ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 25
F.A.P. 328	(8BR-2) B-1	WAYNE	140	47	25 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract #74040

Illinois Department of Transportation
Division of Highways
Ill. Dept. of Trans. D-7

SOIL BORING LOG

Page _1_ of _1_

Date _8/17/05_

ROUTE _FAP 328 (US 45)_ DESCRIPTION _____ Raccoon Creek _____ LOGGED BY _E. Sandschafer_

SECTION _____ (8BR-2)B-1 _____ LOCATION _Sec 20 - E 1/2, Sec 21 - W 1/2_ SEC., TWP. 2 N, RNG. 7 E, 3 PM

COUNTY _____ Wayne _____ DRILLING METHOD _Hollow stem auger & split spoon_ HAMMER TYPE _____ Auto 140# _____

STRUCT. NO. _096-0019_
Station _888+60_

BORING NO. _3_
Station _889+53_
Offset _7.50 ft Rt_
Ground Surface Elev. _427.17_ ft

Surface Water Elev. _412.45_ ft
Stream Bed Elev. _409.98_ ft

Groundwater Elev.:
First Encounter _397.2_ ft
Upon Completion _Caved_ ft
After _____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
				8 1/2" Asphalt. 426.47		3 4	1.5 B	26
				9" Concrete pavement. 425.67				
	1			Medium, damp, brown mottled red, SILTY CLAY.		2		
	3 3	0.7 B	23			3 4	1.0 B	29
-5	0			422.17	402.67	0		
	0 2	0.4 B	27	Soft to very soft, very damp, gray, SILTY LOAM.	-25	2 2	0.6 B	28
	0					1		
	0 0	0.3 B	26		399.17	6 7	1.9 B	14
-10	0				397.67	0		
	0 0	0.1 B	24		-30	3 4		20
	0							
	1 0	0.1 B	27			0		
-15	0				392.67	30		
	0 0	0.4 B	34	Many wood fragments.	-35	50/3" 50/1"		7
	0			410.17	391.67			
	1 2	1.5 B	25	Brown, SANDY LOAM w/ many wood fragments. 408.97				
-20	2			Stiff, damp, gray/red, CLAY.	-40			

Right column descriptions:
- Stiff, damp, gray/red, CLAY. (continued)
- Medium, damp, dark brown, CLAY to SILTY CLAY w/ few wood fragments. 402.67
- Stiff, damp, gray, CLAY TILL. 399.17
- Loose, wet, gray, fine grained, SAND w/ few Sandstone fragments. 2% passing #200 sieve. 397.67
- Very dense, moist, gray, SANDY CLAY SHALE. 392.67
- Extent of exploration. 391.67
- Benchmark: RR spike in PP #299 in SW quadrant = 427.29' Provided by Bureau of Program Development.

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)

Latitude N 38 deg 33.788 min, Longitude W 88 deg 26.313 min., Map Datum WGS 84

DESIGNED _____
CHECKED _____
DRAWN _KLH_
CHECKED _EML_

HORNER & SHIFRIN, INC.
ENGINEERS

BORING LOGS
F.A.P. ROUTE 328 - SECTION (8BR-2)B-1
WAYNE COUNTY
STATION 888+60.00
STRUCTURE NO. 096-0067