

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT



SUBSURFACE INVESTIGATION

STATE JOB NO. FA6713

FEDERAL AID PROJECT NO. STPR-0067(25)

SOUTH BIG CREEK STR. & APPRS. (S)

COUNTY ROAD NO. 16

IN SHARP COUNTY

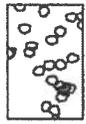
LETTING OF MAY 11, 2016

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.

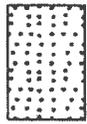
LEGEND

SOIL TYPES

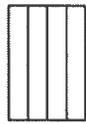
(SHOWN IN SYMBOL COLUMN)
(PREDOMINANT TYPE SHOWN HEAVY)



GRAVEL



SAND



SILT



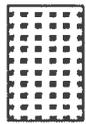
CLAY



ORGANIC
MATTER

ROCK TYPES

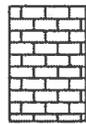
(SHOWN IN SYMBOL COLUMN)



SANDSTONE



SHALE
or
SILTSTONE



LIMESTONE
or
DOLOMITE



ALTERNATING
LAYERS of
SHALE and
SANDSTONE



OTHER

SAMPLER TYPES

(SHOWN IN SAMPLE COLUMN)

SHELBY TUBE



UNDISTURBED
SAMPLE
RECOVERY



DISTURBED
SAMPLE
RECOVERY



NO
RECOVERY

SPLIT SPOON

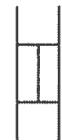


SAMPLE
RECOVERY



NO
RECOVERY

ROCK CORING



% RECOVERY
INDICATED ON LOGS

TERMS DESCRIBING CONSISTENCY OR CONDITION

GRANULAR SOIL		CLAY		CLAY-SHALE		SHALE	
'N' Value	Density	'N' Value	Consistency	'N' Value	Consistency	'N' Value	Consistency
0-4	Very Loose	0-1	Very Soft	0-1	Very Soft		
5-10	Loose	2-4	Soft	2-4	Soft	31-60	Soft
11-30	Medium Dense	5-8	Medium Stiff	5-8	Medium Stiff	Over 60	
31-50	Dense	9-15	Stiff	9-15	Stiff	More than 2'	
Over 50	Very Dense	16-30	Very Stiff	16-30	Very Stiff	Penetration	
		31-60	Hard	31-60	Hard	in 60 Blows: Medium Hard	
		Over 60	Very Hard	Over 60	Very Hard	Less than 2'	
						Penetration	
						in 60 Blows: Hard	

1. Ground water elevations indicated on boring logs represent ground water elevations at date or time shown on boring log. Absence of water surface implies that no ground water data is available but does not necessarily mean that ground water will not be encountered at locations or within the vertical reaches of these borings.
2. Borings represent subsurface conditions at their respective locations for their respective depths. Variations in conditions between or adjacent to boring locations may be encountered.
3. Terms used for describing soils according to their texture or grain size distribution are in accordance with the Unified Soil Classification System.

Standard Penetration Test – Driving a 2.0" O.D., 1-3/8" I.D. sampler a distance of 1.0 foot into undisturbed soil with a 140 pound hammer free falling a distance of 30 inches. It is customary to drive the spoon 6.0 inches to seat into undisturbed soil, then perform the test. The number of hammer blows for seating the spoon and performing the test are recorded for each 6 inches of penetration on the drill log. The field "N" Value (N_f) can be obtained by

adding the bottom two numbers for example: $\frac{6}{8-9} \Rightarrow 8+9 = 17 \text{ blows/ft}$. The "N" Value corrected to 60% efficiency (N_{60}) can be obtained by multiplying N_f by the hammer correction factor published on the boring log.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 1
PAGE 1 OF 1

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 105+62
LOCATION: Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 14, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 33.9

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 292.4									
5			Moist to Wet, Very Loose, Brown Silty Sand with some Organic Matter *							0 1-1		
10			Wet, Very Loose, Brown Sand with Gravel							1 2-2		
			DOLOSTONE - Gray, Hard									
15			DOLOSTONE - Gray, Thick Bedded, Slightly Weathered, Hard, with Slight Dip									
			Cavity (16.5' to 16.9')								83	62
20											100	100
25			DOLOSTONE - Gray, Thick Bedded, Hard, with Slight Dip								100	100
30											100	100
35			Boring Terminated									

REMARKS: * A water stratum was encountered at 5.2'.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 2
PAGE 1 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 106+17
LOCATION: Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 14, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 40.1

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 293.8								
5		X	Moist to Wet, Very Loose, Brown Clayey Sand with some Organic Matter **						0 0-0*		
10		X	Wet, Loose, Brown Sand with some Gravel						3 4-3		
15		X	Wet, Very Dense, Brown Sand with Gravel						15 35 (4")		
20			DOLOSTONE - Light Gray, Thick Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers							40	10
25										100	88
30			DOLOSTONE - Gray, Thick Bedded, Slightly Weathered, Hard, with Slight Dip and occasional Fractured Layers							100	94
35										100	82

REMARKS: * Split-spoon sampler advanced 1.5' by static weight of hammer. ** A water stratum was encountered at 6.9'.

JOB NO. FA6713 Sharp County
 JOB NAME: South Big Creek Str. & Apprs.
 County Road 16
 STATION: 106+17
 LOCATION: Center Line of Construction
 LOGGED BY: Stanley Bates

DATE: April 14, 2015
 TYPE OF DRILLING: Hollow Stem Auger &
 EQUIPMENT: CME 850 w/ CME Automatic
 HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 40.1

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 293.8									
40											100	94
45			Boring Terminated									
50												
55												
60												
65												
70												

REMARKS: * Split-spoon sampler advanced 1.5' by static weight of hammer. ** A water stratum was encountered at 6.9'.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 3
PAGE 1 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 106+82
LOCATION: Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 15, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 49.3

DEPTH FT.	S Y M B O L	S A M P L E S	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R O D
			SURFACE ELEVATION: 293.3									
5		X	Moist to Wet, Loose, Brown and Gray Sand with Clay							0 1-0		
10		X	Wet, Medium Dense, Brown Sand with Gravel							5 8-7		
15		X	Wet, Very Dense, Brown Sand with Gravel							42 62 (.01")		
20			DOLOSTONE - Brown, Thin Bedded, Slightly Weathered, Hard, with Steep Dip and Fractured Layers								100	0
25											60	26
30											52	0
35											48	0

REMARKS:

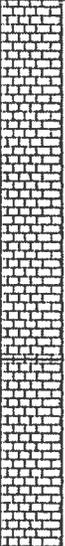
**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 3
PAGE 2 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 106+82
LOCATION: Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 15, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 49.3

DEPTH FT.	S Y M B O L	S A M P L E S	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 293.3									
40			DOLOSTONE - Brown, Medium Bedded, Slightly Weathered, Hard, with Steep Dip and Fractured Layers								92	40
45			DOLOSTONE - Gray, Thick Bedded, Slightly Weathered, Hard, with SLight Dip								92	38
50			Boring Terminated									100
55												
60												
65												
70												

REMARKS:

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 4A
PAGE 1 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 107+22
LOCATION: 12' Left of Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 21, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 64.6

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 294.5									
5			Moist, Very Loose, Gray and Brown Sand with Clay and some Organic Matter							1 1-1		
10			Moist, Medium Dense, Gray Sand with Clay and Gravel							1 1-12		
15			Moist, Very Loose, Gray Sand with Clay and Gravel							0 0-0*		
			Moist, Medium Dense, Gray Sand with Gravel									
20			DOLOSTONE WITH CLAY LAYERS - Gray and Brown, Weathered, Moderately Hard, with Fractured Layers							25 14-34 (2")		
			Cavity (23.4' to 23.7')								83	67
25			DOLOSTONE - Gray and Brown, Medium Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers								54	12
30			Cavity (29.3' to 31.9')									
35			DOLOSTONE - Gray and Brown, Medium Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers **								56	0

REMARKS: * Split-spoon sampler advanced 1.5' by static weight of hammer. ** Partial water loss was encountered at 33.2'.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 4A
PAGE 2 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 107+22
LOCATION: 12' Left of Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 21, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 64.6

DEPTH FT.	S Y M B O L	S A M P L E S	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 294.5									
40			DOLOSTONE - Gray and Brown, Medium Bedded, Slightly Weathered, Hard, with Slight Dip and occasional Fractured Layers								100	56
45											100	52
50				Cavity (48.6' to 52.8')								24
55			DOLOSTONE - Gray and Brown, Medium Bedded, Slightly Weathered, Hard, with Slight Dip and occasional Verticvally Fractured Layers								98	70
60												100
65			Boring Terminated									
70												

REMARKS: * Split-spoon sampler advanced 1.5' by static weight of hammer. ** Partial water loss was encountered at 33.2'.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 4B
PAGE 1 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 107+34
LOCATION: 2' Left of Center Line of Construction
LOGGED BY: Tracy Henderson

DATE: May 4, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 44.5

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R O D
			SURFACE ELEVATION: 294.0									
5			Sand with Gravel									
10			Gravel*									
15			Wet, Medium Stiff, Brown and Gray Sandy Clay with Gravel							9 5-3		
20			Wet, Very Dense, Brown and Gray Gravel (Dolostone Fragments) with Sandy Clay							31 33-40 (1")		
25			DOLOSTONE - Hard								100	100
			DOLOSTONE - Gray, Medium Bedded, Slightly Weathered, Hard, Slight Dip									
			DOLOSTONE - Gray, Medium Bedded, Slightly Weathered, Hard, Highly Fractured, Slight Dip								82	0
			Soil-Filled Cavity (25.0' to 25.9')									
30			DOLOSTONE - Gray, Medium Bedded, Slightly Weathered, Hard, Highly Fractured, Slight Dip								78	8
35												

REMARKS: * A water stratum was encountered at 11.1'.

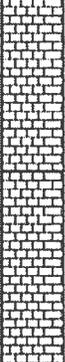
**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 4B
PAGE 2 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 107+34
LOCATION: 2' Left of Center Line of Construction
LOGGED BY: Tracy Henderson

DATE: May 4, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 44.5

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 294.0									
40			DOLOSTONE - Gray, Very Thick Bedded, Slightly Weathered, Hard, Slight Dip								94	12
45			Boring Terminated									
50												
55												
60												
65												
70												

REMARKS: * A water stratum was encountered at 11.1'.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 4C
PAGE 1 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 107+36
LOCATION: 23' Left of Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 21, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 44

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 294.3									
5			Moist, Very Loose, Brown Sand with Clay and some Organic Matter									
10			Moist, Loose, Brown Sand with Gravel									
			Wet, Medium Dense, Brown Sand with Gravel									
			Wet, Very Dense, Brown Gravel with Sand									
15			Boulder									
20			Wet, Loose, Brown Sand									
25			Wet, Loose, Brown Sand									
30			Wet, Very Soft, Brown Clay with Sand and Gravel (Dolostone Fragments)							0 0-0*		
35			Wet, Very Soft, Brown Clay with Sand and Gravel (Dolostone Fragments)									

REMARKS: * Split-spoon sampler advanced 1.5' by static weight of hammer.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 4C
PAGE 2 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 107+36
LOCATION: 23' Left of Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 21, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 44

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R O D
			SURFACE ELEVATION: 294.3									
40			Wet, Medium Dense to Dense, Sandy Gravel (Dolostone Fragments)									
45			Boring Terminated									
50												
55												
60												
65												
70												

REMARKS: * Split-spoon sampler advanced 1.5' by static weight of hammer.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 4D
PAGE 1 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 107+36
LOCATION: 13' Left of Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 20, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 63.2

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 294.2									
5		X	Moist, Very Loose, Brown Sand with Clay and some Organic Matter							1 1-1		
10		X	Wet, Very Loose, Brown Sand with Clay and some Organic Matter *							0 1-2		
15		X	Wet, Medium Dense, Brown Sand with Gravel with some Clay Seams							4 6-5		
20		X	DOLOSTONE - Gray and Brown, Hard							1 2-30 (3")		
			DOLOSTONE - Gray and Brown, Medium Bedded, Slightly Weathered, Hard, with Slight Dip								88	40
25			DOLOSTONE - Gray and Brown, Medium Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers								78	24
30			DOLOSTONE - Gray and Brown, Thin Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers								85	0
35												

REMARKS: Water level was 9.5' at 24 hrs. * A water stratum was encountered at 9.9'.

**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 4D
PAGE 2 OF 2

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 107+36
LOCATION: 13' Left of Center Line of Construction
LOGGED BY: Stanley Bates

DATE: April 20, 2015
TYPE OF DRILLING: Hollow Stem Auger &
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 63.2

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 294.2									
			Cavity (37.0' to 38.2')								76	0
40			DOLOSTONE - Gray and Brown, Thin Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers								18	0
45			Cavity (44.2' to 44.9')									
			DOLOSTONE - Gray and Brown, Thin Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers								36	24
			Cavity (45.7' to 48.2')									
50			DOLOSTONE - Gray and Brown, Thin Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers								42	0
			Cavity (50.5' to 51.6')									
			DOLOSTONE - Gray and Brown, Thin Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers									
55			Cavity (52.2' to 53.1')									
			DOLOSTONE - Gray and Brown, Medium Bedded, Slightly Weathered, Hard, with Slight Dip and Fractured Layers								100	28
60			DOLOSTONE - Gray and Brown, Thin Bedded, Slightly Weathered, Hard, with Slight Dip								100	78
65			Boring Terminated									
70												

REMARKS: Water level was 9.5' at 24 hrs. * A water stratum was encountered at 9.9'.

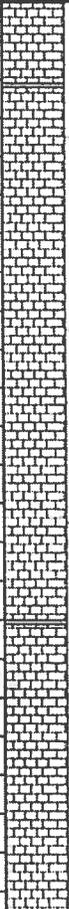
**ARKANSAS HWY. & TRANS. DEPARTMENT
MATERIALS DIVISION - GEOTECHNICAL SEC.**

BORING NO. 5
PAGE 1 OF 1

JOB NO. FA6713 Sharp County
JOB NAME: South Big Creek Str. & Apprs.
County Road 16
STATION: 108+67
LOCATION: 3' Right of Center Line of Construction
LOGGED BY: Tracy Henderson

DATE: May 6, 2015
TYPE OF DRILLING: Diamond Coring
EQUIPMENT: CME 850 w/ CME Automatic
HAMMER CORRECTION FACTOR: 1.23

COMPLETION DEPTH: 23.5

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R O D
			SURFACE ELEVATION: 298.0									
			DOLOSTONE - Gray, Thick Bedded, Hard, Slight Dip								94	86
			Cavity									
5			DOLOSTONE - Gray, Thick Bedded, Hard, Slight Dip								100	94
10			DOLOSTONE - Gray, Thick Bedded, Hard, Slight Dip								100	90
15			Cavity								100	100
20			DOLOSTONE - Gray, Thick Bedded, Slightly Weathered, Hard, with Slight Dip								100	100
25			Boring Terminated									
30												
35												

REMARKS: