ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
TR-131	03-01176-00-BR	UNION	22	13A
JOB. NO. C-99-542-04		PROJECT NO. BROS-0181(039)		
MORGAN SCHOOL ROAD		CONTRACT NO. 99214		

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials
Bridge Foundation Boring Log
Sheet 1 of 2

TR 131 (Morgan School Road) Over Cany Creek
Route: TR 133 Structure Number: 091-3075 Date: 8/4/98
Section: Location: SE 3/4, Section 20, T12S, R2W Bored By: RM
County: Union Checked By: JZ

Boring No 1-S
Station 14' N of N Abutment
Offset 2' E CL
Ground Surface 100.3 Ft

Surf Wat Elev: 84.5
Ground Water Elevation when Drilling 82
At Completion 83.8
At: Rrs:

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Multi A-1 & Crushed Aggregate 96.8				Medium, very moist, grey, Silty Clay A-6 73.3	1 1	0.9B	31
Medium to loose, moist, brown, broken gravel with clay binder 93.3	5 4 2	0.8E	18	Medium to soft, very moist, grey, Silty Clay Loam A-4 70.8	1 WH 1	0.5B	32
Medium, moist, brown, Silt Loam A-4	1 1 1	0.7S	22	Stiff, moist, grey, Silty Clay to Clay A-6 68.3	WH 1 2	1.2B	29
Medium to soft, moist to very moist, brown mottled grey, Silty Clay Loam to Silt Loam A-4	WH WH 1	0.5S	30	Medium, moist, grey, Gravel 65.8	2 9 7	----	
Very soft to soft, very moist, grey, Silt Loam to Silty Clay Loam A-4	WH WH WH	0.2B	33	Stiff, moist, grey, Clay A7-6 63.3	1 2 2	1.1B	23
Medium, moist to very moist, brown, Silty Clay Loam A-4 with rotted vegetation 81.8	WH 2 4	0.7B	50	Stiff, moist, grey, Silty Clay to Silty Clay Loam A-6 60.8	1 3 4	2.1B	25
Loose, wet, brown and grey, Gravel 77.3	2 4 5 2 2	----		Very stiff, moist, grey, Clay to Silty Clay A7-6 55.8	2 3 10	1.6B	26
Medium, very moist, grey, Silty Clay Loam A-4 75.8	1	0.6B	32	Stiff, moist, grey, Clay A7-6 54.8			
	25.0 WH			Medium, moist, grey, Gravel with some Clay binder 50.8	50.0 6		

Sheet 2 of 2
Date: 8/4/98

Route: TR 131
Section:
County: Union

Boring No: 1-S
Station: 14' N of N Abutmen
Offset: 2' E CL
Ground Surface: 100.3 Ft

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Medium, moist, grey, Sandy Gravel 40.8	11 18	----		Bottom of hole = 71.0 feet Free water observed at 18.0 feet Elevation referenced to center of existing structure; Assumed elevation = 100.0 feet To convert "N" values to "N60" values multiply by 1.25			
	55.0 5 9 17	----			80.0		
	60.0 9 50 40	----			85.0		
Very dense, damp, white, broken Chert Gravel 100/ 9"	65.0 9 28 72				90.0		
	70.0 27 21 29.3 11				95.0		
	75.0				100.0		

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials
Bridge Foundation Boring Log
Sheet 1 of 2

TR 131 (Morgan School Road) Over Cany Creek
Route: TR 131 Structure Number: 091-3075 Date: 8/4/98
Section Bored By: RM
County: Union Location: SE 1/4, Section 20, T12S, R2W Checked By: JZ

Boring No 2-S
Station 18' S of S Abutment
Offset 1' W CL
Ground Surface 100.0 Ft

Surf Wat Elev: 84.5
Ground Water Elevation when Drilling 82.0
At Completion 83.5
At: Rrs:

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Multi A-1 & Crushed Aggregate 99.0				Stiff, moist to very moist, grey, Clay A7-6	1 1	1.1B	31
Medium to loose, moist, brown, Broken Gravel with clay binder 97.0	5 5 3	0.8P	17		1 2 2	1.1B	28
Medium, moist, brown, Silt Loam A-4	1 2 1	0.7S	18	Medium, very moist, grey, Silty Clay A-6 68.0	30.0 WH 1 1	0.8B	32
	1 2 1	0.7S	26	Medium, very moist, grey, Silty Clay A-6 with gravel 65.5	WH 2 3	0.9P	26
Soft, very moist, brown, Silt Loam A-4 85.5	10.0 1 1 1 WH WH WH	0.6S 0.4B	28 32		35.0 1 2 2 1 2 3	1.6B 2.1B	28 29
Soft, very moist, grey, Silty Clay Loam A-4 83.0	15.0 WH WH WH	0.4B	32	Stiff, moist, grey, Clay A7-6 55.5	40.0 1 3 5	2.7B	28
Medium, very moist, grey mottled brown, Silty Clay Loam A-4 with rotten vegetation 81.5	WH 1 1	0.6B	42				
Loose to very loose, very moist, grey, Gravel with some Sand and Clay binder 78.0	20.0 1 2 2	----			45.0 2 9 12	----	
Medium, very moist, grey, Clay to Silty Clay A7-6 75.5	1 1 1	0.7B	33	Medium, moist, grey, Gravel			
	25.0 WH				50.0 2		

Sheet 2 of 2
Date: 8/4/98

Route: TR 131
Section:
County: Union

Boring No: 2-S
Station: 18' S of S Abutmen
Offset: 1' W CL
Ground Surface: 100.0 Ft

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Medium, moist, grey, Gravel 45.5	7 14	----					
Dense to very dense, damp, white, Chert Gravel 38.0	55.0 46 29 42	----			80.0		
	60.0 10 33 15	----			85.0		
Bottom of hole = 61.0 feet Free water observed at 18.0 feet Elevation referenced to center of existing structure; Assumed elevation = 100.0 feet To convert "N" values to "N60" values multiply by 1.25							
	85.0				90.0		
	70.0				95.0		
	75.0				100.0		

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

UNION COUNTY HIGHWAY DEPARTMENT
UNION COUNTY, ILLINOIS
MORGAN SCHOOL ROAD BRIDGE REPLACEMENT
SOIL BORING LOGS