ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A. 646	(102) BR-3	Whiteside	57	34
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 22
24 SHEETS

CONTRACT NO. 64426

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Two Materials
Hahnaman Township; NE 21; T19N, R7E
BM: CL Roadway @ center of bridge = 100.00

Units English
Bridge Foundation
Boring Log

Sh. 1 of 3

PROJECT .P-92-059-99 **BRIDGE** IL 40 over Winnebago Ditch, 1.0 mile north of Deer Grove **Date** 12/10/99

ROUTE FA 646 **Bored By** W. Garza

SEC. 102 BR-1 **STA.** 558 + 37.8 **Checked By** J. Twardowski

COUNTY Whiteside
Boring No. B-1
Sta 559 + 25
O/S 19' Rt CL

Surf Wat El. 86.0
Grndwater El. at Compl Wash
Streambed = 85.6
At ____ **Hrs** ____

Description	DEPTH	N	Qu t/sf	W %
Ground Surface 99.1 (647.3)	0			
VERY SOFT brown SILTY LOAM			0.0 P	12
MEDIUM dark brown SANDY LOAM		2 3 4	1.0 P	10
VERY LOOSE tan/brown dirty SAND with fine SAND lens	-5	1 2 2		12
LOOSE tan dirty fine SAND		1 2 3		
LOOSE tan rust fine SAND	-10	2 3 3		
VERY LOOSE gray tan dirty SAND		1 1 1		39
First Encounter V LOOSE gray fine SAND with ORGANICS	-15	1 3 4		31
VERY LOOSE gray fine SAND with SILT lens		2 2 2		
LOOSE gray fine SAND	-20	2 2 5		
		next column		

Description	DEPTH	N	Qu t/sf	W %
No Recovery (wash)		2 2 5		
LOOSE gray fine SAND (wash)	-25	2 3 6		
LOOSE gray tan fine SAND (wash)		2 4 6		
MEDIUM gray fine SAND (wash)	-30	3 6 7		
LOOSE gray, clean medium coarse SAND (wash)		1 2 4		
LOOSE Same as above	-35	3 4 4		
LOOSE gray clean medium coarse SAND (wash)	-40	3 4 5		
	-45			

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

Sheet 1 of 3

Units English
Project .P-92-059-99
Route FA 646
Sec. 102 BR-1
County Whiteside

Sh. 2 of 3

Boring No. B-1
Sta 559 + 25
O/S 19' Rt CL

Description	El.	N	Qu t/sf	W %
MEDIUM gray SAND with GRAVEL (wash)	-45	3 7 7		
LOOSE/MEDIUM gray SAND with GRAVEL (wash)	-50	4 5 5		
MEDIUM gray SAND with GRAVEL (wash)	-55	2 6 10		
MEDIUM gray SAND with GRAVEL (wash)	-60	4 7 8		
MEDIUM gray SAND with GRAVEL (wash)	-65	4 6 10		
	-70			

Description	El.	N	Qu t/sf	W %
MEDIUM gray medium coarse SAND (wash)	-70	3 6 8		
MEDIUM Same as above (wash)	-75	4 7 9		
MEDIUM gray SILT (wash)	-80	3 5 6	0.7 P	29
STIFF gray SILTY LOAM (wash)		2 4 7	1.9 B	26
STIFF gray SILTY CLAY very little recovery (wash)	-85	2 4 5	1.7 P	25
VERY STIFF gray SILTY CLAY (wash)		3 5 7	2.6 S	30
VERY STIFF gray SILTY CLAY (wash)	-90	6 9 13	3.5 S	32
top MEDIUM gray SILTY CLAY;bottom fine SAND (wash)		4 8 10		31
	-95			

Sheet 2 of 3

SOIL BORING B-1

SOIL BORING LOG
IL RTE 40 OVER WINNEBAGO DITCH
F.A.P. 646 SECTION (102)BR-3
WHITESIDE COUNTY
STATION 558+38
S.N. 098-0109

DESIGNED DDB
CHECKED AMPH
DRAWN JDB
CHECKED DDB

RANDOLPH & ASSOCIATES, INC.
CONSULTING ENGINEERS • LAND SURVEYORS

FILE NUMBER 136.110
DATE Aug. 2005

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8/8/2005