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**SOIL BORING LOG**

DATE 5/8/2008

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 Kedzie Avenue Over I-57

COUNTY Cook DRILLING METHOD Straight Flight/Rotary Wash HAMMER TYPE CME Automatic

STRUCT. NO. 016-2126

Station -

BORING NO. **I57-KED B-7**

Station: 24+92 Kedzie Avenue

Offset: 50.0' Right

Ground Surface Elev. 611.3

Soil Description	Depth (ft)	Moisture (%)	Unit Weight (pcf)	Penetration (lb/ft)	Blow Count (blows)	Notes
12.0" ASPHALT	0.0 - 1.2					
CRUSHED STONE-medium dense (Fill)	1.2 - 2.0					
CLAY-brown & gray-very stiff (A-6) FH	2.0 - 4.0					
CRUSHED STONE-very dense (Fill)	4.0 - 6.0					
CINDERS-black-medium dense (Fill)	6.0 - 7.0					
SILTY LOAM-gray-loose to medium dense (A-4)	7.0 - 10.0					
SANDY LOAM to LOAM-gray-loose (A-4)	10.0 - 12.0					
SAND-gray-medium dense (A-3)	12.0 - 14.0					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelly Tube Sample VS-Vane Shear Test  
 The SPT (bl value) is the sum of the last two blow values in each sampling zone (ASTM D 1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NR-No Recovery

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SECTION - LOCATION Kedzie Avenue Over I-57

COUNTY Cook DRILLING METHOD Straight Flight/Rotary Wash HAMMER TYPE CME Automatic

STRUCT. NO. 016-2126

Station -

BORING NO. **I57-KED B-7**

Station: 24+92 Kedzie Avenue

Offset: 50.0' Right

Ground Surface Elev. 611.3

Soil Description	Depth (ft)	Moisture (%)	Unit Weight (pcf)	Penetration (lb/ft)	Blow Count (blows)	Notes
RUN 1 (-38.0' to -48.0') Silurian System Niagaran Series Dolomite	14.0 - 20.0					

End of Boring @ -48.0'  
 Straight Flight Augers To -20.0'  
 Rotary Drilling To Completion  
 CME Automatic Hammer  
 20.0' 4.0" Casing Used

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelly Tube Sample VS-Vane Shear Test  
 The SPT (bl value) is the sum of the last two blow values in each sampling zone (ASTM D 1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NR-No Recovery

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**ROCK CORE LOG**

DATE 5/8/2008

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 Kedzie Avenue Over I-57

COUNTY Cook CORING METHOD Rotary Wash

STRUCT. NO. 016-2126

Station -

BORING NO. **I57-KED B-7**

Station: 24+92 Kedzie Avenue

Offset: 50.0' Right

Ground Surface Elev. 611.3

Core Description	Depth (ft)	Moisture (%)	Unit Weight (pcf)	Penetration (lb/ft)	Blow Count (blows)	Notes
RUN 1 (-38.0' to -48.0') Silurian System Niagaran Series Dolomite	14.0 - 20.0					

Light gray to gray with horizontal bedding. Fine grained with some varying. Horizontal fractures @ -38.6', -38.8', -39.2' & -39.4'. Horizontal fracture zone from -40.8' to -41.0'. Horizontal fracture @ -41.8'. Vertical fracture from -42.1' to -42.5'. Horizontal fractures @ -44.0', -44.1' & -44.4'.

100.0% Water Loss

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)

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - MDM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS 7 STRUCTURE NO. 016-1196	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - CME	REVISED -			57	1313.1B-1	COOK	162	100
	PLOT DATE = 5/5/2011	DRAWN - SMM	REVISED -			CONTRACT NO. 60K14				
CHECKED - PDF				REVISED -		ILLINOIS FED. AID PROJECT				