Illinois Department of Transportation
Division of Highways
IDOT - Region 3/Dist 5

SOIL BORING LOG

Date 4/14/10

ROUTE FAP 711 (IL 119) DESCRIPTION Box Culvert on IL 119 - 1 Mile SE of Alvin LOGGED BY CNA

SECTION 116CR LOCATION SW, SEC. 10, TWP. 21N, RNG. 11W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-8036
Station 889+37

BORING NO. 1 SW Boring
Station 889+27
Offset 15.0 ft Rt.
Ground Surface Elev. 100.9 ft

Surface Water Elev. ft
Stream Bed Elev. 97.4 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gravel - Shoulder Stone	99.9			
Brown Sand Loam (Embankment)	97.9			
Brown/Gray Mottled Silty Clay Loam		2		
		2 2	1.3 B	23
	95.9 -5			
Brown Clay Loam Till		2		
		3 3	2.3 B	17
	91.9	4		
Brown to Gray Clay Loam Till	-10	9 12	6.3 S	14
	89.9			
Gray Clay Loam Till		5		
		10 13	6.3 S	15
	85.9 -15			
End of Boring	-20			

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An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
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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SOIL BORING LOG

Date 4/14/10

ROUTE FAP 711 (IL 119) DESCRIPTION Box Culvert on IL 119 - 1 Mile SE of Alvin LOGGED BY CNA

SECTION 116CR LOCATION SW, SEC. 10, TWP. 21N, RNG. 11W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-8036
Station 889+37

BORING NO. 2 NE Boring
Station 889+45
Offset 14.0 ft Lt.
Ground Surface Elev. 100.9 ft

Surface Water Elev. ft
Stream Bed Elev. 97.4 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder Stone	99.9			
Brown Mottled Silty Clay Loam (Backfill)		2		
	96.9			
Brown/Gray Mottled Silty Clay Loam		2 2	1.0 E	28
	94.4 -5	1		
Brown Clay Loam Till		2 3	1.2 B	20
		6		
	-10	10 10	6.3 S	15
	87.4			
Gray Clay Loam Till		4		
		8 9	7.8 B	15
	85.9 -15			
End of Boring	-20			

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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)

SHEET 4 OF 5

FILE NAME = c:\pw_work\pwidot\bowerml\d0186764\70801 - sht-BoxCulverts.dgn	USER NAME = bowerml	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/30/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS FOR SN 092-8036

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116CR	VERMILION	50	22
		CONTRACT NO. 70801		
	ILLINOIS	FED. AID PROJECT		