Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 3

Date 7/23/01

ROUTE FAP 534(IL 94) DESCRIPTION IL 94 & IL 116 over Wolf Creek LOGGED BY KRW

SECTION 109B BR-3 LOCATION NW 1/4, SW 1/4, SEC. 7, TWP. 9N, RNG. 4W, 4th PM.

COUNTY HENDERSON DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 036-0033
Station 216+44

BORING NO. 1
Station 216+78
Offset 13.00FT RT CL
Ground Surface Elev. 615.75 ft

Surface Water Elev. 606.20 ft
Stream Bed Elev. ft

Groundwater Elevs
First Encounter 602.3 ft
Upon Completion ft
After 24 Hrs. 603.8 ft

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
NO SAMPLE 0-2.5'				
617.25				
Brown/Gray SILTY CLAY LOAM w/Gravel	2			
	4			19
	3			
-5				
	1			
	2		12	
	2			
612.25				
Brown SILTY CLAY	H			
	1	0.25	30	
	1	P		
609.75 -10				
Dk. Brown SILTY CLAY LOAM	1			
	2	1.0	21	
	1	P		
607.25				
Dk. Brown SILTY CLAY	H			
	1	0.65	32	
	2	P		
604.75 -15				
Dk. Gray SILTY CLAY w/sand	1			
	1	1.0	27	
	2	P		
602.25				
Gray SILTY CLAY	H			
	H	0.75	25	
	1	P		
599.75 -20				

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
Brownish Gray to Brown CLAY LOAM				
sand seam				
gravelly				
Gray w/some Brown CLAY LOAM TILL				
-30				
	3			
	4	3.0	20	
	6	P		
	3			
	3			
-35				
	3			
	5	2.75	15	
	9	P		
	3			
	6	3.5	14	
	9	P		
-40				

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 3

Date 7/23/01

ROUTE FAP 534(IL 94) DESCRIPTION IL 94 & IL 116 over Wolf Creek LOGGED BY KRW

SECTION 109B BR-3 LOCATION NW 1/4, SW 1/4, SEC. 7, TWP. 9N, RNG. 4W, 4th PM.

COUNTY HENDERSON DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 036-0033
Station 216+44

BORING NO. 1
Station 216+78
Offset 13.00FT RT CL
Ground Surface Elev. 615.75 ft

Surface Water Elev. 606.20 ft
Stream Bed Elev. ft

Groundwater Elevs
First Encounter 602.3 ft
Upon Completion ft
After 24 Hrs. 603.8 ft

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
Gray w/some Brown CLAY LOAM TILL (continued)				
	4			
	4	2.75	19	
	6	P		
	3			
	6	2.25	18	
	6	P		
-45				
	4			
	7	2.25	14	
	11	P		
572.25				
Gray CLAY w/ some sand & gravel	5			
	13		22	
	15			
568.75 -50				
Gray SHALEY CLAY	13			
	19	3.75	16	
	35	P		
567.25				
Gray CLAY LOAM TILL w/ gravels	5			
	9	4.5	12	
	11	P		
-55				
	3			
	6	2.0	18	
	8	P		
	3			
	5	2.5	18	
	9	P		
-60				

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
Gray CLAY LOAM TILL w/ gravels (continued)				
w/organics @ 62.5'-65'				
-65				
	5			
	7	2.5	26	
	P			
	7			
	9	2.06	21	
	11	B		
-70				
	5			
	5	2.06	19	
	7	B		
	3			
	4	2.06	19	
	8	B		
-75				
	13			
	9	2.25	17	
	11	P		
	5			
	7	1.24	21	
	9	B		
-80				

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 3 of 3

Date 7/23/01

ROUTE FAP 534(IL 94) DESCRIPTION IL 94 & IL 116 over Wolf Creek LOGGED BY KRW

SECTION 109B BR-3 LOCATION NW 1/4, SW 1/4, SEC. 7, TWP. 9N, RNG. 4W, 4th PM.

COUNTY HENDERSON DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 036-0033
Station 216+44

BORING NO. 1
Station 216+78
Offset 13.00FT RT CL
Ground Surface Elev. 615.75 ft

Surface Water Elev. 606.20 ft
Stream Bed Elev. ft

Groundwater Elevs
First Encounter 602.3 ft
Upon Completion ft
After 24 Hrs. 603.8 ft

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
Gray CLAY LOAM TILL w/ gravels (continued)				
	4			
	5	5.71	19	
	10	B		
-85				
	5			
	9	3.36	17	
	16	B		
535.75				
End of Boring				
-100				

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 7/23/01

ROUTE FAP 534(IL 94) DESCRIPTION IL 94 & IL 116 over Wolf Creek LOGGED BY DPS

SECTION 109B BR-3 LOCATION NW 1/4, SW 1/4, SEC. 7, TWP. 9N, RNG. 4W, 4th PM.

COUNTY HENDERSON DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 036-0033
Station 216+44

BORING NO. 2
Station 216+45
Offset 12.00FT LT CL
Ground Surface Elev. 620.51 ft

Surface Water Elev. 606.20 ft
Stream Bed Elev. ft

Groundwater Elevs
First Encounter 607.0 ft
Upon Completion 598.5 ft
After 24 Hrs. 605.5 ft

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
NO SAMPLE 0-1.5'				
619.01				
Brown SILTY CLAY LOAM	2			
	2	0.41	28	
	2	B		
616.51				
Brown SILTY CLAY	1			
-5	1			
	1	0.70	24	
	1	B		
	H			
	2	0.74	23	
	3	B		
611.41				
Dk. Gray to Gray SILTY CLAY	H			
-10	1			
	2	0.46	42	
	5	S		
	1			
	1	0.82	28	
	2	B		
	1			
-15	1			
	1	0.62	36	
	1	B		
604.01				
Brown/Gray CLAY LOAM TILL	1			
	2	1.53	18	
	2	S		
	3			
-20	3	2.89	16	

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
Brown/Gray CLAY LOAM TILL (continued)				
599.01				
Gray CLAY LOAM TILL	2			
	3	2.89	14	
	6	B		
-25				
	3			
	3	2.06	15	
	6	B		
	3			
	3	2.27	15	
	7	B		
-30				
	3			
	3	1.98	16	
	6	B		
	3			
	3	2.27	16	
	6	B		
-35				
	3			
	5	2.35	15	
	7	B		
	2			
	4	2.47	15	
	5	B		
	2			
-40	4	1.65	15	

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 7/23/01

ROUTE FAP 534(IL 94) DESCRIPTION IL 94 & IL 116 over Wolf Creek LOGGED BY DPS

SECTION 109B BR-3 LOCATION NW 1/4, SW 1/4, SEC. 7, TWP. 9N, RNG. 4W, 4th PM.

COUNTY HENDERSON DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 036-0033
Station 216+44

BORING NO. 2
Station 216+45
Offset 12.00FT LT CL
Ground Surface Elev. 620.51 ft

Surface Water Elev. 606.20 ft
Stream Bed Elev. ft

Groundwater Elevs
First Encounter 607.0 ft
Upon Completion 598.5 ft
After 24 Hrs. 605.5 ft

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
Gray CLAY LOAM TILL (continued)				
	6	8		
	2			
	3	2.26	15	
	6	B		
-45				
	3			
	6	2.72	19	
	9	B		
	4			
	6	4.95	18	
	10	B		
-50				
	2			
	5	1.85	14	
	7	B		
	3			
	6	4.74	16	
	9	B		
-55				
	3			
	5	4.33	17	
	9	B		
	2			
	5	2.89	22	
	9	S		
	2			
-60	5	2.38	19	

DEPTH	BLOWS		UCS Qu (tsf)	MOIST CO
Gray CLAY LOAM TILL (continued)				
	7	B		
	3			
	7	3.09	18	
	11	B		
-65				
	3			
	6	3.71	24	
	9	S		
	3			
	6	3.53	23	
	9	S		
-70				
	3			
	5	2.06	23	
	9	B		
	3			
	9	3.30	18	
	12	B		
-75				
	3			
	7	3.09	18	
	11	B		
	4			
	10	3.09	18	
	14	B		
542.01				
End of Boring				
-80				

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, form 137 (Rev. 8-99)

HDR Engineering, Inc.

FILE NAME = D468083-sht-plan.dgn	USER NAME = johnsontv	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/26/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
IL 94 OVER WOLF CREEK S.N. 036-0055

SCALE: | SHEET NO. 15 OF 15 SHEETS | STA. 216+45

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
534	109B (BR3)	HENDERSON	88	40
		CONTRACT NO. 68083		
	ILLINOIS FED. AID PROJECT			