



# SOIL BORING LOG

Date 6/25/08

ROUTE FAP 326 (IL 47) DESCRIPTION IL 47 over the Sangamon River in Mahomet LOGGED BY CNA

SECTION 10(137BR)BR LOCATION NE, SEC. 21, TWP. 20N, RNG. 7E, 3<sup>rd</sup> PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTHS				SURFACE WATER ELEV.	STREAM BED ELEV.	GROUNDWATER ELEV.	FIRST ENCOUNTER	UPON COMPLETION	AFTER 0 HRS.	WASH BORED	PLUGGED	DEPTH (ft)	BLOW (blows)	UCS (tsf)	MOIST (%)																					
						(ft)	(ft)	(ft)	(ft)																																	
010-0055 (Exist.)	246+51.26	1 NW Abut	248+57	9.0 ft LL	690.6					669.0	663.7	675.6	675.6																													
Pavement & Aggregate Base																						690.6																				
Aggregate Base & Black/Brown Silty Clay (Fill)																						688.6																				
Drilled Through Old Concrete Pavement																						686.1																				
Brown Mottled Silty Loam (Embankment)																						684.6																				
Dark Gray Silty Clay																						682.6																				
Gray Clay Loam Till																						658.6																				
Gray to Dark Gray Sandy Loam to Dirty Sand (Alluvium)																						675.6																				
Gray Poorly Sorted Coarse Sand & Gravel (No Sample Obtained)																						656.6																				
End of Boring																						670.6																				

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



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STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTHS				SURFACE WATER ELEV.	STREAM BED ELEV.	GROUNDWATER ELEV.	FIRST ENCOUNTER	UPON COMPLETION	AFTER 0 HRS.	WASH BORED	PLUGGED	DEPTH (ft)	BLOW (blows)	UCS (tsf)	MOIST (%)																					
						(ft)	(ft)	(ft)	(ft)																																	
010-0055 (Exist.)	246+51.26	1 NW Abut	248+57	9.0 ft LL	690.6					669.0	663.7	675.6	675.6																													
Gray Poorly Sorted Coarse Sand & Gravel (continued)																																										
(3' Sand Blow In)																																										
End of Boring																						640.6																				

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



# SOIL BORING LOG

Date 8/26/08

ROUTE FAP 326 (IL 47) DESCRIPTION IL 47 over the Sangamon River in Mahomet LOGGED BY CNA

SECTION 10(137BR)BR LOCATION NE, SEC. 21, TWP. 20N, RNG. 7E, 3<sup>rd</sup> PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTHS				SURFACE WATER ELEV.	STREAM BED ELEV.	GROUNDWATER ELEV.	FIRST ENCOUNTER	UPON COMPLETION	AFTER 0 HRS.	WASH BORED	PLUGGED	DEPTH (ft)	BLOW (blows)	UCS (tsf)	MOIST (%)																					
						(ft)	(ft)	(ft)	(ft)																																	
010-0055 (Exist.)	246+51.26	2 SW Abut	244+44	13.0 ft LL	697.1					669.0	663.7	681.1	681.1																													
Pavement & Aggregate Base																																										
Brown/Red Oxidized Sandy Loam (continued)																						675.1																				
Brown Sandy Clay Loam (Fill)																						695.1																				
Gray Sandy Clay Loam Till																																										
Old Concrete Pavement - Could not Penetrate - Moved From 9' LL to 13' LL and Continued Soil Boring.																						692.1																				
Brown Sandy Loam (Embankment)																						681.1																				
Gray Silty Clay Till																																										
Blue Gray Clay Loam Till																						663.6																				
Brown/Gray Mottled Silt (Alluvium)																						683.1																				
Brown/Red Oxidized Sandy Loam																						680.1																				
End of Boring																																										

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

## BORING LOGS STRUCTURE NO. 010-0287

	PROJECT NO.	06027-3	SHEET NO. 34	F.A.P. RTE.	326	SECTION	(137BR)BR	COUNTY	CHAMPAIGN	TOTAL SHEETS	75	SHEET NO.	54
	DATE	06/23/09		DESIGN BY	CFC	SN 010-0287		CONTRACT NO. 70428					
	DRAWN BY	MCR		36 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT					
	DESIGNED BY												

PLOT DATE: 8/24/2009  
FILE NAME: I:\BENT-JA-NE-107\Fig-107a.dgn  
PLOT SCALE: 1"=40.00'  
USER NAME: JML