

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 308	*	ROCK ISLAND	210	173
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #64814 * 1(HB, HB-1, VB, HB-2)R SHEET NO. 26
28 SHEETS

Page 1 of 1

SOIL BORING LOG

Date 4/6/04

ROUTE FAP 308 DESCRIPTION P-92-044-02 IL 92 bridge (Centennial Expressway) over 18th Avenue LOGGED BY C. Jenkins

SECTION 1(HB, HB-1, VB, HB-2) R LOCATION SEC. TWP. R. RNG.

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	D E P T H	B U L G E	U N D E R	M O D E	Surface Water Elev.		D E P T H	B U L G E	U N D E R	M O D E
						ft	None				
	374+04						None				
BORING NO.	Station	H	S	Q _u	T	Groundwater Elev.:		H	S	Q _u	T
B-1b	373+72					First Encounter					
	Offset 65.00R RL CL.					Upon Completion					
	Ground Surface Elev. 82.3	ft	(ft)	(6")	(tsf)	(%)	ft	(ft)	(6")	(tsf)	(%)
MEDIUM brown fine SAND							MEDIUM tan SANDY GRAVEL with LIMESTONE fragments		4		
									11		
									17		
DENSE brown fine SAND	79.30		12				MEDIUM tan SANDY GRAVEL with a CLAY lens		15		
			15						19		
			16						5		
	77.30	-5							57.30	-25	
STIFF black SANDY LOAM with ORGANICS, broken glass, etc.			5				Wash		4		
			6	1.2	22		STIFF gray SILT		6	1.2	31
	75.30		5						8		
MEDIUM gray SILTY LOAM with ORGANICS and SAND lens			1				VERY DENSE gray weathered LIMESTONE (petroleum small)		23		
			1	0.8	25				77		
	72.80		2						100/11*		
									52.80		
									-30		
MEDIUM tan/gray SILTY CLAY			0				VERY DENSE, as above		18		
			1	0.7	32				26		
	70.30		2						46		
									50.30		
MEDIUM tan/gray SILTY LOAM			1				VERY DENSE gray weathered LIMESTONE		48		
			6	0.6	38				100/11*		
	67.30	-15	2						47.80		
							End of Boring		-35		
LOOSE tan coarse grained SAND under SILTY CLAY			1								
			1								
	65.30		2								
Begin Wash			4								
MEDIUM tan SANDY GRAVEL			6								
	62.80		6								
									-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)

Page 1 of 1

SOIL BORING LOG

Date 4/7/04

ROUTE FAP 308 DESCRIPTION P-92-044-02 IL 92 bridge (Centennial Expressway) over 18th Avenue LOGGED BY C. Jenkins

SECTION 1(HB, HB-1, VB, HB-2) R LOCATION SEC. TWP. R. RNG.

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	D E P T H	B U L G E	U N D E R	M O D E	Surface Water Elev.		D E P T H	B U L G E	U N D E R	M O D E
						ft	None				
	374+04						None				
BORING NO.	Station	H	S	Q _u	T	Groundwater Elev.:		H	S	Q _u	T
B-2b	374+33					First Encounter					
	Offset 59.00R RL CL.					Upon Completion					
	Ground Surface Elev. 83.7	ft	(ft)	(6")	(tsf)	(%)	ft	(ft)	(6")	(tsf)	(%)
MEDIUM brown fine SAND							MEDIUM tan SANDY GRAVEL with LIMESTONE fragments		6		
									10		
									15		
	81.20								61.70		
STIFF brown SANDY LOAM with ORGANICS			12				MEDIUM Same as above		21		
			4	1.4					15		
			6						12		
	78.70	-5							58.70	-25	
VERY LOOSE brown fine SAND			2				Wash		31		
			1				STIFF gray CLAY under tan SANDY GRAVEL		8	1.4	
	76.70		1						8		
MEDIUM brown fine SAND			1				VERY DENSE gray CLAY TILL		100/2*		
			7						PEN		
	73.70	-10					Borehole continued with rock coring.		54.70		
									-30		
SOFT brown SILTY LOAM with some GRAVEL			1								
			0	0.3							
	71.70		1								
MEDIUM tan/gray with rust SILTY CLAY			1								
			2	0.9							
	69.20		3								
	67.30	-15									
MEDIUM blue/gray SILTY CLAY			1								
			1	0.5							
	66.70		2								
MEDIUM gray SILTY CLAY			1								
			1	0.6							
	64.20		1								
									-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)

SOIL BORINGS 1
IL ROUTE 92 (CENTENNIAL EXPRESSWAY)
OVER 18th AVENUE
FAP ROUTE 308 SEC. 1(HB-1)R
ROCK ISLAND COUNTY
STATION 1517+79.41
STRUCTURE NO. 081-0171

DESIGNED
CHECKED
DRAWN
CHECKED

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

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