

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SOIL BORING LOG**

PAGE 1 of 2  
DATE 10/22/2008  
LOGGED BY MD  
JOB NUMBER P-91-186-08 GSI JOB No. 08015

ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)  
SECTION - LOCATION I-57-294 Ramp C Fly-Over Bridge  
COUNTY Cook DRILLING METHOD Straight Flight Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. XXX Station -  
BORING NO. RMP C B-22 Station: 1261+21 (I-57)  
Offset: 68.5' Right  
Ground Surface Elev. 634.5

	D E P T H (ft)	B L O W S (6")	U N D E R S T R I C T U R E (tsf)	M O I S T U R E (%)	Surface Water Elev. <u>na</u>				Stream Bed Elev. <u>na</u>									
					ft	(6")	(tsf)	(%)	ft	(6")	(tsf)	(%)						
18.0" ASPHALT	633.0	7		115														
CLAY to CLAY LOAM-brown & gray-stiff to hard (A-6) Fill	6																	
	7	7.25B	15															
CLAY to CLAY LOAM-brown & gray-stiff to hard (A-6) Fill	3			117														
	5																	
CLAY to CLAY LOAM-brown & gray-stiff to hard (A-6) Fill	-5	9	7.0B	14														
	3																	
CLAY-brown & gray-very stiff to hard (A-6)	5																	
	6	4.0P	14															
CLAY-brown & gray-very stiff to hard (A-6)	4			116														
	6	3.6S@																
SANDY LOAM-brown-medium dense (A-2)	-10	8	9.9%	13														
	3																	
SANDY LOAM-brown-medium dense (A-2)	6																	
	7	3.0P	17															
SANDY LOAM-brown-medium dense (A-2)	2			113														
	3																	
SANDY LOAM-brown-medium dense (A-2)	-15	7	1.3B	17														
	5			117														
SANDY LOAM-brown-medium dense (A-2)	8																	
	9	4.2B	16															
CLAY LOAM-gray-very dense (A-6)	3			101														
	4																	
CLAY LOAM-gray-very dense (A-6)	-20	6	1.6B	25														
	3																	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
NR-No Recovery

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					ft	(6")	(tsf)	(%)	ft	(6")	(tsf)	(%)						
CLAY LOAM-gray-very dense (A-6)	593.5																	
CLAY LOAM-gray-very dense (A-6)	6																	
	8	2.2S@																
SILT-gray-very dense (A-4)	23																	
	34																	
SILT-gray-very dense (A-4)	-45	50S*	NP	15														
	5																	
GRAVEL-gray-very dense (A-1)	585.0																	
	505"																	
GRAVEL-gray-very dense (A-1)	-50		NP	9														
	583.0																	
SILTY LOAM with Fractured Rock-gray-very dense (A-4)	563.5																	
	505"																	
SILTY LOAM with Fractured Rock-gray-very dense (A-4)	-55		NP	8														
	576.0																	
SILTY LOAM with Fractured Rock-gray-very dense (A-4)	500"																	
	-60		NR															

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test  
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NR-No Recovery

**BORING LOGS 6**  
**S.N. 016-1252**

<b>TYLIN INTERNATIONAL</b>	DESIGNED - DY	REVISIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
	CHECKED - AD,LS	NAME	DATE		57					1414.2B	COOK	516	375	
	DRAWN - DY,EI				CONTRACT NO. 60J27									
	CHECKED - LS,SP,PDF													
	DATE - 03/18/10				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT									

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