

### BORING #1 (1971)

Ground Surface	Elevation	Soil	Penetration	Soil	Elevation	Soil	Penetration
528.9 0	528.9 0	SOFT, VERY DAMP, BROWN, SILTY CLAY LOAM TO SILTY CLAY	5	0.3 S	31	7	19
526.4	526.4	SOFT, VERY DAMP, BROWN, LOAM TO CLAY LOAM WITH THIN LENSES OF FINE SAND	5	0.3 S	17	45	13
522.9	522.9	LOOSE, MOIST, BROWN-GREY, SAND WATER ENCOUNTERED AT ELEVATION 517.9	5	8	8	6.0E	10
517.9	517.9	LOOSE, WET, BROWN, SAND	5	22	22		

### BORING #2 (1971)

Ground Surface	Elevation	Soil	Penetration	Soil	Elevation	Soil	Penetration
524.3 0	524.3 0	VERY DENSE, DRY, GREY, SHALE WITH THIN LENSES OF HARD LIMY SANDSTONE	3	0.2 E	32	7	
520.3	520.3	LOOSE, VERY DAMP, BROWN-GREY, FINE SAND	10	0.2 E	20		
516.3	516.3	VERY LOOSE, WET, BROWN-GREY, FINE SAND WITH THIN LENSES OF SOFT WET CLAY TO CLAY LOAM	1		20		
513.3	513.3	SOFT, WET, BROWN, CLAY TO CLAY LOAM WITH THIN LENSES OF SAND	5	0.3 E	26		
511.3	511.3	VERY LOOSE, WATER BEARING, BROWN-GREY, SAND WATER ENCOUNTERED AT ELEVATION 511.3	4		20		
508.3	508.3	LOOSE, WET, BROWN-GREY, SAND WITH GRAVEL PARTICLES AND A FEW THIN WET LENSES OF CLAY LOAM	8		16		
504.3	504.3	VERY DENSE, MOIST, GREY, SHALE WITH VERY THIN LENSES OF HARD LIMY SANDSTONE	8		8		

### BORING #3 (1971)

Ground Surface	Elevation	Soil	Penetration	Soil	Elevation	Soil	Penetration
528.3 0	528.3 0	SOFT, WET, BROWN, LOAM TO CLAY LOAM	3	0.2 E	21	3.5 E	12
523.3	523.3	SOFT, WET, BROWN, SILTY CLAY LOAM TO CLAY LOAM WITH VERY THIN LENSES OF SAND	5	0.3 E	19		
520.8	520.8	VERY LOOSE, WET, BROWN, CHANGING TO DARK GREY WITH DEPTH, SAND TO SANDY LOAM	2		26		
503.8	503.8	VERY STIFF, WEATHERED, SANDY SHALE	3		12		
502.8	502.8	VERY DENSE, DRY, GREY, SHALE WITH THIN LENSES OF LIMY SANDSTONE	2		14		

### BORING #4 (1971)

Ground Surface	Elevation	Soil	Penetration	Soil	Elevation	Soil	Penetration
538.9 0	538.9 0	EXISTING PAVEMENT, SUB-BASE AND STIFF, DAMP, BROWN, CLAY SUBGRADE	12	2.8 S	25		
535.9	535.9	VERY STIFF, VERY MOIST TO DAMP, BROWN-GREY, CLAY TILL (EXISTING EMBANKMENT)	12	2.8 S	31		
512.4	512.4	SOFT, WET, DARK GREY, CLAY	2	0.5 E	31		
510.9	510.9	LOOSE, WET, BROWN, DARK GREY, SAND WITH SMALL GRAVEL PARTICLES	5		19		
507.9	507.9	MEDIUM, VERY DAMP, DARK GREY, SLIGHTLY ORGANIC, CLAY	8	0.6 E	35		
505.9	505.9	VERY DENSE, MOIST TO DRY, GREY SHALE WITH THIN LENSES OF LIMY SANDSTONE	8	4.0E	11		
502.4	502.4	EXTENT OF EXPLORATION	14		6		
527.9	527.9	VERY STIFF, MOIST, DARK GREY, SANDY CLAY LOAM WITH 24" PENETRATION LENSES OF SOFT CLAY	15	3.5 E	13		
525.9	525.9	LOOSE, DAMP, DARK GREY, SILTY LOAM WITH THIN LENSES OF CLAY	9		14		
523.4	523.4	MEDIUM, DAMP, DARK GREY, CLAY LOAM WITH LENSES OF VERY DAMP SANDY LOAM TO SAND	7	0.7 E	24		
520.9	520.9	LOOSE (SOFT), VERY DAMP, DARK GREY, SANDY LOAM WITH VERY THIN LENSES OF CLAY	5	0.3 S	24		
517.4	517.4	VERY LOOSE, WET, BROWN, FINE SAND	5		21		

H - Standard Penetration Test - Blows per foot to drive 2" C.B. Split Spoon Sampler 12" dia. 1400# hammer falling 30".

Qu - Unconfined Compressive Strength - 1/d  
w - Water Content - percentage of oven dry weight - %

Type Soils:  
B - Bridge Failure  
S - Street Failure  
E - Estimated Value  
P - Penetrometer

SHEET TITLE		
BORING LOGS		
PROJECT	PROJECT NO.	SCALE
IL RTE. 32/33 OVER LITTLE WABASH RIVER	02017	
F.A.P. RTE. 774 SECTION 107BY	DATE	
EFFINGHAM COUNTY	DRAWN BY	CFC
STATION 1011+50.17	CHECKED BY	GJB/MCB
STRUCTURE NO. 025-0078	DRAWING NO.	
COOMBE-BLOXDORF P.C.		29
Engineers / Land Surveyors		OF 29 SHTS
Springfield, Illinois		
Design Firm License No. 184-002703		