



Illinois Department of Transportation
Division of Highways
Wang Engineering

SOIL BORING LOG

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Date 8/14/07

ROUTE FA 74/280 DESCRIPTION P92-063-07 I-280 Bridge over Coal Creek, .75 m. E. of I-74 LOGGED BY W. Garza

SECTION 81-3BR LOCATION Coal Valley Twp. - 22 NW, SEC., TWP. 17N, RNG. 1W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 081-006
Station 280+14.69

BORING NO. B-1
Station 279+54.69
Offset 103.00ft Lt CL
Ground Surface Elev. 567.46 ft

DEPTHS (ft) (6") (tsf) (%)

Surface Water Elev. 560.26 ft
Stream Bed Elev. 557.26 ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs. _____ ft

DEPTH (ft)	SOIL DESCRIPTION	(6")	(tsf)	(%)
0.0 - 26.0	SOFT brown LOAM		0.3 P	26.0
26.0 - 564.96	STIFF tan/gray SANDY LOAM	2		
564.96 - 563.46		5 6	2.0 P	12.0
563.46 - 560.96	VERY SOFT tan SANDY LOAM with SAND lens	1 3 4	0.2 P	21.0
560.96 - 557.96	LOOSE tan SAND with SANDY LOAM lens	0 2 3		24.0
557.96 - 555.96	LOOSE dark gray SHALEY SAND	3 8 24		
555.96 - 553.96	VERY DENSE gray SHALE	100/5"		
553.96 - 554.06	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, from 137 (Rev. 8-99)



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SECTION 81-3BR LOCATION Coal Valley Twp. - 22 NW, SEC., TWP. 17N, RNG. 1W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 081-005 and 081-006
Station 280+14.69

BORING NO. B-2
Station 279+79.69
Offset 2.00ft Lt CL
Ground Surface Elev. 573.56 ft

DEPTHS (ft) (6") (tsf) (%)

Surface Water Elev. 560.26 ft
Stream Bed Elev. 577.26 ft

Groundwater Elev.:
First Encounter 553.6 ft
Upon Completion Wash _____ ft
After _____ Hrs. _____ ft

DEPTH (ft)	SOIL DESCRIPTION	(6")	(tsf)	(%)
0.0 - 6.0	SOFT tan SILTY LOAM		0.4 P	20.0
6.0 - 571.06	STIFF tan SILTY LOAM	3 4 6	1.3 S	18.0
571.06 - 569.56				
569.56 - 567.06	SOFT tan SILTY LOAM	1 2 3	0.3 P	21.0
567.06 - 564.56	SOFT tan SILTY LOAM	1 2 3	0.4 B	20.0
564.56 - 562.06	VERY STIFF tan SILT	3 5 6	2.1 S	17.0
562.06 - 559.56	STIFF gray SILTY LOAM	4 6 8	1.6 P	16.0
559.56 - 557.06	STIFF dark gray SANDY LOAM	5 7 8	1.5 S	11.0
557.06 - 554.06	STIFF dark gray SANDY LOAM with SAND lens	5 7 8	1.3 S	12.0

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, from 137 (Rev. 8-99)

0810194_64D23_036_Boring_01.dgn 2/4/2012 PM 3/19/2013



DESIGNED - --	REVISED -
CHECKED - --	REVISED -
DRAWN - MWS	REVISED -
CHECKED - BJM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 081-0194 (E.B.) & NO. 081-0195 (W.B.)

SHEET NO. 36 OF 38 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/280	81-3BR	ROCK ISLAND	290	199
CONTRACT NO. 64D23				

ILLINOIS FED. AID PROJECT