

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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DATE 11/1-12/2008

LOGGED BY MR

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-6

Station: 257+98

Offset: 122.0' Right

Ground Surface Elev. 615.6

Depth (ft)	(6")	(tsf)	(%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.	(ft)	(6")	(tsf)	(%)
12.0"													
24.0"													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) SF-Shelby Tube Sample VS-Vane Shear Test  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D-2938) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NB-No Recovery

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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-6

Station: 257+98

Offset: 122.0' Right

Ground Surface Elev. 615.6

Depth (ft)	(6")	(tsf)	(%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.	(ft)	(6")	(tsf)	(%)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) SF-Shelby Tube Sample VS-Vane Shear Test  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D-2938) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NB-No Recovery

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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 CORING METHOD Rotary Wash

STRUCT. NO. 016-1096 & 016-1097

Station -

BORING NO. I57-I294 B-6

Station: 257+98

Offset: 122.0' Right

Ground Surface Elev. 615.6

Depth (ft)	(#)	(%)	(%)	(min)	(tsf)

Run 1 (-46.5' to -56.5')  
 Silurian System Niagaran Series Dolomite

Light gray to gray with horizontal bedding. Fine grained with some varving. Vertical fracture from -46.5' to -47.2'. Horizontal fracture @ -49.3'. Vertical fracture from -49.7' to -50.3'. Horizontal fractures @ -51.2', -52.3' & -54.3'. 1/2" clay parting @ -54.6'.

Recovery = 96.5%  
 R.Q.D. = 79.0%

Color pictures of the cores  Yes Cores will be stored for examination for  
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

**BORING LOGS 6  
STRUCTURE NO. 016-1251**

<b>TYLIN</b> INTERNATIONAL	DESIGNED - JMA	REVISIONS		SHEET NO. 62	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	CONTRACT NO. 60J27 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
	CHECKED - SP,	NAME	DATE		57	1414.2B	COOK	516	307		
	DRAWN - JMA				68 SHEETS						
	CHECKED - SP,PDF										
DATE - 03/18/10											