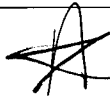


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KANSAS DEPARTMENT OF TRANSPORTATION

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RTE./CO.	K-148 / Washington	SOUNDING NO.	CH 1	SHEET	1 of 4
BRIDGE STA.	578+25: 4	PROJ. NO.	KA-3956-01	BRIDGE NO.	10.95 (057)
SITE NAME	K-148 over Peats Creek			HOLE STA.	578+90, 39.4' Lt CL
GEOLOGIST	N. Croxton, P.G.	SCALE	1 inch = 5.0 feet	DATE	June 28, 2016
DRILLER	R. Hinderliter	RIG TYPE	CME 75	TOP HOLE ELEV.	1383.7
GW ELEV.	N/A	TOTAL DEPTH	83.0	M/B ELEV.	1335.7
GPS COORDINATES	39.711616, -97.162818				

BOREHOLE REPORT - KANSAS DOT 01-09-17.GDT - 10/15/19 08:59 - Q:\GEOLOGY\GINT\148-101 KA-3956-01 PEATS CK WASHINGTON CO.GPJ

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT Hammer Cor. Factor:	N60	ELEVATION
	Alluvium		1.4	1383.7	SANDY CLAY, dark brownish- gray					
			5.7	1382.3	CLAYEY SAND, dark reddish- brown, limonite pieces					
			6.0	1378.0	SAND, brown, fine grained, quartz and limonite					
			6.0	1377.7	CLAYEY SAND, dark red, wet					
			9.0	1375.0	SILTY CLAY, grayish- brown and brown					
				1374.7		0.8	100000			1372.8
				1370						
				1365						
				1360						
				1355						
								WOH WOH	2 3	1358.1

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	K-148 / Washington	SOUNDING NO.	CH 1
BRIDGE STA.	578+25: 6	PROJ. NO.	KA-3956-01
SITE NAME	K-148 over Peats Creek		HOLE STA.
			578+90, 39.4' Lt CL

BOREHOLE REPORT - KANSAS DOT 01-09-17.GDT - 10/15/19 08:59 - Q:\GEOLOGY\GINT\148-101 KA-3956-01 PEATS CK WASHINGTON CO.GPJ

Bit Type	GEOLOGIC NAME	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT Hammer Cor. Factor: N60	ELEVATION	
8" Hollow Augers	Alluvium	30.0	1353.7	SANDY CLAY, brown and blueish- gray, sandy clay lenses					
			1350						
			1345						
			1340						
			1335						
			1330						
			1325						
			1320						
			1315						
			1310						
NQ2 Diamond	Dakota Fm	43.8	1339.9	SILTY SAND, gray, firm					
			1335						
			1330						
			1325						
			1320						
			1315						
			1310						
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KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	K-148 / Washington	SOUNDING NO.	CH 1	SHEET 3 of 4
BRIDGE STA.	578+25: 4	PROJ. NO.	KA-3956-01	BRIDGE NO. 10.95 (057)
SITE NAME	K-148 over Peats Creek			HOLE STA. 578+90, 39.4' Lt CL

Bit Type	GEOLOGIC NAME	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT Hammer Cor. Factor: N60	ELEVATION	
NQ2 Diamond	Dakota Fm	4		1315.7	SANDSTONE, light grayish- brown, nearly all wash				
			68.0	1315	1315.7	SANDSTONE, tan, mostly all wash			
			68.6		1315.1	CLAY SHALE, thin-bedded, tan			
			69.3		1314.4	SANDSTONE, wash			
		5							
			73.0	1310	1310.7	SANDSTONE, light gray, almost all wash			
		6							
	78.0	1305	1305.7	SANDSTONE, tan, some limonite					
7									
		83.0	1300.7	T.D. = 83.0					

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KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO. K-148 / Washington	SOUNDING NO. CH 1	SHEET 4 of 4
BRIDGE STA. 578+25: ②	PROJ. NO. KA-3956-01	BRIDGE NO. 10.95 (057)
SITE NAME K-148 over Peats Creek		HOLE STA. 578+90, 39.4' Lt CL

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT Hammer Cor. Factor:	N60	ELEVATION																																																															
					<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th>Core</th> <th>Depth</th> <th>Elev.</th> <th>Cut</th> <th>Rec</th> <th>Rec %</th> <th>RQD</th> </tr> </thead> <tbody> <tr><td>1</td><td>50.4</td><td>1333.3</td><td>2.6</td><td>2.3</td><td>88</td><td>88%</td></tr> <tr><td>2</td><td>53.0</td><td>1330.7</td><td>5.0</td><td>4.7</td><td>94</td><td>90%</td></tr> <tr><td>3</td><td>58.0</td><td>1325.7</td><td>5.0</td><td>2.8</td><td>56</td><td>54%</td></tr> <tr><td>4</td><td>63.0</td><td>1320.7</td><td>5.0</td><td>1.7</td><td>34</td><td>30%</td></tr> <tr><td>5</td><td>68.0</td><td>1315.7</td><td>5.0</td><td>0.9</td><td>18</td><td>12%</td></tr> <tr><td>6</td><td>73.0</td><td>1310.7</td><td>5.0</td><td>0.1</td><td>2</td><td>0%</td></tr> <tr><td>7</td><td>78.0</td><td>1305.7</td><td>5.0</td><td>0.7</td><td>14</td><td>0%</td></tr> <tr><td>Total</td><td>83.0</td><td>1300.7</td><td>32.6</td><td>13.2</td><td>40</td><td>36%</td></tr> </tbody> </table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	50.4	1333.3	2.6	2.3	88	88%	2	53.0	1330.7	5.0	4.7	94	90%	3	58.0	1325.7	5.0	2.8	56	54%	4	63.0	1320.7	5.0	1.7	34	30%	5	68.0	1315.7	5.0	0.9	18	12%	6	73.0	1310.7	5.0	0.1	2	0%	7	78.0	1305.7	5.0	0.7	14	0%	Total	83.0	1300.7	32.6	13.2	40	36%					
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