

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 328	(8BR-2) B-1	WAYNE	140	46
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 24
25 SHEETS

Contract #74040



SOIL BORING LOG

Page 1 of 2

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. Station	BORING NO. Station	DEPTH H	B L	U C	M O	S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After Hrs.	Washed ft	Samples ft	DEPTH H	B L	U C	M O	S T	
																	(ft)
096-0019 888+60	1 887+65	0					412.45	409.98	407.3	407.3		0					
5" Asphalt 426.85																	
6" Concrete pavement. 426.05																	
Stiff to soft, damp, brown to gray, SILTY LOAM.																	
		2										2					21
		3	1.2									3	1.1				23
		3	B									4	B				
		2										0					
		3	0.8									0	0.6				22
		3	B									3	B				
		0										0					
		0	0.3									1	0.2				22
		2	B									2	B				
		1										1					
		2	0.6									6					22
		3	B									10					
		2															
		3	0.5									3	0.5				25
		3	B									3	B				
		0										0					
		1	0.2									1	0.2				21
		2	B									2	B				
		0										0					
		0	0.2									0	0.2				23
		2	B									2	B				
		2															
		2															

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)



ROCK CORE LOG

Page 2 of 2

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 CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. Station	BORING NO. Station	DEPTH H	CORING BARREL TYPE & SIZE	RECOVERED CORRECTION	CORE Diameter	S T R E N G T H
096-0019 888+60	1 887+65	0	NW, conv dbl bbl, split inner		2.06 in	
Top of Rock Elev. 392.75 ft						
Begin Core Elev. 392.15 ft						
Ground Surface Elev. 427.25 ft						
		0			392.15	
		4			391.75	
Gray, SANDY CLAY SHALE.						
Hard, gray, SANDSTONE, not easily scratched.						
		388.25				
Gray, SANDY CLAY SHALE.						
		387.75				
Hard, gray, SANDSTONE, scratched easier than above, broken into many 2" layers.						
		40				
		100			0	0.4
Extent of exploration.						
		45				
Benchmark: RR spike in PP #299 in SW quadrant = 427.29' Provided by Bureau of Program Development.						
		50				
		55				

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 8/18/05

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. Station	BORING NO. Station	DEPTH H	B L	U C	M O	S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After Hrs.	Washed ft	Samples ft	DEPTH H	B L	U C	M O	S T	
																	(ft)
096-0019 888+60	2 888+90	0					412.45	409.98	399.9	405.9		0					
Ground Surface Elev. 416.86 ft																	
Brown to gray, SILTY CLAY.																	
4% passing #200 sieve.																	
		2										2					21
		5										5					13
		5	4.5									5	4	12			6
		4	PP									4	PP				
Hard, very moist, brown mottled red, CLAY.																	
		5										5					
		5	0.3									5	0.3				21
		3	PP									3	PP				
Soft to medium, very damp, gray, SILTY LOAM.																	
		3										3					
		3	0.8									3	0.8				23
		3	B									3	B				
		0										0					
		0	0.1									0	0.1				21
		1	B									1	B				
		1										1					
		3	1.0									3	1.0				22
		3	B									3	B				
Stiff, damp, gray mottled red, CLAY w/ trace Sil.																	
		2										2					
		4	1.4									4	1.4				13
		5	B									5	B				
Stiff, damp, gray, SANDY CLAY.																	
		0										0					
		3										3					
		6										6					
		0										0					
		3										3					
		6										6					
		0										0					
		0										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)

DESIGNED	
CHECKED	
DRAWN	KLH
CHECKED	EML

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

