


SOIL BORING

SN: 6C068I055R056.3

SN: 6C068I055R064.5

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 Date 8-1-2012



SOIL BORING LOG


ROUTE I-55 DESCRIPTION Overhead Sign Structure LOGGED BY BJJ
 SECTION D6 Overhead Sign Replace LOCATION North of Litchfield
 COUNTY Montgomery STRUCTURE NO. 6C068I055R056.3 (Exist) (Prop.)
 BORING NO. 6C068I055R056.3 DRILLING METHOD 3 1/4" HSA HAMMER TYPE 140 LB Automatic

SOIL DESCRIPTION					SOIL DESCRIPTION				
(ft.)	(ft.)	(ft.)	(ft.)	(%)	(ft.)	(ft.)	(ft.)	(ft.)	(%)
Station Sta. 1853+47.8					Surface Water Elev. n/a (ft.)				
Offset 126.2 Lt					Groundwater Elev. 12 (ft.)				
Ground Surface Elev. 667.66 (ft.)					First Encounter Upon Completion 25 (ft.)				
					After 72 Hrs. 3.5 (ft.)				
Topsoil (0%)					Gray, Dry, Clay Loam/Loam, Sandy, Silty, Trace Gravel				
658.91					17.5 7				
Yellow Brown, Moist, Clay, Silty					17 7.70 S 7.8				
21									
2.5									
Sandy, Silty, Trace Gravel					20 11				
Light Gray mottled Yellow Brown, Silty, Trace Sand, (Glacial Till)					21 10.83 S 7.1				
2					34				
3 1.76 P 22.1									
3									
Silty, Trace Sand, Black Oxidation					22.5 16				
1					24 4.5+ P 7.8				
2 0.04 B 25.6									
3									
With Sand					633.18				
7.5 1					25 8				
2 1.31 B 22.3					20 5.89 S 7.0				
3					30				
Sandy, with Seam of Clay Loam, Sandy, Silty					630.66				
10 1					27.5 5				
2 1.30 B 18.8					5 3.66 B 15.8				
2					6				
Yellow Brown mottled Light Gray, Sandy, Silty, with Gravel					627.66				
12.5 3					30 4				
7					8 4.21 B 15.3				
12					12				
643.16					End of Boring @ 31 Ft.				
Yellow Brown/Brown mottled Light Gray, Moist, Clay Loam, Sandy, Silty, Trace Gravel, with Sand Seam					628.68				
15 6					32.5				
19 0.07 S 8.8									
25									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
 The Standard Penetration Test (SPT) N Value is per (AASHTO T206)

885 137 (8/05)

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 Date 8-30-2012



SOIL BORING LOG

ROUTE I-55 DESCRIPTION Overhead Sign Structure LOGGED BY BJJ
 SECTION D6 Overhead Sign Replace LOCATION Coalfield Rest Area in N.B. I-55
 COUNTY Montgomery STRUCTURE NO. 6C068I055R064.5 (Exist) (Prop.)
 BORING NO. 6C068I055R064.5 DRILLING METHOD 3 1/4" HSA HAMMER TYPE 140 LB Automatic

SOIL DESCRIPTION					SOIL DESCRIPTION				
(ft.)	(ft.)	(ft.)	(ft.)	(%)	(ft.)	(ft.)	(ft.)	(ft.)	(%)
Station Sta. 1413+60.8					Surface Water Elev. n/a (ft.)				
Offset 118.2 Lt					Groundwater Elev. Dry (ft.)				
Ground Surface Elev. 634.66 (ft.)					First Encounter Upon Completion 24 Hrs. 5.5 (ft.)				
Topsoil (0%)					Mottled Gray, Sandy, Silty, Trace Gravel				
633.91					17.5 2				
Yellow Brown, Moist, Clay, Silty					5 3.46 B 17.5				
7									
2.5									
Sandy, Silty, Trace Gravel					20 4				
Light Brown mottled Light Gray, Sandy, Silty, Trace Gravel					6 2.39 B 13.4				
2					8				
3 1.41 B 26.4									
6 3									
Reddish Brown mottled Light Gray, Silty, Trace Sand, (Glacial Till)					22.5 1				
1					4 3.04 B 16.6				
2 1.34 B 28.6									
3									
Reddish Brown mottled Light Gray, Silty, Trace Sand, Black Oxidation Nodules					633.18				
7.5 1					25 2				
2 1.71 B 26.7					5 2.44 B 16.6				
3					6				
Reddish Brown/Yellow Brown mottled Light Gray, Silty, with Sand, Reddish Brown Oxidation Seams					607.18				
10 1					27.5 2				
1 0.59 B 21.8					5 3.51 B 18.0				
2					7				
Light Gray mottled Yellow Brown, Sandy, Silty, Trace Gravel, with Seam of Wet, Sandy Clay, Silty					604.66				
12.5 4					30 8				
8 2.43 S 9.5					11 3.0 P 7.1				
9					12				
Light Gray, Moist, Loam, Sandy, Silty, with Gravel					603.66				
622.66					End of Boring @ 31 Ft.				
620.16									
Brown mottled Greenish Gray, Moist, Clay, Silty, with Sand, Trace Gravel					32.6				
16 4									
6 5.54 B 18.9									
7									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
 The Standard Penetration Test (SPT) N Value is per (AASHTO T206)

885 137 (8/05)