

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG** Page 1 of 3  
Date 7607

ROUTE FAP 322 (IL 1) DESCRIPTION Norfolk & Southern Railroad LOGGED BY E. Sandschafer

SECTION 103B-1 LOCATION SW 14, SEC. 30, TWP. 1 S, RNG. 12 W, 3 PM

COUNTY Wabash DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 093-0007  
Station 757+96.93

BORING NO. 5  
Station 759+88  
Offset 9.50ft Lt  
Ground Surface Elev. 452.61 ft

DEPTH (ft)	DRILLING METHOD	HAMMER TYPE	DESCRIPTION	UCS (lb)	UCS (%)	UCS (min)	UCS (max)
0			8" asphalt on 6" concrete pavement.				
0.5			Medium, damp, tan, gray, SILTY CLAY.				
1.0							
1.5							
2.0							
2.5							
3.0							
3.5							
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49.0							
49.5							
50.0							

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 T206)

BBS, form 137 (Rev. 8-99)

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**SOIL BORING LOG** Page 2 of 3  
Date 7607

ROUTE FAP 322 (IL 1) DESCRIPTION Norfolk & Southern Railroad LOGGED BY E. Sandschafer

SECTION 103B-1 LOCATION SW 14, SEC. 30, TWP. 1 S, RNG. 12 W, 3 PM

COUNTY Wabash DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 093-0007  
Station 757+96.93

BORING NO. 5  
Station 759+88  
Offset 9.50ft Lt  
Ground Surface Elev. 452.61 ft

DEPTH (ft)	DRILLING METHOD	HAMMER TYPE	DESCRIPTION	UCS (lb)	UCS (%)	UCS (min)	UCS (max)
0			Soft, very damp, SILTY LOAM.				
0.5							
1.0							
1.5							
2.0							
2.5							
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49.5							
50.0							

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 T206)

BBS, form 137 (Rev. 8-99)

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**ROCK CORE LOG** Page 3 of 3  
Date 7607

ROUTE FAP 322 (IL 1) DESCRIPTION Norfolk & Southern Railroad LOGGED BY E. Sandschafer

SECTION 103B-1 LOCATION SW 14, SEC. 30, TWP. 1 S, RNG. 12 W, 3 PM

COUNTY Wabash CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 093-0007  
Station 757+96.93

BORING NO. 5  
Station 759+88  
Offset 9.50ft Lt  
Ground Surface Elev. 452.61 ft

DEPTH (ft)	DESCRIPTION	UCS (lb)	UCS (%)	UCS (min)	UCS (max)
0	Brown, moderately weathered, SANDSTONE.				
0.5	Red w/gray layers, SILTY CLAY SHALE. Rock Core sample B5A @ 46.3' to 46.7' depth Qu = 4.6 tsf.				
1.0	Brown, moderately weathered, SANDSTONE.				
1.5	Gray, slightly weathered, SILTY CLAY SHALE.				
2.0	Gray, SANDSTONE.				
2.5	Brown, SILTY CLAY SHALE.				
3.0	Gray, SANDSTONE.				
3.5	Gray, slightly weathered, SILTY CLAY SHALE w/one 1" Sandstone layer.				
4.0	Gray w/thin black layers, SANDSTONE.				
4.5	Gray, moderately weathered, SILTY CLAY SHALE.				
5.0					