4356+00	- 4364+00
LOCATION	- 25RT	- 25RT	- 25RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BR/GR	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 1.20	- 33 34 .70	- 33 34 .40
LONGITUDE DEG-MIN-SEC	- 91 46 29.40	- 91 46 19.90	- 91 46 9.50
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. - 100	-	- 100
	3/8 IN. - 99	- 100	- 99
	NO. 4 - 98	- 99	- 96
	NO. 10 - 96	- 98	- 94
	NO. 40 - 92	- 93	- 86
	NO. 80 - 85	- 81	- 73
	NO. 200 - 76	- 64	- 61
LIQUID LIMIT	- 47	- 42	- 43
PLASTICITY INDEX	- 25	- 29	- 26
AASHTO SOIL	- A-7-6(19)	- A-7-6(15)	- A-7-6(13)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.  
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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 \*\*\*

DATE - 11/22/13 SEQUENCE NO. - 5  
 JOB NUMBER - 020484 MATERIAL CODE - SS  
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 22  
 SUPPLIER NAME - STATE DISTRICT NO. - 02  
 NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - DREW COUNTY DATE SAMPLED - 11/12/13  
 SAMPLED BY - FAULKNER/BOUGHNER DATE RECEIVED - 11/14/13  
 SAMPLE FROM - TEST HOLE DATE TESTED - 11/21/13  
 MATERIAL DESC. - SOIL SURVEY

LAB NUMBER	-	20135271	-	20135272	-	20135273
SAMPLE ID	-	S1934	-	S1935	-	S1936
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	4372+00	-	4380+00	-	4388+00
LOCATION	-	25RT	-	25RT	-	25RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BR/GR
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	33 34 1.00	-	33 34 2.40	-	33 34 4.50
LONGITUDE DEG-MIN-SEC	-	91 46 1.20	-	91 45 52.00	-	91 45 42.80
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-	100	-	100
	NO. 4	-		99	-	99
	NO. 10	-		99	-	99
	NO. 40	-		97	-	97
	NO. 80	-		96	-	95
	NO. 200	-		74	-	84
LIQUID LIMIT	-	43	-	35	-	52
PLASTICITY INDEX	-	24	-	19	-	34
AASHTO SOIL	-	A-7-6(17)	-	A-6(14)	-	A-7-6(29)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 11/22/13	SEQUENCE NO.	- 6
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY	- ARKANSAS		
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY			

LAB NUMBER	- 20135274	- 20135275	- 20135276
SAMPLE ID	- S1937	- S1938	- S1939
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4396+00	- 4404+00	- 4412+00
LOCATION	- 25RT	- 25RT	- 25RT
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 7.40	- 33 34 10.90	- 33 34 15.50
LONGITUDE DEG-MIN-SEC	- 91 45 34.10	- 91 45 25.70	- 91 45 17.70
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. - 100	- 100	-
	NO. 4 - 99	- 97	- 100
	NO. 10 - 97	- 94	- 99
	NO. 40 - 84	- 85	- 95
	NO. 80 - 54	- 65	- 88
	NO. 200 - 43	- 51	- 77
LIQUID LIMIT	- 23	- 30	- 43
PLASTICITY INDEX	- 11	- 13	- 28
AASHTO SOIL	- A-6(1)	- A-6(3)	- A-7-6(20)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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	- 11/22/13	SEQUENCE NO.	- 7
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT	- HWY.425 - HWY.278 EAST (BS & SURF)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC.	- SOIL SURVEY		

LAB NUMBER	- 20135277	- 20135278	- 20135279
SAMPLE ID	- S1940	- S1941	- S1942
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4420+00	- 4428+00	- 4436+00
LOCATION	- 25RT	- 35RT	- 35RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/GR	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 34 20.50	- 33 34 25.60	- 33 34 30.80
LONGITUDE DEG-MIN-SEC	- 91 45 10.40	- 91 45 3.30	- 91 44 56.20
% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	- 100	- 100
	NO. 4	- 99	- 98
	NO. 10	- 97	- 96
	NO. 40	- 92	- 90
	NO. 80	- 80	- 76
	NO. 200	- 64	- 65
LIQUID LIMIT	- 31	- 27	- 27
PLASTICITY INDEX	- 17	- 13	- 13
AASHTO SOIL	- A-6(8)	- A-6(8)	- A-6(6)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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 - 11/22/13 SEQUENCE NO. - 8  
JOB NUMBER - 020484 MATERIAL CODE - SS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 22  
SUPPLIER NAME - STATE DISTRICT NO. - 02  
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - DREW COUNTY DATE SAMPLED - 11/12/13  
SAMPLED BY - FAULKNER/BOUGHNER DATE RECEIVED - 11/14/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 11/21/13  
MATERIAL DESC. - SOIL SURVEY

LAB NUMBER	-	20135280	-	20135281	-	20135282
SAMPLE ID	-	S1943	-	S1944	-	S1945
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	4444+00	-	4452+00	-	4460+00
LOCATION	-	40RT	-	CL	-	CL
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BROWN	-	BROWN
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	33 34 36.20	-	33 34 41.60	-	33 34 46.90
LONGITUDE DEG-MIN-SEC	-	91 44 49.20	-	91 44 42.40	-	91 44 35.30
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-	100	-	
	NO. 4		-	99	-	
	NO. 10	100	-	98	-	100
	NO. 40	94	-	94	-	98
	NO. 80	85	-	83	-	93
	NO. 200	72	-	67	-	86
LIQUID LIMIT	-	24	-	20	-	41
PLASTICITY INDEX	-	08	-	05	-	24
AASHTO SOIL	-	A-4(3)	-	A-4(1)	-	A-7-6(20)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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	-	11/22/13	SEQUENCE NO.	-	9
JOB NUMBER	-	020484	MATERIAL CODE	-	SS
FEDERAL AID NO.	-	TO BE ASSIGNED	SPEC. YEAR	-	2003
PURPOSE	-	SOIL SURVEY SAMPLE	SUPPLIER ID.	-	1
SPEC. REMARKS	-	NO SPECIFICATION CHECK	COUNTY/STATE	-	22
SUPPLIER NAME	-	STATE	DISTRICT NO.	-	02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)					
PROJECT ENGINEER - NOT APPLICABLE					
PIT/QUARRY	-	ARKANSAS			
LOCATION	-	DREW COUNTY	DATE SAMPLED	-	11/12/13
SAMPLED BY	-	FAULKNER/BOUGHNER	DATE RECEIVED	-	11/14/13
SAMPLE FROM	-	TEST HOLE	DATE TESTED	-	11/21/13
MATERIAL DESC. - SOIL SURVEY					

LAB NUMBER		20135283		20135284		20135285	
SAMPLE ID	-	S1946	-	S1947	-	S1948	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY	
STATION	-	4468+00	-	4476+00	-	4484+00	
LOCATION	-	25RT	-	25RT	-	15RT	
DEPTH IN FEET	-	0-5	-	0-5	-	0-5	
MAT'L COLOR	-	BROWN	-	BR/GR	-	BR/GR	
MAT'L TYPE	-	-	-	-	-	-	
LATITUDE DEG-MIN-SEC	-	33 34 52.10	-	33 34 57.10	-	33 35 2.60	
LONGITUDE DEG-MIN-SEC	-	91 44 27.90	-	91 44 21.00	-	91 44 13.90	
% PASSING	2	IN.	-		-		
	1 1/2	IN.	-		-		
	3/4	IN.	-		-		
	3/8	IN.	-	100	-		
	NO. 4	-	97	-	100	-	100
	NO. 10	-	95	-	99	-	98
	NO. 40	-	90	-	98	-	95
	NO. 80	-	78	-	92	-	89
	NO. 200	-	60	-	69	-	79
LIQUID LIMIT	-	23	-	33	-	27	
PLASTICITY INDEX	-	08	-	16	-	09	
AASHTO SOIL	-	A-4(2)	-	A-6(9)	-	A-4(5)	
UNIFIED SOIL	-	-	-	-	-	-	
% MOISTURE CONTENT	-	-	-	-	-	-	

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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	- 11/22/13	SEQUENCE NO.	- 10
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY - ARKANSAS			
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY			

LAB NUMBER	- 20135286	- 20135287	- 20135288
SAMPLE ID	- S1949	- S1950	- S1951
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4492+00	- 4500+00	- 4508+00
LOCATION	- 10RT	- 30RT	- 40RT
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 35 7.90	- 33 35 13.10	- 33 35 18.40
LONGITUDE DEG-MIN-SEC	- 91 44 7.00	- 91 43 59.90	- 91 43 52.60
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 - 100	- 100	- 100
	NO. 10 - 98	- 99	- 99
	NO. 40 - 93	- 95	- 94
	NO. 80 - 84	- 82	- 85
	NO. 200 - 71	- 62	- 71
LIQUID LIMIT	- 26	- 24	- 28
PLASTICITY INDEX	- 10	- 08	- 10
AASHTO SOIL	- A-4(5)	- A-4(2)	- A-4(5)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.  
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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 \*\*\*

DATE - 11/22/13 SEQUENCE NO. - 11  
 JOB NUMBER - 020484 MATERIAL CODE - SS  
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
 PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 22  
 SUPPLIER NAME - STATE DISTRICT NO. - 02  
 NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)  
 PROJECT ENGINEER - NOT APPLICABLE  
 PIT/QUARRY - ARKANSAS  
 LOCATION - DREW COUNTY DATE SAMPLED - 11/12/13  
 SAMPLED BY - FAULKNER/BOUGHNER DATE RECEIVED - 11/14/13  
 SAMPLE FROM - TEST HOLE DATE TESTED - 11/21/13  
 MATERIAL DESC. - SOIL SURVEY

LAB NUMBER	-	20135289	-	20135290	-	20135291
SAMPLE ID	-	S1952	-	S1953	-	S1954
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	4516+00	-	4524+00	-	4532+00
LOCATION	-	60RT	-	45RT	-	65RT
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 35 23.90	-	33 35 29.20	-	33 35 35.30
LONGITUDE DEG-MIN-SEC	-	91 43 45.70	-	91 43 40.60	-	91 43 34.70
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-		-	
	NO. 4		-		-	100
	NO. 10	100	-	100	-	
	NO. 40	96	-	98	-	
	NO. 80	86	-	94	-	
	NO. 200	68	-	86	-	91
LIQUID LIMIT	-	21	-	27	-	28
PLASTICITY INDEX	-	04	-	10	-	10
AASHTO SOIL	-	A-4 (0)	-	A-4 (7)	-	A-4 (8)
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.



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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 11/22/13	SEQUENCE NO.	- 12
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY - ARKANSAS			
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY			

LAB NUMBER	- 20135292	- 20135293	- 20135294
SAMPLE ID	- S1955	- S1956	- S1957
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4540+00	- 4548+00	- 4556+00
LOCATION	- 60RT	- CL	- 20RT
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 35 42.50	- 33 35 49.10	- 33 35 55.40
LONGITUDE DEG-MIN-SEC	- 91 43 28.40	- 91 43 23.20	- 91 43 17.20
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 - 100	- 100	- 100
	NO. 10 - 98	- 99	- 99
	NO. 40 - 94	- 97	- 96
	NO. 80 - 87	- 93	- 91
	NO. 200 - 79	- 87	- 81
LIQUID LIMIT	- 26	- 28	- 31
PLASTICITY INDEX	- 11	- 10	- 12
AASHTO SOIL	- A-6 (6)	- A-4 (7)	- A-6 (8)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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	- 11/22/13	SEQUENCE NO.	- 13
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY	- ARKANSAS		
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY			

LAB NUMBER	- 20135295	- 20135296	- 20135297
SAMPLE ID	- S1958	- S1959	- S1960
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4564+00	- 4572+00	- 4580+00
LOCATION	- 25RT	- 30RT	- 25RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/GR	- GRAY	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 36 1.70	- 33 36 8.20	- 33 36 14.40
LONGITUDE DEG-MIN-SEC	- 91 43 11.30	- 91 43 5.70	- 91 43 .00
% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	-	-
	NO. 4 - 100	- 100	- 100
	NO. 10 - 97	- 99	- 99
	NO. 40 - 94	- 96	- 97
	NO. 80 - 89	- 90	- 92
	NO. 200 - 81	- 79	- 84
LIQUID LIMIT	- 26	- 24	- 29
PLASTICITY INDEX	- 08	- 06	- 11
AASHTO SOIL	- A-4 (5)	- A-4 (3)	- A-6 (8)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.  
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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 \*\*\*

DATE	- 11/22/13	SEQUENCE NO.	- 14
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY - ARKANSAS			
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY			

LAB NUMBER	- 20135298	- 20135299	- 20135300
SAMPLE ID	- S1961	- S1962	- S1963
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4588+00	- 4596+00	- 4604+00
LOCATION	- 25RT	- 30RT	- 30RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 36 20.70	- 33 36 27.10	- 33 36 33.60
LONGITUDE DEG-MIN-SEC	- 91 42 54.20	- 91 42 48.70	- 91 42 44.40
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 - 100	100	100
	NO. 10 - 99	99	99
	NO. 40 - 94	98	97
	NO. 80 - 85	94	93
	NO. 200 - 74	88	87
LIQUID LIMIT	- 27	- 29	- 29
PLASTICITY INDEX	- 11	- 12	- 12
AASHTO SOIL	- A-6(6)	- A-6(9)	- A-6(9)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 11/22/13 SEQUENCE NO. - 15  
JOB NUMBER - 020484 MATERIAL CODE - SS  
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2003  
PURPOSE - SOIL SURVEY SAMPLE SUPPLIER ID. - 1  
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 22  
SUPPLIER NAME - STATE DISTRICT NO. - 02  
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)  
PROJECT ENGINEER - NOT APPLICABLE  
PIT/QUARRY - ARKANSAS  
LOCATION - DREW COUNTY DATE SAMPLED - 11/12/13  
SAMPLED BY - FAULKNER/BOUGHNER DATE RECEIVED - 11/14/13  
SAMPLE FROM - TEST HOLE DATE TESTED - 11/21/13  
MATERIAL DESC. - SOIL SURVEY

LAB NUMBER	-	20135301	-	20135302	-	20135303
SAMPLE ID	-	S1964	-	S1965	-	S1966
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	4612+00	-	4620+00	-	4628+00
LOCATION	-	30RT	-	30RT	-	30RT
DEPTH IN FEET	-	0-5	-	0-5	-	0-5
MAT'L COLOR	-	BROWN	-	BR/GR	-	BR/GR
MAT'L TYPE	-	-	-	-	-	-
LATITUDE DEG-MIN-SEC	-	33 36 41.30	-	33 36 48.50	-	33 36 56.00
LONGITUDE DEG-MIN-SEC	-	91 42 40.60	-	91 42 37.30	-	91 42 33.80
% PASSING	2	IN.	-	-	-	-
	1 1/2	IN.	-	-	-	-
	3/4	IN.	-	-	-	-
	3/8	IN.	-	-	-	-
	NO. 4	-	100	-	-	100
	NO. 10	-	99	-	100	99
	NO. 40	-	93	-	93	92
	NO. 80	-	86	-	82	76
	NO. 200	-	78	-	71	66
LIQUID LIMIT	-	29	-	26	-	24
PLASTICITY INDEX	-	15	-	12	-	11
AASHTO SOIL	-	A-6(9)	-	A-6(6)	-	A-6(4)
UNIFIED SOIL	-	-	-	-	-	-
% MOISTURE CONTENT	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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	- 11/22/13	SEQUENCE NO.	- 16
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)			
PROJECT ENGINEER - NOT APPLICABLE			
PIT/QUARRY - ARKANSAS			
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC. - SOIL SURVEY			

LAB NUMBER	- 20135304	- 20135305	- 20135306
SAMPLE ID	- S1967	- S1968	- S1969
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4636+00	- 4644+00	- 4652+00
LOCATION	- 30RT	- 30RT	- 30RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BR/GR	- BR/GR	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 37 3.10	- 33 37 9.40	- 33 37 15.50
LONGITUDE DEG-MIN-SEC	- 91 42 29.50	- 91 42 24.20	- 91 42 17.70
% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	-	-
	100	-	100
NO. 4	- 99	- 100	- 99
NO. 10	- 97	- 99	- 98
NO. 40	- 89	- 77	- 95
NO. 80	- 73	- 64	- 88
NO. 200	- 57	- 55	- 79
LIQUID LIMIT	- 21	- 37	- 30
PLASTICITY INDEX	- 11	- 24	- 14
AASHTO SOIL	- A-6(3)	- A-6(9)	- A-6(9)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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 - 11/22/13	SEQUENCE NO. - 17
JOB NUMBER - 020484	MATERIAL CODE - SS
FEDERAL AID NO. - TO BE ASSIGNED	SPEC. YEAR - 2003
PURPOSE - SOIL SURVEY SAMPLE	SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK	COUNTY/STATE - 22
SUPPLIER NAME - STATE	DISTRICT NO. - 02
NAME OF PROJECT - HWY.425 - HWY.278 EAST (BS & SURF)	
PROJECT ENGINEER - NOT APPLICABLE	
PIT/QUARRY - ARKANSAS	
LOCATION - DREW COUNTY	DATE SAMPLED - 11/12/13
SAMPLED BY - FAULKNER/BOUGHNER	DATE RECEIVED - 11/14/13
SAMPLE FROM - TEST HOLE	DATE TESTED - 11/21/13
MATERIAL DESC. - SOIL SURVEY	

LAB NUMBER	- 20135307	- 20135308	- 20135309
SAMPLE ID	- S1970	- S1971	- S1972
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4660+00	- 4668+00	- 4676+00
LOCATION	- 30RT	- 30RT	- 30RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BR/GR	- BR/GR
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 37 20.90	- 33 37 28.10	- 33 37 35.20
LONGITUDE DEG-MIN-SEC	- 91 42 11.90	- 91 42 5.20	- 91 42 .30
% PASSING			
	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 - 100	-	100
	NO. 10 - 99	100	-
	NO. 40 - 95	99	-
	NO. 80 - 82	92	-
	NO. 200 - 72	84	92
LIQUID LIMIT	- 22	- 26	- 26
PLASTICITY INDEX	- 07	- 10	- 10
AASHTO SOIL	- A-4 (2)	- A-4 (6)	- A-4 (7)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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	- 11/22/13	SEQUENCE NO.	- 18
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT	- HWY.425 - HWY.278 EAST (BS & SURF)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC.	- SOIL SURVEY		

LAB NUMBER	- 20135310	- 20135311	- 20135312
SAMPLE ID	- S1973	- S1974	- S1975
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4684+00	- 4692+00	- 4700+00
LOCATION	- 30RT	- 30RT	- 25RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 37 41.20	- 33 37 47.90	- 33 37 55.10
LONGITUDE DEG-MIN-SEC	- 91 41 56.30	- 91 41 51.90	- 91 41 47.00
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 - 100	100	-
	NO. 10 -	99	100
	NO. 40 -	96	99
	NO. 80 -	93	95
	NO. 200 - 95	90	93
		87	87
LIQUID LIMIT	- 29	- 22	- 28
PLASTICITY INDEX	- 13	- 07	- 12
AASHTO SOIL	- A-6(11)	- A-4(4)	- A-6(9)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 11/22/13	SEQUENCE NO.	- 19
JOB NUMBER	- 020484	MATERIAL CODE	- SS
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2003
PURPOSE	- SOIL SURVEY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 22
SUPPLIER NAME	- STATE	DISTRICT NO.	- 02
NAME OF PROJECT	- HWY.425 - HWY.278 EAST (BS & SURF)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- DREW COUNTY	DATE SAMPLED	- 11/12/13
SAMPLED BY	- FAULKNER/BOUGHNER	DATE RECEIVED	- 11/14/13
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 11/21/13
MATERIAL DESC.	- SOIL SURVEY		

LAB NUMBER	- 20135313	- 20135314	- 20135315
SAMPLE ID	- S1976	- S1977	- S1978
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 4708+00	- 4716+00	- 4724+00
LOCATION	- 25RT	- 25RT	- 25RT
DEPTH IN FEET	- 0-5	- 0-5	- 0-5
MAT'L COLOR	- BROWN	- BROWN	- BROWN
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 33 38 2.00	- 33 38 9.00	- 33 38 16.10
LONGITUDE DEG-MIN-SEC	- 91 41 42.40	- 91 41 38.00	- 91 41 33.90
% PASSING	2 IN.	-	-
	1 1/2 IN.	-	-
	3/4 IN.	-	-
	3/8 IN.	-	-
	NO. 4	- 100	- 100
	NO. 10	-	-
	NO. 40	-	-
	NO. 80	-	-
	NO. 200	- 95	- 95
LIQUID LIMIT	- 37	- 33	- 39
PLASTICITY INDEX	- 20	- 16	- 22
AASHTO SOIL	- A-6(19)	- A-6(14)	- A-6(21)
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - LOCATIONS MEASURED FROM CENTERLINE OF CONST.  
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