SCI Engineering, Inc.
650 Pierce Boulevard
O'Fallon, Illinois 62269

ROCK CORE LOG

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Date 09/25/07

ROUTE FAP 304 US Route 67 DESCRIPTION Alton Pedestrian Overpass LOGGED BY SCI

SECTION 06-00224-00-BR LOCATION Alton, SEC. 14, TWP. 5N, RNG. 10W

COUNTY Madison CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. 060-6111 CORING BARREL TYPE & SIZE NX conv dbl bbl split inner

Station

Core Diameter 1.9 in

BORING NO. B-3 Top of Rock Elev. 436.6 ft

Station 1+74.04 Begin Core Elev. 434.6 ft

Offset 3 ft R

Ground Surface Elev. 443.6 ft

	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
LIMESTONE: Light gray, moderately hard to very hard, very fine crystaline to finely crystaline, medium to thick bedded, and dense *(continued)*	-10	1	100	90		36.0
	-15					
	424.6					
Auger refusal at 9 feet on limestone.	-20					
	-25					

Color pictures of the cores Yes

Cores will be stored for examination until

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

SCI Engineering, Inc.
650 Pierce Boulevard
O'Fallon, Illinois 62269

SOIL BORING LOG

Page 1 of 1

Date 09/24/07

ROUTE FAP 304 US Route 67 DESCRIPTION Alton Pedestrian Overpass LOGGED BY SCI

SECTION 06-00224-00-BR LOCATION Alton, SEC. 14, TWP. 5N, RNG. 10W

COUNTY Madison DRILLING METHOD CME 550 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 060-6111

Station

BORING NO. B-4

Station 4+12.92

Offset 0 ft Centerline

Ground Surface Elev. 435.0 ft

Surface Water Elev. ft

Stream Bed Elev. ft

Groundwater Elev.:

First Encounter 412.0 ft ▼

Upon Completion - ft

After Hrs. - ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: Gray, low plastic sandy (cinders) clay, trace gravel (A-6)		11 9 9	4.5 P	12
	432.0			
FILL: Concrete	431.5			
FILL: Brown, low plastic sandy (cinders) clay, trace slag and gravel (A-6)	430.5	8 35 50/3"	2.5 P	15
FILL: Limestone	430.0 -5			
FILL: Brown, low plastic sandy (cinders) clay, trace brick, gravel (A-6)		2 2 3	2.5 P	12
	427.0			
FILL: Concrete or limestone	426.2			
FILL: Brown, low plastic sandy clay (A-6)	-10	2 2 3	1.3 P	17
Grades to trace gravel, concrete		4 2 2	0.2 B	24
	422.0			
FILL: Brown and gray, high plastic clay (A-7)	-15	8 5 6	2.5 S/15	22
Becomes brown and greenish gray and grades to trace concrete fragments	418.5	4 7 7	3.1 B	21
FILL: Brown, low plastic clayey silt (A-4)	-20	3 4 6	2.3 S/15	24
FILL: Brown, low plastic silty clay (A-7)	414.5	3 4 5	1.8 S/15	21
	412.0 ▼			
FILL: Black, low plastic silty clay, some sand and organics (A-6)	-25	4 3 1	0.2 B	57
	409.5			
SILTY CLAY: Gray, low plastic (A-7)	-30	2 2 2	0.8 B	35
	-30	2 2 3	1.6 B	31
GRAVEL & CLAYEY SAND: Brown, fine to coarse (A-1)	401.5 -35	24 33 50/4"	-	6
	399.0			
Auger refusal on limestone at 36 feet.	-40			

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)

BORING LOGS
ALTON PEDESTRIAN WALKWAY OVER
UNION PACIFIC RAILROAD, NORFOLK
SOUTHERN RAILROAD AND US ROUTE 67
SECTION 06-00224-00-BR
MADISON COUNTY
STA. 2+42.54
STRUCTURE NO. 060-6111

REVISIONS

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ALTON, ILLINOIS
PEDESTRIAN OVERPASS AT LANGDON ST.

DWG. NO. S25
6111-25-BORESHT3.DGN
REF. BK. PG.
JOB NO. 26053
DSN. BY: NEL
DWN. BY: NEL
CHK. BY: JGS
DATE: 1/9/07
SCALE:
SHEET 45 OF 54