ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 132	*	MERCER	23	21
		ILLINOIS	BR-OS-131(44)	

* 97-06118-00-BR 89250

LOG OF BORING NO. B-1

Page 1 of 1

CLIENT: MERCER COUNTY ENGINEER
ENGINEER: MERCER COUNTY ENGINEER
SITE: EDWARDS RIVER, ALEDO, IL
PROJECT: MERCER COUNTY BRIDGE, SEC 97-06118-00-BR

Boring Location: Station 6+75, Centerline

Approx. Surface Elev.: 609.5 ft

DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf
12" Topsoil				HS					
SANDY LEAN TO FAT CLAY Gray, Brown Medium to Stiff	5	CL	1	SS	15	8	20.6		
				HS					
	10	CL/CH	2	SS	18	4	22.7		
				HS					
▽ 596.5	13								
FINE TO MEDIUM SAND, TRACE GRAVEL Brown Medium Dense	15	SP	3	SS	10	16	17.6		
				HS					
	20	SP	4	SS	10	19	12.7		
	22			HS					
587.5									
SANDY LEAN TO FAT CLAY (RESIDUAL SOIL) Gray Hard	25	CL/CH	5	SS	12	25	21.1		
				HS					
29.5 580									
WEATHERED SHALE*** Gray	30		6	SS	10	77	13.1		
				HS					
	35		7	SS	8	48/6" 50/2"	10.0		
40 569.5				HS					
BOTTOM OF BORING	40		8	SS	4	50/4"	13.8		

***Classification of rock materials has been estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Calibrated Hand Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft			
WL ▽ 13	W.S.	▽	
WL ▽		▽	
WL			

Terracon

BORING STARTED	7-7-99		
BORING COMPLETED	7-7-99		
RIG	#850	FOREMAN	SZ
APPROVED	WKB	JOB #	07995060

SOIL BORING # 97060000.GPJ TERRACON.GDT 7/29/99

LOG OF BORING NO. B-2

Page 1 of 1

CLIENT: MERCER COUNTY ENGINEER
ENGINEER: MERCER COUNTY ENGINEER
SITE: EDWARDS RIVER, ALEDO, IL
PROJECT: MERCER COUNTY BRIDGE, SEC 97-06118-00-BR

Boring Location: Station 7+00, Centerline

Approx. Surface Elev.: 610.5 ft

DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf
12" Topsoil				HS					
CLAYEY SAND Brown Loose	5	SC/CL	1	SS	10	5	20.1		
				HS					
9.5 601									
LEAN TO FAT CLAY Brown and Gray Medium	10	CL/CH	2	SS	15	5	25.4		
▽				HS					
16 594.5	15	CL	3	SS	10	12	23.6		
FINE TO COARSE SAND WITH GRAVEL Brown Medium Dense				HS					
22.5 588	20	SP	4	SS	10	16	9.3		
				HS					
SANDY LEAN TO FAT CLAY (RESIDUAL SOIL) Gray Very Stiff to Hard	25	CL/CH	5	SS	5	14	20.1		
				HS					
31 579.5	30	CL/CH	6	SS	12	34	16.8		
WEATHERED SHALE*** Gray				HS					
	35		7	SS	8	49/6" 50/2"	15.9		
40 570.5				HS					
BOTTOM OF BORING	40		8	SS	4	50/4"	13.6		

***Classification of rock materials has been estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Calibrated Hand Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft			
WL ▽ 12.5	W.S.	▽	
WL ▽		▽	
WL			

Terracon

BORING STARTED	7-7-99		
BORING COMPLETED	7-7-99		
RIG	#850	FOREMAN	SZ
APPROVED	WKB	JOB #	07995060

SOIL BORING # 97060000.GPJ TERRACON.GDT 7/29/99

LOG OF BORING NO. B-3

Page 1 of 1

CLIENT: MERCER COUNTY ENGINEER
ENGINEER: MERCER COUNTY ENGINEER
SITE: EDWARDS RIVER, ALEDO, IL
PROJECT: MERCER COUNTY BRIDGE, SEC 97-06118-00-BR

Boring Location: Station 7+86, Centerline

Approx. Surface Elev.: 609 ft

DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf
18" Topsoil				HS					
LEAN CLAY Gray Soft to Medium	5	CL	1	SS	4	3	28.7		
				HS					
▽ 9.5 599.5									
CLAYEY SAND Brown Very Loose	10	SC/CL	2	SS	10	2	27.9		
				HS					
Gray and medium dense below about 14 feet	15	SC/CL	3	SS	10	19	19.6		
				HS					
18 591									
SANDY LEAN TO FAT CLAY (RESIDUAL SOIL) Gray Very Stiff to Hard	20	CL/CH	4	SS	10	18	23.2		
				HS					
29.5 579.5	25	CL/CH	5	SS	10	43	14.7		
				HS					
WEATHERED SHALE*** Gray	30		6	SS	15	68	8.2		
				HS					
	35		7	SS	6	21/6" 50/2"	15.5		
40 569				HS					
BOTTOM OF BORING	40		8	SS	8	50/6"	13.3		

***Classification of rock materials has been estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Calibrated Hand Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft			
WL ▽ 8	W.S.	▽	
WL ▽		▽	
WL			

Terracon

BORING STARTED	7-7-99		
BORING COMPLETED	7-7-99		
RIG	#850	FOREMAN	SZ
APPROVED	WKB	JOB #	07995060

SOIL BORING # 97060000.GPJ TERRACON.GDT 7/29/99

SOIL BORING LOGS
SECTION 97-06118-00-BR
T.R. 132, STA. 7+74.00
MERCER COUNTY

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