


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	28BR	COLES	21	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



Illinois Department of Transportation
Division of Highways
1001 - Dist 5

SOIL BORING LOG

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ROUTE FAS 674 (C.H. 31) DESCRIPTION 4 Miles SW of Mattoon LOGGED BY CNA

SECTION 28BR LOCATION NW. SEC. 4, TWP. 11N. RNC. 7E, 3rd PM


COUNTY Coles DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 015-8305 Surface Water Elev. 209.6 m
 Station 7+706.788 Stream Bed Elev. 209.4 m

BORING NO. 1 N. Abut Groundwater Elev.:
 Station 7+710.2 First Encounter 208.4 m
 Offset 3.8 m Rt. Upon Completion m
 Ground Surface Elev. 210.5 m After Hrs.

Description	Depth (m)	Blow Count (mm)	Bulge (B)	Shear (S)	Penetration (P)	Moisture (%)	UCS (kPa)	Failure Mode
Dark Gray Silt Loam to Loam	0.0 - 208.7	2	86	20				
Dark Gray Dirty Medium Sand to Sand Loam Mixed	208.7 - 207.9	1		20				
Brown Clay Loam Till with Small Oxidized Veins	207.9 - 207.3	4	316	15				
Gray Clay Loam Till	207.3 - 205.9	6	278	13				
End of Boring	205.9	12	431	13				

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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ROUTE FAS 674 (C.H. 31) DESCRIPTION 4 Miles SW of Mattoon LOGGED BY CNA

SECTION 28BR LOCATION NW. SEC. 4, TWP. 11N. RNC. 7E, 3rd PM

COUNTY Coles DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 015-8305 Surface Water Elev. 209.6 m
 Station 7+706.788 Stream Bed Elev. 209.4 m

BORING NO. 2 S. Abut. Groundwater Elev.:
 Station 7+704.1 First Encounter 208.4 m
 Offset 3.8 m Lt. Upon Completion m
 Ground Surface Elev. 210.5 m After Hrs.

Description	Depth (m)	Blow Count (mm)	Bulge (B)	Shear (S)	Penetration (P)	Moisture (%)	UCS (kPa)	Failure Mode
Dark Gray Silt Loam with Small Sand Seams	0.0 - 208.7	1		24				
Dark Gray Loam	208.7 - 208.1	2	115	14				
Brown Clay Loam Till with Small Oxidized Veins	208.1 - 206.7	1	517	13				
Gray Clay Loam Till	206.7 - 205.9	6	565	13				
End of Boring	205.9	10	316	13				

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)

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS