CONTRACT NO. 84986

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.595	1-1	ROCK ISLAND	229	114
FED. RD. DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET 15 OF 15

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE FOUNDATION BORING LOG

Project ____ Bridge Retaining Wall Date 1-20-87
Route FA 595 Inclinometer Bored By C. Jenkins
Sec 1-1, 2-1 STA. Lt 117+00 Checked By C. Hage
County Rock Island Boring No. 1 Station 117+50 Offset 95' Lt

Surface Water El. ____ Groundwater El. at Completion Dry Hole After ____ Hours

	EL.	N	Qu	W%
Ground Surface 600.8	0			
Medium, brown moist silty loam.			1.0 P	23
Very stiff, gray dry shaley silt.		6 9 20	2.6 S	16
	5			
595.8		30		
Very dense, blue gray shale with land lenses		100 10" PEN		
583.8				
Very stiff, bluish black dry shaley silt.		22 24 26	3.9 S	20
580.8	20			
Very dense, gray to black wet shale and coal.		100 8" PEN		
Very dense, dry powdery gray shale. 587.8		100 6" PEN		
END OF BORING				
Piezometer Installed	15			

Type failure: B-Bulge Failure, S-Shear Failure, E-Estimated Value, P-Penetrometer

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE FOUNDATION BORING LOG

Project ____ Bridge Retaining Wall Date 1-22-87
Route FA 595 Inclinometer Bored By C. Jenkins
Sec 1-1, 2-1 STA. Lt 113+00 Checked By C. Hage
County Rock Island Boring No. 2 Station 113+50 Offset 60' Lt

Surface Water El. ____ Groundwater El. at Completion Dry Hole After ____ Hours

	EL.	N	Qu	W%
Ground Surface 594.1	0			
Medium, black dry silty loam.			0.7 P	26
No sample		5 6 4		
	5			
First Encounter V Stiff, gray to yellow wet clay loam with coal lenses.		2 3 3	1.3 B	26
Very stiff, gray dry powdery shaley silt.		18 25 37	2.8 S	15
585.1	10			
Very dense, gray dry shale with silt lenses.		28 33 40		
Same as above		13 30 30		
579.1	15			
Very dense, dark gray dry shale.		38 100 6" PEN		
Same as above		100 8" PEN		
	20			
Same as above 573.1		30 100 8" PEN		
END OF BORING				

Type failure: B-Bulge Failure, S-Shear Failure, E-Estimated Value, P-Penetrometer

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE FOUNDATION BORING LOG

Project ____ Bridge Retaining Wall Date 1-7?-87
Route FA 595 Inclinometer Bored By C. Jenkins
Sec 1-1, 2-1 STA. Lt 113+00 Checked By C. Hage
County Rock Island Boring No. 3 Station 114+50 Offset 100' Lt

Surface Water El. ____ Groundwater El. at Completion Dry Hole After ____ Hours

	EL.	N	Qu	W%
Ground Surface 607.8	0			
Medium brown dry silty loam.			1.0 P	25
Stiff, yellow gray damp silty loam.		5 8 13	1.8 S	16
Stiff gray dry moddled silty loam.	5	6 8 14	1.9 S	17
Very stiff, gray with yellow moist silty loam w/shale.		17 18 25	3.1 S	18
Very stiff gray with yellow moist silty loam.	10	17 21 26	2.1 B	15
Very stiff gray with yellow dry crumbly shaley silt.		26 30 40	3.2 S	19
Very dense gray powdery shale with coal lenses.	15	40 100 10" PEN		
Very dense gray dry shale.		100 10" PEN		
END OF BORING				
Installed 20' Inclinometer & 20' Piezometer	20			

Type failure: B-Bulge Failure, S-Shear Failure, E-Estimated Value, P-Penetrometer

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE FOUNDATION BORING LOG

Project ____ Bridge Retaining Wall Date 1-22-87
Route FA 595 Inclinometer Bored By C. Jenkins
Sec 1-1, 2-1 STA. Lt 113+00 Checked By C. Hage
County Rock Island Boring No. 4 Station 114+50 Offset 60' Lt

Surface Water El. ____ Groundwater El. at Completion Dry Hole After ____ Hours

	EL.	N	Qu	W%
Ground Surface 596.4	0			
Medium, brownish tan moist silty loam.			0.8 P	22
Stiff, gray w/yellow and brown moist clay loam.		4 6 9	1.2 B	29
Stiff, dry crumbly gray with yellow silty loam.	5	8 14 16	1.9 S	15
Very stiff, dry crumbly yellow with gray silty loam.		17 27 35	2.5 S	16
First Encounter V Stiff, wet gray yellow silty loam with shale.	10	17 25 32	1.6 S	20
584.9				
Dense, blue-black dry shale.		13 15 25		
581.9	15			
Very dense blue-black dry shale.		40 100 8" PEN		
Same as above 578.4		40 100 6" PEN		
END OF BORING				

Type failure: B-Bulge Failure, S-Shear Failure, E-Estimated Value, P-Penetrometer

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE FOUNDATION BORING LOG

7

Project ____ Bridge Retaining Wall Date 1-22-87
Route FA 595 Inclinometer Bored By C. Jenkins
Sec 1-1, 2-1 STA. Lt 115+00 Checked By C. Hage
County Rock Island Boring No. 5 Station 112+00 Offset 60' Lt

Surface Water El. ____ Groundwater El. at Completion Dry Hole After ____ Hours

	EL.	N	Qu	W%
Ground Surface 592.4	0			
Medium, wet black to gray silty loam.			0.9 P	27
Very stiff, black moist silty loam.		8 9 12	2.9 S	32
	5			
Very stiff, tan to yellow moist silty loam.		11 12 14	2.1 B	20
Stiff, yellow to gray moist silty clay loam.		8 10 12	1.6 S	25
	10			
Stiff, yellow brown damp silty clay loam till.		7 10 11	1.8 B	18
Stiff, yellow brown damp silty loam.		7 11 16	1.4 B	21
	15			
First Encounter V Very stiff, dry gray green w/orange silty loam w/shale.		17 20 25	2.5 S	22
574.4				
Very dense, dry flakey bluish black shale.		27 100 10" PEN		
	20			
Same as above 570.4		27 100 10" PEN		
END OF BORING				
20' Inclinometer Installed				

Type failure: B-Bulge Failure, S-Shear Failure, E-Estimated Value, P-Penetrometer

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE FOUNDATION BORING LOG

6

Project ____ Bridge Retaining Wall Date 1-22-87
Route FA 595 Inclinometer Bored By C. Jenkins
Sec 1-1, 2-1 STA. Lt 113+00 Checked By C. Hage
County Rock Island Boring No. 6 Station 112+00 Offset 120' Lt

Surface Water El. ____ Groundwater El. at Completion Dry Hole After ____ Hours

	EL.	N	Qu	W%
Ground Surface 606.4	0			
Medium, black wet silty loam.			0.9 P	31
Stiff, yellow gray orange damp silt.		8 12 13	1.5 S	14
	5			
Hard, greenish gray dry crumbly shaley silt.		13 20 27	5.1 P	14
Hard, yellow black dry silt with shale.		17 27 40	5.4 S	15
595.9	10			
Very dense, bluish black shale.		27 100 12" PEN		
Very dense, bluish black shale w/yellow silt lenses.		27 100 11" PEN		
591.9	15			
END OF BORING				

Type failure: B-Bulge Failure, S-Shear Failure, E-Estimated Value, P-Penetrometer

INCLINOMETER BORING LOGS

RETAINING WALLS "A", "B" & "C"
F.A. RTE. 595 SECTION 1-1
ROCK ISLAND COUNTY