

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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**SOIL BORING LOG**

DATE 9/18/2008  
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 Over I-294  
COUNTY Cook DRILLING METHOD Straight Flight Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 016-1096 & 016-1097  
Station -  
BORING NO. **I57-I294 B-9**  
Station: 260+15  
Offset: 6.0' Right  
Ground Surface Elev. 636.0

D E P T H (ft)	B L O W S (6")	U C S (tsf)	M O S T Q U I T (%)	Surface Water Elev. n/a				Stream Bed Elev. n/a				Groundwater Elevation:			
				First Encounter n/a				Upon Completion n/a				After Hrs. n/a			
(ft)	(6")	(tsf)	(%)	D	B	U	M	D	B	U	M	D	B	U	M
5.0" ASPHALT, 6.5" CONCRETE, 2.5" CRUSHED STONE	634.8														
CLAY with Crushed Stone- medium dense (Fill)	633.0														
CLAY-brown & gray- very stiff to hard (A-6) Fill															
CLAY-brown & gray- very stiff to hard (A-6) Fill															
SILTY LOAM to SILT-gray- medium dense to very dense (A-4)															

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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				First Encounter n/a				Upon Completion n/a				After Hrs. n/a			
(ft)	(6")	(tsf)	(%)	D	B	U	M	D	B	U	M	D	B	U	M
SILTY LOAM to SILT-gray- medium dense to very dense (A-4)															
SANDY LOAM with Fractured Rock- gray-very dense (A-2/A-4)															

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**BORING LOGS 2**  
**S.N. 016-1252**

<b>TYLIN INTERNATIONAL</b>	DESIGNED - DY	REVISIONS			SHEET NO. 58	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - AD,LS	NAME	DATE		62 SHEETS	57	1414.2B	COOK	516	371	
	DRAWN - DY,EI				CONTRACT NO. 60J27						
	CHECKED - LS,SP,PDF				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
	DATE - 03/18/10										

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