BORING NUMBER B-4

Midwest Engineering and Testing Corporation

PROJECT NAME Proposed Eight Span Bridge Over Salt Fork Arkansas River, State Job No: 34561 (04)
METCO PROJECT NO.: OGR-24056
PROJECT LOCATION Woods County, Oklahoma
CLIENT Circuit Engineering District 8
DRILLING LOCATION Approx. Station 94+93.00, Approx 10.0' Rt of Proposed CL
GROUND ELEVATION 1281.70 ft
DATE STARTED 4/23/24 **COMPLETED** 4/23/24
GROUND WATER LEVELS:
LOGGED BY Kalyn Couch **CHECKED BY** Tareq
AT TIME OF DRILLING 33.00 ft / Elev 1248.70 ft
NOTES Subsurface conditions may significantly vary at other site locations. Difficulties may be encountered during construction due to the nature of subsirface formation
AT END OF DRILLING 33.00 ft / Elev 1248.70 ft
24hrs AFTER DRILLING 17.10 ft / Elev 1264.60 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Top of bridge Deck 6.0" Concrete										
5												
10												
15		Ground surface **SILTY SAND**, (SM) brown, loose to dense										
			SPT		2-1-1 (2)			12	NP	NP	NP	49
20			SPT		4-6-5 (11)			17	NP	NP	NP	13
25			SPT		5-25-50/6"			20	24	20	4	96
		SEVERELY WEATHERED SHALE, reddish brown, soft TC@ 26.5': 50/6.0", 20/6.0", 18/6.0"						24	28	16	12	83
			TCP		50/6"-20-18							
30												

(Continued Next Page)

FIGURE 8

GEOTECH BH COLUMNS - METCO 1.00.4.GPJ - 5/17/24 15:49 - V:\2024 REPORTS\OGR-24056\OGR-24056.GPJ

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DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
30		**SEVERELY WEATHERED SHALE**, reddish brown, soft *(continued)*	SPT		13-20-50/5"			14	28	20	8	94
		SHALE, reddish brown, soft to moderately hard TC@ 31.5': 50/3.0", 50/2.0"	TCP		100/5"			26	28	17	11	88
35		TC@ 36.5': 50/1.5", 50/1.0"	TCP		100/2.5"			25	29	17	12	90
40		**SHALE WITH SANDSTONE LAYERS**, reddish brown, moderately hard TC@ 41.5': 50/1.8", 50/0.5"	TCP		100/2.3"			25	27	15	12	81
45		TC@ 46.5': 50/2.0", 50/0.8"	TCP		100/2.8"			25	26	15	11	81
50		TC@ 51.5': 50/1.8", 50/0.5"	TCP		100/2.3"			24	27	15	12	78
55		**SANDY SHALE**, reddish brown, moderately hard to hard TC@ 56.5': 50/1.8", 50/0.5"	TCP		100/2.3"			25	24	14	10	67
60		TC@ 61.5': 50/1.3", 50/0.2"	TCP		100/1.5"			25	24	14	10	61
		Bottom of borehole at 61.5 feet.										

FIGURE 9

GEOTECH BH COLUMNS - METCO 1.00.4.GPJ - 5/17/24 15:48 - V:\2024 REPORTS\OGR-24056\OGR-24056.GPJ

WOODS COUNTY SALT FORK ARKANSAS RIVER

BORING LOG
B-4

J/P NO. 34561(04)

SHEET NO. B006