

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 1
Date 12/30/03

ROUTE FAJ 55 DESCRIPTION Bridge End-Slope Retaining Wall LOGGED BY G. Goddard

SECTION 2002-022K LOCATION SW 1/4, SEC. 14, TWP. T37N, R10E, S10E, 3rd PM

COUNTY WILL DRILLING METHOD Mobile B80, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____ SURFACE WATER Elev. _____ ft D B U M O I S T
Station _____ Stream Bed Elev. _____ ft D E L C S I
BORING NO. BRW-1 GROUNDWATER Elev. _____ ft P O S I
Station 1493+31 I.L. 53 H S Q T
Offset 59.00R R.L. CL. IL 53 T W S I
Ground Surface Elev. 701.69 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

1 In. Thick Yellow Hard Brown SILTY CLAY w/trace coarse sand
Very Silty Gray SILTY CLAY w/trace coarse sand to fine gravel (continued)
Grades Very Silty to Hard

7	4.8	17						
7	11	B						
4								
5	4.7	15						
5	B							
6	6.4	18						
11	B							
7	4.5	18						
11	B							
5	8.1	17						
10	3	12						
5								
15	8.0	18						
15	B							
5	3.8	18						
8	B							
5	3.9	18						
4	B							
7	B							
6	3.7	14						
11	B							
11	B							

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 T206) BBS, from 137 (Rev. 8-99)

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ROUTE FAJ 55 DESCRIPTION Bridge End-Slope Retaining Wall LOGGED BY G. Goddard

SECTION 2002-022K LOCATION SW 1/4, SEC. 14, TWP. T37N, R10E, S10E, 3rd PM

COUNTY WILL DRILLING METHOD Mobile B80, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____ SURFACE WATER Elev. _____ ft D B U M O I S T
Station _____ Stream Bed Elev. _____ ft D E L C S I
BORING NO. BRW-2 GROUNDWATER Elev. _____ ft P O S I
Station 1492+62 I.L. 53 H S Q T
Offset 75.00R R.L. CL. IL 53 T W S I
Ground Surface Elev. 700.93 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

4 In. Thick Yellow Very Silty Gray SILTY CLAY w/trace coarse sand to fine gravel (continued)
Grades Very Silty to Hard

2	2.8	17						
2	5	B						
2								
3	1.8	20						
3	B							
4								
2								
4	1.2	17						
5	B							
4								
2								
1	0.4	20						
5	B							
4								
6	6.2	18						
10	5	19						
10	B							
4								
7	2.7	18						
10	B							
2								
5	2.8	18						
6	B							
3								
4	2.5	17						
6	B							
3								
5	2.8	15						
7	B							
7	B							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Date 12/30/03

ROUTE FAJ 55 DESCRIPTION NE Frontage Road Retaining Wall LOGGED BY G. Goddard

SECTION 2002-022K LOCATION SW 1/4, SEC. 14, TWP. T37N, R10E, S10E, 3rd PM

COUNTY WILL DRILLING METHOD Mobile B80, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____ SURFACE WATER Elev. _____ ft D B U M O I S T
Station _____ Stream Bed Elev. _____ ft D E L C S I
BORING NO. BRW-1 GROUNDWATER Elev. _____ ft P O S I
Station 17455 H S Q T
Offset 26.00R R.L. CL. IL 53 T W S I
Ground Surface Elev. 701.39 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

Very Silty Gray SILTY CLAY w/trace coarse sand (continued)
Thin silt seam @ about 20.4 ft

2	2.8	17						
2	5	B						
2								
2	2.5	23						
3	P							
3	2.8	23						
3	P							
4								
2								
3	1.5	24						
6	B							
9	8.2	16						
13	B							
9	4.0	17						
7	B							
3								
5	4.0	15						
7	B							
7	B							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ROUTE FAJ 55 DESCRIPTION NE Frontage Road Retaining Wall LOGGED BY G. Goddard

SECTION 2002-022K LOCATION SW 1/4, SEC. 14, TWP. T37N, R10E, S10E, 3rd PM

COUNTY WILL DRILLING METHOD Mobile B80, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____ SURFACE WATER Elev. _____ ft D B U M O I S T
Station _____ Stream Bed Elev. _____ ft D E L C S I
BORING NO. BRW-2 GROUNDWATER Elev. _____ ft P O S I
Station 13.00R R.L. CL. IL 53 H S Q T
Offset 13.00R R.L. CL. IL 53 T W S I
Ground Surface Elev. 705.62 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

Brown SILTY CLAY w/trace coarse sand
Very Silty Gray SILTY CLAY w/trace fine gravel (continued)
Grades w/trace coarse sand to fine gravel (continued)
End of Boring

3	3.4	15						
5	3.5	15						
5	B							
2								
3	2.5	24						
5	P							
3								
3	1.4	27						
3	B							
2								
3	2.8	16						
3	B							
2								
3	3.7	18						
3	B							
4								
6	2.5	16						
8	B							
4								
5	1.9	15						
6	B							
3								
5	3.9	14						
4	B							
4	B							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ROUTE FAJ 55 DESCRIPTION Skip Truss LOGGED BY G. Goddard

SECTION 2002-022K LOCATION SW 1/4, SEC. 14, TWP. T37N, R10E, S10E, 3rd PM

COUNTY WILL DRILLING METHOD Mobile B80, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____ SURFACE WATER Elev. _____ ft D B U M O I S T
Station _____ Stream Bed Elev. _____ ft D E L C S I
BORING NO. ST-1 GROUNDWATER Elev. _____ ft P O S I
Station 4445 H S Q T
Offset 30.00R R.L. CL. IL 53 T W S I
Ground Surface Elev. 712.73 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

Brown SILTY CLAY FILL
Very Silty Grayish-Brown SILTY CLAY w/trace coarse sand to fine gravel (continued)

3	3.4	15						
5	3.4	15						
6	B							
3								
7	8.0	15						
7	B							
3								
4	3.0	15						
5	B							
3								
3	4.5	14						
3	P							
10								
10	B							
5								
6	5.8	15						
11	B							
11	B							
4								
8	3.6	14						
8	B							
8	3	13						
8	B							
3								
3	2.5	17						
8	B							
2								
4	3.2	15						
8	B							
3								
4	2.7	16						
4	B							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ROUTE FAJ 55 DESCRIPTION Skip Truss LOGGED BY G. Goddard

SECTION 2002-022K LOCATION SW 1/4, SEC. 14, TWP. T37N, R10E, S10E, 3rd PM

COUNTY WILL DRILLING METHOD Mobile B80, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____ SURFACE WATER Elev. _____ ft D B U M O I S T
Station _____ Stream Bed Elev. _____ ft D E L C S I
BORING NO. ST-2 GROUNDWATER Elev. _____ ft P O S I
Station 20+00 H S Q T
Offset 33.00R R.L. CL. IL 53 T W S I
Ground Surface Elev. 720.06 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

Medium Brown & Black SILTY CLAY
Silty to Very Silty Gray SILTY CLAY w/trace fine gravel (continued)
Thin silt seam @ about 20.5 ft & 21.3 ft

3	1.7	18						
4	1.7	18						
4	B							
2								
3	2.0	17						
5	B							
4								
4	3.8	17						
8	B							
4								
4	2.8	17						
5	B							
4								
4	2.9	17						
10	B							
3								
4	3.3	17						
8	P							
4								
3								
8	4.9	15						
8	B							
3								
5	1.9	14						
5	B							
5	B							

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F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	170
STA. 10+00		TO STA. 22+96.05		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62389				

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SOIL BORING LOG

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Date 11/26/03

ROUTE FAJ 55 DESCRIPTION Skip Truss LOGGED BY G. Goddard

SECTION 2002-022K LOCATION SW 1/4, SEC. 14, TWP. T37N, R10E, S10E, 3rd PM

COUNTY WILL DRILLING METHOD Mobile B80, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____ SURFACE WATER Elev. _____ ft D B U M O I S T
Station _____ Stream Bed Elev. _____ ft D E L C S I
BORING NO. ST-3 GROUNDWATER Elev. _____ ft P O S I
Station 27+50 H S Q T
Offset 41.00R R.L. CL. IL 53 T W S I
Ground Surface Elev. 721.55 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

Very Silty Gray SILTY CLAY w/trace coarse sand (continued)
Silty Gray SILTY CLAY
Soft to Medium Silty Brown SILTY CLAY
Grades Brownish-Gray
Grades Silty w/trace silt
Very Silty Gray SILTY CLAY w/trace coarse sand
Grades w/trace coarse sand & trace fine gravel

2	3.5	14						
9	B							
14								
20								
3	1.7	25						
8	B							
3								
3	2.7	15						
6	B							
3								
3	1.5	25						
5	B							
4								
4	2.0	12						
5	P							
6								
5	2.5	18						
8	B							
9	2.5	18						
8	B							
3								
8	2.8	18						
10	B							
10	B							

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REVISIONS	NAME	DATE