F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(1-1)I-1	LA SALLE	60	45
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 66550

SHEET NO. E5 OF 9 SHEETS

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. 1 B-1
Station 404+44
Offset 7.00ft LT
Ground Surface Elev. 583.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED BITUMINOUS PAVEMENT Over Weathered Gray SHALE					
	581.30				
Stiff Mix of Brown SILTY CLAY TILL & Weathered Gray SHALE			3		
			3	1.9	24.0
			3	P	
		-5			
			2		
			2	2.0	24.0
			3	P	
	576.80				
Stiff Brown Reworked SILTY CLAY TILL with Traces of Colluvial Gray SHALE			WOH		
			2	1.7	26.0
			3	P	
	574.30				
Very Stiff Weathered Gray SHALE with Secondary Sulfur, Limonite FRANCIS CREEK SHALE CARBONDALE FORMATION PENNESLVANIAN SYSTEM		-10	3		
			4	3.0	24.0
			5	P	
	570.80		3		
Medium Black COAL with Argillaceous Material (COLCHESTER NO. 2)			6	-	74.0
			9	-	
		-15			
			5		
	567.80		5	-	55.0
Very Stiff Gray CLAY (UNDERCLAY) TRADEWATER FORMATION	567.30		8	3.5P	21.0
Very Stiff Gray SHALE with Secondary Sulfur			10		
			24	3.2	17.0
			31	S	
		-20			
Very Stiff Gray SHALE with Secondary Sulfur *(continued)*			11		
			25	4.0	14.0
			47	S	
			19		
			38	3.0	12.0
			64	S	
		-25			
			10		12.0
	558.00		100/3"		4.0
Dense ST. PETER SANDSTONE ANCELL GROUP ORDOVICIAN SYSTEM	557.80				
End of Boring					
		-30			
		-35			
		-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. 2 B-2
Station 404+79
Offset 8.00ft LT
Ground Surface Elev. 585.62 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED BITUMINOUS PAVEMENT Over Broken Concrete or Base Coarse Material Over Weathered Gray SHALE					
	583.12				
Medium Brown & Gray SILTY CLAY TILL with Pieces of Gray Weathered SHALE			3		
			3	0.7	27.0
			2	P	
	581.12				
Soft Brown SILTY LOAM with Pieces of Till & Colluvial Plant Organics		-5			
			1		
			2	0.4	24.0
			1	P	
	578.62				
Very Stiff Mix of SILTY CLAY TILL with Weathered SHALE & Colluvial Plant Organics			1		
			3	2.2	26.0
			4	S	
		-10			
			3		
			3	2.5	16.0
			4	P	
	573.62				
Very Stiff Gray Weathered SHALE with Limonite & Secondary Sulfur			3		
			6	2.5	25.0
			10	S	
		-15			
	570.12		1		
Thin Black COAL Seam Mixed with Gray SHALE & CLAY with Secondary Sulfur (COLCHESTER NO. 2)			3	-	79.0
			3	-	
	567.62		5		46.0
Dense (Hard) Gray SHALE with Secondary Sulfur			12		
			17	-	17.0
		-20			
Dense (Hard) Gray SHALE with Secondary Sulfur *(continued)*			10		
			25	4.5	13.0
			40	P	
			17		
			52	-	11.0
			100	-	
		-25			
			30		
	559.62		77	-	10.0
Dense ST. PETER SANDSTONE	558.62		100/3" 100/2"	-	4.0
End of Boring					
		-30			
		-35			
		-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	Farnsworth GROUP	FILE NO.
J.M.L.	2709 McGraw Drive	24-6772
DRAWN BY	Bloomington, Illinois 61704	DATE
D.J.M.	309/663-8435, 309/663-1571 fax	03-24-05
CHECKED BY		SHEET NO.
M.S.W.		45 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 403+94.31 TO STATION 405+31.53
STRUCTURE NO. 050-W002