#### ARKANSAS DEPARTMENT OF TRANSPORTATION



#### SUBSURFACE INVESTIGATION

IN		CRITTENDEN	COUNTY					
STATE HIGHWAY	38	SECTION	10					
HW	/Y. 70 – SOUTH	ILAND DR. (WEST MEMPI	HIS) (S)					
FEDERAL AID PROJE	CT NO.	STPC-9448(44)						
STATE JOB NO 110650								

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

June 4, 2018

TO:

Mr. Trinity Smith, Engineer of Roadway Design

SUBJECT:

Job No.110650

Beatty St. - Southland Dr. (West Memphis) (S)

Route 38 Section 10 Crittenden County

Transmitted herewith is the requested Soil Survey, strength data and Resilient Modulus test results for the above referenced job. The project consists of reconstructing approximately 0.8 miles of Highway 38 between Highway 70 and Southland Drive. Samples were taken in the existing travel lanes, shoulders and ditch line.

Based on laboratory results of samples obtained, the subgrade soils consist of non-plastic sands to highly plastic clays. Cross-sections are not currently available, but it is assumed the construction grade line will closely match that of the existing roadway. The presence of high moisture content and high plasticity subgrade materials will likely require significant rehabilitation for full depth pavement reconstruction. It is recommended that 2 feet of Stone Backfill placed on Type 10 separation fabric be planned for any area where full depth pavement is removed. Due to the project location and extreme heavy truck volume, it is recommended that a concrete overlay in conjunction with cold milling be considered for this project.

Additional earthwork recommendations will be made upon request when plans are further developed and cross-sections become available.

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

1. The Qualified Products List (QPL) indicates that Aggregate Base Course (Class CL-7) is available from commercial producers located at the river port in West Memphis.

2. Asphalt Concrete Hot Mix

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: St

State Constr. Eng. - Master File Copy

District 1 Engineer

System Information and Research Div.

G. C. File

MICHAEL BENSON, MATERIALS ENGINEER

\*\*\* SOIL SURVEY STRENGTH TEST REPORT \*\*\*

DATE - 05/02/2018 SEQUENCE NO. - 1

JOB NUMBER - 110650 MATERIAL CODE - SSRV

SPEC. YEAR - 2014

SUPPLIER ID. - 1

COUNTY/STATE - 18 DISTRICT NO. - 01

JOB NAME - BEATTY ST. - SOUTHLAND DR. (WEST MEMPHIS) (S)

\*

BEGIN JOB - END JOB LESS THAN 5

RESILIENT MODULUS

STA. 105+00 6415

REMARKS -

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AASHTO TESTS : T190

# ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT MATERIALS DIVISION

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

Job No.	110650	Material Code	SSRVPS
Date Sampled:	3/21/18	Station No.:	105+00
Date Tested:	May 1, 2018	Location:	36'RT
Name of Project:	BEATTY ST SOUTHLAND DR. (WEST MA	AMPHIS)(S)	
County:	Code: 18 Name: CRITTENDEN		
Sampled By:	THORNTON/BATES	Depth:	0-5
Lab No.:	20180674	AASHTO Class:	A-6 (6)
Sample ID:	RV 165	Material Type (1	
LATITUDE:		LONGITUDE:	
1. Testing Inform	nation:		
	Preconditioning - Permanent Strain > 5% (	Y=Yes or N= No)	N
	Testing - Permanent Strain > 5% (Y=Yes o	r N=No)	N
	Number of Load Sequences Completed (0-	·	15
2. Specimen Info	ormation:		
•	Specimen Diameter (in):		
	Тор		3.95
	Middle		3.94
	Bottom		3.93
	Average		3.94
	Membrane Thickness (in):		0.01
	Height of Specimen, Cap and Base (in):		8.02
	Height of Cap and Base (in):		0.00
	Initial Length, Lo (in):		8.02
	Initial Area, Ao (sq. in):		12.12
	Initial Volume, AoLo (cu. in):		97.19
2 Cail Caraina	- Marianha.		
3. Soil Specimer			2024 70
	Weight of Wet Soil Used (g):		3034.70
4. Soil Propertie	s:		
	Optimum Moisture Content (%):		17.5
	Maximum Dry Density (pcf):		104
	95% of MDD (pcf):		98.8
	In-Situ Moisture Content (%):		N/A
5. Specimen Pro	perties:		
	Wet Weight (g):		3034.70
	Compaction Moisture content (%):		17.6
	Compaction Wet Density (pcf):		118.98
	Compaction Dry Density (pcf):		101.17
	Moisture Content After Mr Test (%):		17.3
6. Quick Shear 1	Test (Y=Yes, N=No, N/A=Not Applicable):		#VALUE!
7. Resilient Mod	ulus, Mr:	6	109(Sc)^-0.09219(S3)^0.31915
8. Comments			
o. Comments			
9. Tested By:	GW	<b>Date:</b> May 1, 2018	
J.	·	=	

# ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT MATERIALS DIVISION

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

SSRVPS

105+00 36'RT

0-5

Material Code Station No.: Location: May 1, 2018 110650 3/21/18 Date Sampled: Date Tested: Job No.

Name of Project: BEATTY ST. - SOUTHLAND DR. (WEST MAMPHIS)(S)

County: Code: 18 Name: CRITTENDEN

Sampled By: THORNTON/BATES
Lab No.: 20180674
Sample ID: RV 165
Materia

LATITUDE:

Material Type (1 or 2): 2

LONGITUDE:

	Chamber	Nominal	Actual	Actual	Actual	Actual	Actual	Actual	Average	Resilient	Resilient
	Confining	Maximum	Applied	Applied	Applied	Applied	Applied	Applied	Recov Def.	Strain	Modulus
PARAMETER	Pressure	Axial	Max. Axial	Cyclic Load	Contact	Мах.	Cyclic	Contact	LVDT 1		
		Stress	Load		Load	Axial	Stress	Stress	and 2		
						Stress					
DESIGNATION	S³	Scyclic	P <sub>max</sub>	P <sub>cyclic</sub>	Pcontact	S <sub>max</sub>	S <sub>cyclic</sub>	Scontact	Havg	5	M
TINO	psi	psi	sql	sql	sql	psi	psi	psi	ņ	in/in	psi
Sequence 1	0.9	2.0	24.7	22.0	2.7	2.0	1.8	0.2	0.00143	0.00018	10,191
Sequence 2	0.9	4.0	46.7	43.8	2.8	3.9	3.6	0.2	0.00288	0.00036	10,061
Sequence 3	0.9	6.0	68.9	65.3	3.6	5.7	5.4	0.3	0.00434	0.00054	9,968
Sequence 4	0.9	8.0	91.7	85.7	6.0	7.6	7.1	0.5	0.00625	0.00078	9,070
Sequence 5	0.9	10.0	113.9	105.4	8.5	9.4	8.7	0.7	0.00831	0.00104	8,394
Sequence 6	4.0	2.0	24.7	21.8	2.8	2.0	1.8	0.2	0.00162	0.00020	8,892
Sequence 7	4.0	4.0	46.0	43.2	2.9	3.8	3.6	0.2	0.00342	0.00043	8,345
Sequence 8	4.0	0.9	67.1	64.2	2.9	5.5	5.3	0.2	0.00534	0.00067	7,953
Seguence 9	4.0	8.0	90.4	85.2	5.2	7.5	7.0	0.4	0.00718	0.00000	7,846
Sequence 10	4.0	10.0	113.1	105.4	7.7	9.3	8.7	9.0	0.00928	0.00116	7,514
Sequence 11	2.0	2.0	24.5	21.7	2.8	2.0	1.8	0.2	0.00204	0.00025	7,050
Sequence 12	2.0	4.0	45.5	42.7	2.8	3.8	3.5	0.2	0.00414	0.00052	6,820
Sequence 13	2.0	0.9	0.99	63.2	2.8	5.4	5.2	0.2	0.00626	0.00078	6,682
Sequence 14	2.0	8.0	87.5	83.2	4.3	7.2	6.9	0.4	0.00855	0.00107	6,440
Sequence 15	2.0	10.0	110.8	104.1	6.7	9.1	8.6	9.0	0.01074	0.00134	6,415

May 1, 2018	2 19
DATE	DATE
TESTED BY GW	REVIEWED BY

# ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT MATERIALS DIVISION

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

Job No.110650Material Code SSRVPSDate Sampled:3/21/18Station No.: 105+00Date Tested:May 1, 2018Location: 36'RT

**Date Tested:** May 1, 2018 **Location:** 36'8 **Name of Project:** BEATTY ST. - SOUTHLAND DR. (WEST MAMPHIS)(S)

County: Code: 18 Name: CRITTENDEN

Sampled By: THORNTON/BATES

Lab No.: 20180674

Sample ID: RV 165

Material Type (1 or 2): 2

LATITUDE: LONGITUDE:

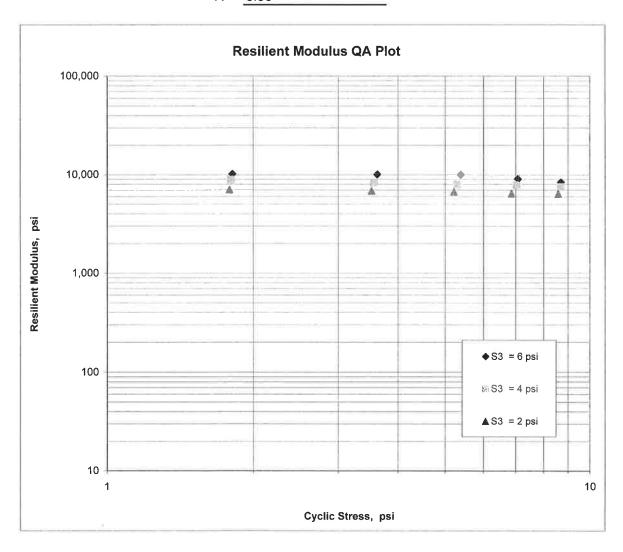
$$M_R = K1 (S_C)^{K2} (S_3)^{K5}$$

K1 = 6,109

K2 = -0.09219

K5 = 0.31915

 $R^2 = 0.96$ 



#### MICHAEL BENSON, MATERIALS ENGINEER

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

SUPPLIER NAME - STATE NAME OF PROJECT - BEA PROJECT ENGINEER - NOT PIT/QUARRY - ARKANSA LOCATION - CRITTED SAMPLED BY - THORNTO SAMPLE FROM - TEST HO	50 E ASSIGNED SURVEY SAMPLE PECIFICATION CHECK E ATTY ST SOUTHLAND DR. T APPLICABLE AS NDEN, COUNTY N/BATES	MATERI SPEC. SUPPLI COUNTY DISTRI (WEST MEMPHIS) (S)  DATE DATE	MCE NO 1 MAL CODE - SSRVPS YEAR - 2014 MER ID 1 MY/STATE - 18 MCT NO 01  SAMPLED - 03/21/18 RECEIVED - 03/23/18 FESTED - 05/02/18
LAB NUMBER SAMPLE ID TEST STATUS STATION LOCATION DEPTH IN FEET MAT'L COLOR MAT'L TYPE	- 105+00 - 24RT - 0-5 - GRAY	- 105+00 - 36RT - 0-5 - BR/GR	20180662 - S153 - INFORMATION ONLY - 115+00 - 33LT - 0-5 - BR/GR
	EC - 90 08 25.80 IN	- 35 08 50.70 90 08 25.60	90 08 23.30
3/8 3 NO. NO. 3 NO. 4	IN IN 100 4 - 98 10 - 94 40 - 89 80 - 82	- 100 - 95 - 94 - 91 - 87 - 79 - 74	- 100 - 99 - 99 - 96 - 61 - 33
LIQUID LIMIT PLASTICITY INDEX AASHTO SOIL UNIFIED SOIL % MOISTURE CONTENT	- 33 - 17 - A-6(11) - 28.9	- 62 - 33 - A-7-6(26) - 35.8	- ND - NP - A-2-4(0) - 12.1
ACHMSC (ACHMBC (	IN) - 1.25 (IN) - 9.5W (IN) - 5.0 		 - 9.5W  -
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 \*\*\*

JOB NUMBER - 110 FEDERAL AID NO TO PURPOSE - SOI SPEC. REMARKS - NO SUPPLIER NAME - STA NAME OF PROJECT - E PROJECT ENGINEER - N PIT/QUARRY - ARKAN LOCATION - CRITT SAMPLED BY - THORNT SAMPLE FROM - TEST	BE ASSIGNED  L SURVEY SAMPLE  SPECIFICATION CHECK  TE  BEATTY ST SOUTHLAND D  NOT APPLICABLE  NSAS  CENDEN, COUNTY  TON/BATES	MATER SPEC. SUPPI COUNT DISTR R. (WEST MEMPHIS) (S)  DATE DATE DATE DATE	ENCE NO 2  RIAL CODE - SSRVPS  YEAR - 2014  LIER ID 1  TY/STATE - 18  RICT NO 01  SAMPLED - 03/21/18  RECEIVED - 03/23/18  TESTED - 05/02/18
LAB NUMBER  SAMPLE ID  TEST STATUS  STATION  LOCATION  DEPTH IN FEET  MAT'L COLOR  MAT'L TYPE  LATITUDE DEG-MIN-  LONGITUDE DEG-MIN-	- 115+00 - 37LT - 0-5 - BROWN - SEC - 35 9 .30	- 115+00 - 49LT - 0-5 - BR/GR - 35 09 .30	
% PASSING 2 1 1/2 3/4 3/8 NO. NO.	IN IN IN IN 100 IN 99 4 - 99 10 - 98 40 - 96 80 - 67	- - 100 - 98 - 93 - 91 - 79 - 47 25	- - - 100 - 99 - 98 - 93 - 76 64
LIQUID LIMIT PLASTICITY INDEX AASHTO SOIL UNIFIED SOIL % MOISTURE CONTENT ACHMSC ACHMBC AGG. BASE CRS CL-7	- ND - NP - A-4(0) 11.8  (IN) - 2.5  (IN) (IN) - 3.0	- ND - NP - A-2-4(0) - 12.2   	- 28 - 10 - A-4(4) - 39.8 - 2.0 - 11.0W 

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 \*\*\*

	DOIL DOINEL / LIVELIEN	boombing indi ithi	
SUPPLIER NAME - STA NAME OF PROJECT - B PROJECT ENGINEER - N PIT/QUARRY - ARKAN LOCATION - CRITT SAMPLED BY - THORNT SAMPLE FROM - TEST	BE ASSIGNED  L SURVEY SAMPLE  SPECIFICATION CHECK  TE  BEATTY ST SOUTHLAND DE  JOT APPLICABLE  JSAS  CENDEN, COUNTY  TON/BATES	MATI SPEC SUP: COUI DIS' R. (WEST MEMPHIS) (S  DAT DAT DAT	UENCE NO 3 ERIAL CODE - SSRVPS C. YEAR - 2014 PLIER ID 1 NTY/STATE - 18 IRICT NO 01  E SAMPLED - 03/21/18 E RECEIVED - 03/23/18 E TESTED - 05/02/18
MAT'L TYPE LATITUDE DEG-MIN-	- 123+00 - 47RT - 0-5 - GRAY	- 123+00 - 57RT - 0-5 - GRAY	
% PASSING 2 1 1/2 3/4 3/8 NO. NO. NO.	IN IN IN IN IN 100 4 - 99 10 - 99 40 - 98	- - - - 100 - - - 91	- - - 100 - 99 - 99 - 98 - 96 85
LIQUID LIMIT PLASTICITY INDEX AASHTO SOIL UNIFIED SOIL % MOISTURE CONTENT	- 44 - 30 - A-7-6(27) - 30.5	- 52 - 36 - A-7-6(34) - 33.4	- 44 - 27 - A-7-6(23) - 34.8
ACHMSC PCCP AGG. BASE CRS CL-7	(IN) - 2.0 (IN) (IN) - 4.0		- 3.0 - 8.5 

REMARKS - W=MULTIPLE LAYERS

AASHTO TESTS : T24 T88 T89 T90 T265

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#### MICHAEL BENSON, MATERIALS ENGINEER

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

JOB NUMBER - 110 FEDERAL AID NO TO PURPOSE - SOI SPEC. REMARKS - NO SUPPLIER NAME - STA NAME OF PROJECT - B PROJECT ENGINEER - N PIT/QUARRY - ARKAN LOCATION - CRITT SAMPLED BY - THORN SAMPLE FROM - TEST	BE ASSIGNED  L SURVEY SAMPLE  SPECIFICATION CHECK  BEATTY ST SOUTHLA  NOT APPLICABLE  ISAS  TENDEN, COUNTY  TON/BATES  HOLE	MATEI SPEC SUPPI COUN' DISTI ND DR. (WEST MEMPHIS) (S)  DATE DATE	ENCE NO 4  RIAL CODE - SSRVPS . YEAR - 2014  LIER ID 1  TY/STATE - 18  RICT NO 01  SAMPLED - 03/21/18  RECEIVED - 03/23/18  TESTED - 05/02/18
LAB NUMBER  SAMPLE ID  TEST STATUS  STATION  LOCATION  DEPTH IN FEET  MAT'L COLOR  MAT'L TYPE  LATITUDE DEG-MIN-  LONGITUDE DEG-MIN-		- 132+00 - 55LT - 0-5 - GRAY - 35 09 15.70	
% PASSING 2 1 1/2 3/4	IN IN IN IN IN 100 4 - 99 10 - 99 40 - 99 80 - 94	- - - - 100 - - - 90	100
LIQUID LIMIT PLASTICITY INDEX AASHTO SOIL UNIFIED SOIL % MOISTURE CONTENT		- 53 - 34 - A-7-6(33) - 41.2	- 37 - 24 - A-6(23) - 40.6
ACHMSC PCCP AGG. BASE CRS CL-7	(IN) - 3.0 (IN) (IN) - 2.0		- 3.5 - 8.5 - 2.0 

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	50.	LL SORVET / PAVEMENT	POONDING IEDI	NEE ON I	
SAMPLE ID - S163 - S164 - TEST STATUS - INFORMATION ONLY - INFORMATION ONLY - STATION - 141+00 - 141+00 - 141+00 - 141+00 - 141+00 - 149RT - 1	JOB NUMBER - 110650  FEDERAL AID NO TO BE AS PURPOSE - SOIL SUI SPEC. REMARKS - NO SPEC. SUPPLIER NAME - STATE NAME OF PROJECT - BEATT PROJECT ENGINEER - NOT AS PIT/QUARRY - ARKANSAS LOCATION - CRITTENDED SAMPLED BY - THORNTON/B. SAMPLE FROM - TEST HOLE	SSIGNED RVEY SAMPLE IFICATION CHECK Y ST SOUTHLAND DR. PPLICABLE N, COUNTY ATES	(WEST MEMPHI	MATERIAL CODE - SPEC. YEAR - SUPPLIER ID COUNTY/STATE - DISTRICT NO (S) (S)  DATE SAMPLED - DATE RECEIVED - DATE TESTED -	SSRVPS 2014 1 18 01 03/21/18 03/23/18
1 1/2 IN	SAMPLE ID TEST STATUS STATION LOCATION DEPTH IN FEET MAT'L COLOR MAT'L TYPE LATITUDE DEG-MIN-SEC	- S163 - INFORMATION ONLY - 141+00 - 37RT - 0-5 - GRAY - 35 9 23.50	- S164 - INFORMATIO - 141+00 - 49RT - 0-5 - GRAY - 35 09 2	23.40	
PLASTICITY INDEX - 34 - 25 - A-6(20) - A-7-6(31) - A-6(20)	1 1/2 IN.	- - - 100 - -	- - - 100 - 99 - 99 - 94		
	PLASTICITY INDEX AASHTO SOIL UNIFIED SOIL % MOISTURE CONTENT ACHMSC (IN)	- 34 - A-7-6(31) - 40.6 - 2.25	- 25 - A-6(20)	- - - -	
REMARKS - W=MULTIPLE LAYERS		- - - - -	-	- - - - - -	

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 \*\*\*

50	T 11	2017 4 11	/ [	Avener	N I	SOUNDING IES.	I REFORT	
DATE - 05/02/1 JOB NUMBER - 110650 FEDERAL AID NO TO BE A PURPOSE - SOIL SU SPEC. REMARKS - NO SPEC SUPPLIER NAME - STATE NAME OF PROJECT - BEATT PROJECT ENGINEER - NOT A PIT/QUARRY - ARKANSAS LOCATION - CRITTENDE SAMPLE BY - THORNTON/E SAMPLE FROM - TEST HOLE MATERIAL DESC SOIL SU	SSI RVE IFI Y S PPL	CATION  T S ICABLE  COUNTY S	CHI OUTI	HLAND I	OR.	(WEST MEMPH	SUPPLIER ID. COUNTY/STATE DISTRICT NO. IS)(S)  DATE SAMPLED DATE RECEIVED DATE TESTED	 RV 2014 1 18 01 03/21/18 03/23/18
					·			
LAB NUMBER	_	20180				_	-	
		RV165				-	<u>=</u>	
TEST STATUS				ON ONI	ıΥ	-		
	-	105+0	0			-	<b>3</b> 3	
LOCATION	-	36RT				_		
DEPTH IN FEET	-	0-5				_	_	
MAT'L COLOR	-	BROWN				_	<b>₹</b>	
MAT'L TYPE	-					_		
LATITUDE DEG-MIN-SEC LONGITUDE DEG-MIN-SEC						-	-	
% PASSING 2 IN.	_						-	
1 1/2 IN.	-					-	-	
3/4 IN.	_	100				-	_	
3/8 IN.	-	99				-	-	
NO. 4	_	97				<del>-</del>	_	
NO. 10	_	96					_	
NO. 40	_	93				5 <b>—</b> 2	_	
NO. 80	_	88				-	_	
NO. 200	_	59						
I TOUTD I TMIE		2.4						
LIQUID LIMIT	-					)元 (全	_	
PLASTICITY INDEX AASHTO SOIL			$\sim$			(규 발	_	
AASHTO SOIL UNIFIED SOIL	_	A-0 (	6)				_	
	_					·=	_	
% MOISTURE CONTENT	_							
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REMARKS - W=MULTIPLE LA	YEF	RS						
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2								

AASHTO TESTS : T24 T88 T89 T90 T265

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DATE TESTED

5/2/2018

Arkansas State Highway Transporation Department

Materials Division

 $JOB\ NAME$ : BEATTY ST. - SOUTHLAND DR. (WEST MEMPHIS)(S)

COUNTY NO. 18

110650

JOB:

Michael Benson, Materials Engineer

PAVEMENT SOUNDINGS AGG. BASE CRS CL-7 ACHIMBC ACHIMBC ACHIMBC ACHIMBC ACHIMBC ACHMBC 11.0W 9.5W PCCP PCCP PCCP PCCP 9.5W PCCP PCCP 8.5 ACHMSC ACHIMSC 1.25 2.25 3.0 24RT **36RT** 33LT **37RT 28RT** STA.# LOC. 37LT 49LT 47RT 57RT 30LT 37RT 49RT 42LT 55LT 105+00 105+00 115+00 115+00 115+00 123+00 123+00 123+00 132+00 132+00 141+00 132+00 141+00 141+00

Wednesday, May 23, 2018

JOB NAME: BEATTY ST. - SOUTHLAND DR. (WEST MEMPHIS)(S)

**Materials Division** 

COUNTY NO. 18 DATE TESTED

5/2/2018

Michael Benson, Materials Engineer

STA.#	LOC.	DEPTH	COLOR	#4	#10	#40	#80	#200	L.L.	P.I.	SOIL CLASS	LAR#•	%MOISTURE
-				S		E		E S					
105+00	36RT	0-5	BROWN	97	96	93	88	59	34	14	A-6(6)	RV165	
105+00	24RT	0-5	GRAY	98	94	89	82	76	33	17	A-6(11)	S151	28.9
105+00	36RT	0-5	BR/GR	94	91	87	79	74	62	33	A-7-6(26)	S152	35.8
~115+00	33LT	0-5	BR/GR	99	99	96	61	33	ND	NP	A-2-4(0)	S153	12.1
~115+00	37LT	0-5	BROWN	99	98	96	67	36	ND	NP	A-4(0)	S154	11.8
115+00	49LT	0-5	BR/GR	93	91	79	47	25	ND	NP	A-2-4(0)	S155	12.2
-123+00	37RT	0-5	GRAY	99	98	93	76	64	28	10	A-4(4)	S156	39.8
123+00	47RT	0-5	GRAY	99	99	98	93	89	44	30	A-7-6(27)	S157	30.5
123+00	57RT	0-5	GRAY	100				91	52	36	A-7-6(34)	S158	33.4
132+00	30LT	0-5	GRAY	99	99	98	96	85	44	27	A-7-6(23)	S159	34.8
132+00	42LT	0-5	BR/GR	99	99	99	94	78	38	23	A-6(16)	S160	34.8
132+00	55LT	0-5	GRAY	100				90	53	34	A-7-6(33)	S161	41.2
141+00	28RT	0-5	GRAY	100	i ve	33%	fall (	96	37	24	A-6(23)	S162	40.6
141+00	37RT	0-5	GRAY	100		Fillion.		90	48	34	A-7-6(31)	S163	40.6
141+00	49RT	0-5	GRAY	100	99	99	94	85	38	25	A-6(20)	S164	40.2