

F.A.P. RTE.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
592	121-1R, 121HVB	ST. CLAIR	239	157
F.H.W.A. REGION 7		ILLINOIS FED. AID PROJECT		

SHEET NO.: 21
SHEETS: 23

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Eight Materials

Sheet 3 of 3
Date 12/8/00 & 12/11/00



PROJECT FAP 592
ROUTE Illinois Route 157
SECTION 121RS-2
COUNTY St. Clair County
STRUCTURE NO.

DESCRIPTION Alternate Route 5
LOCATION Cahokia, Illinois
DRILL METHOD CME 750 Drill Rig/Hollow stem auger (4.25)
HAMMER TYPE Cathead Hammer

Drilled By Harriss Drillings Svcs
Checked By SCT

Boring No.: B-109
Station: 5028+76
Offset: 29.5 RT.

Surface Water Elevation:
Groundwater Elevation:
First Encountered: 394.4
Upon Completion:
After 24 Hours: 398.5/Collapse @ 397.1
Mud Rotary Start @ Elevation: 392.9

Depth (ft) El.	N	Qu t/sf	W %	Depth (ft) El.	N	Qu t/sf	W %
Ground Surface El. 407.9 ft.							
316.9							
Brown, very dense, fine to coarse SAND w/ little gravel (A-1-b)				115			
GRAVELY per driller's observation's from 90'-93.5'							
	16						
	41						
	95	50/3"					
GRAVELY per driller's observation from 95' to 103' and loosing drilling mud		45/3"					
				120			
308.9							
Gray, very dense, fine to medium SAND w/ some gravel (A-1-b)							
	100						
				125			
	4						
	23						
302.9	105	50/3.5"					
Split spoon refusal @ 105'		50/1.5"					
				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

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:\V\21015\Microstat\Struct\0323borr.rngsh.txdgn
PLOT SCALE = 1:80000 IN / IN.
USER NAME = #USERS