BLOCK NAME
NORTHB PARKLEY SCTATPAR FLGNGTL

Contract #76267

F.A.P. RTE.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
592	121-1R, 121HVB	ST. CLAIR	239	155
F.H.W.A. REGION 7	ILLINOIS	FED. AID PROJECT		

SHEET NO.: 19
SHEETS: 23

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION

District Eight Materials

Sheet 3 of 3

Date 12/12/00, 12/15/00, & 12/18/00

PROJECT	FAP 592	DESCRIPTION	Alternate Route 5
ROUTE	Illinois Route 157	LOCATION	Cahokia, Illinois
SECTION	121RS-2	DRILL METHOD	CME 750 Drill Rig/Hollow stem auger (4.25)
COUNTY	St. Clair County	HAMMER TYPE	Cathead Hammer
STRUCTURE NO.		Drilled By	Harriss Drillings Svcs
		Checked By	SCI

Boring No.: B-108
Station: 5028+49
Offset: 31.8 LT.
Ground Surface El. 408.8 ft.

Surface Water Elevation:
Groundwater Elevation:
First Encountered: 395.8
Upon Completion:
After 24 Hours: 395.6/Collapse @ 394.6
Mud Rotary Start @ Elevation: 393.8

Depth (ft) El.	N	Qu t/sf	W %	Depth (ft) El.	N	Qu t/sf	W %
Brown, very dense, fine to medium SAND 318.8							
w/ little gravel (A-1-b)							
				115			
	14						
95	41						
	46						
				120			
GRAVELY per driller's observation from 99'-100' 100							
& loosing drilling mud							
				125			
	15						
	23						
105	30						
302.8				Observation of washed cuttings indicated			
COBBLES and BOULDERS from 106' to 106.5'				LIMESTONE fragments w/ some fine GRAVEL -			
301.8				Driller noted 700lbs. of down pressure			
Refusal @ 107'				during drilling from 106' to 106.5'.			
				130			
110							
				135			

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 1 of 1

Date 12/21/00

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
COUNTY	St. Clair County	HAMMER TYPE	Automatic Hammer
STRUCTURE NO.		Drilled By	Harriss Drillings Svcs
		Checked By	SCI

Boring No.: B-108 ST
Station: 5028+43
Offset: 21.9 LT.
Ground Surface El. 409.1 ft.

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

Depth (ft) El.	N	Qu t/sf	W %	Depth (ft) El.	N	Qu t/sf	W %
Brown low plastic SILTY CLAY- FILL (A-6)							
w/ little sand & gravel			19				
407.6							
Gray high plastic CLAY- FILL (A-7) 407.1		0.95	27				
Gray and brown high plastic CLAY - FILL (A-7)				25			
		1.22	47				
405.1							
Gray and brown high plastic CLAY (A-7)		0.75	33				
404.1	5						
Gray and brown low plastic SILTY CLAY (A-6)		0.51	33				
403.1							
Gray and brown low plastic SILTY CLAY (A-4)		0.56	34				
w/ little sand		0.50	33	30			
		0.35	36				
		0.64	31				
399.1	10						
Brown fine CLAYEY SAND (A-2)		0.77	34				
		0.70	37				
397.1							
Boring terminated @ 12'				35			
15							
				40			
20							
				45			

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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:\P_2005\Morrison\Struct\0303boringhi.dgn
PLOT SCALE = 1.0000 IN / IN.
USER NAME = $USER$