



**SOIL BORING LOG**

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Division of Highways District 2, Dixon  
P82-029-02 Freeport bypass over J. Addams Trail, 2 m. W. of IL 26  
ROUTE US 20 Freeport Bypass DESCRIPTION  
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	D	B	U	M	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	D	B	U	M
BORING NO.	Station	P	L	C	O	Groundwater Elev.:	First Encounter	F	P	O	I
	Offset	T	W	H	S	Upon Completion	Wash	H	S	Q	T
						After	Hrs.	(ft)	(/ft)	(tsf)	(%)
	Ground Surface Elev. 65.3	(ft)	(/ft)	(tsf)	(%)						
	MEDIUM brown SILTY CLAY			0.8 P	30	DENSE tan fine grained SAND with LIMESTONE fragments		11			
								17			
	62.30							17			
	STIFF gray SILTY CLAY	4				Begin Wash		5			
		5	1.6		31	STIFF gray SILTY CLAY		4	1.6		23
	60.80	6	B					6	B		
	VERY STIFF gray with rust SILTY CLAY	2				MEDIUM gray SILT CLAY		1			19
		3	2.2		29			2	0.9		
	57.80	5	B					4	B		
	LOOSE tan fine grained SAND	2				Wash		5			
		3				VERY STIFF gray SILTY CLAY		8	2.2		23
	55.80	5						10	P		
	Same as above	1				VERY STIFF gray/brown SILTY CLAY		4			
		1						6	3.5		22
	53.30	3						12	S		
	Same as above	1				Wash		5			
		2				Same as above		5	3.5		22
	50.80	5						14	S		
	MEDIUM tan fine grained SAND with LIMESTONE fragments	3				Wash		5			
		5				Same as above		6	3.7		23
	48.30	11						9	B		
	Same as above	7				Wash		7			
		9				VERY STIFF gray/brown SILTY CLAY over gray LIMESTONE		9	2.8		24
	45.80	16						17	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)  
BBS, from 137 (Rev. 8-99)



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	Offset	T	W	H	S	Upon Completion	Wash	H	S	Q	T
						After	Hrs.	(ft)	(/ft)	(tsf)	(%)
	Ground Surface Elev. 65.3	(ft)	(/ft)	(tsf)	(%)						
	Wash					VERY DENSE tan/gray weathered LIMESTONE		20			
								30			
								43			
	23.30										
	VERY DENSE tan/gray weathered LIMESTONE							61			
								39			
								100/8'			
	20.80							PEN			
	VERY DENSE gray/orange weathered LIMESTONE							100/5'			
	18.80							PEN			
	End of Boring										

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BBS, from 137 (Rev. 8-99)

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

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

