F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	126
STA. 85+00.00		TO STA. 92+46.15		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62617

MES

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.
Station

BORING NO. B-03
Station 88+00
Offset 73.00ft Left
Ground Surface Elev. 775.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter DRY ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (4.5")	774.82				
Gray fine to medium Crushed STONE (1") (fill)	774.74 / 774.20		3		
Black Silty CLAY and fine to medium GRAVEL (Organic) (fill)			4 6	1.4 B	20.0
Brown Silty CLAY, trace fine to medoim Sand			6		
	770.70		6 11	-	5.0
Brown fine to coarse SAND and GRAVEL		-5	11		
			12 13	-	3.0
			14		
		-10	14 17	-	3.0
			18		
			15 18	-	4.0
			12		
		-15	11 12	-	2.0
			13		
			7 12	-	3.0
			8		4.2
	755.20	-20	12 20	-	4.0

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 T206)

BBS, from 137 (Rev. 8-99)

MES

SOIL BORING LOG

Page 1 of 1

Date 6/22/04

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.
Station

BORING NO. B-04
Station 89+00
Offset 75.00ft Left
Ground Surface Elev. 778.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter DRY ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (4")	777.87				
Gray fine to medium Crushed STONE (2") (fill)	777.70 / 777.20		2		
Dark Brown Silty CLAY, trace fine to medium Sand (Buried Topsoil)			5 22	0.5 S	26.0
Brown fine to coarse SAND and GRAVEL			40		
			21 10	-	4.0
		-5			
			15		
			10 11	-	2.0
			10		
		-10	13 10	-	2.0
			6		
			8 11	-	4.0
			10		
		-15	15 11	-	2.0
			10		
			10 10	-	3.0
			7		
			12	-	3.0
	758.20	-20	15		
End of Boring		-25			
		-30			
		-35			

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)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS-II
U.S. RTE. 20
AT BLUFF CITY / SHALES PARKWAY
NORTH SOLDIER PILE RETAINING WALL
F.A.P. 345 SECTION: 8R-1-N-1
COOK COUNTY
STRUCTURE NO. 016-W969

SCALE: NONE
DATE: FEBRUARY, 2008
DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./J.C.N.

CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

D-91-137-03