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Illinois Department of Transportation
Division of Highways
District 2 Materials

SOIL BORING LOG

Date 1/7/11

ROUTE F.A.U. Rte 5789 DESCRIPTION P92-055-84 over Shaffer Creek, 100' W. of Nhabl Road LOGGED BY By. Wetzell
(U.S. 6)

SECTION 40BR LONGITUDE _____ LATITUDE _____

COUNTY Rock Island DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 081-0163
Station 383+39.88

BORING NO. B-4
Station 383+45
Offset 33.00ft Rt
Ground Surface Elev. 565.5 ft

Description	Depth (ft)	Bulge (6")	Shear (tsf)	Penetration (%)	Moisture (%)	Groundwater Elev.:	
						First Encounter	Upon Completion
VERY SOFT brown SILTY CLAY	0		0.1	35.0			Surface Water Elev. <u>562.2</u> ft Stream Bed Elev. <u>559.3</u> ft
VERY SOFT brown SILTY LOAM with ORGANICS	1		0.1	44.0			Groundwater Elev.:
	2						First Encounter <u>558.5</u> ft Upon Completion <u>Wash</u> ft After <u>Hrs.</u>
VERY LOOSE brown dirty SANDY GRAVEL	-5						
	2						
VERY LOOSE brown dirty SANDY GRAVEL	0						
	1						
	1						
	556.5						
VERY DENSE gray weathered SHALE	-10						
	42						
	58						
VERY DENSE gray weathered SHALE	100.3						
VERY DENSE gray weathered SANDSTONE	-15						
	100.1						
	549.5						
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. 11-11)

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ROCK CORE LOG

Date 1/7/11

ROUTE F.A.U. Rte 5789 DESCRIPTION P92-055-84 over Shaffer Creek, 100' W. of Nhabl Road LOGGED BY By. Wetzell
(U.S. 6)

SECTION 40BR LONGITUDE _____ LATITUDE _____

COUNTY Rock Island CORING METHOD _____

STRUCT. NO. 081-0163 CORING BARREL TYPE & SIZE _____
Station 383+39.88

BORING NO. B-4 Core Diameter 2 in
Station 383+45 Top of Rock Elev. 556.5 ft
Offset 33.00ft Rt Begln Core Elev. 549.5 ft
Ground Surface Elev. 565.5 ft

Description	Depth (ft)	Coring (#)	Recovery (%)	Dilatancy (%)	Core Time (min)	Strength (tsf)
Sandstone: 75.7 to 75.1; lt. gray buff, finely crystalline. Shale: 75.1 to 71.9; dk. gray, blocky, & dense. Dolomite: 71.9 to 70.7, buff gray, dense, aphanitic & med. bedded. t.s.f.: 71.3 to 70.7	549.5	1	95	27	2.6	843.0
	-20					
Shale: 70.7 to 68.6, dk. gray, blocky & crumbly w/gravel inclusions. Dolomite: 68.6 to 65.7, as above in 1st run. t.s.f.: 68.1 to 67.5	544.5	2	90	32	2.2	676.0
	-25					
Dolomite: white-buff-gray, dense, pitted, aphanitic & chalky. t.s.f.: 62.5 to 62.0	539.5	3	100	38	5	768.0
	-30					
End of Boring	534.5					
	-35					

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 11-11)