

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 665	*	FULTON	76	50
MKD. IL 116				

* 142 RS-6; 143[RS-4, (C-3)BR]; 142X(C-1)I

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

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Date 1/13/09

Boring for Culvert Extension on London Mills Road
LOGGED BY SCI

ROUTE FAP 665 (IL 116) DESCRIPTION 142RS-6; 143[RS-4, (C-3)BR]; 142X(C-1) LOCATION Approx. 170 ft north of IL Route 116; NW 1/4, SEC. 3, TWP. 8N, RNG. 2E.
SECTION 142X(C-1) COUNTY Fulton DRILLING METHOD CME45 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	BORING NO. Station Offset	Ground Surface Elev.	SOIL				Surface Water Elev.	Stream Bed Elev.	Groundwater Elev. First Encounter Upon Completion After ___ Hrs. Backfilled	SOIL					
			D	B	U	M				D	B	U	M		
(ft)	(ft)	(ft)	(%)	(tsf)	(%)	(ft)	(%)	(tsf)	(%)	(ft)	(%)	(tsf)	(%)		
029-2000 (existing) 23+70.39	B-3 23+37 12 ft Lt	535.0						516.5 528.0							
CRUSHED ROCK - 3 inches FILL: Dark brown sandy clay loam (A-4) 533.50 4 3 8															
FILL: Brown sand, fine to medium, trace fine gravel (A-2) 532.75 4 3 8															
FILL: Brown sandy clay (A-6) 1 2 15															
CLAY: Dark gray (A-7) 529.50 1 2 32															
Approximately 3 feet of sand blow in after SPT sample at 18.5 to 20 feet obtained. Air temperature about 1 degree Fahrenheit and water in tank on service truck was frozen around valve. Sample was not obtained from 21 to 22.5 feet.															
CLAYEY SHALE: Gray with deposits of SILTSTONE Driller observed drilling was hard at 22.5 feet.															
End of Boring at 29.8 ft. 505.00 -30															
Becomes gray and brown 1 2 27															
SILTY CLAY LOAM: Gray, with deposits of fine sand 522.00 1 2 25															
SAND: Gray, fine to medium, trace fine gravel, trace to some clay (A-2) 517.00 1 2 30															
WH 20															

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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Date 1/12/09

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SECTION 142X(C-1) COUNTY Fulton DRILLING METHOD CME45 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	BORING NO. Station Offset	Ground Surface Elev.	SOIL				Surface Water Elev.	Stream Bed Elev.	Groundwater Elev. First Encounter Upon Completion After ___ Hrs. Backfilled	SOIL					
			D	B	U	M				D	B	U	M		
(ft)	(ft)	(ft)	(%)	(tsf)	(%)	(ft)	(%)	(tsf)	(%)	(ft)	(%)	(tsf)	(%)		
029-2000 (existing) 23+70.39	B-4 24+00 31 ft Rt	528.7						514.7 524.7							
SILTY CLAY LOAM: Dark brown (A-6) 2 3 26															
Sample recovered was frozen, no recovery of unfrozen materials. 526.70															
CLAY: Dark brown (A-7) 1 1 35															
COAL (continued) 508.20															
CLAYEY SHALE: Gray 36 100 1.6 9															
SILTSTONE: Gray, with deposits of SANDY SHALE 505.70 100 4.5 14															
SAND: Grayish brown, fine, trace to some silt, clay, trace wood (A-2) 523.20 1 2 25															
End of Boring at 26.3 ft. 502.40															
SANDY LOAM: Grayish brown and brown, trace to some organics (A-2) 519.95 1 3 26															
WH 19															
SAND: Gray, fine to medium, trace fine gravel (A-3) 513.20 3 3 19															
Approximately 3 feet of sand blow in after SPT test performed. Tremle pipe used to flush augers. 509.95															
CLAYEY SHALE: Gray 8 27 19															
COAL 509.20 27 S															

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BBS, form 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS
CH 2 (London Mills Rd.)
Sta. 23+70.39
S.N. 029-2000

SCALE: NOT TO SCALE DRAWN BY DHS
DATE 1/23/2009 CHECKED BY