STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	177-2	STEPHENSON	386	209
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 22
24 SHEETS

Contract No. 64799

Illinois Department of Transportation
Division of Highways
District 2, Dixon

SOIL BORING LOG

Page 1 of 2

Date 7/29/03

ROUTE US 20 Freeport Bypass DESCRIPTION P92-029-02 Freeport bypass over J. Addams Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins

SECTION 177-3HB-3 LOCATION Harlem Twp. - 14 SW, SEC. , TWP. 27N, RNG. 7E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-1c
Station 1569+16
Offset 99.00ft Lt CL
Ground Surface Elev. 65.0 ft

Surface Water Elev. None ft
Stream Bed Elev. None ft

Groundwater Elev.:
First Encounter 50.0 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan/brown SILTY CLAY			
		0.6 P	20
62.50			
MEDIUM gray SILTY CLAY			
	3 4 5	0.8 B	35
61.00			
-5			
STIFF gray/black SILTY LOAM			
	3 3 3	1.3 B	29
58.50			
STIFF gray/black SILTY CLAY			
	2 2 5	1.2 B	28
56.00			
-10			
MEDIUM gray SILTY LOAM			
	1 2 3	0.8 B	30
53.00			
No sample			
	0 1 2		
51.00			
▼-45			
MEDIUM tan SAND with LIMESTONE fragments			
	2 6 5		
48.50			
MEDIUM tan/yellow SAND with LIMESTONE fragments			
	17 16 13		
46.00			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DENSE tan SAND & GRAVEL with weathered LIMESTONE fragments			
	12 15 20		
43.50			
Begin Wash VERY DENSE tan well-cemented SAND & GRAVEL with LIMESTONE fragments			
	22 30 25		
41.00			
-25			
Wash DENSE gray SAND & GRAVEL			
	11 18 23		
38.00			
Wash STIFF gray SILTY LOAM TILL			
	1 3 5	1.2 B	21
36.00			
-30			
Wash Same as above			
	0 2 4	1.1 P	16
33.50			
VERY STIFF gray SILT			
	6 9 16	2.3 S	19
31.00			
-35			
VERY STIFF gray SILTY LOAM			
	6 14 18	2.3 B	22
28.50			
HARD gray SILTY CLAY			
	8 10 17	6.0 S	20
26.00			
-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)

Illinois Department of Transportation
Division of Highways
District 2, Dixon

SOIL BORING LOG

Page 2 of 2

Date 7/29/03

ROUTE US 20 Freeport Bypass DESCRIPTION P92-029-02 Freeport bypass over J. Addams Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins

SECTION 177-3HB-3 LOCATION Harlem Twp. - 14 SW, SEC. , TWP. 27N, RNG. 7E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-1c
Station 1569+16
Offset 99.00ft Lt CL
Ground Surface Elev. 65.0 ft

Surface Water Elev. None ft
Stream Bed Elev. None ft

Groundwater Elev.:
First Encounter 50.0 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash HARD gray SILTY CLAY			
	7 10 18	5.4 B	20
23.50			
Wash 7/30/03 HARD gray SILTY LOAM TILL			
	7 9 30	4.1 S	24
21.00			
-15			
DENSE gray SILTY CLAY TILL with LIMESTONE fragments			
	27 17 25		17
18.50			
VERY DENSE gray SILTY CLAY TILL with LIMESTONE fragments			
	17 15 100/6"		14
15.50	PEN		
-20			
Wash VERY DENSE tan/gray weathered LIMESTONE under gray SILTY CLAY TILL			
	33 31 29		
13.50			
VERY DENSE very weathered tan LIMESTONE			
	45 55 100/10"		
11.75	PEN		
End of Boring			
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District 2, Dixon

SOIL BORING LOG

Page 1 of 2

Date 7/31/03

ROUTE US 20 Freeport Bypass DESCRIPTION P92-029-02 Freeport bypass over J. Addams Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins

SECTION 177-3HB-3 LOCATION Harlem Twp. - 14 SW, SEC. , TWP. 27N, RNG. 7E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-2c
Station 1569+64
Offset 88.00ft Lt EB CL
Ground Surface Elev. 65.3 ft

Surface Water Elev. None ft
Stream Bed Elev. None ft

Groundwater Elev.:
First Encounter 47.3 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILTY CLAY			
		1.6 P	25
62.30			
STIFF gray SILTY CLAY			
	2 2 4	1.3 B	27
60.80			
-5			
VERY STIFF gray SILTY CLAY			
	2 4 4	2.1 B	27
58.30			
STIFF gray SILTY CLAY			
	2 3 5	1.9 B	24
55.80			
-10			
Same as above			
	2 3 4	1.8 B	24
52.80			
VERY LOOSE tan fine SAND			
	1 1 2		
50.80			
-15			
MEDIUM tan fine grained SAND			
	0 3 9		
48.30			
▼			
MEDIUM tan fine grained SAND with LIMESTONE fragments			
	3 8 15		
45.80			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan fine SAND with LIMESTONE fragments			
	5 12 18		
43.30			
Begin Wash Same as above			
	7 9 14		
40.80			
-25			
Wash LOOSE tan fine grained SAND			
	2 3 5		
37.80			
MEDIUM gray SILTY CLAY TILL			
	6 3 4	0.6 B	18
35.80			
-30			
HARD gray SILTY LOAM			
	4 6 10	4.5 B	19
33.30			
Wash HARD gray SILTY CLAY			
	5 9 12	5.0 S	19
30.80			
-35			
Same as above			
	6 9 13	5.0 S	19
28.30			
DENSE gray SILTY CLAY TILL			
	7 14 16		23
25.80			
-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)

DESIGNED	M.SHAIKH
CHECKED	J.C.MUHAMMAD
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

PARSONS BRINCKERHOFF

SOIL BORING LOGS
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083

T:\16814A\Struct\Cadd\Prefinal\US20 Bridge 089-0083 (Jane Addams Trail Bridge)\000000-64799-000-000-022.dgn
25-JAN-2010 14:25