ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 2821	98-16119 -00-BR	WAYNE	13	13
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

CONTRACT NO. 95415

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Seven Materials
T1S, R9E, SEC 5/8; 3rd P.M.
Struct Foundation
Boring Log
Sh. 1 of 2

PROJECT MASSILON RD DI — BRIDGE TRIB OF ELM RIVER — Date 11/17/99
ROUTE FAS 2821 — STRUCTURE NO. 096-3367 — Bored By D. LUX
SEC. 98-16119-00-BR — STA. 1400N 2510E — Checked By J. MARTIN

COUNTY WAYNE

Boring No. 1
Sta 40'W EX CN BR
O/S ON CL

Surf Wat El. DRY
Grndwater El. at Compl 84.7
At ____ Hrs ____

	El.	N	Qu t/sf	W %
Ground Surface 99.5 0	396.3			
EX OIL & CHIP SURFACE				
395.2 98.4				
STIFF TO VERY STIFF, DAMP, GRAY MARBLED BROWN, CLAY W/SAND LENSES				
391.8 95.0		15	2.0 E	13
-5				
STIFF, DAMP TO VERY DAMP, BROWN MARBLED GRAY, CLAY W/HIGH SAND CONTENT		7	1.2 S	24
386.8 90.0		7	1.2 B	18
-10				
MEDIUM TO STIFF, DAMP TO VERY DAMP, BROWN, CLAY W/SAND MARBLING & SANDSTONE FRAGMENTS		8	1.0 B&S	20
383.3 86.5				
VERY STIFF, DAMP, BROWN CLAY LOAM TO LOAM		12	2.6 B	19
381.8 85.0				
STIFF, DAMP TO VERY DAMP, BROWN CLAY LOAM TO CLAY		3	1.4 B&B	20
379.8 83.0		3	B&B	23
LOOSE, WATER BEARING, MIX OF CLAY, SAND, GRAVEL & SANDSTONE				
377.8 81.0		47	3.8 S	13
VERY STIFF, DAMP, BROWN CLAY TILL W/HIGH SAND CONTENT -20				
375.3 78.5		53	4.2 S	9
HARD, DAMP, GRAY, CLAY TILL				

	El.	N	Qu t/sf	W %
HARD, DAMP, GRAY, CLAY TILL		26	4.4 S	11
371.8 75.0				
-25				
VERY STIFF, DAMP, BROWN MARBLED GRAY, CLAY		25	2.1 B&S	24
368.3 71.5				
VERY STIFF, DAMP, BROWN MARBLED GRAY, CLAY TILL W/SAND LENSES -30		37	3.5 S	13
365.3 68.5				
		55	4.5 E	11
-35				
HARD, DAMP, GRAY, CLAY TILL		53	7.5 B	9
WATER ENCOUNTERED AT ELEVATION 83.5				
-40		68	9.8 E	9
		62	6.0 S	11
-45		59	8.0 S	9

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

Project MASSILON RD DI
Route FAS 2821
Sec. 98-16119-00-BR
County Wayne
Structure No. 096-3367

Sh. 2 of 2

Boring No. 1, Sta 40'W EX CN BR, O/S ON CL	El.	N	Qu t/sf	W %
	-45			
HARD, DAMP, GRAY, CLAY TILL		46	10.0 E	11
346.7 50.0		33	7.4 S	12
-50				
HARD, DAMP, GRAY MARBLED BROWN, CLAY W/HIGH SAND CONTENT		28	5.6 S	14
344.2 47.5				
VERY STIFF, DAMP, GRAY SANDY CLAY TO CLAY W/SAND LENSES AND SAND MARBLING -35		23	2.9 S	12
339.7 43.0		35	4.2 E	18
HARD, DAMP, LAYERED, CLAY, SANDY CLAY AND SAND				
338.2 41.5				
VERY DENSE, MOIST, THIN LAYERED, WEATHERED, CLAY SHALE, SANDSTONE AND SAND ALTERNATING -60		*		8
335.7 39.0				
VERY DENSE, MOIST, GRAY, THIN LAYERED, CLAY SHALE & SANDSTON IN ALTERNATING LAYERS		**		5
333.1 36.4		**		7
EXTENT OF EXPLORATION				
BENCHMARK IS CENTER OF EXISTING BRIDGE -65 ELEVATION 100.0(REL)				
-70				

	El.	N	Qu t/sf	W %
	-70			
	-75			
	-80			
	-85			
	-90			
	-95			

* 1-5/8" PENETRATION FOR 100 BLOWS

** 1/2" PENETRATION FOR 100 BLOWS

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Seven Materials
Struct Foundation
Boring Log
Sh. 1 of 1

PROJECT MASSILON RD DI — BRIDGE TRIB OF ELM RIVER — Date 11/18/99
ROUTE FAS 2821 — STRUCTURE NO. 096-3367 — Bored By D. LUX
SEC. 98-16119-00-BR — STA. 1400N 2510E — Checked By J. MARTIN

COUNTY WAYNE

Boring No. 2
Sta 40'E EX CN BR
O/S ON CL

Surf Wat El. ____
Grndwater El. at Compl ____
At ____ Hrs ____

	El.	N	Qu t/sf	W %
Ground Surface 99.6 0	396.3			
EX OIL & CHIP SURFACE				
395.3 98.6				
VERY STIFF, DAMP, GRAY MARBLED BROWN, SILTY CLAY TO SILTY CLAY LOAM W/ROOTS		20	2.7 E	11
391.8 95.1				
-5				
STIFF, DAMP TO VERY DAMP, BROWN TO GRAY CLAY W/SANDSTONE FRAGMENTS		13	1.5 S	17
-10		7	1.2 S	19
384.3 87.6		8	1.3 B	17
MEDIUM TO STIFF, DAMP TO VERY DAMP, GRAY, CLAY W/SAND & GRAVEL				
382.3 85.6		2	1.0 S	21
MEDIUM, MOIST, RED, MIX OF CLAY, SAND AND -15 SANDSTONE FRAGMENTS		7	S	10
380.3 83.6				
V STIFF, DAMP, CLAY LOAM TO CLAY 379.3 82.6		7	2.8 S	15
LOOSE, VERY MOIST, MIX OF FINE AND COARSE GRAIN, SAND, SANDY CLAY & CLAY		8		14
32% PASSING 200 SIEVE ELEV 79.1 TO 82.6 -20				
375.8 79.1				
VERY DENSE, MOIST, GRAY, FINE GRAIN, SANDY LOAM TO SAND W/GRAVEL		*		7

	El.	N	Qu t/sf	W %
33% PASSING 200 SIEVE				
ELEV 73.6 TO 79.1				
VERY DENSE, MOIST, GRAY, FINE GRAIN, SANDY LOAM TO SAND W/GRAVEL		**		7
-25				
370.3 73.6				
VERY DENSE, MOIST, GRAY, SANDY CLAY LOAM TILL		**		10
368.3 71.6				
#		***		10
367.2 70.5				
EXTENT OF EXPLORATION ACHIEVED 1.4xBEARING -30				
# VERY DENSE, VERY MOIST, FINE GRAIN, SANDY LOAM TO SAND W/CLAY LENSES				
** 9-1/2" PENETRATION FOR 100 BLOWS				
*** 7" PENETRATION FOR 100 BLOWS -35				
WATER ENCOUNTERED AT ELEVATION 82.6				
-40				
-45				

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

* 8" PENETRATION FOR 100 BLOWS

BORING 1

BORING 2

HLR
Account Number 12-97-0005-I
Date: 09/30/04
Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400
P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637

DESIGNED: S.W.M. | CHECKED: M.G.B. | DRAWN: D.T.M.

BORINGS

SECTION 98-16119-00-BR

MASSILON ROAD DISTRICT

WAYNE COUNTY

STATION 9+91

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