

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-1-N-1	COOK	196	125
STA. 85+00.00		TO STA. 92+46.15		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62617



SOIL BORING LOG

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Date 6/21/04

ROUTE FAP 345 (US Rte. 20) DESCRIPTION North Retaining Wall LOGGED BY R. GROFF
 SECTION BR-1-N-1 LOCATION N side of Rte20 E of Bluff City Rd., SEC. 20, TWP. 41N, RNG. 9E
 COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
	P	O	S	I	Stream Bed Elev.	P	O	S	I
	T	W	Qu	S	ft	T	W	Qu	S
	H	S		T	Groundwater Elev.:	H	S		T
BORING NO.					First Encounter				
Station					Upon Completion				
Offset					After				
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
ASPHALT (4")					750.40	-20	7		
Gray fine to medium Crushed STONE (16") (fill)		9							
Gray fine to medium Gravel with Black Silty CLAY (fill)		8		5.0					
		9							
		3							
Black Silty CLAY, Organic (Buried Topsoil)		3	2.3	20.0					
		3	P						
		3							
Brown Silty CLAY, trace fine to medium Sand		4	2.5	18.0					
		5	P						
		7							
Brown fine to coarse GRAVEL with fine to coarse SAND		9		5.0					
		7							
		17							
		12		6.0					
		11							
		15							
		30		6.0					
		16							
		7							
Gray medium to coarse SAND and GRAVEL		8		4.0					
		5							
		4		13.1					
		6		13.0					

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 T208)
 BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 6/21/04

ROUTE FAP 345 (US Rte. 20) DESCRIPTION North Retaining Wall LOGGED BY R. GROFF
 SECTION BR-1-N-1 LOCATION N side of Rte20 E of Bluff City Rd., SEC. 20, TWP. 41N, RNG. 9E
 COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
	P	O	S	I	Stream Bed Elev.	P	O	S	I
	T	W	Qu	S	ft	T	W	Qu	S
	H	S		T	Groundwater Elev.:	H	S		T
BORING NO.					First Encounter				
Station					Upon Completion				
Offset					After				
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
ASPHALT (4")					772.47	-22	7		
Gray fine to medium Crushed STONE (3") (fill)		8							
Black Silty CLAY, some fine Gravel (Organic) (fill)		10		5.0					
Brown fine to coarse Gravel, some fine to medium Sand		12							
		7							
		10		4.0					
		11							
		16							
		13		4.0					
		10							
		16							
		14		4.0					
		14							
		13							
		22		4.0					
		22							
		22							
		18		4.0					
		30							
		6							
Gray fine to medium SAND and GRAVEL		12		4.0					
		11							
End of Boring									

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 T208)
 BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SOIL BORING LOGS-I
 U.S. RTE. 20
 AT BLUFF CITY / SHALES PARKWAY
 NORTH SOLDIER PILE RETAINING WALL
 F.A.P. 345 SECTION: BR-1-N-1
 COOK COUNTY
 STRUCTURE NO. 016-W969
 SCALE: NONE DRAWN BY: D.L./F.M.
 DATE: FEBRUARY, 2008 CHECKED BY: B.N.S./J.C.N.
CHRISTIAN-ROGE & ASSOC., INC.
 CHICAGO ILLINOIS

NORTH BLUFF CITY RETAINING WALL - 2/17/2008 8:03:40 AM