

0531-14

DELAWARE DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
MATERIALS AND RESEARCH SECTION

F.A. Project:
Contract: 93-076-03 REPLACEMENT OF BRIDGE # 707 SILVER LAKE REHOBOTH
Boring Loc.: STA. 0+80, CENTERLINE

Boring No.: SB#1

Boring Surface Elev:		Reference:	
Wt. of Casing Hammer:	Lbs.	Average Fall:	IN.
Wt. of Sample Hammer: 140	Lbs.	Average Fall: 30	IN.
Type of: D-Sampler: SPLIT BARREL	O.D.	O.D. of SAMPLER: 2	IN.
S-Sampler:	O.D.	O.D. of SAMP.TUBE:	IN.
U-Sampler: BALL	O.D.	O.D. of SAMP.TUBE: 2	IN.
Core Bit :	O.D.	O.D. of ROCK CORE:	IN.

Casing Size: 2 1/2	Inches;	From Depth of: 0.0'	To: 42.0'
HOLLOW STEM AUGER		From Depth of:	To:

Water Level Readings:

Date	Time	Depth of Hole	Depth of Casing	Depth of Water	Elev. of Water
/ /					
/ /					
/ /					
/ /					

Pay Quantities:

2 1/2 in. Dia. Dry Sample Boring:	85.0	Ft.;	Dia. U-Sample Boring:	Ft.
No. of 2 in. Dia. Shelby Tubes:		;	No. of: 2" U-Samples: 2	
2 1/2 in. Dia. Contin. Sample Boring:		Ft.;	Core Drilling in Rock:	Ft.

Boring Contractor: WALTON CORP.
Driller: GARY TRUVER
Helpers: MIKE BAIN

Remarks:

Reviewed By: RANDY FERGUSON Soils Supervisor: JOE SCHOLD

NOTES:

1. Make a separate log of each boring & each unsuccessful attempt. Keep a copy of all logs in the field.
2. In daily progress column indicate depth at beginning and end of work day, calendar date, time at beginning and end of work day and weather conditions.
3. All samples shall be numbered in consecutive order regardless of type; dry samples D, wash samples W, shelly tube samples S, undisturbed samples U. Do not assign numbers to lost samples but record blows and reasons for lack of recovery.
4. Mark each U-sample with boring number, sample number, depth, recovery and job number.
5. Record blows on sample, per six inches of penetration. Note all blows and penetrations when taken at less than six inch intervals. Indicate method by which penetration of tube sampler was obtained.
6. Indicate changes of material in strata column and list generalized strata classifications.
7. List under remarks the manner by which changes in material were detected, all obstructions, any loss or gain of wash water including amount, the recovery of rock cores in feet and inches and percent of run, and any unusual occurrences.

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BORING NO. SB#1

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DAILY PROGRESS	NO.	SAMPLE DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
03/17/94	1	10.5'	W/H	No Sieve Analysis - Indication of Saturated soft grayish brown silt w/some organic matter and fine to coarse sand.	-----	10.5' From Bridge Deck to Lake Bottom
		12.0'	W/H			
9" Recovery						
	2	15.0'	W/H	No Sieve Analysis - Indication of Saturated soft grayish brown peat.	-----	Note : Sample # 2 Had a Fuel Oil Odor.
		16.5'	W/H			
8" Recovery						
	3	20.0'	W/R	No Sieve Analysis - Indication of Saturated soft grayish brown peat.	-----	
		21.5'	W/R			
18" Recovery						
	4	24.0'	7	Saturated medium dense gray fine sand w/trace of silt and coarse sand.	A-3 (0)	
			11			
		25.5'	9			
12" Recovery						
	5	29.0'	8	Saturated medium dense greenish brown fine sand w/trace of silt and coarse sand.	A-3 (0)	
			9			
		30.5'	9			
18" Recovery						
	6	34.0'	11	Wet medium dense greenish brown fine sand w/some coarse sand and silt, trace of gravel.	A-2-4 (0)	
			8			
	6A	35.5'	5	Saturated firm greenish brown organic clay w/some fine sand, trace of coarse sand.	A-7-6 (15)	
18" Recovery						
ST #1		35.5'	Press Sample	Shelby Tube Sample - No Sieve Analysis	-----	
		37.5'				
24" Recovery						
	7	37.3'		No Sieve Analysis - Indication of Saturated dark gray clay w/some organic matter, trace of fine sand.	-----	Sample # 7 Obtained From Shelby Tube ST#1
		37.5'				

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DAILY PROGRESS	SAMPLE NO.	DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
03/17/94	8	37.5'	8	Saturated very stiff dark gray clay w/some	A-7-6 (20)	
			9	organic matter, trace of fine to coarse sand		
		39.0'	10	and seashells.		
12" Recovery						
	9	44.0'	5	Saturated very stiff dark gray clay w/some	A-7-5 (25)	
			7	organic matter, trace of fine sand and		
		45.5'	9	seashells.		
12" Recovery						
	10	49.0'	4	Saturated stiff dark gray clay w/some organic	A-7-5 (23)	
			6	matter, trace of fine sand.		
		50.5'	8			
11" Recovery						
	11	54.0'	3	Saturated stiff dark gray clay w/some organic	A-7-5 (17)	
			5	matter, trace of fine sand.		
		55.5'	7			
14" Recovery						
	12	59.0'	2	Saturated stiff dark gray clay w/some organic	A-7-5 (20)	
			4	matter, trace of fine to coarse sand.		
		60.5'	5			
12" Recovery						
	13	64.0'	3	Saturated stiff dark gray silty clay w/some	A-6 (13)	
			5	fine sand and organic matter, trace of coarse		
		65.5'	7	sand.		
15" Recovery						
ST	65.5'	Press		Shelby Tube Sample - No Sieve Analysis		
#2		Sample				
	67.5'					
19" Recovery						
	14	67.3'		No Sieve Analysis - Indication of Saturated		Sample # 14 Obtained
		67.5'		dark gray clay w/trace of organic matter,		From Shelby Tube ST#2
				fine to coarse sand and seashells.		

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DAILY PROGRESS	SAMPLE NO.	DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
03/17/94	15	67.5'	5	No Sieve Analysis - Indication of Saturated		
			5	stiff dark gray clay w/trace of organic		
		69.0'	6	matter, fine to coarse sand and seashells.		
11" Recovery						
03/18/94	16	74.0'	8	Saturated medium dense dark gray silty	A-2-4 (0)	
			9	coarse to fine sand w/trace of organic		
		75.5'	14	matter, gravel and seashells.		
16" Recovery						
17		79.0'	3	Saturated stiff dark gray clay w/some organic	A-7-6 (14)	
			5	matter, trace of fine to coarse sand and		
		80.5'	8	seashells.		
13" Recovery						
18		83.5'	9	Saturated very dense dark gray fine sand	A-3 (0)	2 Attempts Made @ 88.5
			27	w/some coarse sand, trace of silt, gravel		No Recovery Boring
		85.0'	26	and seashells.		Terminated
18" Recovery						
(END)						

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