STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	177-2	STEPHENSON	386	210
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 23
24 SHEETS

Contract No. 64799

Illinois Department of Transportation
Division of Highways
District 2, Dixon

SOIL BORING LOG

Page 2 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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash					
DENSE gray SILTY CLAY TILL with LIMESTONE fragments	23.30		7 16 21		
DENSE tan/gray very weathered dirty LIMESTONE	20.80	-45	15 15 34		
VERY DENSE tan/gray very weathered dirty LIMESTONE	18.30		34 34 26		
8/1/03 DENSE tan very weathered LIMESTONE	15.80	-50	67 22 8		
VERY DENSE tan/gray weathered LIMESTONE	13.30		100/6" PEN		
VERY DENSE gray weathered LIMESTONE	10.80	-55	100/1" PEN		
DENSE tan/gray dirty very weathered LIMESTONE	8.30		15 18 30		
MEDIUM orange very weathered LIMESTONE	5.80	-60	17 12 12		
VERY DENSE orange/yellow weathered LIMESTONE	4.10	-65	56 44 100/8" PEN		
End of Boring		-80			

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 1 of 2

Date 8/4/03

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. - 14SW, SEC. , TWP. 27N, RNG. 7E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-3c
Station 1570+08
Offset 76.00ft Lt EB CL
Ground Surface Elev. 66.6 ft

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

Groundwater Elev.:
First Encounter 53.6 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan SILTY LOAM with GRAVEL				0.7 P	16
MEDIUM brown SILTY CLAY	63.60		3 4 6	1.0 B	24
VERY STIFF gray with rust SILTY CLAY	62.10	-5	2 5 7	3.1 B	25
STIFF gray with rust SILTY CLAY	59.60		3 3 5	1.3 B	19
LOOSE tan fine grained SAND	56.60	-10	1 2 4		
VERY LOOSE tan very fine grained SAND	54.60		1 0 1		
MEDIUM tan fine grained SAND with LIMESTONE fragments	52.10	-15	1 4 15		
DENSE tan fine grained SAND with LIMESTONE fragments	49.60		6 12 20		
Begin Wash					
DENSE tan fine grained SAND with LIMESTONE fragments	47.10	-20	13 14 27		
Wash	44.10				
STIFF brown SILTY LOAM			4 4 5	1.5 B	20
MEDIUM brown SILTY CLAY	42.10	-25	1 2 5	0.9 B	24
VERY STIFF gray SILTY CLAY	39.60		1 3 7	3.9 B	22
Same as above	37.10	-30	5 8 11	2.9 S	20
HARD gray SILTY CLAY	34.60		6 9 12	4.1 S	23
Wash Same as above	32.10	-35	11 11 15	4.3 S	23
Wash DENSE tan weathered LIMESTONE	29.10		7 21 22		
	27.10	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SOIL BORING LOG

Page 2 of 2

Date 8/4/03

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. - 14SW, SEC. , TWP. 27N, RNG. 7E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.
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BORING NO. B-3c
Station 1570+08
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Ground Surface Elev. 66.6 ft

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

Groundwater Elev.:
First Encounter 53.6 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash VERY DENSE tan weathered LIMESTONE	24.60		36 64 100/11" PEN		
Wash VERY DENSE tan/orange weathered LIMESTONE	22.10	-45	100/6" PEN		
Same as above	20.70		100/3" PEN		
End of Boring		-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	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)\000000-64799-000-000-023.dgn
25-JAN-2010 14:25