

ARKANSAS DEPARTMENT OF TRANSPORTATION



SUBSURFACE INVESTIGATION

STATE JOB NO. BB0406

FEDERAL AID PROJECT NO. NHPP-5401(84)2

HWY. 271 – HWY. 64 (SEL. SECS.) (F)

STATE HIGHWAY 540 SECTION 1 & 2

IN SEBASTIAN & CRAWFORD 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

October 6, 2016

TO: Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT: Job No. BB0406
Hwy. 71 – Hwy. 22 (F)
Route 540 Section 1
Sebastian County

Transmitted herewith is the requested Pavement Sounding information for the above referenced job. The project consists of milling and overlaying the existing asphalt for approximately 4 miles of Interstate 540. Samples were obtained at quarter-mile increments in the outside wheel path of the existing travel lanes. Locations were measured from the centerline of both the northbound and southbound travel lanes and should be noted as such on the logs.

No major distresses were discovered that would sacrifice the integrity of the pavement structure. Minor stripping was observed in the top two inches of surface course at isolated locations, but should not cause instability for the overlay. It should be noted that PCCP was encountered at every location; however, it was not cored every time to help expedite the project and reduce cost. It is recommended that two inches of existing asphalt be milled in order to restore the desired cross section before paving.

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

1. Asphalt Concrete Hot Mix

Type	PG 64-22	
	Asphalt Cement %	Mineral Aggregate %
Surface Course	5.4	94.6
Binder Course	4.5	95.5
Base Course	4.2	95.8

Type	PG 70-22	
	Asphalt Cement %	Mineral Aggregate %
Surface Course	5.5	94.5
Binder Course	4.5	95.5
Base Course	4.2	95.8


Michael C. Benson
Materials Engineer

MCB:rpt:mlg
Attachment

cc: State Constr. Eng. – Master File Copy
District 4 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 - 10/06/16 SEQUENCE NO. - 1
JOB NUMBER - BB0406 MATERIAL CODE - PSO
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - INFORMATION ONLY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 65
SUPPLIER NAME - STATE DISTRICT NO. - 04
NAME OF PROJECT - HWY.71 - HWY.22 (F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - SEBASTIAN, COUNTY DATE SAMPLED - 09/26/16
SAMPLED BY - THORNTON DATE RECEIVED - 10/05/16
SAMPLE FROM - TEST HOLE DATE TESTED - 10/05/16
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

LAB NUMBER	20163259	20163260	20163261
SAMPLE ID	-	-	-
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	145+00	145+00	158+00
LOCATION	6'LT CL SB	6'RT CL NB	6'LT CL SB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	35 18 56.90	35 18 51.90	35 19 4.10
LONGITUDE DEG-MIN-SEC	94 23 49.50	94 23 51.10	94 23 46.40
% 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)	2.5	2.0	7.0W
PCCP (IN)	---	9.0	---

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/06/16 SEQUENCE NO. - 2
 JOB NUMBER - BB0406 MATERIAL CODE - PSO
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
 PURPOSE - INFORMATION ONLY SAMPLE SUPPLIER ID. - 1
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 65
 SUPPLIER NAME - STATE DISTRICT NO. - 04
 NAME OF PROJECT - HWY.71 - HWY.22 (F)
 PROJECT ENGINEER - NOT APPLICABLE
 PIT/QUARRY - ARKANSAS
 LOCATION - SEBASTIAN, COUNTY DATE SAMPLED - 09/26/16
 SAMPLED BY - THORNTON DATE RECEIVED - 10/05/16
 SAMPLE FROM - TEST HOLE DATE TESTED - 10/05/16
 MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

LAB NUMBER	20163262	20163263	20163264
SAMPLE ID	-	-	-
TEST STATUS	INFORMATION ONLY	INFORMATION ONLY	INFORMATION ONLY
STATION	158+00	171+00	171+00
LOCATION	6'RT CL NB	6'LT CL SB	6'RT CL NB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	35 19 9.40	35 19 22.40	35 19 16.70
LONGITUDE DEG-MIN-SEC	94 23 45.90	94 23 44.30	94 23 44.10
% 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)	8.0WX	8.0	9.0WX
PCCP (IN)	9.5	-	9.75
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 10/06/16	SEQUENCE NO.	- 3
JOB NUMBER	- BB0406	MATERIAL CODE	- PSO
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- INFORMATION ONLY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 65
SUPPLIER NAME	- STATE	DISTRICT NO.	- 04
NAME OF PROJECT	- HWY.71 - HWY.22 (F)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SEBASTIAN, COUNTY	DATE SAMPLED	- 09/26/16
SAMPLED BY	- THORNTON	DATE RECEIVED	- 10/05/16
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 10/05/16
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20163265	- 20163266	- 20163267
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 184+00	- 184+00	- 195+00
LOCATION	- 6'LT CL SB	- 6'RT CL NB	- 6'LT CL SB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 19 34.40	- 35 19 35.60	- 35 19 45.50
LONGITUDE DEG-MIN-SEC	- 94 23 42.10	- 94 23 42.10	- 94 23 41.10
% 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) - 2.5	- 7.0WX	- 7.5
PCCP	(IN) - ---	- 10.0	- ---
CHIP SEAL	(IN) - 1.0	- ---	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 10/06/16	SEQUENCE NO.	- 4
JOB NUMBER	- BB0406	MATERIAL CODE	- PSO
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- INFORMATION ONLY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 65
SUPPLIER NAME	- STATE	DISTRICT NO.	- 04
NAME OF PROJECT	- HWY.71 - HWY.22 (F)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SEBASTIAN, COUNTY	DATE SAMPLED	- 09/26/16
SAMPLED BY	- THORNTON	DATE RECEIVED	- 10/05/16
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 10/05/16
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20163268	- 20163269	- 20163270
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 195+00	- 208+00	- 208+00
LOCATION	- 6'RT CL NB	- 6'LT CL SB	- 6'RT CL NB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 19 46.20	- 35 19 57.00	- 35 19 58.30
LONGITUDE DEG-MIN-SEC	- 94 23 40.20	- 94 23 39.10	- 94 23 39.10
% 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) - 5.5W	- 8.0W	- 3.0
PCCP	(IN) - 9.75	- ---	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	-	10/06/16	SEQUENCE NO.	-	5
JOB NUMBER	-	BB0406	MATERIAL CODE	-	PSO
FEDERAL AID NO.	-	TO BE ASSIGNED	SPEC. YEAR	-	2014
PURPOSE	-	INFORMATION ONLY SAMPLE	SUPPLIER ID.	-	1
SPEC. REMARKS	-	NO SPECIFICATION CHECK	COUNTY/STATE	-	65
SUPPLIER NAME	-	STATE	DISTRICT NO.	-	04
NAME OF PROJECT	-	HWY.71 - HWY.22 (F)			
PROJECT ENGINEER	-	NOT APPLICABLE			
PIT/QUARRY	-	ARKANSAS			
LOCATION	-	SEBASTIAN, COUNTY	DATE SAMPLED	-	09/26/16
SAMPLED BY	-	THORNTON	DATE RECEIVED	-	10/05/16
SAMPLE FROM	-	TEST HOLE	DATE TESTED	-	10/05/16
MATERIAL DESC.	-	PAVEMENT SOUNDINGS ONLY			

LAB NUMBER	-	20163271	-	20163272	-	20163273
SAMPLE ID	-		-		-	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	221+00	-	221+00	-	234+00
LOCATION	-	6'LT CL SB	-	6'RT CL NB	-	6'LT CL SB
DEPTH IN FEET	-		-		-	
MAT'L COLOR	-		-		-	
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 20 9.90	-	35 20 9.00	-	35 20 15.90
LONGITUDE DEG-MIN-SEC	-	94 23 33.70	-	94 23 33.70	-	94 23 20.80
% 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)	-	12.0W	-	8.0WX	-	7.0W
PCCP (IN)	-	---	-	9.5	-	---
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 10/06/16	SEQUENCE NO.	- 6
JOB NUMBER	- BB0406	MATERIAL CODE	- PSO
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- INFORMATION ONLY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 65
SUPPLIER NAME	- STATE	DISTRICT NO.	- 04
NAME OF PROJECT	- HWY.71 - HWY.22 (F)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SEBASTIAN, COUNTY	DATE SAMPLED	- 09/26/16
SAMPLED BY	- THORNTON	DATE RECEIVED	- 10/05/16
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 10/05/16
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20163274	- 20163275	- 20163276
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 234+00	- 247+00	- 247+00
LOCATION	- 6'RT CL NB	- 6'LT CL SB	- 6'RT CL NB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 20 16.20	- 35 20 20.60	- 35 20 19.80
LONGITUDE DEG-MIN-SEC	- 94 23 20.30	- 94 23 5.50	- 94 23 5.70
% 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	- 3.5W
PCCP	(IN) - 9.0	- ---	- 9.5
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 10/06/16	SEQUENCE NO.	- 7
JOB NUMBER	- BB0406	MATERIAL CODE	- PSO
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- INFORMATION ONLY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 65
SUPPLIER NAME	- STATE	DISTRICT NO.	- 04
NAME OF PROJECT	- HWY.71 - HWY.22 (F)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS	DATE SAMPLED	- 09/26/16
LOCATION	- SEBASTIAN, COUNTY	DATE RECEIVED	- 10/05/16
SAMPLED BY	- THORNTON	DATE TESTED	- 10/05/16
SAMPLE FROM	- TEST HOLE		
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	-	20163277	-	20163278	-	20163279
SAMPLE ID	-		-		-	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	-	INFORMATION ONLY
STATION	-	260+00	-	260+00	-	273+00
LOCATION	-	6'LT CL SB	-	6'RT CL NB	-	6'LT CL SB
DEPTH IN FEET	-		-		-	
MAT'L COLOR	-		-		-	
MAT'L TYPE	-		-		-	
LATITUDE DEG-MIN-SEC	-	35 20 24.70	-	35 20 25.00	-	35 20 32.40
LONGITUDE DEG-MIN-SEC	-	94 22 51.20	-	94 22 50.80	-	94 22 37.80
% 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)	6.5	-	8.0W	-	6.5W

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

AASHTO TESTS : T24 T88 T89 T90 T265

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 10/06/16	SEQUENCE NO.	- 8
JOB NUMBER	- BB0406	MATERIAL CODE	- PSO
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- INFORMATION ONLY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 65
SUPPLIER NAME	- STATE	DISTRICT NO.	- 04
NAME OF PROJECT	- HWY.71 - HWY.22 (F)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SEBASTIAN, COUNTY	DATE SAMPLED	- 09/26/16
SAMPLED BY	- THORNTON	DATE RECEIVED	- 10/05/16
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 10/05/16
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20163280	- 20163281	- 20163282
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 273+00	- 283+00	- 283+00
LOCATION	- 6'RT CL NB	- 6'LT CL SB	- 6'RT CL NB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 20 31.40	- 35 20 38.00	- 35 20 38.60
LONGITUDE DEG-MIN-SEC	- 94 22 38.00	- 94 22 29.10	- 94 22 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)	- 8.0WX	- 7.5W	- 8.5WX
PCCP (IN)	- 10.0	- ---	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/06/16 SEQUENCE NO. - 9
JOB NUMBER - BB0406 MATERIAL CODE - PSO
FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
PURPOSE - INFORMATION ONLY SAMPLE SUPPLIER ID. - 1
SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 65
SUPPLIER NAME - STATE DISTRICT NO. - 04
NAME OF PROJECT - HWY.71 - HWY.22 (F)
PROJECT ENGINEER - NOT APPLICABLE
PIT/QUARRY - ARKANSAS
LOCATION - SEBASTIAN, COUNTY DATE SAMPLED - 09/26/16
SAMPLED BY - THORNTON DATE RECEIVED - 10/05/16
SAMPLE FROM - TEST HOLE DATE TESTED - 10/05/16
MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

LAB NUMBER	20163283	20163284	20163285
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 296+00	- 296+00	- 309+00
LOCATION	- 6'LT CL SB	- 6'RT CL NB	- 6'LT CL SB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 20 47.20	- 35 20 46.20	- 35 20 55.30
LONGITUDE DEG-MIN-SEC	- 94 22 16.80	- 94 22 17.00	- 94 22 4.70
% 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)	- 7.0W	- 9.0WX	- 4.5W
PCCP (IN)	- ---	- 10.0	- ---
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/06/16 SEQUENCE NO. - 10
 JOB NUMBER - BB0406 MATERIAL CODE - PSO
 FEDERAL AID NO. - TO BE ASSIGNED SPEC. YEAR - 2014
 PURPOSE - INFORMATION ONLY SAMPLE SUPPLIER ID. - 1
 SPEC. REMARKS - NO SPECIFICATION CHECK COUNTY/STATE - 65
 SUPPLIER NAME - STATE DISTRICT NO. - 04
 NAME OF PROJECT - HWY.71 - HWY.22 (F)
 PROJECT ENGINEER - NOT APPLICABLE
 PIT/QUARRY - ARKANSAS
 LOCATION - SEBASTIAN, COUNTY DATE SAMPLED - 09/26/16
 SAMPLED BY - THORNTON DATE RECEIVED - 10/05/16
 SAMPLE FROM - TEST HOLE DATE TESTED - 10/05/16
 MATERIAL DESC. - PAVEMENT SOUNDINGS ONLY

LAB NUMBER	20163286	20163287	20163288
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 309+00	- 322+00	- 322+00
LOCATION	- 6'RT CL NB	- 6'LT CL SB	- 6'RT CL NB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 20 55.50	- 35 21 6.60	- 35 21 5.90
LONGITUDE DEG-MIN-SEC	- 94 22 4.80	- 94 21 56.70	- 94 21 56.20
% 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)	- 12.0W	- 4.5X	- 10.5X
PCCP (IN)	- ---	- ---	- 9.5
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	- 10/06/16	SEQUENCE NO.	- 11
JOB NUMBER	- BB0406	MATERIAL CODE	- PSO
FEDERAL AID NO.	- TO BE ASSIGNED	SPEC. YEAR	- 2014
PURPOSE	- INFORMATION ONLY SAMPLE	SUPPLIER ID.	- 1
SPEC. REMARKS	- NO SPECIFICATION CHECK	COUNTY/STATE	- 65
SUPPLIER NAME	- STATE	DISTRICT NO.	- 04
NAME OF PROJECT	- HWY.71 - HWY.22 (F)		
PROJECT ENGINEER	- NOT APPLICABLE		
PIT/QUARRY	- ARKANSAS		
LOCATION	- SEBASTIAN, COUNTY	DATE SAMPLED	- 09/26/16
SAMPLED BY	- THORNTON	DATE RECEIVED	- 10/05/16
SAMPLE FROM	- TEST HOLE	DATE TESTED	- 10/05/16
MATERIAL DESC.	- PAVEMENT SOUNDINGS ONLY		

LAB NUMBER	- 20163289	- 20163290	- 20163291
SAMPLE ID	-	-	-
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY	- INFORMATION ONLY
STATION	- 391+00	- 391+00	- 404+00
LOCATION	- 6'LT CL SB	- 6'RT CL NB	- 6'LT CL SB
DEPTH IN FEET	-	-	-
MAT'L COLOR	-	-	-
MAT'L TYPE	-	-	-
LATITUDE DEG-MIN-SEC	- 35 21 28.40	- 35 21 29.10	- 35 21 41.90
LONGITUDE DEG-MIN-SEC	- 94 21 53.80	- 94 21 54.50	- 94 21 54.40
% 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) - 4.5W	- 6.5W	- 5.0W
ACHMBC	(IN) - 8.0WX	- 7.0WX	- 9.0W
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
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	-	-	-

REMARKS - W=MULTIPLE LAYERS, X=STRIPPED

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

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE	-	10/06/16	SEQUENCE NO.	-	12
JOB NUMBER	-	BB0406	MATERIAL CODE	-	PSO
FEDERAL AID NO.	-	TO BE ASSIGNED	SPEC. YEAR	-	2014
PURPOSE	-	INFORMATION ONLY SAMPLE	SUPPLIER ID.	-	1
SPEC. REMARKS	-	NO SPECIFICATION CHECK	COUNTY/STATE	-	65
SUPPLIER NAME	-	STATE	DISTRICT NO.	-	04
NAME OF PROJECT - HWY.71 - HWY.22 (F)					
PROJECT ENGINEER - NOT APPLICABLE					
PIT/QUARRY	-	ARKANSAS	DATE SAMPLED	-	09/26/16
LOCATION	-	SEBASTIAN, COUNTY	DATE RECEIVED	-	10/05/16
SAMPLED BY	-	THORNTON	DATE TESTED	-	10/05/16
SAMPLE FROM	-	TEST HOLE			
MATERIAL DESC.	-	PAVEMENT SOUNDINGS ONLY			
LAB NUMBER	-	20163292			
SAMPLE ID	-				
TEST STATUS	-	INFORMATION ONLY			
STATION	-	404+00			
LOCATION	-	6'RT CL NB			
DEPTH IN FEET	-				
MAT'L COLOR	-				
MAT'L TYPE	-				
LATITUDE DEG-MIN-SEC	-	35 21 41.30			
LONGITUDE DEG-MIN-SEC	-	94 21 53.10			
% 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)	4.5W			
ACHMBC	(IN)	6.0			

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