F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(1-1)I-1	LA SALLE	60	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 66550

SHEET NO. 87 OF 9 SHEETS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 11/28/01

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. 8 ROCK CORE-3
Station 400+05
Offset 11.00ft LT
Ground Surface Elev. 579.26 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 Stone Base Over Weathered Gray SHALE	574.26	-5			
Weathered Gray SHALE	571.26		3		
			7	-	17.0
			10	-	
Dense Gray SHALE	567.76	-10	4		
			8	-	22.0
			16	-	
Black COAL	565.76				
Dense Gray SHALE	560.26	-15	5		
			19	-	13.0
			18	-	
Dense Gray SHALE with Sand Grains in a Clay Matrix		-20			
Dense Gray SHALE with Sand Grains in a Clay Matrix *(continued)*		-25	12		
			33	-	9.0
			42	-	
			20		
			52	-	7.0
			73	-	
TOP OF ST. PETER SANDSTONE	552.26				
Borehole continued with rock coring.	551.26	-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
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Illinois Department of Transportation

ROCK CORE LOG

Page 1 of 1

Date 11/28/01

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 CORING METHOD

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE 5' DOUBLE BARREL
Core Diameter 2.1 in
Top of Rock Elev. 574.26 ft
Begin Core Elev. 551.26 ft

BORING NO. 8 ROCK CORE-3
Station 400+05
Offset 11.00ft LT
Ground Surface Elev. 579.26 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
ST. PETER SANDSTONE , White, Fairly Well Cemented	551.26		1	63	41		31.5
Qu Moisture Samples = 8.1% & 6.8%		-30					
			2	98	60		64.1
		-35					
	541.26						
End of Boring		-40					
		-45					

Color pictures of the cores Yes
Cores will be stored for examination until 2003
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

DESIGNED BY	FILE NO.
J.M.L.	24-6772
DRAWN BY D.J.M.	DATE 03-24-05
CHECKED BY M.S.W.	SHEET NO. 26 OF 60

Farnsworth GROUP
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8455, 309/663-5571fax

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