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SOIL BORING LOG

DATE 5/13/2008
LOGGED BY RH
GSI JOB No. 08015

JOB NUMBER P-91-186-08

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 Hollow Stem/Rotary Wash HAMMER TYPE CME Automatic

STRUCT. NO. 016-2126

Station -

BORING NO. I57-KED B-5

Station: 23+45 Kedzie Avenue

Offset: 22.5' Right

Ground Surface Elev. 631.2

D	B	U	M	Surface Water Elev.	n/a	D	B	U	M	Description	Elev.	D	B	U	M	SPT (blows)	Notes
										2.0" ASPHALT, 10.0" CONCRETE	630.2						
										CLAY-brown & gray-stiff to hard (A-6) Fill							
										CLAY-brown & gray-stiff to hard (A-6) Fill							
										SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)							
										SAND-gray-dense (A-3)							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Pneumometer) ST-Shelly 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 1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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COUNTY Cook DRILLING METHOD Hollow Stem/Rotary Wash HAMMER TYPE CME Automatic

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Ground Surface Elev. 631.2

D	B	U	M	Surface Water Elev.	n/a	D	B	U	M	Description	Elev.	D	B	U	M	SPT (blows)	Notes
										SAND-gray-dense (A-3)	589.2						
										SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)							
										SAND-gray-dense (A-3)	594.2						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Pneumometer) ST-Shelly 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 1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROCK CORE LOG

DATE 5/13/2008
LOGGED BY RH
GSI JOB No. 08015

JOB NUMBER P-91-186-08

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-5

Station: 23+45 Kedzie Avenue

Offset: 22.5' Right

Ground Surface Elev. 631.2

D	C	R	R	C	S	Description	Elev.	D	C	R	R	C	S	SPT (blows)	Notes
						RUN 1 (-56.0' to -66.0') Silurian Series Niagaran Series Dolomite	575.2								
						Light gray to gray with horizontal bedding. Fine grained. Vertical fracture with intersecting horizontal fractures @ oil staining from -58.0' to -59.7'. Horizontal fractures @ -60.0', -60.5', -60.7' & -61.2'. Horizontal fracture with 1/4" sandy clay parting @ -62.4'. Horizontal fracture @ -63.9' & -65.7'. 0.0% Water Loss from -56.0' to -61.0'. 100.0% Water Loss from -61.0' to -66.0'.									

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)

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - MDM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS 5 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	98
	PLOT DATE = 5/5/2011	DRAWN - SMM	REVISED -			CONTRACT NO. 60K14				
				SHEET NO. 37 OF 40 SHEETS		ILLINOIS FED. AID PROJECT				