

## **SOIL BORING LOG**

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**Date** 5/11/11 DESCRIPTION **FAI 74** ROUTE FAI 55 Business (SB) over FAI 74 (EB) LOGGED BY RJC South of Bloomington, **SEC.** 19, **TWP.** 23N, **RNG.** 2E, 3<sup>rd</sup> **PM** Latitude , Longitude **SECTION** (57-20HB-1)BR-1 LOCATION COUNTY McLean DRILLING METHOD HAMMER TYPE 057-0060 existing В 
 STRUCT. NO.
 057-0252 proposed

 Station
 57+97.32
Surface Water Elev. NA ft L 0 0 С С Station Stream Bed Elev. NA ft 0 S 0 S 1 W W S S BORING NO. B-6 N. Pier Groundwater Elev.: S Qu Station 57+32 First Encounter 778.0 **ft** ▼ 142.0ft RT **Upon Completion** 734.5 **ft** ∑ Offset ft (ft) (/6") (tsf) (%) (ft) (/6") (tsf) (%) Ground Surface Elev. 784.00 After \_ - Hrs. Dark Brown and Black, Moist Very Stiff SILTY LOAM, with organics Gray, Wet SILTY LOAM, trace gravel Stiff (continued) Brown and Gray, Moist 1.6 2.9 13 SILTY LOAM, trace gravel 6 3 В В 780.50 Brown and Light Brown, Moist SILTY LOAM 5 2.2 13 3 1.4 23 9 4 В В 778.00 Very Soft Hard to Very Hard 23 Bluish Gray, Wet Brown and Gray, Wet SILTY LOAM, some gravel 12 8.5 10 0.3 SILTY LOAM 14 P Medium Dense Brown, Fine to Medium grain, Wet 19 8.0 10 8 19 SAND, some gravel 9 22 Р 19 7 2 7.0 15 13 16 749.50 5 Gray, Medium to Coarse grain, Wet SAND 18 P

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)

4 2.7 14

6 3.3 13

Hard to Very Hard

SILTY LOAM, trace gravel

Gray, Wet

5 В

8

BBS, form 137 (Rev. 8-99)

17

18 5.0 14



## **SOIL BORING LOG**

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ROUTE	FAI 74		DESCR	IPTION		FAI:	55 Business (SB) over F	AI 74 (EB)	LOG	GED BY	RJC
FOTION	(57.001)	D 4)DD 4		LOCAT	ION	C4b	of Disaminaton SEC 1	O TOMOS COM	DNC 25	ord DNA	
ECTION	(57-20HE	B-1)BR-1		LOCAI	ION	South	of Bloomington, SEC. 19de , Longitude	9, TWP. 23N,	RNG. ∠E,	3 PIVI,	
OUNTY	McLean	DRILL	ING ME	THOD		Lautu	HSA	HAMMER	TYPF	ΔU	ΓΟ.
001111			IIIO IVIL				110/1			710	
TRUCT NO	057-0060 057-0252 p	existing	D	В	U	M	Surface Water Elev.	NA	4		
		7 32	E	L	С	0	Stream Bed Elev.	NA NA			
Station	31+91	7.52	P	o	S	ī	Stream bed Elev.	INA	_ 11		
ODING NO	DEN	Dior	T	w		S	Groundwater Elev.:				
	B-6 N. 57+		Н	S	Qu	T	First Encounter	779.0	4 🔻		
Station Offset	142.0f								_ ft ▼		
			ft (ft)	(/6")	(tsf)	(%)		734.5			
	ice Elev.	784.00	ft (π)	(,0,)	(131)	(70)	Arter mrs.		_ 11		
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ILTY LOAM,	trace gravel										
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BBS, form 137 (Rev. 8-99)



Very Stiff

Gray, Wet SILTY LOAM, trace gravel

USER NAME = piersonbr	DESIGNED - VPT	REVISED -
	CHECKED - TF	REVISED -
PLOT SCALE =	DRAWN - JAE	REVISED -
PLOT DATE = 7/29/2013 \$TIME\$	CHECKED - BAS	REVISED -

SOIL BORINGS		SECTION	COUNTY	TOTAL SHEETS	SHE
STRUCTURE NO. 057-0252	74	(57-20HB-1)BR-1	MCLEAN	440	20
31NUCTURE NO. 037-0232			CONTRACT	NO. 7	7057
SHEET NO. 25 OF 26 SHEETS	ILLINOIS FED. AID PROJECT				