

ARKANSAS DEPARTMENT OF TRANSPORTATION



**SUBSURFACE INVESTIGATION**

STATE JOB NO. BB0801

FEDERAL AID PROJECT NO. NHPP-40-2(80)46

HWY. 164 – HWY. 352 (S)

STATE HIGHWAY I-40 SECTION 21

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

January 23, 2019

TO: Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT: Job No. BB0801
Hwy. 164 – Hwy. 352 (S)
Route 40 Section 21
Johnson County

Attached is the requested pavement sounding data for the above referenced job. The project consists of rehabilitation approximately 6.9 miles of Interstate 40 between Highway 164 and Highway 352. Pavement cores were taken at 1/2 mile increments, alternating lanes in the East and Westbound direction. Sample locations are measured from the centerline of the existing lane and should be noted as such on the logs.

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

Table with 3 columns: Type, Asphalt Cement %, Mineral Aggregate %. Rows include Surface Course, Binder Course, and Base Course.

Handwritten signature of Michael C. Benson, Materials Engineer

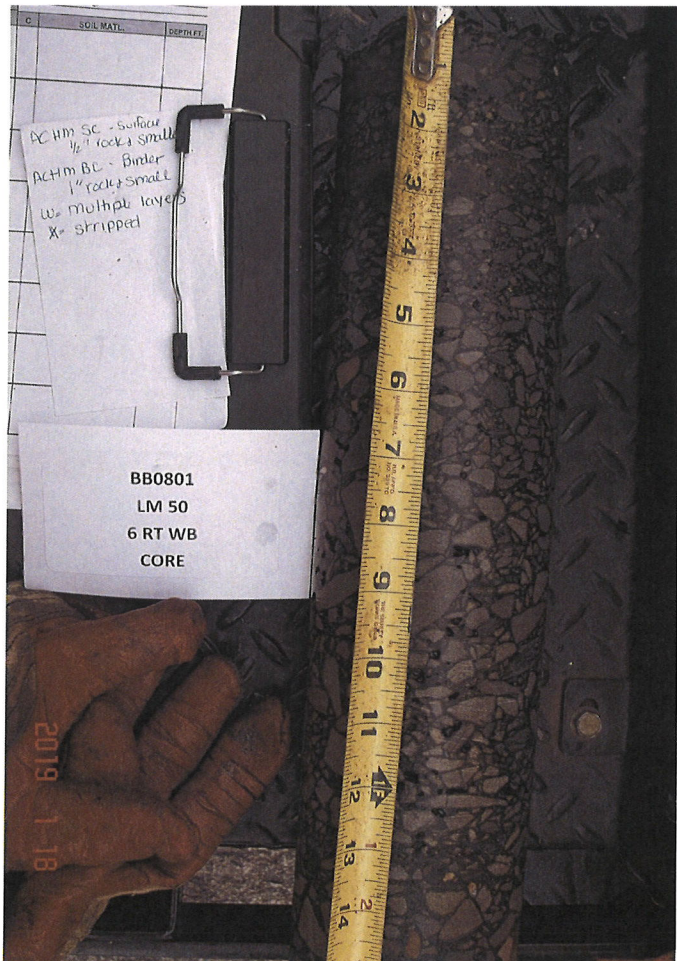
MCB:pt:bjj
Attachment

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 / PAVEMENT SOUNDING TEST REPORT \*\*\*

DATE	- 01/22/19	SEQUENCE NO.	- 1
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	-	20190124	-	20190125	-	20190126
SAMPLE ID	-		-		-	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	LM 46.57	-	LM 46.57	-	LM 47
LOCATION	-	6 LT EB	-	6 RT WB	-	6 LT WB
DEPTH IN FEET	-		-		-	
MAT'L COLOR	-		-		-	
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 29 50.00	-	35 29 51.20	-	35 29 52.30
LONGITUDE DEG-MIN-SEC	-	93 39 31.40	-	93 39 31.30	-	93 39 3.80
% PASSING	2	IN. -	-		-	
	1 1/2	IN. -	-		-	
	3/4	IN. -	-		-	
	3/8	IN. -	-		-	
	NO. 4	-	-		-	
	NO. 10	-	-		-	
	NO. 40	-	-		-	
	NO. 80	-	-		-	
	NO. 200	-	-		-	
LIQUID LIMIT	-		-		-	
PLASTICITY INDEX	-		-		-	
AASHTO SOIL	-		-		-	
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-		-		-	
ACHMSC	(IN) -	3.5W	-	3.5	-	4.0W
ACHMBC	(IN) -	13.75W	-	15.0W	-	8.0W
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/22/19	SEQUENCE NO.	- 2
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20190127	- 20190128	- 20190129
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- LM 47	- LM 47.5	- LM 47.5
LOCATION	- 6 RT EB	- 6 LT EB	- 6 LT WB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 51.10	- 35 29 52.10	- 35 29 53.10
LONGITUDE DEG-MIN-SEC	- 93 39 4.40	- 93 38 32.10	- 93 38 32.00
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 -	-	-
	NO. 10 -	-	-
	NO. 40 -	-	-
	NO. 80 -	-	-
	NO. 200 -	-	-
LIQUID LIMIT	-	-	-
PLASTICITY INDEX	-	-	-
AASHTO SOIL	-	-	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
ACHMSC	(IN) - 4.25	- 3.5	- 3.5W
ACHMBC	(IN) - 7.75	- 3.0	- 11.75W
ACHMBC	(IN) - ---	- 1.0X	- ---
ACHMBC	(IN) - ---	- 8.0W	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/22/19	SEQUENCE NO.	- 3
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	-	20190130	-	20190131	-	20190132
SAMPLE ID	-		-		-	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	LM 48	-	LM 48	-	LM 48.5
LOCATION	-	6 RT EB	-	6 RT WB	-	6 LT EB
DEPTH IN FEET	-		-		-	
MAT'L COLOR	-		-		-	
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 29 46.20	-	35 29 47.30	-	35 29 39.40
LONGITUDE DEG-MIN-SEC	-	93 38 1.00	-	93 38 .90	-	93 37 29.50
% PASSING	2	IN.	-		-	
	1 1/2	IN.	-		-	
	3/4	IN.	-		-	
	3/8	IN.	-		-	
	NO.	4	-		-	
	NO.	10	-		-	
	NO.	40	-		-	
	NO.	80	-		-	
	NO.	200	-		-	
LIQUID LIMIT	-		-		-	
PLASTICITY INDEX	-		-		-	
AASHTO SOIL	-		-		-	
UNIFIED SOIL	-		-		-	
% MOISTURE CONTENT	-		-		-	
ACHMSC	(IN)	4.0W	-	4.5W	-	4.5
ACHMBC	(IN)	12.0W	-	13.5W	-	9.75
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	
			-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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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	- 01/22/19	SEQUENCE NO.	- 4
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20190133	- 20190134	- 20190135
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- LM 48.5	- LM 49	- LM 49
LOCATION	- 6 LT WB	- 6 RT EB	- 6 RT WB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 40.60	- 35 29 35.20	- 35 29 36.30
LONGITUDE DEG-MIN-SEC	- 93 37 30.20	- 93 36 58.70	- 93 36 58.80
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 -	-	-
	NO. 10 -	-	-
	NO. 40 -	-	-
	NO. 80 -	-	-
	NO. 200 -	-	-
LIQUID LIMIT	-	-	-
PLASTICITY INDEX	-	-	-
AASHTO SOIL	-	-	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
ACHMSC	(IN) - 4.0W	- 5.0W	- 5.5W
ACHMBC	(IN) - 6.5W	- 2.5	- 12.0W
ACHMBC	(IN) - ---	- 1.0X	- ---
ACHMBC	(IN) - ---	- 3.0W	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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AASHTO TESTS : T24 T88 T89 T90 T265  
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MATERIALS DIVISION

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

DATE	- 01/22/19	SEQUENCE NO.	- 5
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20190136	- 20190137	- 20190138
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- LM 49.5	- LM 49.5	- LM 50
LOCATION	- 6 LT EB	- 6 LT WB	- 6 RT EB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 31.20	- 35 29 32.50	- 35 29 26.20
LONGITUDE DEG-MIN-SEC	- 93 36 27.20	- 93 36 29.00	- 93 35 56.00
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 -	-	-
	NO. 10 -	-	-
	NO. 40 -	-	-
	NO. 80 -	-	-
	NO. 200 -	-	-
LIQUID LIMIT	-	-	-
PLASTICITY INDEX	-	-	-
AASHTO SOIL	-	-	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
ACHMSC	(IN) - 1.25X	- 4.5W	- 4.0W
ACHMSC	(IN) - 2.0W	- ---	- ---
ACHMBC	(IN) - 10.5W	- 7.0W	- 7.0W
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/22/19	SEQUENCE NO.	- 6
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20190139	- 20190140	- 20190141
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- LM 50	- LM 50.5	- LM 50.5
LOCATION	- 6 RT WB	- 6 LT EB	- 6 LT WB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 27.60	- 35 29 13.20	- 35 29 14.60
LONGITUDE DEG-MIN-SEC	- 93 35 56.80	- 93 35 28.30	- 93 35 28.50
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	-	-
3/8 IN.	-	-	-
NO. 4	-	-	-
NO. 10	-	-	-
NO. 40	-	-	-
NO. 80	-	-	-
NO. 200	-	-	-
LIQUID LIMIT	-	-	-
PLASTICITY INDEX	-	-	-
AASHTO SOIL	-	-	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
ACHMSC (IN)	- 4.5	- 3.5	- 4.0W
ACHMBC (IN)	- 11.5	- 2.75X	- 6.0W
ACHMBC (IN)	- ---	- .75X	- ---
ACHMBC (IN)	- ---	- 7.0W	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/22/19	SEQUENCE NO.	- 7
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20190142	- 20190143	- 20190144
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- LM 51	- LM 51	- LM 51.5
LOCATION	- 6 RT EB	- 6 RT WB	- 6 LT EB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 29 1.50	- 35 29 3.00	- 35 28 56.70
LONGITUDE DEG-MIN-SEC	- 93 34 58.60	- 93 35 .10	- 93 34 28.40
% PASSING	2 IN. -	-	-
	1 1/2 IN. -	-	-
	3/4 IN. -	-	-
	3/8 IN. -	-	-
	NO. 4 -	-	-
	NO. 10 -	-	-
	NO. 40 -	-	-
	NO. 80 -	-	-
	NO. 200 -	-	-
LIQUID LIMIT	-	-	-
PLASTICITY INDEX	-	-	-
AASHTO SOIL	-	-	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
ACHMSC	(IN) - 5.25W	- 4.0W	- 3.25W
ACHMBC	(IN) - 9.0W	- 7.0W	- 4.0W
ACHMBC	(IN) - ---	- ---	- 1.75X
ACHMBC	(IN) - ---	- ---	- 3.5W
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.

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	- 01/22/19	SEQUENCE NO.	- 8
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20190145	- 20190146	- 20190147
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- LM 51.5	- LM 52	- LM 52
LOCATION	- 6 LT WB	- 6 RT EB	- 6 RT WB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 28 58.00	- 35 28 52.20	- 35 28 53.40
LONGITUDE DEG-MIN-SEC	- 93 34 29.10	- 93 33 56.80	- 93 33 57.40

% PASSING	2	IN.	-
	1 1/2	IN.	-
	3/4	IN.	-
	3/8	IN.	-
	NO. 4		-
	NO. 10		-
	NO. 40		-
	NO. 80		-
	NO. 200		-

LIQUID LIMIT -  
PLASTICITY INDEX -  
AASHTO SOIL -  
UNIFIED SOIL -  
% MOISTURE CONTENT -

ACHMSC	(IN) -	3.5W	-	2.0X	-	2.0X
ACHMBC	(IN) -	6.75W	-	---	-	---
ACHMSC	(IN) -	---	-	1.5	-	1.75
ACHMSC	(IN) -	---	-	7.0	-	8.5W
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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-  
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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	- 01/22/19	SEQUENCE NO.	- 9
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- JOHNSON COUNTY	DATE SAMPLED	- 01/17/19
SAMPLED BY	- DILLMAN, THORNTON	DATE RECEIVED	- 01/22/19
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 01/22/19
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20190148	- 20190149	- 20190150
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- LM 52.5	- LM 52.5	- LM 53
LOCATION	- 6 LT EB	- 6 LT WB	- 6 RT EB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 28 47.40	- 35 28 48.90	- 35 28 38.40
LONGITUDE DEG-MIN-SEC	- 93 33 23.80	- 93 33 26.00	- 93 32 53.20

% PASSING	2	IN.	-	-	-
	1 1/2	IN.	-	-	-
	3/4	IN.	-	-	-
	3/8	IN.	-	-	-
	NO. 4		-	-	-
	NO. 10		-	-	-
	NO. 40		-	-	-
	NO. 80		-	-	-
	NO. 200		-	-	-

LIQUID LIMIT	-	-	-
PLASTICITY INDEX	-	-	-
AASHTO SOIL	-	-	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-

ACHMSC	(IN)	- 4.25W	- 6.5	- 4.5W
ACHMBC	(IN)	- 10.0W	- 1.5	- 8.0W
ACHMBC	(IN)	- ---	- 0.75X	- ---
ACHMBC	(IN)	- ---	- 2.5	- ---
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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AASHTO TESTS : T24 T88 T89 T90 T265  
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MATERIALS DIVISION

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 01/22/19	SEQUENCE NO.	- 10
JOB NUMBER	- BB0801	MATERIAL CODE	- PSO
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	- HWY. 164 - HWY. 352 (S)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 01/17/19
LOCATION	- JOHNSON COUNTY	DATE RECEIVED	- 01/22/19
SAMPLED BY	- DILLMAN, THORNTON	DATE TESTED	- 01/22/19
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20190151	- 20190152	- 20190153
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- LM 53	- LM 53.2	- LM 53.5
LOCATION	- 6 RT WB	- 6 LT WB	- 6 LT EB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 28 40.90	- 35 28 24.50	- 35 28 26.50
LONGITUDE DEG-MIN-SEC	- 93 32 55.80	- 93 32 20.60	- 93 32 27.50
% PASSING			
2 IN.	-	-	-
1 1/2 IN.	-	-	-
3/4 IN.	-	-	-
3/8 IN.	-	-	-
NO. 4	-	-	-
NO. 10	-	-	-
NO. 40	-	-	-
NO. 80	-	-	-
NO. 200	-	-	-
LIQUID LIMIT	-	-	-
PLASTICITY INDEX	-	-	-
AASHTO SOIL	-	-	-
UNIFIED SOIL	-	-	-
% MOISTURE CONTENT	-	-	-
ACHMSC (IN)	- 6.0W	- 1.25X	- ---
ACHMBC (IN)	- 6.5W	- 3.0X	- ---
ACHMBC (IN)	- ---	- 3.0	- ---
PCCP (IN)	- ---	- ---	- 13.5
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED  
- LOCATIONS MEASURED FROM CENTER LINE OF EXISTING LANE.  
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AASHTO TESTS : T24 T88 T89 T90 T265  
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