



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 2

Date 5/3/11

ROUTE FAP 17 DESCRIPTION P92-008-08 South side access road, proposed culvert along IL 64 LOGGED BY W. Garza

SECTION 4 BR-5 LOCATION Salem Twp. - 8 NW, SEC., TWP. 24N, RNG. 5E
COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	MOISTURE	Surface Water Elev.	DEPTH	BULGE	UCS	MOISTURE
Station	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. B-1c					Groundwater Elev.:				
Station 671+42					First Encounter 733.2 ft				
Offset 60.00ft RI CL					Upon Completion 710.2 ft				
Ground Surface Elev. 745.20 ft					After Hrs. ft				
STIFF brown SILTY CLAY LOAM			1.5 P	26.0	STIFF gray TILL (continued)	724.20	5.9 B	1.9	13.0
STIFF dark brown SILTY CLAY LOAM	743.20	4			MEDIUM gray TILL		4		
	741.70	4	1.0 P	32.0		721.70	4.7 B	0.6	13.0
SOFT brown LOAM		3			5/5/11 SOFT light gray SILT		3		
	739.20	3	0.4 B	25.0		719.20	3.4 P	0.3	21.0
SOFT gray SANDY LOAM		1			VERY STIFF gray CLAY LOAM		2		
	736.20	2	0.3 P	28.0		716.70	3.5 B	2.1	23.0
MEDIUM tan moist weathered LIMESTONE rock fragments		11			VERY STIFF gray CLAY LOAM		3		
	734.20	9				714.20	3.5 B	2.9	26.0
LOOSE gray dirty SAND		1			STIFF gray SILTY CLAY		2		
	731.70	3				711.70	4.5 B	1.2	25.0
MEDIUM gray dirty SAND		5			STIFF gray SILTY CLAY		3		
	728.70	6				709.20	3.6 B	1.8	25.0
MEDIUM gray SANDY LOAM TILL		3			SOFT gray SILTY LOAM		2		
	726.70	3	0.7 B	12.0		706.70	3.5 P	0.4	25.0
STIFF gray TILL		4			STIFF gray SILTY LOAM		3		

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, from 137 (Rev. 8-99)



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Station	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. B-1c					Groundwater Elev.:				
Station 671+42					First Encounter 733.2 ft				
Offset 60.00ft RI CL					Upon Completion 710.2 ft				
Ground Surface Elev. 745.20 ft					After Hrs. ft				
STIFF gray SILTY LOAM (continued)		4				704.20	7	1.0	20.0
End of Boring									

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)
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STRUCT. NO.	DEPTH	BULGE	UCS	MOISTURE	Surface Water Elev.	DEPTH	BULGE	UCS	MOISTURE
Station	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. B-2c					Groundwater Elev.:				
Station 672+00					First Encounter 735.7 ft				
Offset 38.00ft RI CL					Upon Completion 732.7 ft				
Ground Surface Elev. 742.70 ft					After Hrs. ft				
MEDIUM brown SILTY CLAY LOAM			0.9 P	28.0	VERY STIFF gray SANDY LOAM TILL (continued)	721.70	7.8 B	2.1	13.0
MEDIUM brown SILTY CLAY LOAM	740.70	1			MEDIUM gray LOAM TILL		2		
	739.20	3	0.8 B	24.0		719.20	3.7 B	0.8	13.0
MEDIUM brown SANDY LOAM		1			MEDIUM gray SILTY CLAY with SAND lens		0		
	736.20	2	0.5 P	25.0		716.20	3	0.8 B	23.0
MEDIUM dark gray dirty SANDY GRAVEL		4			VERY LOOSE gray fine SAND		0		
	734.20	6				713.70	0		
MEDIUM gray SANDY GRAVEL		2			VERY STIFF gray CLAY LOAM with SILT lens		0		
	731.70	4				711.70	2.4 B	2.1	25.0
MEDIUM gray clean medium coarse SAND		5			MEDIUM gray CLAY LOAM		1		
	729.20	4				709.20	2.3 B	0.7	26.0
MEDIUM gray dirty SAND		5			VERY SOFT gray SILTY LOAM		0		
	726.20	6				706.70	2.5 B	0.2	27.0
STIFF gray SANDY LOAM TILL		1			End of Boring				
	724.20	3	1.1 B	13.0					

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, from 137 (Rev. 8-99)

FILE NAME = ...E4DB3-SN0081106-007-Bor-rog-logs.dgn



Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

USER NAME = SAW	DESIGNED - JLA	REVISED -
PLOT SCALE = 0:2.0000 'ft' / in.	CHECKED - DAZ	REVISED -
PLOT DATE = 6/26/2013	DRAWN - SAW	REVISED -
	CHECKED - JLA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
S.N. 008-1106

SHEET NO. SC-7 OF SC-7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	4BR-5	CARROLL	150	94
CONTRACT NO. 64DB3				
ILLINOIS FED. AID PROJECT				