

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7 7 SHEETS
FAP 618	33(EXT) BR	McDONOUGH	63	26	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 68266

**Illinois Department of Transportation**  
Division of Highways  
District Four Materials

**SOIL BORING LOG** Page 1 of 1  
Date 7/9/02

ROUTE FAP 618 (IL 41) DESCRIPTION IL 41 Over a Branch of Kepple Creek LOGGED BY DBR

SECTION 33 (EXT) BR LOCATION SE 14, SE 14, SEC. 16, TWP. 6N, RNG. 1W, 4 PM

COUNTY McDonough DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 055-0024  
Station 1014+55

BORING NO. 1  
Station 1014+48  
Offset 30.00 ft of CL  
Ground Surface Elev. 630.13 ft (ft) (ft) (tsf) (%)

Soil Description	Depth (ft)	U (ft)	M (ft)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After 24 Hrs. Not Taken (ft)	(ft) (ft) (tsf) (%)
No Sample Taken									
Dark Gray SILTY LOAM	628.63	4	2.47						20
		5	S						6
Gray SILTY CLAY	626.13	1	0.62						32
		2	B						5
Dark Gray SILTY CLAY	623.63	1	1.24						31
		2	B						6
Gray SILTY CLAY	621.13	0							3
Free Water @ 9.7' (2.97m)		1	1.03						24
		1	B						7
Gray CLAY LOAM	618.63	0							1
1" sand seam @ 12' (3.66m)		1	0.62						31
		1	B						5
Gray Fine SAND	616.13	1							5
		2							19
		3							17
Gray CLAY LOAM	613.63	1	1.85						23
		5	B						2
		2							2
		2	2.27						22

Surface Water Elev. 625.37 ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.: \_\_\_\_\_ ft  
First Encounter Upon Completion 620.4 ft  
After 24 Hrs. Not Taken \_\_\_\_\_ ft

Gray CLAY LOAM (continued)

1"-2" sand layer @ 29.3' (8.93m)

sandy & gravelly @ 635.53'

BORING GROUTED DUE TO ARTESIAN H2O @ 35.5'

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 T208)  
BBS, from 137 (Rev. 8-99)

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COUNTY McDonough DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 055-0024  
Station 1014+55

BORING NO. 2  
Station 1014+70  
Offset 35.00 ft of CL  
Ground Surface Elev. 629.61 ft (ft) (ft) (tsf) (%)

Soil Description	Depth (ft)	U (ft)	M (ft)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion (ft)	After 24 Hrs. Not Taken (ft)	(ft) (ft) (tsf) (%)
No Sample Taken									
Dark Gray SILTY CLAY LOAM	628.11	2	2.77						16
		2	P						16
Dark Gray SILTY CLAY	625.61	2	0.82						35
		1	B						10
Dark Gray SILTY CLAY	623.61	0							4
		2	0.62						27
		1	B						9
Gray SILTY LOAM w/some sand	620.61	0							4
Free Water @ 12.25' (3.73m)		2	1.03						21
		1	B						11
Gray Fine SAND	618.11	1							19
Free Water @ 12.25' (3.73m)		2							4
		4							
Gray SILTY SAND w/some clay	615.61	2	2.40						20
		16	B						35
Gray Fine SAND	613.11	2							18
		5							9
		4							10
		10							17

Surface Water Elev. 625.37 ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.: \_\_\_\_\_ ft  
First Encounter Upon Completion 617.4 ft  
After 24 Hrs. Not Taken \_\_\_\_\_ ft

Gray Fine SAND (continued)

Gray CLAY LOAM TILL

Gray CLAY LOAM TILL

599.11

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 T208)  
BBS, from 137 (Rev. 8-99)

**BORING LOGS**  
**F.A.P. ROUTE 618 - SECTION 33(EXT)BR**  
**McDONOUGH COUNTY**  
**STATION 1014+55.00**  
**STRUCTURE NO. 055-2005**