F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(1-1)I-1	LA SALLE	60	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 66550

SHEET NO. B5 OF 9 SHEETS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 11/13/01

ROUTE FAP 627(IL71) DESCRIPTION RETAINING WALL AT TONTI CANYON ON ILLINOIS 71 LOGGED BY K.W.

SECTION (M)W&RS,(I-1,D)R,W&RS RET. WALLS LOCATION SE 1/4, SEC. 22, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____

BORING NO. 3 B-3
Station 400+26
Offset 11.50ft LT
Ground Surface Elev. 578.75 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion NONE ft
After _____ Hrs. _____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED BITUMINOUS PAVEMENT Over Stone Base & Gray Weathered SHALE				
	576.25	5		
Very Stiff Brown-Gray Weathered SHALE with Limonite & Secondary Sulfur		7	2.0	18.0
		8	S	
	-5	5		
		10	-	16.0
		11	-	
	571.75			
Hard Gray SHALE		5		
		15	-	18.0
		17	-	
	-10			
	568.25	6		
Medium to Dense Black COAL (COLCHESTER NO. 2)		9	-	69.0
		11	-	
		7		
	565.25	27	-	34.0
Medium Gray CLAY (UNDERCLAY)		28		14.0
	563.75 -15			
Hard to Dense Gray SHALE		5		20.0
		12		
		17	4.5+P	16.0
		10		
		22	4.5	12.0
		36	P	
	-20			
Hard to Dense Gray SHALE *(continued)*		10		
		21	4.5	12.0
		27	P	
		26		
		82	-	8.0
		100/3"	-	
	-25	25		
		50	-	7.0
		115	-	
	551.75			
Dense ST. PETER SANDSTONE	551.25	100/3"		4.0
End of Boring				
	-40			

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
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 11/13/01

ROUTE FAP 627(IL71) DESCRIPTION RETAINING WALL AT TONTI CANYON ON ILLINOIS 71 LOGGED BY K.W.

SECTION (M)W&RS,(I-1,D)R,W&RS RET. WALLS LOCATION SE 1/4, SEC. 22, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. _____
Station _____

BORING NO. 4 B-4
Station 400+45
Offset 11.50ft LT
Ground Surface Elev. 578.36 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion NONE ft
After _____ Hrs. _____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED BITUMINOUS PAVEMENT & BASE Over Weathered SHALE				
	575.86	4		
Very Stiff Weahtered SHALE with Limonite & Secondary Sulfur		5	2.5	18.0
		8	S	
	-5	4		
		12	-	17.0
		15	-	
	571.36			
Dense Gray SHALE with Secondary Sulfur		5		
		14	-	18.0
		19	-	
	-10	11		
		15	-	25.0
	567.36	21	-	43.0
Hard Black COAL (COLCHESTER (NO. 2)		11		30.0
	564.86	22		
Hard Gray CLAY (UNDERCLAY)		24	4.5+P	17.0
	-15	7		
		14	4.5	13.0
		14	P	
		14		
		38	4.5	11.0
		56	P	
	559.36			
Dense (Hard) Gray SHALE	-20			
Dense (Hard) Gray SHALE *(continued)*		23		
		38	4.5	10.0
		49	P	
		16		
		32	4.5	12.0
		77	P	
	-25	36		
		100/3"	-	8.0
		-	-	
	551.36			
Dense ST. PETER SANDSTONE	550.86	100/3"		4.0
End of Boring				
	-40			

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)

DESIGNED BY J.M.L.	Farnsworth GROUP 2709 McGraw Drive Bloomington, Illinois 61704 309/663-8435 309/663-9571fax	FILE NO. 24-6772
DRAWN BY D.J.M.		DATE 03-24-05
CHECKED BY M.S.W.		SHEET NO. 24 OF 60

SOIL BORING/ROCK CORE LOGS
IL ROUTE 71
SOLDIER PILE RETAINING WALL
F.A.P. ROUTE 627 - SEC. (1-1)I-1
LA SALLE COUNTY
STATION 399+91.88 TO STATION 400+87.50
STRUCTURE NO. 050-W001