BORING LOGS
STA. 304 + 93
SN 081-1032

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 6/8/07

ROUTE FAS 221 DESCRIPTION P92-123-07 Box culvert on IL 94, 1.7 m. s. of IL 192 & Taylor Ridge LOGGED BY J. Strating

SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19SW, SEC. , TWP. 16N, RNG. 2W

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

STRUCT. NO.
Station 647+75

BORING NO. B-1j
Station 647+49
Offset 9.00ft Lt CL
Ground Surface Elev. 99.50 ft

Surface Water Elev. ft
Stream Bed Elev. 88.60 ft

Groundwater Elev.:
First Encounter 77.0 ft ▼
Upon Completion 69.5 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
15" Asphalt					
MEDIUM gray/brown SILTY CLAY LOAM	97.00		1 2 3	1.0 P	25.0
MEDIUM tan/brown SILTY CLAY LOAM	95.50	-5	2 2 3	0.7 B	26.0
MEDIUM gray/brown SILTY LOAM	93.00	-10	1 2 4	1.0 P	22.0
MEDIUM gray/brown SILTY LOAM	90.50	-15	1 2 3	0.6 B	28.0
STIFF dark gray SILTY CLAY LOAM	88.00	-20	2 2 4	1.4 B	28.0
MEDIUM gray SILTY LOAM	85.50	-25	2 2 4	0.8 B	27.0
MEDIUM gray SILTY CLAY with ORGANICS	82.50	-30	1 2 4	0.6 B	28.0
STIFF tan LOAM TILL	80.50	-35	1 2 6	1.9 B	13.0
HARD gray LOAM TILL with SAND lens	78.00	-40	12 16 19	9.7 S	9.0
HARD gray LOAM TILL with SAND and SILT lenses	75.50		14 24 25		10.0
HARD gray/brown CLAY LOAM TILL	73.00		9 13 18	6.8 B	12.0
HARD tan/brown CLAY LOAM TILL	70.50		8 12 18	6.1 B	12.0
HARD tan/brown CLAY LOAM TILL	68.00	▽-30	7 13 16	4.7 B	13.0
End of Boring					

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)

Illinois Department of Transportation
Division of Highways
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SOIL BORING LOG

Page 1 of 1

Date 6/12/07

ROUTE FAS 221 DESCRIPTION P92-123-07 box culvert on IL 94, 1.7 m. s. of IL 192 & Taylor Ridge LOGGED BY W. Garza

SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19SW, SEC. , TWP. 16N, RNG. 2W

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

STRUCT. NO.
Station 647+73.5

BORING NO. B-2j
Station 647+90
Offset 13.00ft Rt CL
Ground Surface Elev. 99.60 ft

Surface Water Elev. ft
Stream Bed Elev. 88.60 ft

Groundwater Elev.:
First Encounter 77.6 ft ▼
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder Rock					
MEDIUM brown SILTY CLAY LOAM	97.60		1 3 3	0.6 P	17.0
STIFF gray/tan SILTY CLAY LOAM	96.10	-5	1 3 3	1.1 P	21.0
SOFT brown SILTY LOAM	93.60	-10	1 1 3	0.4 B	30.0
MEDIUM brown SILTY LOAM	91.10	-15	1 2 3	0.6 B	27.0
STIFF black SILTY CLAY LOAM	88.60	-20	1 3 4	1.5 B	30.0
STIFF gray SILTY CLAY	86.10	-25	1 3 4	1.5 B	27.0
MEDIUM gray SILTY CLAY	83.10	-30	1 2 2	0.5 B	31.0
STIFF gray LOAM TILL with SAND lens	81.10	-35	1 3 8	1.9 B	12.0
		-40	5		
HARD gray SANDY LOAM TILL with SAND lens (continued)	78.60		9 12	4.8 S	11.0
HARD gray LOAM TILL	76.10		10 16 22	7.2 S	9.0
HARD gray SANDY LOAM TILL with SAND lens	73.60		11 11 14	5.2 S	10.0
HARD tan/brown CLAY LOAM TILL	71.10		7 10 14	5.8 B	13.0
HARD tan/brown CLAY LOAM TILL	68.60		5 9 12	5.0 B	13.0
HARD tan CLAY LOAM TILL	66.10		5 9 15	4.1 B	13.0
End of Boring					

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)

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME = c:\pw_work\pwidot\grantpm\d0184077\D212307-sht-logs.dgn	USER NAME = grantpm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Jun 23 08:10:25 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	80

CONTRACT NO. 64D72

ILLINOIS FED. AID PROJECT