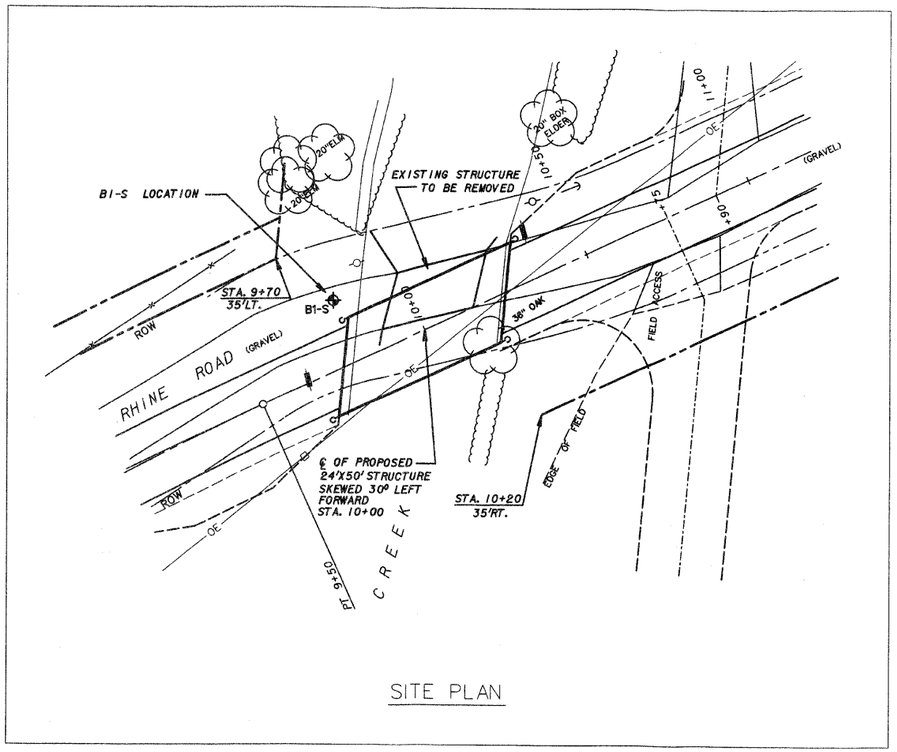
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
T.R. 51	04-01182-00-BR	UNION	15	15
JOB NO. C-99-549-04		PROJECT NO. BROS-181 (26)		
RHINE ROAD		CONTRACT NO. 99216		



SITE PLAN

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

TR 51 (Rhine Road) Over Creek

Route: Structure Number: 091-3227 Date

Section 04-01182-00-BR Bored By:

County: Union Location: 4.6 M SW of Alto Pass Checked By:

Boring No 1-S
Station 9+80
Offset 18' N CL
Ground Surface 382.0 Ft

Surf Wat Elev: 373.0
Ground Water Elevation
when Drilling 372
At Completion
At: Hrs:

	DEPTH	BLOW	Qu tsf	W%	DEPTH
Dense, damp, brown, Sandy Gravel					
		4			
		26			
		10			
	377.0 5.0				
Soft, wet to very moist, brown, Silty Clay Loam A-6 with some Gravel		1			
		4	0.3B	34	
		1			
	374.5				
Very soft, wet , brown, Silty Clay Loam A-6		WH			
		3	0.1B	29	
		2			
	372.0 10.0				
Soft, very moist, brown, Silty Clay Loam A-6 with Gravel		WH			
		1	0.3B	27	
		1			
	369.5				
Stiff, very moist, brown, Silty Clay Loam A-6 with Gravel Layers		1			
		3	1.9S	27	
		5			
	367.0 15.0				
Medium, very moist, brown, Silty Clay Loam A-6 with Gravel Layers		WH			
		6	0.9S	28	
		8			
	364.5				
Medium, wet, brown to grey, Sandy Gravel 18% Sand 16% Silt 6% Clay 60% Gravel		3			
		9		24	
		7			
	20.0				
		2			
		8			
		6			
		4			
		6			
		7			
	357.0 25.0				

	DEPTH
Loose, wet, grey, Sandy Gravel 18% Sand; 16% Silt 6% Clay; 60% Gravel	
	354.5
Medium, wet, grey, Sandy Gravel 18% Sand; 16% Silt 6% Clay; 60% Gravel	
	352.0 30.0
Very stiff, very moist, grey, Silty Clay Loam A-6	
	347.0 35.0
Stiff, very moist, brown, Silty Clay Loam A-6 with Samd Gravel Layers	
	344.5
Medium, very moist, brown, Silty Clay Loam A-6 with Sandy Gravel Layers	
	342.0 40.0
Medium, very moist, brown, Clay A7-6 with Sandy Gravel Layers	
	337.0 45.0
Loose, wet, tan, Sandy Gravel with Clay Seams 21% Sand 19% Silt 17% Clay 43% Gravel	
	332.0 50.0

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

Route: Date

Section: 04-01182-00-BR

County: Union

Boring No: 1-S
Station: 9+80
Offset: 18' N CL
Ground Surface: 382.0 Ft

	DEPTH	BLOW	Qu tsf	W%	DEPTH
Medium, wet, tan, Sandy Gravel		1			
with Clay Seams		13		42	
21% Sand		10			
19% Silt					
17% Clay					
43% Gravel					
	327.0 55.0				80.0
Dense, wet, tan, Sandy Gravel		3			
with Clay Layers		20		42	
21% Sand		28			
19% Silt					
17% Clay					
43% Gravel					
	322.0 60.0				85.0
Medium, wet, Sandy Gravel		8			
		12			
	320.5	12			
Bottom of hole = 61.5 ft.					
ESF = 72.1 Tons					
Free water observed at 10.0 ft					
	65.0				90.0
Elevation referenced to Center of Existing Structure; Assumed Elevation = 100.0 ft.					
To convert "N" values to "N60" values multiply by 1.25.					
	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

RHINE ROAD BRIDGE REPLACEMENT

SOIL BORING LOGS