ARKANSAS DEPARTMENT OF TRANSPORTATION



SUBSURFACE INVESTIGATION

IN	CON	WAY & FAULKNER		COUNTY
STATE HIGHWAY	I-40	SECTION	31 & 32	
	НМ	/Y. 65 - WEST (S)		
FEDERAL AID PROJE	CT NO. NI	HPP-40-3(137)11		
		000002		
STATE JOB NO.		080662		

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 20, 2015

TO: Mr. Michael Kelly, Division Head – System Information and Research

SUBJECT: Pavement Soundings

BB0808

Hwy. 65 - West (F)

Route 40 Sections 31 & 32 Conway and Faulkner Counties

Attached is the pavement sounding information conducted for the above mention job requested by your office. Samples were taken at ¼ mile increments in the Outside Wheel Path of the existing travel lanes between log miles 119.0 to 125.1. Stations are noted as log miles and indicate East and West bound travel lanes.

MCB:bj

G.C. File

Michael C. Benson
Materials Engineer

Arkansas State Highway Transporation Department

Materials Division

JOB NAME: HIGHWAY 65-WEST (F)

COUNTY NO. 76

BB0808

JOB:

DATE TESTED

10/14/2015

Michael Benson, Materials Engineer

PAVEMENT SOUNDINGS ACHMBC ACHIMBC ACHIMBC ACHMBC ACHIMBC ACHIMBC ACHIMBC ACHIMBC ACHIMBC ACHIMBC ACHIMBC ACHMBC ACHMBC ACHMBC ACHMBC ACHMBC ACHMBC 10.75W 6.75W 10.5W 11.5W 11.0W 12.0W 10.5W 10.0W 9.0W W0.6 8.0W 8.0W 6.0W 8.5W 8.0W 8.5W 9.5W ACHMSC ACHMSC ACHMSC ACHIMSC ACHIMSC ACHMSC ACHMSC ACHMSC ACHIMSC ACHIMSC ACHIMSC ACHIMSC ACHIMSC ACHMSC ACHIMSC ACHIMSC ACHIMSC 3.75W 4.75W 3.75W 3.75W 4.0W 4.0W 4.0W 4.25W 4.0W 4.0W 3.5W 4.0W 7.5W 4.0W 4.5W 4.0W 4.0W ROWP 121.0 EB ROWP 119.00 E ROWP 120.0 EB ROWP 120.50 E ROWP 119.00 W LOWP 119.50 W LOWP 120.00 W LOWP 120.50 W LOWP 121.00 W LOWP 120.75 W RIWP LIWP 119.25 W RIWP 119.75 W RIWP LIWP 121.25 E LIWP 119.75 E LIWP STA.# LOC. 119.25 E 120.75 E 119.50 E

W=MULTIPLE LAYERS comments:

Monday, October 19, 2015

NGS
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NOOS
OSL
EMEN
PAI

STA.# LOC.

																																			Monday, October 19, 2015
ACHMBC	10.25W	ACHMBC 10.0W	ACHMBC 2.5W	ACHMBC 9.25W	ACHMBC	10.5W	ACHMBC	9.25W	ACHMBC	7.5W	ACHMBC	10.25W	ACHMBC	10.5W	ACHIMBC	9.5W	ACHIMBC	5.0W	ACHMBC	11.5W	ACHMBC	9.5W	ACHMBC	9.0W	ACHMBC	6.0W	ACHMBC	10.0W	ACHMBC	10.0W	ACHIMBC	10.0W	ACHIMBC	10.0W	ERS
ACHIMSC	3.25W	ACHMSC 4.5W	ACHIMSC 4.25W	ACHIMSC	ACHIMSC	3.5W	ACHIMSC	5.0W	ACHMSC	4.0W	ACHMSC	4.5W	ACHIMSC	3.5W	ACHMSC	4.75W	ACHMSC	6.5W	ACHIMSC	3.75W	ACHMSC	4.0W	ACHMSC	4.25W	ACHMSC	7.0W	ACHMSC	3.75W	ACHMSC	4.25W	ACHMSC	4.0W	ACHMSC	3.75W	W=MULTIPLE LAYERS
RIMP		ROWP	LOWP	LIMP	RIWP		ROWP		LOWP		LIWP		RIWP		ROWP		LOWP		LIMP		RIWP		ROWP		LOWP		LIWP		RIWP		ROWP		LIWP		
121.25 W RIWP		121.50 E	121.50 W	121,75 E	121.75 W RIWP		122.00 E		122.00 W LOWP		122.25 E		122.25 W		122.50 E		122.50 W LOWP		122.75 E		122.75 W RIWP		123.00 E		123.00 W LOWP		123.25 E		123.25 W		123,50 E		123.75 E		comments:

Page 2 of 3

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PAVEMENT SOUNDINGS								
	ACHMBC 10.5W	ACHMBC 12.0W	ACHMBC 13.0W	ACHMBC 14.0W	ACHMBC 14.5W	ACHMBC 10.5W	ACHMBC 5.5W	ACHMBC 13.0W
	ACHIMSC 3.5W	ACHIMSC 3.75W	ACHIMSC 6.0W	ACHMSC 4.5W	ACHMSC 4.5W	ACHMSC 3.5W	ACHIMSC 7.0W	ACHMSC 4.25W
TOC.	RIWP	LIWP	RIWP	124.50 E ROWP	124.50 W LOWP	LIWP	RIWP	ROWP
STA.# LOC.	123.75 W RIWP	124.25 E LIWP	124.25 W RIWP	124.50 E	124.50 W	124.75 E LIWP	124.75 W RIWP	125.00 E

Page 3 of 3

MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT ***

	DOIL	BORVET / THVERIENT		ONDING IDDI	KHI OKI	
DATE - 10/ JOB NUMBER - BB0 FEDERAL AID NO - TO PURPOSE - SOI SPEC. REMARKS - NO SUPPLIER NAME - COU NAME OF PROJECT - H PROJECT ENGINEER - N PIT/QUARRY - ARKAN	808 BE ASSI L SURVE SPECIFI NTIES IGHWAY OT APPI SAS	Y SAMPLE CATION CHECK 65-WEST (F) ICABLE			MATERIAL SPEC. YEA SUPPLIER COUNTY/ST	NO. = 1 CODE = PSO AR = 2014 ID. = 1 PATE = 76 NO. = XX
LOCATION - MULTI		NTIES			DATE SAM	
SAMPLED BY - T.FRAZ	IER				DATE RECI	EIVED - 10/12/15
SAMPLE FROM - TEST	HOLE				DATE TEST	ΓED = 10/14/15
MATERIAL DESC PAV	EMENT S	SOUNDINGS ONLY				
LAB NUMBER	-	20153210	-	20153211	=	20153212
SAMPLE ID	_		-			T17001/207017 01717
	-	INFORMATION ONLY	_	INFORMATIO	N ONLY -	INFORMATION ONLY
STATION	-	119.00 EB	_	119.00 WB	_	119.25 EB
LOCATION	-	ROWP	_	LOWP	_	LIWP
DEPTH IN FEET	-		_		ž.	
MAT'L COLOR MAT'L TYPE	-		-		2	
LATITUDE DEG-MIN-	SEC -	35 8 33.70	_	35 08 3	34.60 -	35 8 27.00
LONGITUDE DEG-MIN-	SEC -	92 31 52.60			51.80	92 31 39.10
1 1/2 3/4 3/8 NO. NO.	IN IN IN IN 10 - 40 -				12 12 13 12 14 15 15	
NO.			_		1/2	
NO.	200 -					
LIQUID LIMIT	_		-		-	
PLASTICITY INDEX	_		-		=	
AASHTO SOIL	_				25	
UNIFIED SOIL	_		${\bf \Xi}'$		-	
% MOISTURE CONTENT	_		-		=	
* MOIBIOKE CONTENT	_					
ACHMSC	(IN) -	4.0W	-	3.75W	-	4.0W
ACHMBC	(IN) -	8.5W	-	8.0W	-	10.5W
	-		-		-	
	_		-		-	
	_		_		_	
	_		_		_	
			_		-	
	-		-		-	
	-		-		-	

REMARKS - W=MULTIPLE LAYERS

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AASHTO TESTS : T24 T88 T89 T90 T265

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MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT ***

DATE - 10/13/15 JOB NUMBER - BB0808 FEDERAL AID NO TO BE ASSIGNED PURPOSE - SOIL SURVEY SAMPLE SPEC. REMARKS - NO SPECIFICATION CHECK SUPPLIER NAME - COUNTIES NAME OF PROJECT - HIGHWAY 65-WEST (F) PROJECT ENGINEER - NOT APPLICABLE PIT/QUARRY - ARKANSAS LOCATION - MULTIPLE COUNTIES SAMPLED BY - T.FRAZIER SAMPLE FROM - TEST HOLE MATERIAL DESC PAVEMENT SOUNDINGS ONLY	SEQUENCE NO 2 MATERIAL CODE - PSO SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 76 DISTRICT NO XX DATE SAMPLED - 10/06/15 DATE RECEIVED - 10/12/15 DATE TESTED - 10/12/15
LAB NUMBER - 20153213	= 20153214
SAMPLE ID -	#
TEST STATUS - INFORMATION ONLY	- INFORMATION ONLY - INFORMATION ONLY
STATION - 119.25 WB	- 119.50 EB - 119.50 WB
LOCATION - RIWP	ROWP LOWP
DEPTH IN FEET - MAT'L COLOR -	∺
MAT'L TYPE -	
LATITUDE DEG-MIN-SEC - 35 8 27.40	- 35 08 19.70 - 35 8 20.50
LONGITUDE DEG-MIN-SEC - 92 31 38.40	92 31 26.00 92 31 24.90
% PASSING 2 IN	· · · · · · · · · · · · · · · · · · ·
1 1/2 IN	= (2
3/4 IN	25. 35.
3/8 IN	- Al - 12 - 22 - 12
NO. 4 -	
NO. 10 - NO. 40 -	E 38
NO. 80 -	제 교
NO. 200 =	
LIQUID LIMIT	
PLASTICITY INDEX	
AASHTO SOIL -	· · · · · · · · · · · · · · · · · · ·
UNIFIED SOIL	ā.
% MOISTURE CONTENT	-
ACHMSC (IN) - 4.0W	- 3.75W - 4.0W
ACHMBC (IN) = 10.0W	9.0W - 9.0W
=	-
-	* -
	a -
<u> </u>	-

REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT ***

	. DOIL	BOKVET / I	AVENENI L	300	ONDING IESI	REFORT			
DATE - 10/ JOB NUMBER - BB0 FEDERAL AID NO TO : PURPOSE - SOI: SPEC. REMARKS - NO SUPPLIER NAME - COU: NAME OF PROJECT - H PROJECT ENGINEER - N PIT/QUARRY - ARKAN LOCATION - MULTI	808 BE ASSI L SURVE SPECIFI NTIES IGHWAY OT APPI SAS	Y SAMPLE CATION CHI 65-WEST (I				SEQUENCE MATERIAL SPEC. YES SUPPLIER COUNTY/S DISTRICT	CODE - AR - ID IATE - NO	PS-20:- 1 76-XX	14
LOCATION - MULTI SAMPLED BY - T.FRAZ		MITED				DATE SAM			
SAMPLE FROM - TEST MATERIAL DESC PAV	HOLE	SOUNDINGS	ONLY			DATE TES			/12/15
LAB NUMBER	-	20153216		=	20153217	-	20153	218	
SAMPLE ID	-			•		-			
TEST STATUS STATION		119.75 EE			INFORMATIC		120.0		ON ONLY
LOCATION		LIWP		-	RIWP	-	ROWP	1111	
DEPTH IN FEET	-			*		-			
MAT'L COLOR	-			-		_			
MAT'L TYPE	- GEG	25 0	11.10	-	35 08 :	- 11.40 -	35	8	.50
LATITUDE DEG-MIN- LONGITUDE DEG-MIN-			14.00	-		13.40	92		4.20
3/4 3/8 NO. NO.	40 - 80 -								
LIQUID LIMIT	_				5				
PLASTICITY INDEX	_			_		2			
AASHTO SOIL	-			-		2			
UNIFIED SOIL	-			_		-			
% MOISTURE CONTENT	-								
ACHMSC	(IN) -	4.0W		5.5	3.5W	-	4.0		
ACHMBC	(IN) -	11.0W		2	12.0W	_	8.0) W	
	-			-		-			
	_					_			
	_			-		_			
	-			-		-			
	-			-		-			

REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/13/1 JOB NUMBER - BB0808 FEDERAL AID NO TO BE A PURPOSE - SOIL SU SPEC. REMARKS - NO SPEC SUPPLIER NAME - COUNTIE NAME OF PROJECT - HIGHW PROJECT ENGINEER - NOT A PIT/QUARRY - ARKANSAS LOCATION - MULTIPLE SAMPLED BY - T.FRAZIER SAMPLE FROM - TEST HOLE MATERIAL DESC PAVEMEN	SSIG RVEY IFIC S AY 6 APLI COUN	SAMPLE ATION CI 5-WEST CABLE TIES	HECK			SEQUENCE NO 4 MATERIAL CODE - PSO SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 76 DISTRICT NO XX DATE SAMPLED - 10/06/15 DATE RECEIVED - 10/12/15 DATE TESTED - 10/12/15
LAB NUMBER	_	20153219	9		_	20153220 = 20153221
SAMPLE ID		2013321.			_	20133221
TEST STATUS	_	INFORMA:	TION	1 ONLY	-	INFORMATION ONLY - INFORMATION ONLY
STATION	-	120.00 V	WВ		-	120.50 WB - 120.50 EB
LOCATION	- :	LOWP			_	LOWP ROWP
DEPTH IN FEET	-				_	_
MAT'L COLOR	-				-	-
MAT'L TYPE LATITUDE DEG-MIN-SEC	_	35 8	ρ.	1 20	-	35 07 41.70 = 35 7 39.90
LONGITUDE DEG-MIN-SEC		92 33		3.10	_	92 30 44.70 92 30 44.70
% PASSING 2 IN. 1 1/2 IN.					-	- -
3/4 IN.					_	-
3/4 IN.					-	-
NO. 4	_				-	-
NO. 10	_				_	- -
NO. 40	-				_	-
NO. 80	-					-
NO. 200	-					
LIQUID LIMIT	-				-	2
PLASTICITY INDEX	-					¥
AASHTO SOIL	-				_	-
UNIFIED SOIL	-				-	<u> </u>
% MOISTURE CONTENT	_					
ACHMSC (IN		7.5W			===	3.75W - 4.0W
ACHMBC (IN) -	6.0W			-	6.75W = 10.5W
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	-				77	***

REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT ***

	. BOIL B	OKVEI / E	AARITIAI	50	ONDING INDI	REFORT			
JOB NUMBER - BBC FEDERAL AID NO TO	BE ASSIGNATION OF THE STREET O	SAMPLE ATION CHE 5-WEST (F				SEQUENCE MATERIAL SPEC. YE SUPPLIES COUNTY/S DISTRICE	CODE EAR ID.	- PS0 - 201 - 1 - 76	
LOCATION - MULTI SAMPLED BY - T.FRAY SAMPLE FROM - TEST MATERIAL DESC PA	HOLE		ONLY			DATE SA DATE RE DATE TE	CEIVED	- 10	/12/15
LAB NUMBER		20153222		=	20153223	-	20153	3224	
SAMPLE ID	_ ^	10130222		-					
TEST STATUS STATION LOCATION DEPTH IN FEET	- :	INFORMATI 120.75 EE LIWP			INFORMATIC 120.75 WB RIWP		- INFOR 121.0 ROWP		ON ONLY
MAT'L COLOR	_			-			-		
MAT'L TYPE LATITUDE DEG-MIN-	- -SEC -	35 7		*	35 07				24.60
LONGITUDE DEG-MIN-	-SEC -	92 30	33.30		92 30	33.80	92	30	20.50
3/4 3/8 NO. NO.						14 15 14 15 16 16 17 18 18			
LIQUID LIMIT	-			-					
PLASTICITY INDEX	-			=			2		
AASHTO SOIL	-			-			-		
UNIFIED SOIL	-			-		,	-		
% MOISTURE CONTENT									
ACHMSC	(IN) -	4.0W		S=	4.5W			75W	
ACHMBC	(IN) -	8.5W		10	11.5W		- 10	.75W	
	-						-		
	-			5		3	=0		
	-			(5) (2)			₹/ =:		
	_			24			-		
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REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/ JOB NUMBER - BBC FEDERAL AID NO TO PURPOSE - SOI SPEC. REMARKS - NO SUPPLIER NAME - COU NAME OF PROJECT - F PROJECT ENGINEER - N PIT/QUARRY - ARKAN LOCATION - MULTI SAMPLED BY - T.FRAM SAMPLE FROM - TEST MATERIAL DESC PA	BE ASSI L SURVE SPECIFI NTIES HIGHWAY TOT APPL HSAS LPLE COU ZIER HOLE	Y SAMPLE CATION CHECK 65-WEST (F) ICABLE		M S: Si C' D: D	PEC. YEA UPPLIER OUNTY/ST ISTRICT DATE SAM	CODE - PSO AR - 2014 ID 1 CATE - 76 NO XX PLED - 10/06/15 EIVED - 10/12/15
LAB NUMBER	_	20153225	-	20153226	·=	20153227
SAMPLE ID	_		_		S=	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION	ONLY =	INFORMATION ONLY
STATION	-		-	121.25 EB	7 <u>2</u>	121.25 WB
LOCATION	-	LOWP	_	LIWP	100	RIWP
DEPTH IN FEET	-		-		-	
MAT'L COLOR MAT'L TYPE	_		-		12	
LATITUDE DEG-MIN-	SEC -	35 7 25.90	-	35 07 21	.60 -	35 7 22.30
LONGITUDE DEG-MIN-		92 30 19.80		92 30 5	.20	92 30 3.10
% PASSING 2	IN		_		~	
	IN		_		3	
	: IN		-		: =	
3/8	IN		-		9 77 2 000	
NO.	4 -		_		-	
NO.			-		:=	
NO.			-		11 7 2	
NO.			-		-	
	200					
LIQUID LIMIT	-		-		-	
PLASTICITY INDEX AASHTO SOIL	_		· ·		- 2	
UNIFIED SOIL	_		-		-	
% MOISTURE CONTENT	_		-			
		4.0W		4 OEW		2 257
ACHMSC ACHMBC	(IN) -	4.0W	-	4.25W 9.5W	-	3.25W 10.25W
1101111111111	(111)	01011	-	3.3	-	10.25%
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REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT ***

SPEC. REMARKS - NO S SUPPLIER NAME - COUN' NAME OF PROJECT - HI PROJECT ENGINEER - NO PIT/QUARRY - ARKANS	O8 E ASSIGNED SURVEY SAMPLE PECIFICATION CHECK TIES GHWAY 65-WEST (F) T APPLICABLE AS PLE COUNTIES EER	SEQUENCE NO 7 MATERIAL CODE - PSO SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 76 DISTRICT NO XX DATE SAMPLED - 10/06/12 DATE RECEIVED - 10/12/12	5
LAB NUMBER		- 20153229 - 20153230	
SAMPLE ID	- 20153228 -	- 20153229 - 20153230	
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY - INFORMATION ON:	LY
STATION	- 121.50 EB	121.50 WB 121.75 EB	
LOCATION	- ROWP	LOWP LIWP	
DEPTH IN FEET	-		
MAT'L COLOR	-		
MAT'L TYPE		<u>a</u>	
	EC - 35 7 18.90 EC - 92 29 49.50		
LONGITUDE DEG-MIN-SI	EC - 92 29 49.50	92 29 47.40 92 29 34.00)
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NO.		- 48	
NO. 2	00 -		
LIQUID LIMIT	_	e	
PLASTICITY INDEX	-	·	
AASHTO SOIL	-	a 15	
UNIFIED SOIL	-		
% MOISTURE CONTENT	-	- (-	
ACHMSC ((IN) - 4.5W	- 4.25W - 4.5W	
	(IN) - 10.0W	- 2.5W - 9.25W	
	-	-	
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REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT ***

WWW DOI	B BORVET / TAVERMENT	DO	JONDING THOI KHIOKI
DATE - 10/13/15 JOB NUMBER - BB0808 FEDERAL AID NO TO BE AS PURPOSE - SOIL SUR SPEC. REMARKS - NO SPECI SUPPLIER NAME - COUNTIES NAME OF PROJECT - HIGHWA PROJECT ENGINEER - NOT AP PIT/QUARRY - ARKANSAS	VEY SAMPLE FICATION CHECK Y 65-WEST (F)		SEQUENCE NO 8 MATERIAL CODE - PSO SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 76 DISTRICT NO XX
LOCATION - MULTIPLE C	OUNTIES		DATE SAMPLED 📻 10/06/15
SAMPLED BY - T.FRAZIER			DATE RECEIVED = 10/12/15
SAMPLE FROM - TEST HOLE			DATE TESTED = 10/12/15
MATERIAL DESC PAVEMENT	SOUNDINGS ONLY		
LAB NUMBER SAMPLE ID	- 20153231	-	20153232 - 20153233
	- INFORMATION ONLY	_	INFORMATION ONLY - INFORMATION ONLY
STATION	- 121.75 WB	_	122.00 EB - 122.00 WB
	- RIWP	-	ROWP LOWP
DEPTH IN FEET	_	-	= =====================================
MAT'L COLOR	_	-	<u> </u>
MAT'L TYPE	_	_	_
LATITUDE DEG-MIN-SEC	- 35 7 17.40	_	35 07 14.30 - 35 7 15.70
LONGITUDE DEG-MIN-SEC			92 29 15.80 92 29 15.70
% PASSING 2 IN.			23.00
1 1/2 IN.	_	$\dot{t} = 0$	/ //
3/4 IN.	_	-	
3/8 IN.	-	-	
NO. 4	-		
NO. 10		-	
NO. 40	-	-	, 5
NO. 80	-	-	
NO. 200	-		
LIQUID LIMIT	_	-	-
PLASTICITY INDEX	_	-	₩
AASHTO SOIL	-	177	±
UNIFIED SOIL	_	-	-
% MOISTURE CONTENT	-	-	■
	2 554		5.077
ACHMSC (IN) ACHMBC (IN)		-	5.0W - 4.0W 9.25W - 7.5W
ACHMBC (IN)		2	9.25W - 7.5W
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	_	=	- -
	_	-	-

REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT ***

DATE - 10/13/15 JOB NUMBER - BB0808 FEDERAL AID NO TO BE ASSIGNMENT - SOIL SURVEY SPEC. REMARKS - NO SPECIFICATION NAME OF PROJECT - HIGHWAY OF PROJECT ENGINEER - NOT APPLIA PIT/QUARRY - ARKANSAS LOCATION - MULTIPLE COUNTY SAMPLED BY - T.FRAZIER SAMPLE FROM - TEST HOLE MATERIAL DESC PAVEMENT SO	Y SAMPLE CATION CHECK S5-WEST (F) CCABLE NTIES	SEQUENCE NO 9 MATERIAL CODE - PSO SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 76 DISTRICT NO XX DATE SAMPLED - 10/06/15 DATE RECEIVED - 10/12/15 DATE TESTED - 10/12/15
LAB NUMBER -	20153234	20153235 = 20153236
SAMPLE ID -		
TEST STATUS -	INFORMATION ONLY	- INFORMATION ONLY - INFORMATION ONLY
STATION -	122.25 EB	= 122.25 WB = 122.50 EB
LOCATION -	LIWP	RIWP ROWP
DEPTH IN FEET -		
MAT'L COLOR -		
MAT'L TYPE -		æ
	35 7 13.30	35 07 14.10 - 35 7 12.10
LONGITUDE DEG-MIN-SEC -	92 29 .10	92 28 58.10 92 28 44.50
% PASSING 2 IN		
1 1/2 IN		
3/4 IN		
3/8 IN		
NO. 4 -		
NO. 10 - NO. 40 -		# 18
NO. 80 -		15. 20.
NO. 200 -		
LIQUID LIMIT -		
PLASTICITY INDEX -		
AASHTO SOIL -		
UNIFIED SOIL -		-
% MOISTURE CONTENT -		
ACHMSC (IN) -	4.5W	- 3.5W - 4.75W
ACHMBC (IN) -	10.25W	- 10.5W - 9.5W
		100
~		 (#
=		* *
		# # # # # # # # # # # # # # # # # # #
-		(A)
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REMARKS - W=MULTIPLE LAYERS

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AASHTO TESTS : T24 T88 T89 T90 T265

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MICHAEL BENSON, MATERIALS ENGINEER *** SOIL SURVEY / PAVEMENT SOUNDING TEST REPORT ***

DATE - 10/13/15 JOB NUMBER - BB0808 FEDERAL AID NO TO BE ASSIGNED PURPOSE - SOIL SURVEY SAMPLE SPEC. REMARKS - NO SPECIFICATION CHECK SUPPLIER NAME - COUNTIES NAME OF PROJECT - HIGHWAY 65-WEST (F) PROJECT ENGINEER - NOT APPLICABLE PIT/QUARRY - ARKANSAS LOCATION - MULTIPLE COUNTIES SAMPLED BY - T.FRAZIER SAMPLE FROM - TEST HOLE MATERIAL DESC PAVEMENT SOUNDINGS ONLY	SEQUENCE NO 10 MATERIAL CODE - PSO SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 76 DISTRICT NO XX DATE SAMPLED - 10/06/15 DATE RECEIVED - 10/12/15 DATE TESTED - 10/12/15
	- 20153238 - 20153239
SAMPLE ID -	20133237
	- INFORMATION ONLY - INFORMATION ONLY
STATION - 122.50 WB	= 122.75 EB = 122.75 WB
LOCATION - LOWP	- LIWP - RIWP
DEPTH IN FEET -	*
MAT'L COLOR -	
MAT'L TYPE -	#
LATITUDE DEG-MIN-SEC - 35 7 13.40	
LONGITUDE DEG-MIN-SEC - 92 28 42.20	92 28 28.70 92 28 26.70
% 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) - 6.5W	- 3.75W - 4.0W
ACHMBC (IN) - 5.0W	- 11.5W - 9.5W
(44.)	· ·
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-	-
-	2
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REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER

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

SPEC. REMARKS - NO SP SUPPLIER NAME - COUNT NAME OF PROJECT - HIG PROJECT ENGINEER - NOT PIT/QUARRY - ARKANSA	08 E ASSIGNED SURVEY SAMPLE PECIFICATION CHECK FIES GHWAY 65-WEST (F) T APPLICABLE AS LE COUNTIES ER	SEQUENCE NO 11 MATERIAL CODE - PSO SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 76 DISTRICT NO XX DATE SAMPLED - 10/06/15 DATE RECEIVED - 10/12/15 DATE TESTED - 10/12/15
MATERIAL DESC PAVEN	MENT SOUNDINGS ONLY	
LAB NUMBER	- 20153240	- 20153241 - 20153242
SAMPLE ID	-	9
TEST STATUS	- INFORMATION ONLY	- INFORMATION ONLY - INFORMATION ONLY
STATION	- 123.00 EB	- 123.00 WB - 123.25 EB
LOCATION	- ROWP	LOWP
DEPTH IN FEET	-	
MAT'L COLOR	-	(#) (%) (%)
MAT'L TYPE LATITUDE DEG-MIN-SE	- EC - 35 7 9.90	- - 35 07 11.40 - 35 7 9.10
LATITUDE DEG-MIN-SE LONGITUDE DEG-MIN-SE		92 28 10.70 92 27 55.90
	EC - 92 20 11.00	32 20 10.70 32 27 33.30
·	IN	- 98
1 1/2 I		
3/4 I		- 25 - 26
3/8 I		- 2
NO. NO. 1		
NO. 4		- wf
NO. 8		
NO. 20		
I TOUTD I TWIE		
LIQUID LIMIT PLASTICITY INDEX	_	
AASHTO SOIL	_	等: (4)
UNIFIED SOIL	_	(#) IH
% MOISTURE CONTENT	_	R: 5
	(T)) 4 OFM	7.00
	IN) - 4.25W IN) - 9.0W	7.0W - 3.75W - 10.0W
ACHMBC (IN) - 9.0W	- 6.0W - 10.0W
	-	· ·
	-	
		5
	-	*
	-	-

REMARKS - W=MULTIPLE LAYERS

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/3 JOB NUMBER - BB08 FEDERAL AID NO TO I PURPOSE - SOII SPEC. REMARKS - NO S SUPPLIER NAME - COUN NAME OF PROJECT - HS PROJECT ENGINEER - NO PIT/QUARRY - ARKANS LOCATION - MULTIS SAMPLED BY - T.FRAZ SAMPLE FROM - TEST I MATERIAL DESC PAV	808 BE ASSIGNED L SURVEY SAMPLE SPECIFICATION CHECK NTIES IGHWAY 65-WEST (F) OT APPLICABLE SAS PLE COUNTIES IIER HOLE	SEQUENCE NO 12 MATERIAL CODE - PSO SPEC. YEAR - 2014 SUPPLIER ID 1 COUNTY/STATE - 76 DISTRICT NO XX DATE SAMPLED - 10/06/15 DATE RECEIVED - 10/12/15 DATE TESTED - 10/12/15
LAB NUMBER	- 20153243	- 20153244 - 20153245
SAMPLE ID TEST STATUS STATION LOCATION DEPTH IN FEET	_	- INFORMATION ONLY - INFORMATION ONLY - 123.50 EB - 123.75 EB - LIWP -
MAT'L COLOR	-	- # - #
MAT'L TYPE	- 25 7 10 20	
LATITUDE DEG-MIN-S		- 35 07 7.90 - 35 7 7.20 92 27 40.10 92 27 24.20
3/4 3/8 NO. NO. NO.	IN IN IN IN 4 - 10 - 40 - 80 - 200 -	
LIQUID LIMIT	:=:	ω +
PLASTICITY INDEX	=	
AASHTO SOIL UNIFIED SOIL	7 <u>2.</u> 7	
% MOISTURE CONTENT		₹
ACHMSC ACHMBC	(IN) - 4.25W (IN) - 10.0W	- 4.0W - 3.75W - 10.0W - 10.0W

REMARKS - W=MULTIPLE LAYERS

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AASHTO TESTS : T24 T88 T89 T90 T265

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MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/13/15 JOB NUMBER - BB0808 FEDERAL AID NO TO BE ASSIGNED PURPOSE - SOIL SURVEY SAMPLE SPEC. REMARKS - NO SPECIFICATION CHI SUPPLIER NAME - COUNTIES NAME OF PROJECT - HIGHWAY 65-WEST () PROJECT ENGINEER - NOT APPLICABLE PIT/QUARRY - ARKANSAS LOCATION - MULTIPLE COUNTIES SAMPLED BY - T.FRAZIER		MATERIAL SPEC. YE SUPPLIER COUNTY/S DISTRICT	E NO 13 L CODE - PSO EAR - 2014 E ID 1 STATE - 76 E NO XX MPLED - 10/06/15 CEIVED - 10/12/15
SAMPLE FROM - TEST HOLE			STED = 10/12/15
MATERIAL DESC PAVEMENT SOUNDINGS	YLINC		
LAB NUMBER - 20153246	- 201	L53247 -	20153248
SAMPLE ID -	=	_	
			INFORMATION ONLY
STATION - 123.75 WI LOCATION - RIWP	LIV		124.25 WB
DEPTH IN FEET -	1111	-	KIWF
MAT'L COLOR -	386	-	
MAT'L TYPE -		-	
LATITUDE DEG-MIN-SEC - 35 7	8.20 = 3	35 06 58.00 -	35 7 .40
LONGITUDE DEG-MIN-SEC - 92 27	24.50	26 55.50	92 26 57.20
% PASSING 2 IN 1 1/2 IN 3/4 IN 3/8 IN NO. 4 - NO. 10 -		15 15 15 15 15 15	
NO. 40 -	-	2=	
NO. 80 -	(-)	h o	
NO. 200 -			
LIQUID LIMIT -	:51	-	
PLASTICITY INDEX -	-	-	•
AASHTO SOIL -	1 = 1		
UNIFIED SOIL -	_	W.	
% MOISTURE CONTENT -			
ACHMSC (IN) - 3.5W		3.75W	6.0W
ACHMBC (IN) - 10.5W	- :	12.0W	13.0W
	-		500 d 100 d 10
-	-	-	21
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REMARKS - W=MULTIPLE LAYERS

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MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/1 JOB NUMBER - BB08 FEDERAL AID NO TO F PURPOSE - SOII SPEC. REMARKS - NO S SUPPLIER NAME - COUN NAME OF PROJECT - HI PROJECT ENGINEER - NO PIT/QUARRY - ARKANS LOCATION - MULTII SAMPLED BY - T.FRAZI SAMPLE FROM - TEST F MATERIAL DESC PAV	BO8 BE ASSI SURVE SPECIFI NTIES IGHWAY OT APPI SAS PLE COU IER HOLE	Y SAMPLE CATION CHECK 65-WEST (F) ICABLE INTIES		MATERI SPEC. SUPPLI COUNTY DISTRI	YEAL YEA YEA YST CT SAMI	PLED - 10/06/15 EIVED - 10/12/15
LAB NUMBER	-	20153249		20153250	2=	20153251
SAMPLE ID	_		-		-	
TEST STATUS	-	INFORMATION ONLY	-	INFORMATION ONLY	1	INFORMATION ONLY
STATION	-	124.50 EB	-	124.50 WB	1.55	124.75 EB
LOCATION	-	ROWP		LOWP	12	LIWP
DEPTH IN FEET	_		-			
MAT'L COLOR	-		-		177	
MAT'L TYPE		25 5 40 50	-	25 24 54 60	25	25 6 46 00
LATITUDE DEG-MIN-S		35 6 49.60		35 06 51.60	-	35 6 46.90 92 26 28.10
LONGITUDE DEG-MIN-S	SEC -	92 26 44.10		92 26 45.40		92 26 28.10
% PASSING 2	IN		-		-	
1 1/2			-		-	
	IN		_		_	
	IN		-		_	
NO.			-		-	
NO. NO.			-		-	
NO.			_		_	
NO. 2			2.55			
LIQUID LIMIT	-		170		_	
PLASTICITY INDEX	-		-		-	
AASHTO SOIL	_		-			
UNIFIED SOIL % MOISTURE CONTENT	_		$\overline{}$		=	
* MOISTORE CONTENT	_					
ACHMSC	(IN) -	4.5W	-	4.5W	-	3.5W
ACHMBC	(IN) -	14.0W	_	14.5W	_	10.5W
	-		=			
	-		2		-	
	8=		2		-	
	-		-		-	
			===			
	_		**			

REMARKS - W=MULTIPLE LAYERS

MICHAEL BENSON, MATERIALS ENGINEER

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

DATE - 10/13/15 JOB NUMBER - BB0808 FEDERAL AID NO TO BE ASSIGNED PURPOSE - SOIL SURVEY SAMPL SPEC. REMARKS - NO SPECIFICATION SUPPLIER NAME - COUNTIES NAME OF PROJECT - HIGHWAY 65-WEST PROJECT ENGINEER - NOT APPLICABLE PIT/QUARRY - ARKANSAS LOCATION - MULTIPLE COUNTIES SAMPLED BY - T.FRAZIER SAMPLE FROM - TEST HOLE MATERIAL DESC PAVEMENT SOUNDING	CHECK (F)	MATER SPEC. SUPPI COUNT DISTR DATE DATE	ENCE NO 15 RIAL CODE - PSO YEAR - 2014 LIER ID 1 TY/STATE - 76 RICT NO XX SAMPLED - 10/06/15 RECEIVED - 10/12/15 TESTED - 10/12/15
LAB NUMBER - 201532	52 -	20153253	-
SAMPLE ID -	_		-
TEST STATUS - INFORM	ATION ONLY -	INFORMATION ONL	Υ -
STATION - 124.75	WB -	125.00 EB	-
LOCATION - RIWP	-	ROWP	-
DEPTH IN FEET -	-		-
MAT'L COLOR -	-		_
MAT'L TYPE -	_		_
	6 47.80 -	35 06 45.00	_
	26 30.40	92 26 14.80	
% PASSING 2 IN	= -7-		0=
1 1/2 IN	_		/ -
3/4 IN	:=:		
3/8 IN	-		_
NO. 4 -			7 <u>~</u> 7 <u>~</u>
NO. 10 -	5		2=
NO. 40 -	(m)		XIII
NO. 80 -	1.00		25
NO. 200 -			
LIQUID LIMIT -	925		_
PLASTICITY INDEX -			_
AASHTO SOIL -	-		專
UNIFIED SOIL -			童
	-		-
% MOISTURE CONTENT -			
ACHMSC (IN) - 7.0W	⊒ =	4.25W	=
ACHMBC (IN) - 5.5W	T ==	13.0W	5 # 5
. 	=======================================		1 4
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25 26			
-	4		<u></u>

REMARKS - W=MULTIPLE LAYERS

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AASHTO TESTS : T24 T88 T89 T90 T265

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