

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2
Date 06/01/09

ROUTE FAP 327 DESCRIPTION Structure Replacement - US 50 over Lackey Creek LOGGED BY SCI

SECTION 15B-1 LOCATION ~0.2 mile E of Union (MO) Pacific RR; SW 14, SEC. 12, TWP. 2N, RNG. 2E

COUNTY Marion DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 061-0036 (Existing)
Station 1251+66

BORING NO. B-101
Station 1251+89
Offset 56 ft Rt
Ground Surface Elev. 513.9 ft

DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)	DEPTH (ft)	SOIL TYPE	U (tsf)	M (%)
0	Surface Water Elev. 511.0 ft			0	Surface Water Elev. 511.0 ft		
0	Stream Bed Elev. 510.6 ft			0	Stream Bed Elev. 510.6 ft		
0	Groundwater Elev.: First Encounter 503.9 ft			0	Groundwater Elev.: First Encounter 503.9 ft		
0	Upon Completion - ft			0	Upon Completion - ft		
0	After - Hrs. - ft			0	After - Hrs. - ft		
1	SANDY CLAY: Brown, low plastic, trace organics (A-6)	0.6	25	1	CLAY: Gray and brown, high plastic, some sand, trace fine gravel (A-7) (continued)	3.8	15
2				2			
3	Poor recovery		24	3			
4				4			
5				5			
6	Becomes gray and brown		19	6		3.5	14
7				7			
8				8			
9				9			
10				10			
11				11			
12				12			
13				13			
14				14			
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56				56			
57				57			
58				58			
59				59			
60				60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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0	Upon Completion - ft			0	Upon Completion - ft		
0	After - Hrs. - ft			0	After - Hrs. - ft		
1	CLAY: Gray, high plastic, trace to some sand, trace fine gravel (A-7) (continued)			1	CLAY: Gray, high plastic, trace to some sand, trace fine gravel (A-7) (continued)		
2				2			
3				3			
4				4			
5				5			
6	Becomes grayish brown, some sand	1.7	18	6			
7				7			
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59				59			
60				60			

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DESIGNED	
CHECKED	
DRAWN	W.J.S.
CHECKED	C.J.F.

SOIL BORINGS
STRUCTURE NUMBER 061-2026

BERNARDIN LOCHMUELLER & ASSOCIATES, INC.

3 Oak Drive
Maryville, IL 62962-2635
Local (618) 288-4665
Fax 618-288-4666

SHEET NO. 9 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	327	15B-1	MARION	58	41
		SN 061-2026	CONTRACT NO. 76A59		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327					