STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation (Division of Highways IDOT - Dist 5)

SOIL BORING LOG

Page 1 of 3

Date 10/5/03

ROUTE FAS 535-Shady Rest Rd. DESCRIPTION Sangamon River Northwest of White Heath LOGGED BY CNA

SECTION (J-BRIDGE) LOCATION NW, SEC. 21, TWP. 16N, RNG. 6E. 3rd PM

COUNTY Piatt DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 074-0026 (Exist.) Station 40+06.87

BORING NO. 3 South Abut. Station 39+46.5 Offset 0.0 ft Rt Ground Surface Elev. 665.20 ft

Surface Water Elev. 642.40 ft Stream Bed Elev. 640.10 ft

Groundwater Elev.: First Encounter 636.2 ft ▼ Upon Completion Wash Bore ft After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
665.2 Brick to Gray Silty Clay Loam (Embankment)	1 2 2	1.2	26
648.2 Black Silty Clay (Embankment)	1 2 2		28
645.5 Black Silty Clay to Silty Clay Loam (Alluvium)	1 2 2	1.1	28
642.2 Gray Mottled Silty Clay Loam to Loam (Alluvium)	1 2 3	1.0	20
636.2 ▼ Grey to Brown Dirty Very Coarse Sand with Small to Large Gravel	1 2 3	0.7	24
	1 2 3		

Gray to Brown Dirty Very Coarse Sand with Small to Large Gravel (continued)

(Drilled Rough)

(Drove Sampler on Rock)

(Drilled Rough)

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
622.2 Brown Moderately Sorted Medium Sand	2 5 6		
	11 20 25		
619.2 Gray Dirty Very Coarse Sand with Large Gravel	9 17 16		

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
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)

Illinois Department of Transportation (Division of Highways IDOT - Dist 5)

SOIL BORING LOG

Page 2 of 3

Date 10/5/03

ROUTE FAS 535-Shady Rest Rd. DESCRIPTION Sangamon River Northwest of White Heath LOGGED BY CNA

SECTION (J-BRIDGE) LOCATION NW, SEC. 21, TWP. 16N, RNG. 6E. 3rd PM

COUNTY Piatt DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 074-0026 (Exist.) Station 40+06.87

BORING NO. 3 South Abut. Station 39+46.5 Offset 0.0 ft Rt Ground Surface Elev. 665.20 ft

Surface Water Elev. 642.40 ft Stream Bed Elev. 640.10 ft

Groundwater Elev.: First Encounter 636.2 ft ▼ Upon Completion Wash Bore ft After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
614.2 Gray Dirty Very Coarse Sand with Large Gravel (continued)	15 15 22		
610.2 Gray Moderately Sorted Very Coarse Sand with Gravel			
End of Boring			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
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)

Illinois Department of Transportation (Division of Highways IDOT - Dist 5)

SOIL BORING LOG

Page 1 of 2

Date 10/5/04

ROUTE FAS 535-Shady Rest Rd. DESCRIPTION OVER SANGAMON RIVER LOGGED BY BAKER

SECTION (J-BRIDGE) LOCATION NW, SEC. 21, TWP. 16N, RNG. 6E. 3rd PM

COUNTY Piatt DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 074-0026 Station 40+06.87

BORING NO. 4 Station 40+17.5 Offset 30.0 ft Lt Ground Surface Elev. 647.50 ft

Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 639.6 ft ▼ Upon Completion Wash Bore ft After Hrs. ft

DEPTH (ft)	BLOWS (12")	UCS Qu (tsf)	MOIST (%)
STIFF MEDIUM BROWN SILTY CLAY ALLUVIUM	3 5 5		
641.5 LOOSE TO VERY LOOSE SAND TO SAND LOAM WITH WATER	5 2 10		
630.5 LOOSE DARK GRAY SAND WITH SILT LENS	5 7 16		
623.5 LOOSE SAND AND GRAVEL	16		
621.5 MEDIUM BROWN SAND AND GRAVEL ▼	16		
620.5 MEDIUM GRAY-BROWN SAND	14 20		

MEDIUM GRAY-BROWN SAND (continued)

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
	17 26		
620.5 DENSE GRAY SAND	35 37		
	37		
611.5 DENSE COARSE SAND AND GRAVEL	30		
608.5 MEDIUM GRAY SAND AND GRAVEL	23		

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
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)

Illinois Department of Transportation (Division of Highways IDOT - Dist 5)

SOIL BORING LOG

Page 2 of 2

Date 10/5/04

ROUTE FAS 535-Shady Rest Rd. DESCRIPTION OVER SANGAMON RIVER LOGGED BY BAKER

SECTION (J-BRIDGE) LOCATION NW, SEC. 21, TWP. 16N, RNG. 6E. 3rd PM

COUNTY Piatt DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 074-0026 Station 40+06.87

BORING NO. 4 Station 40+17.5 Offset 30.0 ft Lt Ground Surface Elev. 647.50 ft

Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 639.6 ft ▼ Upon Completion Wash Bore ft After Hrs. ft

DEPTH (ft)	BLOWS (12")	UCS Qu (tsf)	MOIST (%)
MEDIUM GRAY SAND AND GRAVEL (continued)	22		
	50/0.5		
SPOON ON ROCK			
597.5 End of Boring			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
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)

ESCA CONSULTANTS, INC.		
DESIGNED BY:	MTD	11/09
DRAWN BY:	DWH	11/09
CHECKED BY:	MTD	11/09
APPROVED BY:	RDP	05/10

(Sheet 2 of 3)

SOIL BORING LOGS
STRUCTURE NO. 074-0085

SHEET NO. 24	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
25 SHEETS	535	08-00255-00-BR	PIATT	62	48
			CONTRACT NO. 91436		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		