



Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 3

Date 4/28/06

ROUTE FAP 585 DESCRIPTION P92-049-06 IL 92 bridge over Main Union Ditch, 1.0 m. W. of IL 78, 3/4 m. W. of Countryman Road LOGGED BY W. Garza

SECTION 128 BR LOCATION Yorktown Twp. - 7 SE, SEC., TWP. 18N, RNG. 5E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	DEPTH	BLOW S	UCS Qu	MOIST T	Surface Water Elev.				Groundwater Elev.:				
					(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	
470+54					88.6				86.4				
B-1					87.4				86.4				
471+05													
14.00ft Lt CL													
99.4													
MEDIUM dark brown SILTY CLAY LOAM			0.5 P	43									
96.90		1											
STIFF dark brown LOAM		4	1.1 P	37									
		4											
94.90													
LOOSE brown fine SAND													
		1											
		3											
92.90		4											
VERY LOOSE/LOOSE brown fine SAND													
		2											
		2											
90.40		2											
VERY LOOSE/LOOSE brown fine SAND													
		3											
		2											
87.90		2											
LOOSE gray/tan fine SAND													
		2											
		3											
85.40		4											
LOOSE brown fine SAND													
		2											
		2											
82.90		3											
LOOSE gray fine SAND													
		1											
		2											
80.40		4											

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)

Note:
In the above logs, groundwater elevations are at the time the boring was taken.



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					(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	
470+54					88.6				86.4				
B-1					87.4				86.4				
471+05													
14.00ft Lt CL													
99.4													
Wash MEDIUM gray fine SAND with CLAY lens		10											
		11											
		7											
57.40													
Wash STIFF gray CLAY LOAM		4											
		5	1.2 B	26									
		7											
55.40													
VERY STIFF gray CLAY LOAM													
		2											
		5	2.7 B	28									
		6											
52.90													
Wash VERY STIFF gray CLAY LOAM		3											
		4	2.1 S	25									
		6											
50.40													
VERY STIFF gray CLAY LOAM													
		1											
		4	2.3 B	29									
		6											
47.90													
Wash STIFF gray CLAY		4											
		6	1.8 S	30									
		7											
45.40													
VERY STIFF gray CLAY													
		5											
		8	3.1 B	30									
		8											
42.90													
Wash VERY STIFF gray CLAY		7											
		8	2.4 S	31									
		9											
40.40													

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)

Soil Boring Log Station and Elevation Shift
Boring Log Station + 15513.67' = Plan Set Station
Boring Log Elevation + 512.02' = Plan Set Elevation

FILE NAME = s:\p1\6308-6398\6346\027\microso\final\plena\structural\037\0174-64C20-01B-SBL.dgn



1170 SOUTH HOBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = brienf	DESIGNED MJD	REVISED -
CHECKED AJS	REVISED -	
DRAWN BJF	REVISED -	
CHECKED RRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG (SHEET 1 OF 3)
STRUCTURE NO. 037-0174
SHEET NO. 18 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
585	128 BR	HENRY	106	62
CONTRACT NO. 64C20				
ILLINOIS FED. AID PROJECT				