



SOIL BORING LOG

Page 1 of 2

Date 1/3/01

ROUTE US 30 DESCRIPTION US 30 culvert, .2 mile west of Emerson Road LOGGED BY W. Garza

SECTION LOCATION Hopkins Twp. - SW, SEC. 21, TWP. 21N, RNG. 6E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
N/A	503 + 79	B-1	503 + 48	14.00 ft Lt CL	99.8					Surface Water Elev. 81.5 ft Stream Bed Elev. 81.0 ft Groundwater Elev.: First Encounter 82.3 ft Upon Completion 78.3 ft After Hrs. ft				
						78.30			17	MEDIUM gray SILT			0.7	22
						97.30	13		20	frozen brown SILTY CLAY LOAM				
						95.80	9			SOFT gray SILTY TILL with SAND lens			0.44	19
						93.30	4	3.0	23	VERY STIFF gray SILTY CLAY				
						90.80	3	1.2	28	STIFF gray SILTY CLAY with GRAVEL				
						88.30	4	2.25	24	VERY STIFF gray olive green SILTY LOAM with COAL				
						85.80	2	1.32	24	STIFF blue-ish green SILTY LOAM				
						83.30	1	0.44	37	SOFT gray SILTY CLAY TILL			0.0	37
						80.80	0	0.82	29	MEDIUM gray SILTY CLAY TILL with ORGANICS				

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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N/A	503 + 79	B-1	503 + 48	14.00 ft Lt CL	99.8					Surface Water Elev. 81.5 ft Stream Bed Elev. 81.0 ft Groundwater Elev.: First Encounter 82.3 ft Upon Completion 78.3 ft After Hrs. ft				
						58.80			100/11	VERY DENSE white-ish gray weathered LIMESTONE				
						End of Boring								

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COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
N/A	503 + 79	B-2	504 + 06	12.00 ft Rt CL	100.3					Surface Water Elev. 81.5 ft Stream Bed Elev. 81.0 ft Groundwater Elev.: First Encounter 92.8 ft Upon Completion 81.3 ft After Hrs. ft				
						78.80			21	frozen brown SILTY CLAY				
						78.80				VERY STIFF gray tan SILTY CLAY TILL			3.9	15
						97.30	10		19	STIFF brown SILTY CLAY			6	14
						96.30	8	2.0		HARD gray SILTY CLAY TILL with COAL			7	
						73.80	6						6	
						93.80	4	1.65	22	MEDIUM olive-green brown SILTY CLAY TILL			5	15
						73.80	7			HARD gray SILTY CLAY TILL			8	
						91.30	2	2.89	22	VERY STIFF Same as above with weathered LIMESTONE lens			7	13
						70.80	5			HARD gray SILTY CLAY TILL, bottom 6" dirty SAND & GRAVEL			11	
						68.80	3	0.8	33	MEDIUM gray SILTY CLAY			15	
						68.80	4			VERY DENSE white-ish gray weathered LIMESTONE			100/10	
						88.30	1	0.3	33	SOFT gray SILTY LOAM			67.30	100/21
						88.30	3			VERY DENSE white-ish gray tan weathered LIMESTONE				
						83.30	1			End of Boring				
						83.30	1	0.7	29	MEDIUM dark gray SILTY CLAY				
						80.80	1	0.25	12	SOFT gray SILT with ORGANICS and SAND lens				
						80.80	2							

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BBS, from 137 (Rev. 8-99)

FILE NAME = PACBBEL WEST Projects\2009\124108 DD1 Various Vertical Structural\Ugn\Work Order #12 IL 30 Culvert\SN 098-1021\981021-64F23-001-SolBor.mxd



USER NAME *	DESIGNED - DLS	REVISED -
FILE NAME *	CHECKED - AEU	REVISED -
PLOT SCALE *	DRAWN - DLS	REVISED -
PLOT DATE *	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 098-1021
SHEET NO. 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	48
CONTRACT NO. 64F23			ILLINOIS FED. AID PROJECT	