STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 545	114T-1	CARROLL	118	37
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 05
05 SHEETS

Contract # 64C31

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 6/1/06

ROUTE IL 72 DESCRIPTION P92-073-06 Box culvert, IL 72 over ditch, .1 m. W. of Goldmine Road LOGGED BY W. Garza

SECTION LOCATION , SEC. , TWP. , RNG.

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

STRUCT. NO. 008-1003
Station

BORING NO. B-2f
Station 13' W. of Culv. CL
Offset 10.00ft N CL
Ground Surface Elev. 99.0 ft

Surface Water Elev. ft
Stream Bed Elev. 92.0 ft

Groundwater Elev.:
First Encounter 76.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM			0.5 P	16
	96.50			
STIFF brown LOAM		6 3 6	1.6 P	23
	95.00			
	-5			
MEDIUM brown LOAM		1 2 4	0.8 P	28
	92.50			
STIFF gray SILTY CLAY LOAM		2 3 5	1.9 B	26
	90.00			
	-10			
MEDIUM gray SILTY CLAY LOAM		1 3 3	0.7 B	28
	87.50			
MEDIUM tan SANDY LOAM TILL		1 3 4	0.6 P	18
	85.00			
	-15			
VERY STIFF tan/gray SILTY CLAY with SAND lens		2 3 7	2.5 B	23
	82.50			
MEDIUM light brown SILTY LOAM		2 4 4	0.6 B	27
	80.00			
	-20			
STIFF gray SILTY CLAY		1 3 5	1.9 B	25
	77.00			
MEDIUM tan dirty SAND & GRAVEL		1 6 7		
	75.00			
	-25			
LOOSE tan dirty SAND & GRAVEL		2 2 7		
	72.50			
LOOSE tan dirty SAND & GRAVEL		3 4 5		
	70.00			
	-30			
MEDIUM tan SAND & GRAVEL		7 9 12		
	67.50			
Wash MEDIUM tan medium coarse SAND		9 14 12		
	65.00			
	-35			
Wash LOOSE/MEDIUM tan fine SAND		4 5 5		
	62.00			
Wash SOFT gray SILT		1 1 2	0.3 P	28
	60.00			
	-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)

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Page 2 of 2

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First Encounter 76.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT gray SILT		1 2 4	0.3 P	28
	57.50			
End of Boring				
	-45			
	-50			
	-55			
	-60			

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)

DESIGNED	ASP
CHECKED	WSP
DRAWN	BGC
CHECKED	ASP

200

EXAMINED

PASSED

ENGINEER OF BRIDGE DESIGN

ENGINEER OF BRIDGES AND STRUCTURES

BORING LOG
F.A.P. 545 (IL. RTE. 72)
SECTION 114T-1
CARROL COUNTY
STATION 313+79.80
STRUCTURE NO. 008-1092