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Illinois Department of Transportation
 Division of Highways
 Whitney & Associates, Inc.


Page 1 of 2

Date 1/27/11

ROUTE TR 176 DESCRIPTION TR 176 Relocation (Creek) LOGGED BY T. Fehl
 SECTION 05-15106-01-BR LOCATION Persifer Township, SEC. 19, TWP. 11N, RNG. 3R
 Latitude Longitude
 COUNTY Knox DRILLING METHOD ATV With Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	Offset	Ground Surface Elev.	ft	(ft)	(#)	(tsf)	(%)	Surface Water Elev.	ft	DEPT	BLDG	UCS	MO
048-3120	110+70 to 111+80	S-05	110+70	4.0 ft Right	622.10											
Brown SILTY CLAY Organic Topsoil (10") Medium Brown SANDY CLAY LOAM DD=95 PCF Very Stiff, Gray CLAY SHALE DD=114 PCF Medium Dark Brown CLAY LOAM Soft, Dark Brown SILTY CLAY DD=92 PCF Very Stiff, Gray CLAY Very Stiff, Gray, NEAR CLAY SHALE DD=116 PCF Hard, Dark Gray And Gray CLAY SHALE DD=115 PCF																

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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Page 2 of 2

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ROUTE TR 176 DESCRIPTION TR 176 Relocation (Creek) LOGGED BY T. Fehl
 SECTION 05-15106-01-BR LOCATION Persifer Township, SEC. 19, TWP. 11N, RNG. 3R
 Latitude Longitude
 COUNTY Knox DRILLING METHOD ATV With Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	Offset	Ground Surface Elev.	ft	(ft)	(#)	(tsf)	(%)	Surface Water Elev.	ft	DEPT	BLDG	UCS	MO
048-3120	110+70 to 111+80	S-05	110+70	4.0 ft Right	622.10											
Very Stiff, Gray CLAY SHALE DD=115 PCF (continued) Hard, Gray SHALE SEE ROCK CORE LOG End of Boring																

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)


Illinois Department of Transportation

Page 1 of 2

Date 01/27/2011

ROUTE TR-176 DESCRIPTION TR 176 Relocation (Creek) LOGGED BY Fehl/Krusemark
 SECTION 05-15106-01-BR LOCATION Persifer Township SEC. 19 TWP. 11N RNG. 3E PM
 COUNTY Knox CORING METHOD Single Tube With Water

STRUCT. NO.	STATION	BORING NO.	STATION	Offset	Ground Surface Elev.	ft	(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
048-3120	110+70 to 111+80	SB-5	110+70	4' Right	622.1							
Core Diameter 2.0 in Top of Rock Elev (579+) 43.5 ft Begin Core Elev. (577+) 45 ft												
Gray SILTSTONE Gray SHALE MC = 5.9% Gray SHALE MC = 4.8% Gray and Black, SHALE With Seam of Coal Fragments Gray SHALE Gray SANDSTONE MC = 3.8% Gray SHALE CORE RUN DISCONTINUED												

Color pictures of the cores Attached
 Cores will be stored for examination until 07/01/2011
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
 BBS 138 (Rev. 3/01)

FILE NAME =	USER NAME =	DESIGNED - JGT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS (SHEET 1 OF 4) STRUCTURE NO. 048-3387 SHEET NO. 20 OF 23 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED - MNM	REVISED -			TR 176	05-15106-01-BR	KNOX	97	61	
	PLOT DATE =	DRAWN - DAP	REVISED -			CONTRACT NO. 89429					
		CHECKED - JGT	REVISED -			ILLINOIS FED. AID PROJECT BROS 0095 127					