

S.A.M. Consultants, Inc. 500 East 22nd Street
Geotechnical Engineering & Materials Testing
Lombard, IL 60148
Telephone: 630-424-1200
FAX: 630-424-1245

BORING NUMBER SB-3
PAGE 1 OF 1

CLIENT: Smith Engineering Consultants, Inc. PROJECT NAME: Manhattan - Arsenal Road over Jackson Creek
 PROJECT NUMBER: SAM-08-GT-027 PROJECT LOCATION: Will County, Illinois
 DATE STARTED: 7/31/06 COMPLETED: 7/31/06 GROUND ELEVATION: 607.50 ft HOLE SIZE: 8
 DRILLING CONTRACTOR: C.S. Drilling GROUND WATER LEVELS:
 DRILLING METHOD: NX Diamond Core Bit AT TIME OF DRILLING: 18.0 ft / Elev 589.5 ft
 LOGGED BY: Ron Clauson CHECKED BY: RC AT END OF DRILLING: 18.0 ft / Elev 589.5 ft
 NOTES: Water reported in the surface of creek from top of bridge deck. N/A after drilling: 16.0 ft / Elev 589.5 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RUD)	BLOW COUNTS (N VALUE)	POCKET PEN. (psi)	DRY UNIT WT. (pcf)	ATTERBERG LIMITS						
								LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)	FINES CONTENT (%)			
0		Approximately 4 inches of ASPHALT Approximately 22 inches of reinforced-hollow core CONCRETE panels (BRIDGE DECK) AIR between bridge deck and creek surface												
20		Water and very soft creek sediments												
22		Gray LEAN CLAY, trace sand and gravel, stiff (CL)	SS 1	80	3-4-9 (13)	2.25		27						
25		Highly weathered LIMESTONE bedrock, some clay seams, very dense Apparent Auger Refusal Bottom of hole at 25.0 feet.	SS 2	78	5-6-48 (54)			7						

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BORING NUMBER SB-4
PAGE 1 OF 2

CLIENT: Smith Engineering Consultants, Inc. PROJECT NAME: Manhattan - Arsenal Road over Jackson Creek
 PROJECT NUMBER: SAM-08-GT-027 PROJECT LOCATION: Will County, Illinois
 DATE STARTED: 7/31/06 COMPLETED: 7/31/06 GROUND ELEVATION: 606.34 ft HOLE SIZE: 8
 DRILLING CONTRACTOR: C.S. Drilling GROUND WATER LEVELS:
 DRILLING METHOD: NX Diamond Core Bit AT TIME OF DRILLING: 14.5 ft / Elev 581.8 ft
 LOGGED BY: Ron Clauson CHECKED BY: RC AT END OF DRILLING: N/A
 NOTES: Water used during coring invalidates "End" readings. N/A after drilling: N/A

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RUD)	BLOW COUNTS (N VALUE)	POCKET PEN. (psi)	DRY UNIT WT. (pcf)	ATTERBERG LIMITS						
								LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)	FINES CONTENT (%)			
0		Approximately 10 inches ASPHALT FILL: Brown, dark brown and black LEAN CLAY, trace sand and gravel, some pockets of fat clay	SS 1	87	2-2-3 (5)	1.25		19						
2			SS 2	78	2-5-11 (16)	4.0		15						
4			SS 3	78	2-3-4 (7)	1.0		22						
6			SS 4	83	2-2-3 (7)	1.0		29						
8			SS 5	89	2-2-4 (3)	0.75		32						
10			SS 6	78	2-2-3 (5)	0.5		26						
12		Black LEAN to FAT CLAY with sand, trace gravel, medium stiff (CL-CH) Brownish gray to gray LEAN CLAY, some sand seams, trace gravel, stiff (CL)	SS 7	89	3-5-7 (12)	3.0		24						
14			SS 8	88	3-3-4 (7)	2.5		23						
16		Gray SILT with clay and sand seams, trace gravel, very stiff, (ML)	SS 9	89	7-7-8 (15)	4.5		10						
18		Alternate layers of highly weathered LIMESTONE bedrock and CLAY seams, very stiff	SS 10	89	25-28-34 (60)	4.5		6						
20			SS 11	0	45-50									
25		Weathered LIMESTONE bedrock: RQC (54.0%) Recovery (53.3%)												

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CLIENT: Smith Engineering Consultants, Inc. PROJECT NAME: Manhattan - Arsenal Road over Jackson Creek
 PROJECT NUMBER: SAM-08-GT-027 PROJECT LOCATION: Will County, Illinois

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RUD)	BLOW COUNTS (N VALUE)	POCKET PEN. (psi)	DRY UNIT WT. (pcf)	ATTERBERG LIMITS						
								LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)	FINES CONTENT (%)			
25		Weathered LIMESTONE bedrock: RQC (54.0%) Recovery (53.3%) (continued)												
38.5		Bottom of hole at 38.5 feet.												

SEDTech BY COLLUMS - BRIDGE BORINGS FOR MANHATTAN-ARSENAL ROAD OVER JACKSON CREEK

DESIGNED	KMA
CHECKED	AEU
DRAWN	MDJ
CHECKED	RGD



WILL COUNTY DEPARTMENT OF HIGHWAYS

SOIL BORING LOGS
MANHATTAN-ARSENAL ROAD
OVER JACKSON CREEK
WILL COUNTY
SECTION NO. 02-00117-21-BR
STRUCTURE NO. 099-3395

DATE 12-8-2006

COMPANY: S.A.M. CONSULTANTS, INC. PROJECT: MANHATTAN-ARSENAL ROAD OVER JACKSON CREEK
CLIENT: WILL COUNTY DEPARTMENT OF HIGHWAYS
DRAWN BY: MDJ
CHECKED BY: RGD