

SOIL BORING

Reference Station 2262+45 = PR ζ Station 1119+07.20



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 4/28/05

ROUTE FAP 303 DESCRIPTION P92-123-00 IL 173 backslope, 160' left of Centerline LOGGED BY W. Garza

SECTION 129 R LOCATION Harlem Twp. - 22 NW, SEC. , TWP. 45N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____
Station 2262+45

BORING NO. B-1c
Station 2262+45
Offset 130.00ft Lt prop CL
Ground Surface Elev. 829.2 ft

SOIL DESCRIPTION	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:	
					ft	ft	ft	ft	ft	ft
MEDIUM brown SANDY LOAM			0.8	12						
	827.20									
MEDIUM tan fine SAND with medium GRAVEL		7								
	825.70	5								
		8								
MEDIUM tan SAND and medium GRAVEL		8								
	823.20	9								
		12								
DENSE tan weathered LIMESTONE		12								
	820.70	11								
		29								
VERY DENSE tan weathered LIMESTONE		100/4"								
	818.20									
VERY DENSE tan weathered LIMESTONE		100/9"								
	815.70									
DENSE tan weathered LIMESTONE		8								
	813.20	24								
		21								
DENSE tan weathered LIMESTONE		20								
	810.70	16								
		19'								
	-20									

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 PROBES COMPLETED – JANUARY, 2012

STATION	OFFSET	GROUND ELEVATION	FIRST ENCOUNTER ELEVATION	AUGER REFUSAL DEPTH
1115+95	45' LT	813.3	-	NO ROCK TO 803.3
1115+95	130' LT	811.9	-	NO ROCK TO 801.9
1119+05	50' LT	823.6	-	NO ROCK TO 813.6
1119+05	110' LT	829.2	822.7	NO REFUSAL TO 808.2
1120+00	70' LT	833.0	827.0	NO REFUSAL TO 813.0
1121+00	85' LT	832.8	-	REFUSAL AT 814.7
1122+00	50' LT	823.6	817.6	NO REFUSAL TO 813.6
1122+00	100' LT	827.1	818.1	NO REFUSAL TO 807.1
1125+82	CL	823.9	-	NO ROCK TO 812.9
1125+82	43' LT	822.8	-	NO ROCK TO 811.8