

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Sh. 3 of 6 Sh.

BRIDGE FOUNDATION BORING LOG

PROJECT P-97-425-70 BRIDGE FAS RTE. 799 OVER Date MAY 8, 1974
 ROUTE FAS 799 ILLINOIS CENTRAL GULF RAILROAD Bored By R. D. METHENEY
 SEC 9VBR STA. 475+50.40 Checked By J. J. KLAY
 COUNTY CLAY

Boring No. 2 PIER NO. 1
 Station 475+426
 Offset 6.5' RT. C

Elevation	N	Qu	f/a.t.	Surface Water El.	Elevation	N	Qu	f/a.t.
Ground Surface 544.4								
SOFT, DAMP TO VERY DAMP, BROWN MOTTLED GREY, CLAY LOAM TO CLAY	2	0.5	S 18	HARD, BROWNISH GREY, WEATHERED CLAY SHALE 521.4				
				HARD, MOIST TO DRY, BROWNISH GREY, CLAY SHALE				* 7.0E 11
541.4				* 5" PENETRATION FOR 100 BLOWS	-23			
STIFF, DAMP TO VERY DAMP, BROWN MOTTLED GREY & BLACK, CLAY WITH VERY THIN SAND LENSES 539.9	9	1.1	S 22		517.4	120	9.7	11
STIFF, DAMP, BROWNISH GREY, CLAY				EXTENT OF EXPLORATION				
535.4								
VERY STIFF, DAMP, BROWN MOTTLED GREY, SLIGHTLY ORGANIC (WOOD) CLAY 533.9	13	2.0	S 19					
530.9								
HARD, VERY MOIST, BROWN MOTTLED GREY, CLAY TILL WITH VERY THIN SANDSTONE LENSES & SANDSTONE FRAGMENTS 528.9	33	5.4	S 16					
526.4								
VERY STIFF, VERY MOIST, BROWN MOTTLED GREY, HIGHLY ORGANIC WITH HAIRLINE ROOTS, CLAY TILL WITH VERY THIN LENSES OF WEATHERED SANDSTONE 526.4	27	3.9	S 17					
522.9								
STIFF, DAMP, BROWN MOTTLED GREY, VERY WEATHERED CLAY SHALE WITH NUMEROUS LENSES & FRAGMENTS OF SOFT WEATHERED SANDSTONE 522.9	36	1.4	S 15					
522.9								
HARD, MOIST TO VERY MOIST, WEATHERED CLAY SHALE	100	5.0	E 13					

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".
 Qu - Unconfined Compressive Strength - t/sf
 w - Water Content - percentage of oven dry weight - %
 Type failure:
 B - Bulge Failure
 S - Shear Failure
 E - Estimated Value
 P - Penetrometer

Sh. 4 of 6 Sh.

BRIDGE FOUNDATION BORING LOG

PROJECT P-97-425-70 BRIDGE FAS RTE. 799 OVER Date MAY 9, 1974
 ROUTE FAS 799 ILLINOIS CENTRAL GULF RAILROAD Bored By R. D. METHENEY
 SEC 9VBR STA. 475+50.40 Checked By J. J. KLAY
 COUNTY CLAY

Boring No. 3 PIER NO. 2
 Station 475+75
 Offset 6.5' RT. C

Elevation	N	Qu	f/a.t.	Surface Water El.	Elevation	N	Qu	f/a.t.
Ground Surface 544.2								
SOFT, VERY DAMP, BROWN MOTTLED GREY, SILTY CLAY TO CLAY	3	0.5	E 25	VERY STIFF, VERY MOIST, BROWNISH GREY, VERY WEATHERED, CLAY SHALE 520.7				
				HARD, MOIST, BROWNISH GREY, CLAY SHALE				125 E 14
540.2				* 5" PENETRATION FOR 100 BLOWS	-23			
STIFF, DAMP, GREY MOTTLED BROWN & BLACK, CLAY WITH VERY THIN SAND LENSES 538.7	7	1.2	S 19					
537.2								
MEDIUM, DAMP, BROWNISH GREY, CLAY LOAM TO CLAY 537.2	9	0.9	S 18	EXTENT OF EXPLORATION				
533.7								
STIFF, DAMP, BROWN MOTTLED GREY & BLACK, SILTY CLAY 533.7	9	1.5	S 19					
531.7								
VERY STIFF, DAMP, BROWN MOTTLED GREY, CLAY 531.7	13	2.4	S 17					
530.2								
STIFF, DAMP, BROWN MOTTLED GREY & BLACK, CLAY 530.2	17	1.6	S 20					
523.2								
VERY STIFF, VERY MOIST TO DAMP, BROWN, CLAY TO CLAY TILL 523.2	29	3.5	S 17					
523.2								
VERY STIFF, VERY MOIST, BROWNISH GREY, VERY WEATHERED CLAY SHALE 523.2	27	3.6	S 18					
523.2								
VERY STIFF, VERY MOIST, BROWNISH GREY, VERY WEATHERED CLAY SHALE 523.2	40	3.1	S 20					

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".
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 w - Water Content - percentage of oven dry weight - %
 Type failure:
 B - Bulge Failure
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DESIGNED	B.B.
CHECKED	C.J.F.
DRAWN	J.G.
CHECKED	C.J.F. & B.B.

SOIL BORINGS-3
 KINMUNDY/LOUISVILLE ROAD
 OVER ILLINOIS CENTRAL RR
 STA. 475+50.44



BERNARDIN
 LOCHMUELLER &
 ASSOCIATES, INC.

3 Oak Drive
 Maryville, IL 62082-6695
 Local (618) 288-4665
 Fax 618-288-4666

SHEET NO. 22 22 SHEETS	F.A.S. RTE. 2703	SECTION (9-VBR)B	COUNTY CLAY	TOTAL SHEETS 65	SHEET NO. 44
	SN 013-0044		CONTRACT NO. 74136		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					