



SOIL BORING LOG

ROUTE FAI 70 (I 70) DESCRIPTION Overhead Sign Truss I-70 WB LOGGED BY E. Sandschafer

SECTION D7 ITS 2014 LOCATION NE, SEC. 5, TWP. 11 N, RNG. 10 W, 3 PM

COUNTY Clark DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S012I070L155.0	D E P T H	B L O W S	U C S Qu	M O I S T (%)	Surface Water Elev. N/A ft	D E P T H	B L O W S	U C S Qu	M O I S T (%)
Station 515+62					Stream Bed Elev. N/A ft				
BORING NO. 1 (Median)					Groundwater Elev.:				
Station 515+62					First Encounter 529.8 ft				
Offset 7.0ft Lt					Upon Completion 529.4 ft				
Ground Surface Elev. 540.48 ft					After 264 Hrs. 533.4 ft				

4" topsoil.	540.18				50/5"	7.60	7		
Very stiff, damp, brown, CLAY.					50/4"	S			
Extent of exploration. 519.68									
8									
7		2.75	20						
6		PP							
Benchmark: Chiseled square on existing North headwall of box culvert, West corner, Sta 517+00 = 542.21' elevation.									
I-70 WB Mile Marker 155.0									
535.98									
Medium, damp, gray, SILTY CLAY LOAM w/ wood and organics.									
3		0.74	21						
3		B							
No recovery this trip.									
2									
3									
3									
530.98									
Very stiff, damp, gray, CLAY LOAM.									
10									
10		3.71	9						
12		S							
Brown, gravelly, SANDY LOAM.									
6									
12		+4.5	13						
12		PP							
Hard, very moist, brown, CLAY LOAM TILL.									
12									
12									
527.78									
-15 50/5"									
50/2" +4.5 6									
50/2" PP									
35									
50/5" 12.12 6									
50/4" B									
-20 42									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating 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)

File Name S:\NEW GEOTECHNICAL\GINTDATA\PROJECTS\CLARK CO (012)\012-0000 SOIL 2013 OH SIGN TRUSS.GPJ Data Template D6TEMP1.GDT Date Printed 11/18/13



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Station 515+48					Stream Bed Elev. N/A ft				
BORING NO. 2 (N Shldr)					Groundwater Elev.:				
Station 515+48					First Encounter Dry ft				
Offset 92.0ft Lt					Upon Completion Dry ft				
Ground Surface Elev. 538.56 ft					After 264 Hrs. 538.1 ft				

3" topsoil.	538.26								
Very dense, very moist, brown, CLAY LOAM TILL.									
Hard, very moist, gray, CLAY LOAM TILL. (continued) 517.66									
Extent of exploration.									
16									
30									
46									
Very sandy, brown, SANDY LOAM w/ gravel.									
45									
34		11.52	6						
25		B							
Benchmark: Chiseled square on existing North headwall of box culvert, West corner, Sta 517+00 = 542.21' elevation.									
I-70 WB Mile Marker 155.0									
17									
22		10.69	9						
26		S							
No recovery this trip.									
18									
20		9.38	8						
34		S							
Brown, gravelly, SANDY LOAM.									
9									
21		7.66	9						
34		S							
Hard, very moist, brown, CLAY LOAM TILL.									
28									
40		8.75	7						
50/5"		S							
28									
45 11.06 7									
50/5" S									
-20 24									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating 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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