District Nine Materials — Boring Log

SBI 13A (Od IL Rte 13) Over stream — Sheet 1 of 1

Route: SBI 13A — Structure Number: 083-0049 — Date: 8/9/2011

Section 8B-DR — Bored By: R Moberly

County: Saline — Location: 0.4 mi W of Carrier Mills Road — Checked By: R Graeff

Boring No 1-S
Station 758+63
Offset 10' Rt CL
Ground Surface 393.1 Ft

Surf Wat Elev: 381.6
Ground Water Elevation when Drilling
At Completion
At: Hrs:

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Asphalt and concrete					35	5.4S	12
391.6					49		
Stiff, moist, grey mottled brown, Silty Clay A-6	2						
	3	1.7B	22	365.6	35		
	3			Hard, dry, grey, Clay Shale 369.1	100/4"		
388.6				Cored 27.9 to 32.9 feet			
Stiff, moist to very moist, grey, 5.0	1			72% Recovery; 0% RQD			
Silty Clay A-6	2	1.1B	25	Hard, dry, grey, Clay Shale 30.0			
	2						
386.1				360.1			
Medium, very moist, grey, Silty	WH			Cored 32.9 to 37.9 feet			
Clay A-6	1	0.6B	26	47% Recovery; 0% RQD			
	1			Hard, dry, grey, Clay Shale			
10.0	WH			35.0			
	1	0.5B	28				
	1						
381.1				Test @ 84 psi			
Medium, moist, grey, Silty Clay	2			355.1			
A-6 with rotten wood	2	0.6B	41	Cored 37.9 to 42.9 feet			
	1			100% Recovery; 60% RQD			
378.6				Hard, dry, grey, Limestone with			
Medium to stiff, moist to very 15.0	2			Clay and Clay Shale Seams 40.0			
moist, grey mottled brown, Clay	2	1.0B	24				
A7-6	3			Test @ 134 psi			
376.1							
Stiff, moist, brown mottled grey,	1			Test @ 5,584 psi			
Clay to Silty Clay A7-6	4	1.7B	21	350.1			
	5			Bottom of hole = 42.9 feet			
20.0	2			No free water observed 45.0			
	4	1.6B	24				
	5			Elevation referenced to BM 083-0049; Elev.= 393.4 feet			
371.1							
Hard, damp, brown and grey,	9			Borehole advanced with hollow			
Clay A7-6 to Weathered	28	4.2S	16	stem auger (8" O.D, 3.25" I.D.)			
Clay Shale	47						
				To convert "N" values to "N60" multiply by 1.25			
25.0	13			50.0			

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

District Nine Materials — Boring Log

SBI 13A (Od IL Rte 13) Over stream — Sheet 1 of 1

Route: SBI 13A — Structure Number: 083-0049 — Date: 8/11/2011

Section 8B-DR — Bored By: R Moberly

County: Saline — Location: 0.4 mi W of Carrier Mills Road — Checked By: R Graeff

Boring No 2-S
Station 759+34
Offset 11' Lt CL
Ground Surface 394.1 Ft

Surf Wat Elev: 381.6
Ground Water Elevation when Drilling
At Completion
At: Hrs:

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Asphalt				Cored 24.5 to 29.5 feet			
392.6				100% Recovery; 43% RQD			
Medium, moist, brown, Clay to				Hard, dry, grey, Clay Shale			
Silty Clay A7-6	1			Test @ 550 psi			
	2	0.9B	22				
	2			Test @ 792 psi			
389.6				364.6			
Stiff, moist, brown, Silty Clay A-6 5.0	1			Cored 29.5 to 34.5 feet	30.0		
	2	1.8B	22	100% Recovery; 53% RQD			
	3			Hard, dry, grey, Clay Shale with a 7" Clay A7-6 layer			
387.1							
Medium, very moist, brown and	2			Test @ 232 psi			
grey, Silty Clay A-6	2	0.8B	26	Test @ 288 psi			
	3						
384.6				359.6			
Stiff, moist, brown mottled grey, 10.0	2				35.0		
Silty Clay A-6	3	1.3B	26				
	4			Cored 34.5 to 39.5 feet			
382.1				60% Recovery; 0% RQD			
Medium, very moist, brown	1			Hard, dry, grey, Clay Shale with			
mottled grey, Silty Clay A-6	3	0.9B	22	Clay layers			
	3						
379.6				354.6			
Very stiff, damp to moist, brown 15.0	4				40.0		
and grey, Clay A7-6	7	3.5S	15	Bottom of hole = 39.5 feet			
	10			No free water observed			
377.1							
Hard, damp, brown and grey,	8			Elevation referenced to BM 083-0049; Elev.= 393.4 feet			
Clay to Weathered Clay Shale	28	5.6S	14				
A7-6	40			Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)			
20.0	11				45.0		
	43	4.1S	11	To convert "N" values to "N60" multiply by 1.25			
	52						
372.1	11						
Hard, dry, grey, Clay Shale	100/9"						
369.6							
Test @ 350 psi 25.0					50.0		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

FILE NAME = D978268-sht-borings.dgn
CB PROJECT NO 08055-24

Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

USER NAME = $USER$	DESIGNED - CME	REVISED -
	CHECKED - MCB	REVISED -
PLOT SCALE = $SCALE$	DRAWN - MML	REVISED -
PLOT DATE = 1/23/2014	CHECKED - MCB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 083-2022
SHEET NO. 6 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	8B-1	SALINE	33	23
		CONTRACT NO. 78268		
	ILLINOIS FED. AID PROJECT			