

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
592	121-1R, 121HV8	ST. CLAIR	239	154
F.H.W.A. REGION 7			ILLINOIS FED. AID PROJECT	

ILLINOIS DEPARTMENT OF TRANSPORTATION

Sheet 1 of 3



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

DESCRIPTION: District Eight Materials
LOCATION: Alternate Route 5
DRILL METHOD: CME 750 Drill Rig/Hollow stem auger (4.25)
HAMMER TYPE: Cathead Hammer
Date: 12/12/00, 12/15/00, & 12/18/00

Drilled By: Harris Drillings Svcs
Checked By: SCI

Boring No.: B-108
Station: 5028+49
Offset: 31.8 LT.

Ground Surface El.	Depth (ft) El.	N	Qu t/sf	W %	Description	Depth (ft) El.	N	Qu t/sf	W %	Surface Water Elevation:	
										Groundwater Elevation:	First Encountered:
408.8	408.55				3" TOPSOIL (A-7)	385.8					395.8
	3				Brown high plastic CLAY - FILL (A-7)	10					394.6
	6	2.5	P	36		14					
	14				Gray, medium dense, fine SAND w/ some silt (A-2)	20					
	25					12					
	35	1.37	B	35		9					
	42.8					9					
	1				Brown high plastic CLAY (A-7)	9					
	2					11					
	3	0.91	B	36	Gray, medium dense, fine to medium SAND w/ trace gravel (A-3)	30					
	1					9					
	2					11					
	3					9					
	10				Brown and gray low plastic SILTY CLAY (A-4) w/ little sand						
	1										
	2	1.25	P	35							
	10										
	1				Brown fine CLAYEY SAND (A-2)						
	3					12					
	2					14					
	2	0	P	32		35					
	15					15					
	3				GW						
	3				Brown, medium dense, fine to medium SAND (A-3)						
	8										
	15										
	6					9					
	8					15					
	9					40					
	13										
	9										
	10										
	12										
	20										
	18										
	9				Brown, medium dense, fine to coarse SAND (A-3)						
	10					11					
	12					12					
	18					45					

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

Sheet 2 of 3



PROJECT: FAP 592
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SECTION: 121RS-2
COUNTY: St. Clair County
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DESCRIPTION: District Eight Materials
LOCATION: Alternate Route 5
DRILL METHOD: CME 750 Drill Rig/Hollow stem auger (4.25)
HAMMER TYPE: Cathead Hammer
Date: 12/12/00, 12/15/00, & 12/18/00

Drilled By: Harris Drillings Svcs
Checked By: SCI

Boring No.: B-108
Station: 5028+49
Offset: 31.8 LT.

Ground Surface El.	Depth (ft) El.	N	Qu t/sf	W %	Description	Depth (ft) El.	N	Qu t/sf	W %	Surface Water Elevation:	
										Groundwater Elevation:	First Encountered:
408.8	362.8				Gray, very dense, fine SAND (A-3)	340.8					395.8
	33					33					394.6
	53					53					
	70					70					
	48										
	14				COAL noted in washed cuttings from 45'-48.5'						
	14										
	21										
	14										
	50										
	357.3				GRAVELY per driller's observation from 72'-73.3' & losing drilling mud						
	36										
	18				Gray, loose, fine to coarse SAND (A-3) w/ little fine gravel & little wood fragments (wood fragments noted in washed cuttings from 50'-53.5')	334.8					
	14				Gray, dense, fine to coarse SAND (A-1-a) w/ trace gravel	75					
	5										
	4										
	55				GRAVELY per driller's observation 75'-80' & losing drilling mud						
	351.8										
	80				Gray, dense, fine SAND (A-3)	328.8					
	10				Gray, medium dense, fine to coarse SAND w/ little gravel (A-1-b)						
	17										
	60										
	18										
	24										
	11										
	85										
	18				Gray, medium dense, fine to medium SAND (A-3)						
	7				Loosing drilling mud per driller's observation from 85' to 90'						
	10										
	65										
	10										
	GRAVELY per driller's observation from 66'-68.5'										
	90				GRAVELY per driller's observation from 90'-93.5'						

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SOIL BORING LOGS
 F.A.P. 592 (IL Rte. 157) OVER
 UNION PACIFIC RAILROAD
 SECTION 121-1R, 121HV8
 ST. CLAIR COUNTY
 STATION 5029+64.85
 STRUCTURE NO. 082-0303

PLOT DATE = 03/21/2007
 FILE NAME = H:\V\ZIBIS\Microstat\Struct\B308bor-log-in.txt
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = RUSBER