



Illinois Department
of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 1/21/10

ROUTE FAP 317 (US 24) DESCRIPTION US 24 Between Summum and Astoria - WB Lane LOGGED BY KS

SECTION 16W-2, RS-4; 17W-1, RS-3 LOCATION Woodland Road District, SEC. 9, TWP. 3N, RNG. 2E, 4th PM, Latitude N40° 15' 4.06", Longitude W90° 17' 39.01"

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	-	D	B	U	M	Surface Water Elev.	NONE	ft	D	B	U	M
Station	-	E	L	C	O	Stream Bed Elev.	NA	ft	E	L	C	O
		P	O	S	I				P	O	S	I
BORING NO.	B-1	T	W	S	Qu	Groundwater Elev.:			T	W	S	Qu
Station	715+10	H	S	Qu	T	First Encounter	NONE	ft	H	S	Qu	T
Offset	13.00ft RT					Upon Completion	NONE	ft				
Ground Surface Elev.	617.20	ft	(ft)	(/6")	(tsf)	After NONE Hrs.	NONE	ft	(ft)	(/6")	(tsf)	(%)

14 Inches Aggregate Shoulder	615.90	0				Stiff Gray, Moist SILTY LOAM, trace gravel	25					
Soft to Very Stiff Brown, Moist LOAM, little gravel		1	0.4	26		595.20	50	14				
		1	B			End of Boring	100/2"					
		1										
		1	1.8	24								
		-5	1	B								
		5										
Very Stiff to Stiff Brown to Gray, Moist SILTY CLAY LOAM, little gravel	610.20	6	2.3	22								
		7	B									
		6										
		6	2.0	21								
		-10	7	B								
		3										
		6	3.9	24								
		6	B									
		3										
		4	1.5	28								
		-15	3	B								
		3										
Stiff Brown to Olive, Moist SILTY CLAY LL: 51, PL: 22	600.20	2	2.0	24								
		4	B									
		2										
	598.20	3	1.0	24								
		4	B									
		-20										

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)



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ROUTE FAP 317 (US 24) DESCRIPTION US 24 Between Summum and Astoria - EB Lane LOGGED BY KS

SECTION 16W-2, RS-4; 17W-1, RS-3 LOCATION Woodland Road District, SEC. 9, TWP. 3N, RNG. 2E, 4th PM, Latitude N40° 15' 4.17", Longitude W90° 17' 37.96"

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	-	D	B	U	M	Surface Water Elev.	NONE	ft	D	B	U	M
Station	-	E	L	C	O	Stream Bed Elev.	NA	ft	E	L	C	O
		P	O	S	I				P	O	S	I
BORING NO.	B-2	T	W	S	Qu	Groundwater Elev.:			T	W	S	Qu
Station	714+92	H	S	Qu	T	First Encounter	NONE	ft	H	S	Qu	T
Offset	14.00ft LT					Upon Completion	NONE	ft				
Ground Surface Elev.	617.10	ft	(ft)	(/6")	(tsf)	After NONE Hrs.	NONE	ft	(ft)	(/6")	(tsf)	(%)

12 Inches Aggregate Shoulder	616.10					Soft Gray, Moist SILTY LOAM, little gravel, trace organics LL: 31, PL: 20 A-6 (6)	35					
Very Stiff to Stiff Brown, Moist LOAM, trace gravel		2				595.60	100/3"	7				
		3	2.1	25								
		4	B									
		2										
		3	1.8	23								
		-5	3	B								
		3										
Stiff to Very Stiff Brown to Gray, Moist SILTY CLAY LOAM, trace gravel LL: 45, PL: 23 A-7-6 (24)	610.10	3	1.8	22								
		5	B									
		2										
		3	1.2	24								
		-10	3	B								
		3										
		3	2.4	29								
		3	B									
		3										
		5	2.0	21								
		-15	6	B								
Stiff Brown to Olive, Moist SILTY CLAY	602.10											
		3										
		4	1.5	26								
		5	B									
	599.10											
		2										
		3	0.4	25								
		-20	2	B								

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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SOIL BORING LOGS

FILE NAME = d488783-sh-biog.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS			F.A.P. RTE. 317	SECTION 16W-2, RS-4;17W-1,RS-3	COUNTY FULTON	TOTAL SHEETS 240	SHEET NO. 111
		DRAWN - HZS - IDOT	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 1080+00 TO STA. 1094+20	CONTRACT NO. 88703				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									