BLOCK NAME
NORTHR
PARKLEY
SCTATPAR
FLORNOTL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
592	121-1R, 121HVB	ST. CLAIR	239	158
F.H.W.A. REGION 7	ILLINOIS	FED. AID PROJECT		

SHEET NO.: 22
SHEETS: 23

ILLINOIS DEPARTMENT OF TRANSPORTATION

District Eight Materials

Sheet 1 of 3

Date 12/1/00 & 12/4/00

PROJECT	FAP 592	DESCRIPTION	Alternate Route 5
ROUTE	Illinois Route 157	LOCATION	Cahokia Illinois
SECTION	121RS-2	DRILL METHOD	CME 75 Drill Rig/Hollow stem auger (4.25")
COUNTY	St. Clair County	HAMMER TYPE	Automatic Hammer
STRUCTURE NO.		Drilled By	Harriss Drillings Svcs
		Checked By	SCI

Boring No.: B-111
Station: 5030+21
Offset: 19.8 RT.
Ground Surface El. 406.6 ft.

Surface Water Elevation:
Groundwater Elevation:
First Encountered: 396.1
Upon Completion:
After 24 Hours: 396.4/Collapse @ 395.2
Mud Rotary Start @ Elevation: 391.6

Description	Depth (ft) El.	N	Qu t/sf	W %
3" TOPSOIL	406.35			
Brown high plastic CLAY (A-7) w/ little roots		4	4.5 P	
		4		28
	404.6	4	2.0 P	
Gray and brown high plastic CLAY (A-7) LL - 82, PL - 29, PI - 53		3		
		5	2.42 S	27
	5	6		
		2		
		2	2.5 P	29
		3		
	398.6			
Brown and gray low plastic CLAYEY SILT (A-4)		0		
		2	0.75 B	39
	10	2		
GW	396.1			
Brown, medium dense, fine to medium SAND (A-3)		6		
		7		
		8		
	393.6			
Brown, medium dense, fine to medium SAND w/ little coarse sand (A-3)		3		
		4		
	15	7		
	391.1			
Brown, medium dense, fine to medium SAND		9		
		9		
		10		
		7		
		8		
	20	11		
	386.1			
Brown, dense, fine to medium SAND (A-3)		8		
		15		
		17		
	383.6			
Medium dense, fine brown SAND (A-3)			12	
			10	
	25		10	
	381.1			
Brown, medium dense, fine to medium SAND w/ trace gravel (A-3)			6	
			9	
			10	
	378.6			
Gray, dense, fine SAND (A-3)			12	
			14	
	30		16	
	374.6			
Gray, dense, fine to medium SAND w/ little gravel (A-1-b)			10	
			15	
	35		20	
	370.1			
Gray, dense, fine SAND (A-3)			13	
			20	
	40		21	
	362.6		11	
Gray, medium dense, fine to medium SAND w/ trace gravel (A-1-a)			11	
	45		7	

Standard Penetration Test (N-value) - Blows per foot to drive 2-inch O.D. split spoon sampler 12-inches with a 140# Hammer falling 30-inches. Failure Type: B-Bulge; S-Shear; P-Penetrometer Test; E-Estimated
Qu - Unconfined Compressive Strength (t/sf)
W - water content (percentage of oven dry weight - %)
AASHTO Designations are estimated unless determined by laboratory analysis

ILLINOIS DEPARTMENT OF TRANSPORTATION

District Eight Materials

Sheet 2 of 3

Date 12/1/00 & 12/4/00

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After 24 Hours: 396.4/Collapse @ 395.2
Mud Rotary Start @ Elevation: 391.6

Description	Depth (ft) El.	N	Qu t/sf	W %
	360.1			
Gray, medium dense, fine to medium SAND w/ trace gravel & coarse sand (A-1-b)				
		8		
		8		
	50	9		
		7		
		12		
	55	17		
	349.6			
Gray, dense, fine to medium SAND (A-3)		13		
		17		
	60	21		
	344.6			
Gray, medium dense, fine to medium SAND (A-3)		9		
		14		
	65	13		
	341.1			
Brown, dense, fine to coarse SAND w/ trace gravel (A-1-b)			13	
			15	
GRAVELY per driller's observations from 71'-72'	70		16	
	334.6			
Brown, dense, fine to coarse SAND w/ trace gravel (A-1-b)			10	
			14	
	75		16	
	326.6			
Brown, very dense, fine to medium SAND (A-3)	80			
			34	
			58	
	85		100	
	90			

Standard Penetration Test (N-value) - Blows per foot to drive 2-inch O.D. split spoon sampler 12-inches with a 140# Hammer falling 30-inches. Failure Type: B-Bulge; S-Shear; P-Penetrometer Test; E-Estimated
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SOIL BORING LOGS
F.A.P. 592 (IL Rte. 157) OVER
UNION PACIFIC RAILROAD
SECTION 121-1R, 121HVB
ST. CLAIR COUNTY
STATION 5029+64.85
STRUCTURE NO. 082-0303

PLOT DATE = 03/21/2007
FILE NAME = H:\P2\2005\Microstat\Structs\0303borings\t2.dgn
PLOT SCALE = 1.0000 IN / IN.
USER NAME = $USER$