CONTRACT NO. 66372

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(I-1) BR & I	LA SALLE	106	57
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 69 OF 12 SHEETS

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 12/23/02

ROUTE FAP 627(IL71) DESCRIPTION RETAINING WALL NEAR S.N. 050-2002 IN STARVED ROCK PARK LOGGED BY LM-IDOT

SECTION (M)W&RS,(I-1,D)R,W,&RS STARVED ROCK PARK LOCATION SE 1/4, SEC. 23, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. _____
Station _____

BORING NO. 23 hennepin canyon
Station 462+69.39
Offset 6.00ft LT
Ground Surface Elev. 570.08 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 Gray SILTY CLAY LOAM			
567.58			
Very Stiff Gray & Brown SILTY CLAY LOAM with Pieces of Red SHALE	3		
566.08	3	2.3	26.2
	4	P	
Medium Red SHALE			
-5	2		
	2	-	20.8
	3	-	
563.08			
Medium Brown SILTY CLAY	1		
	2	0.7	28.9
	2	B	
560.58			
Stiff Brown & Gray Weathered CLAY SHALE			
-10	4		
	3	1.4	27.7
	3	S	
	3		
	5	1.9	21.6
	7	S	
-15			
	2		
	5	2.4	24.7
553.58	10	S	
BLACK COAL with Minor Interbedded CLAY Layrers			
	8		
	24	-	51.9
	16	-	
550.08 -20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray CLAY SHALE with SANDY Layers	11		
	19	4.5	11.0
	27	P	
547.58			
Dense Brown & White Weathered SANDSTONE with Pieces of Gray SHALE @ 26'	50		
	74	-	9.5
	100	-	
-25			
	70		
	80	-	10.2
	137	-	
543.08			
Hard Gray SHALE	24		
	70	-	7.3
	136	-	
-30			
	20		
	40	-	12.4
539.08	100/1"	-	
Dense White ST. PETER SANDSTONE 538.58			
End of Boring			
-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
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 4/8/05

ROUTE FAP 627(IL71) DESCRIPTION RETAINING WALL AT HENNEPIN CANYON LOGGED BY LM

SECTION (M)W&RS,(I-1,D)R,W,&RS STARVED ROCK PARK LOCATION SE 1/4, SEC. 23, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. _____
Station _____

BORING NO. 24 hennepin canyon
Station 461+95
Offset 6.00ft LT
Ground Surface Elev. 574.74 ft

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

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bituminous Cored Concrete and Augered Brown Silty Clay Loam Fill			
572.24			
Stiff Brown and Red Silty Clay Loam Fill	4		
	2	1.0	22.6
	2	P	
570.24			
Very Stiff Brown/Gray Silty Clay			
-5	3		
	3	3.0	23.0
	4	P	
	3		
	4	2.7	21.5
	5	S	
-10			
	2		
	4	2.2	22.8
	5	S	
562.24			
Hard Brown and Gray Weathered and reworked Shale with pieces of Limonite	2		
	8	4.5	17.8
	12	P	
-15			
	4		
	9	4.5	17.1
	12	P	
	8		
	10	>4.5	18.7
	14	P	
554.74 -20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Shale with Limonite Seams	4		
	11	>4.5	25.2
553.24	14	P	
Black Coal with Limonite veins and interclay Seams	30		
	47		20.3
	26		
549.74 -25			
Hard Gray Underclay	13		
	23	>4.5	10.0
	38	P	
547.24			
Very Stiff Gray Weathered and Reworked Sandstone	70		
	100/3"	3.0	8.1
		P	
-30			
544.24	45		9.1
Hard Gray Shale	43		
Sandy @ 35'	78	>4.5	7.7
		P	
	35		
	100/4"		5.7
-35			
539.24	17		
Hard White and Brown Weathered Sandstone (St Pete)	100/3"		6.7
non weathered around 37'-38'			
Auger Refusal at 42'	100/3"		
			2.4
-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, 309/663-8371fax	05-12-06
CHECKED BY		SHEET NO.
M.S.W.		57 of 106

SOIL BORING LOGS
IL ROUTE 71
SOLDIER PILE RETAINING WALL
F.A.P. ROUTE 627 - SEC. (I-1) BR & I
LA SALLE COUNTY
STATION 462+24.35 TO STATION 464+94.66
PROPOSED STRUCTURE NO. 050-W004