STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Date 6/14/06

ROUTE US 20 DESCRIPTION P92-117-06 Bulx culvert on US 20, .6 m. E. of E. Dubuque LOGGED BY W. Garza

SECTION LOCATION Dunleith Twp. - 28 SW, SEC. , TWP. 29N, RNG. 2W

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

STRUCT. NO. 043-1004
Station

BORING NO. B-1
Station 79+22
Offset 4.00ft Lt E.O.P.
Ground Surface Elev. 100.60 ft

Surface Water Elev. ft
Stream Bed Elev. 89.20 ft

Groundwater Elev.:
First Encounter 78.6 ft ▼
Upon Completion Wash ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM				
			0.5	11.0
			P	
	98.60			
STIFF brown SANDY LOAM with fine SAND		2		
		2	1.5	15.0
	97.10	4	P	
DENSE tan old CONCRETE with SAND LOAM	-5	2		
		42	0.6	22.0
	94.60	10	P	
MEDIUM brown SILTY LOAM		1		
		1	0.7	23.0
	92.10	3	S	
MEDIUM light brown SILTY LOAM	-10	1		
		1	0.5	22.0
	89.60	2	S	
MEDIUM brown LOAM		1		
		2	0.7	21.0
	87.10	4	B	
SOFT brown SANDY LOAM	-15	2		
		1	0.4	31.0
	84.60	3	P	
SOFT brown SANDY LOAM with SAND lens			0.4	28.0
			P	
	81.60			
LOOSE brown medium SAND	-20	2		
LOOSE brown medium SAND (continued)		2		
	79.60	6		
LOOSE brown medium SAND		2		
		4		
	77.10	3		
LOOSE brown medium SAND	-25	2		
		3		
	74.60	2		
LOOSE brown medium SAND		1		
		4		
	72.10	5		
LOOSE brown medium SAND	-30	1		
		1		
	69.60	4		
MEDIUM brown SAND & GRAVEL with LIMESTONE fragments		5		
		12		
	67.10	17		
MEDIUM brown fine SAND	-35	4		
		6		
	64.60	7		
Wash		6		
MEDIUM brown medium SAND with SILT LOAM		7		
	62.10	11		
MEDIUM brown fine SAND	-40	5		

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)

Date 6/14/06

ROUTE US 20 DESCRIPTION P92-117-06 Bulx culvert on US 20, .6 m. E. of E. Dubuque LOGGED BY W. Garza

SECTION LOCATION Dunleith Twp. - 28 SW, SEC. , TWP. 29N, RNG. 2W

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

STRUCT. NO. 043-1004
Station

BORING NO. B-1
Station 79+22
Offset 4.00ft Lt E.O.P.
Ground Surface Elev. 100.60 ft

Surface Water Elev. ft
Stream Bed Elev. 89.20 ft

Groundwater Elev.:
First Encounter 78.6 ft ▼
Upon Completion Wash ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown fine SAND (continued)		10		
	59.60	16		
Wash		2		
LOOSE/MEDIUM brown fine SAND		4		
	57.10	6		
Wash	-45	16		
MEDIUM brown fine SAND		15		
	54.60	11		
End of Boring				
	-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	MAS
CHECKED	BJM
DRAWN	TMF / JNH
CHECKED	BRT

The assumed ground surface elevation of 100.60 in the B-1 soil boring log corresponds to an actual elevation of 615.00.
Similarly, the assumed ground water elevation of 78.60 corresponds to an actual elevation of 593.00.
To convert from the assumed elevation datum used in the B-2 boring log to the project elevation datum, add 514.4 ft.

Wight

Wight & Company
2500 North Frontage Road . Darien . Il 60561
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451

BORING LOG, B-1
STRUCTURE NO. 043-1076

SHEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8 SHEETS	301	43T	JO DAVIESS	80	50
	STA. 107+58.88 TO STA. 107+76.13		CONTRACT NO. 64C68		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

G:\ENG\06-6730-13_TASK2\Civ\Sht\D0164068_SHT034_SOILS.dgn 12/1/2009 10:56:09 AM Default