

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 653	04-00256-00-BR	SHELBY	40	38
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 12
14 SHEETS

Contract No. 95555

Illinois Department of Transportation
Division of Highways
District 7 - Materials

SOIL BORING LOG

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Date 9/23/05

ROUTE FAS 653 (CH. 6) DESCRIPTION Richmond Creek LOGGED BY F. Sandbacher
SECTION 04-00256-00-BR LOCATION NW 1/4, SEC. 34, TWP. 9 N. RNG. 4 E. 3 PM
COUNTY Shelby DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 087-3012
Station
BORING NO. 1
Station 21+40
Offset 27.00ft
Ground Surface Elev. 551.69 ft

DEPTH (ft)	DRILLING METHOD	HAMMER TYPE	DESCRIPTION	WATER	TEMP.	REMARKS
0			Surface Water Elev. Dry ft			
0			Stream Bed Elev. 534.92 ft			
0			Groundwater Elev. 534.7 ft			
0			First Encounter Upon Completion Hole cased ft			
0			After Hrs.			
0			Ground Surface Elev. 551.69 ft			
0			Brown, SANDY CLAY w/ gravel.			
5.69			Very loose, wet, gray, fine grained, SAND w/ trace fine gravel. 5% passing #200 sieve.			
10.28			Hard, very moist, brown mottled red, CLAY w/ trace fine gravel. Low recovery, 1 1/2" rock in sampler shoe.			
14.87			Very damp, gray, SANDY LOAM w/ fine gravel.			
19.46			1/2" Sandstone fragments, pokershipped sample.			
24.05			Very stiff, very moist, brown, SANDY CLAY, sample pokershipped.			
28.64			Very dense, moist, gray, CLAY SHALE.			
33.23			Extent of exploration.			
37.82			Dry, brown, fine grained, SAND. 4% passing #200 sieve.			
42.41			Medium, damp, brown and gray layered, SANDY LOAM w/ trace fine gravel.			
47.00			Very loose, damp, fine grained, red, SAND w/ Sandstone fragments. 10% passing #200 sieve.			
51.59			Very soft, wet, gray, SANDY LOAM w/ Gravel.			
56.18						

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 (ASTM T208)

BBS, from 137 (Rev. 8-99)

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ROUTE FAS 653 (CH. 6) DESCRIPTION Richmond Creek LOGGED BY F. Sandbacher
SECTION 04-00256-00-BR LOCATION NW 1/4, SEC. 34, TWP. 9 N. RNG. 4 E. 3 PM
COUNTY Shelby DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 087-3012
Station
BORING NO. 2
Station 21+08
Offset 10.00ft
Ground Surface Elev. 536.16 ft

DEPTH (ft)	DRILLING METHOD	HAMMER TYPE	DESCRIPTION	WATER	TEMP.	REMARKS
0			Surface Water Elev. Dry ft			
0			Stream Bed Elev. 534.92 ft			
0			Groundwater Elev. 531.7 ft			
0			First Encounter Upon Completion Hole cased ft			
0			After Hrs.			
0			Ground Surface Elev. 536.16 ft			
0			Temporary working platform.			
5.66			Very loose, wet, gray, fine grained, SAND w/ few Sandstone fragments. 6% passing #200 sieve.			
11.32			Very dense, moist, gray, CLAY SHALE.			
16.98			Extent of exploration.			

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SECTION 04-00256-00-BR LOCATION NW 1/4, SEC. 34, TWP. 9 N. RNG. 4 E. 3 PM
COUNTY Shelby DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 087-3012
Station
BORING NO. 3
Station 21+55
Offset 15.00ft
Ground Surface Elev. 538.07 ft

DEPTH (ft)	DRILLING METHOD	HAMMER TYPE	DESCRIPTION	WATER	TEMP.	REMARKS
0			Surface Water Elev. Dry ft			
0			Stream Bed Elev. 534.92 ft			
0			Groundwater Elev. 533.6 ft			
0			First Encounter Upon Completion Hole cased ft			
0			After 72 Hrs. 535.1 ft			
0			Ground Surface Elev. 538.07 ft			
0			Temporary working platform.			
5.07			Very soft, very damp, dark gray, SILTY LOAM w/ many organics.			
10.14			Very dense, moist, gray, CLAY SHALE.			
15.21			Very dense, moist, gray, estimated LIMESTONE.			
20.28			Extent of exploration.			

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 (ASTM T208)

BBS, from 137 (Rev. 8-99)

Note: Stations and offsets of soil borings are based on the existing alignment.

BORING LOGS
F.A.S. RTE. 653 - SEC. 04-00256-00-BR
SHELBY COUNTY
STATION 21+06.00
STRUCTURE NO. 087-3563