Illinois Department of Transportation
Division of Highways
Wang Engineering

SOIL BORING LOG

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Date 6/26/07

ROUTE FAP 638 DESCRIPTION P92-065-07 IL 82 box culvert, 1.8 m. N. of Geneseo LOGGED BY W. Garza

SECTION 129 BR-4 LOCATION Geneseo Twp. - 4 SW, SEC. , TWP. 17N, RNG. 3E

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

STRUCT. NO. 037-1085
Station 1269+05.64

BORING NO. B-1b
Station 1268+98.64
Offset 45.00ft Rt CL
Ground Surface Elev. 589.20 ft

Surface Water Elev. 589.20 ft
Stream Bed Elev. 589.20 ft

Groundwater Elev.:
First Encounter 582.2 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
moist tan dirty SAND					12.0
	587.70				
VERY LOOSE tan moist fine SAND			1		
			2		
	585.70		3		
LOOSE gray fine SAND		-5	1		
			2		
	583.20		3		
MEDIUM gray fine SAND		▼	3		
			5		
	580.70		6		
MEDIUM gray clean medium coarse SAND		-10	3		
			5		
	578.20		7		
MEDIUM gray clean medium coarse SAND			3		
			5		
	575.70		7		
Wash MEDIUM gray clean medium coarse SAND		-15	3		
			7		
	573.20		10		
Wash MEDIUM gray clean medium coarse SAND			4		
			7		
	570.70		14		
		-20	8		
MEDIUM gray clean medium coarse SAND with GRAVEL *(continued)*			10		
	568.20		13		
Wash MEDIUM gray fine SAND			1		
			4		
	565.70		7		
Wash MEDIUM gray SAND & GRAVEL with bottom 4" CLAY LOAM TILL		-25	20		
			17		
	562.70		8		
Wash STIFF gray SILTY CLAY			5		
			9	1.5	20.0
	560.70		12	S	
VERY STIFF gray SILTY CLAY		-30	3		
			7	3.3	26.0
	557.70		8	B	
Wash MEDIUM gray fine SAND			5		
			12		
	555.70		16		
Wash VERY DENSE gray fine SAND		-35	16		
			20		
	553.20		31		
End of Boring		-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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SOIL BORING LOG

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Date 6/6/07

ROUTE FAP 638 DESCRIPTION P92-065-07 IL 82 box culvert, 1.8 m. N. of Geneseo LOGGED BY W. Garza

SECTION 129 BR-4 LOCATION Geneseo Twp. - 4 SW, SEC. , TWP. 17N, RNG. 3E

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

STRUCT. NO. 037-1085
Station 1269+05.64

BORING NO. B-2b
Station 1269+11.64
Offset 95.00ft Lt CL
Ground Surface Elev. 590.40 ft

Surface Water Elev. 589.20 ft
Stream Bed Elev. 589.20 ft

Groundwater Elev.:
First Encounter 580.9 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown LOAM					
				1.1	17.0
	588.90			P	
MEDIUM tan fine SAND			5		
			5		
	586.90		6		
VERY LOOSE tan moist fine SAND		-5	3		
			2		
	584.40		2		
	581.90				
VERY LOOSE gray moist fine SAND		▼ -10	1		
			2		
	579.40		2		
	576.90				
Wash MEDIUM gray clean medium coarse SAND		-15	5		
			7		
	574.40		10		
	571.90				
		-20	4		
MEDIUM gray clean medium coarse SAND *(continued)*			7		
	569.40		10		
	566.90				
Wash MEDIUM gray clean medium coarse SAND with GRAVEL		-25	4		
			5		
	564.40		12		
	561.40				
Wash VERY STIFF gray SILTY CLAY		-30	5		
			7	2.3	20.0
	559.40		12	S	
Wash HARD gray SILTY CLAY			7		
			9	4.1	19.0
	556.90		14	B	
VERY STIFF gray SILTY CLAY		-35	9		
			10	3.1	21.0
	554.40		13	B	
End of Boring		-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)

FILE NAME = $FILE$

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

USER NAME = $USER$	DESIGNED - TBP	REVISED -	
	DRAWN - TBP	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - ADB	REVISED -	
PLOT DATE = $DATE$	DATE - 07/16/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 037-1085

SCALE: | SHEET NO. 5 OF 5 SHEETS | STA. - TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	129BR-4	HENRY	93	55
		CONTRACT NO. 64D25		
		ILLINOIS FED. AID PROJECT		