

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

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Date 8/1/06

ROUTE FAL-57 DESCRIPTION I-57 over CNIC RR LOGGED BY Larry Myers

SECTION 46-2VB LOCATION SW 1/4, SEC. 16, TWP. 31N, RNG. 12E, 3rd PM

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0016 & 0017 SURFACE WATER Elev. _____ ft
Station 325+93.10 Stream Bed Elev. _____ ft

BORING NO. #6 West Pier, N GROUNDWATER Elev.: _____ ft
Station 325+20.1 First Encounter _____ ft
Offset 63.00 ft RL Upon Completion 676.4 ft
Ground Surface Elev. 679.38 ft After _____ ft

DEPTH (ft)	BULGE (ft)	UCS (tsf)	MODE	DESCRIPTION
0				Augered, black, Silty Clay Loam fill
677.88	8			
676.88	6	4.0	12.0	Hard, brown, Loam Till fill with Coal and Slag pieces
674.88	4			
674.88	4	2.7	16.7	Very stiff, gray, Silty Clay Till
671.36	5	2.0	13.2	
670.88	25	P		Dense, tan, Dolomite with fractured surface Moved 5' north and 5' south from original and verified rock surface Borehole continued with rock coring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)



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ROCK CORE LOG

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Date 10/31/06

ROUTE FAL-57 DESCRIPTION I-57 over CNIC RR LOGGED BY Myers/Blakley

SECTION 46-2VB LOCATION SW 1/4, SEC. 16, TWP. 31N, RNG. 12E, 3rd PM

COUNTY Kankakee CORING METHOD Diamond Bit, Recirculated Water

STRUCT. NO. 046-0016 & 0017 CORING BARREL TYPE & SIZE 5' Double Barrel
Station 325+93.10

BORING NO. #6 West Pier, N Core Diameter 2 in
Station 325+20.1 Top of Rock Elev. 670.88 ft
Offset 63.00 ft RL Begin Core Elev. 670.88 ft
Ground Surface Elev. 679.38 ft

DEPTH (ft)	RECOVERY (%)	CORRECTION (%)	REMARKS
0			Dolomite, buff to white with varying degrees of oxidation, predominately white below 21', medium to very fine grained, small vugs present, numerous horizontal and vertical fractures with varying degrees of staining, fossil remains present, easily fractures on seams upon removal from core barrel
670.88	100	47	
670.88	100	80	Unable to extract a strength sample
655.88	100	82	
655.88			End of Boring

Color pictures of the cores Yes
Cores will be stored for examination until Bridge is Completed
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 138 (Rev. 8-99)

DESIGNED	AMV
CHECKED	PMH
DRAWN	AMV
CHECKED	PMH



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SHEET NO. SR-48 SHEETS SR-48	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57	(46-2) VBR	KANKAKEE	558	375
CONTRACT NO. 66409					
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT					

SOIL BORING AND ROCK CORE LOGS
STRUCTURE NO. 046-0146 (S.B.)
& STRUCTURE NO. 046-0147 (N.B.)