STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
167	04-01225-00-BR	WILLIAMSON	16	12
STA 13+00		STA 18+50		
ROAD DIST.	ILLINOIS			

CONTRACT No. 99299

Illinois Department of Transportation
Local Roads
District 9 Materials

SOIL BORING LOG

Page 1 of 1

Date 08/09/04

ROUTE T.R. 167 DESCRIPTION T.R. 167 (PARTRIDGE ROAD) OVER I.C.G. RAILROAD LOGGED BY B.K.

SECTION _____ LOCATION 1 MILE W. SALINE COUNTY

COUNTY WILLIAMSON DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 100-9910
Station _____

BORING NO. 1-S
Station 25' E. OF E. ABUT
Offset 1.0' S. of Centerline
Ground Surface Elev. 96.9 EL

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6" ft)	UCS Qu (Tsf)	MOIST (%)
Multi A-1 over Crushed Aggregate	96.9				
Soft, very moist, brown, Silty Clay Loam A-6			1		
			1	0.3B	23
			1		
		5.0	WH		
			WH	0.3B	25
			WH		
Very stiff, moist, brown mottled grey, Silty Clay A-6	89.9		2		
			5	2.7S	17
			8		
Medium to stiff, moist brown mottled grey, Silty Clay Loam A-6	87.4	10.0	1		
			5	1.0B	19
			4		
Very stiff, moist, brown, silty clay A-6	84.9		1		
			4	2.1S	19
			4		
Stiff, moist, grey, Clay to Silty Clay A7-6	82.4	15.0	1		
			4	1.9B	21
			4		
Hard, moist, brown, Silty Clay A7-6	79.9		2		
			5	4.3B	20
			7		
		20.0	2		
			14	4.4S	15
			24		
Hard, dry, brown Clay Shale	74.9		100/6"		
Hard, dry, brown Clay Shale	69.4		100/1"		
Bottom of Hole = 27.5 ft.					
No free water observed					
Elevation referenced to Center of Existing Structure; Assumed Elevation = 100.0 ft.					
To convert "N" values to "N60" values multiply by 1.25					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Local Roads
District 9 Materials

SOIL BORING LOG

Page 1 of 1

Date 08/09/04

ROUTE T.R. 167 DESCRIPTION T.R. 167 (PARTRIDGE ROAD) OVER I.C.G. RAILROAD LOGGED BY B.K.

SECTION _____ LOCATION 1 MILE W. SALINE COUNTY

COUNTY WILLIAMSON DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 100-9910
Station _____

BORING NO. 2-S
Station 20' W. OF W. ABUT
Offset 2.0' S. of Centerline
Ground Surface Elev. 103.9 EL

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 75.3 ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (Tsf)	MOIST (%)
Multi A-1 over Crushed Aggregate	102.4				
Stiff, moist, brown mottled grey, Silty Clay Loam A-6			2		
			5	1.3S	21
			4		
		6.0	2		
			4	1.9S	23
			7		
			1		
			5	1.4S	21
			7		
Very stiff, moist, brown, Silty Clay A7-6	94.4	10.0	1		
			7	2.5S	19
			8		
Very stiff, moist, brown, mottled grey, Silty Clay A7-6 with some Gravel	91.9		2		
			5	2.6S	18
			9		
Stiff, moist, brown mottled grey, Gritty Clay A-6	89.4	15.0	1		
			4	1.5S	17
			6		
			1		
			5	1.6B	18
			6		
	84.4				
Hard, moist, brown mottled grey, Clay to Silty Clay A7-6		20.0	1		
			7	5.4B	16
			10		
			2		
			6	4.7S	20
			9		
	79.4				
Hard, dry, brown mottled grey, Weathered Clay Chate		25.0	1		
			16		
			38		
Hard, dry, brwon Clay Shale	76.9		2		
			100/9"		
Bottom of Hole = 28.5 ft.	75.4				
Free water observed at 28.5 ft.		30.0			
Elevation referenced to Center of Existing Structure; Assumed Elevation = 100.0 ft.					
To convert "N" values to "N60" values multiply by 1.25		35.0			
		44.0			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Datum Correlation

Elevation 100.00 = Elevation ±503.6
(Borings) (Plans)

BORING LOGS
TR 167 OVER
ICG RAILROAD
WILLIAMSON COUNTY
SECTION 04-01225-00-BR

HURST-ROSCHE ENGINEERS, INC.
CONSULTING ENGINEERS & ARCHITECTS
1805 INDUSTRIAL PARK DRIVE
MARION, ILLINOIS 62959

DESIGNED: MEB CHECKED: JSP
DRAWN: DEC CHECKED: MEB

\\Ds\Division\Design\Bridge\Log.dgn 3/27/2007 11:15:20 AM