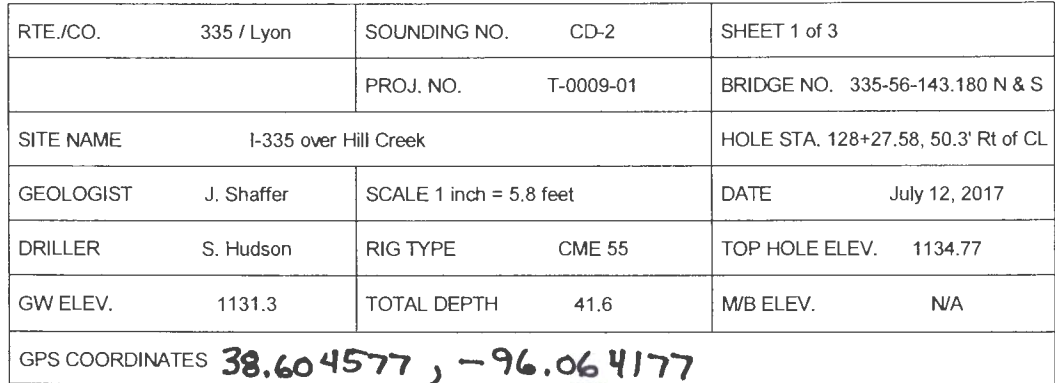
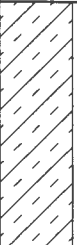


BOREHOLE REPORT - KANSAS DOT.GDT - 12/28/17 14:12 - C:\USERS\JULIE_SHAFFER\DOCUMENTS\JULIE_SHAFFER\PROJECTS\BRIDGE OVER HILL CREEK-ADMIR\T000901 1335 OVER HILL CREEK.GPJ



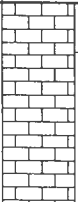
Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION		
	Soil Mantle			1134.8	dark brown						
				1130		1.8	118000		1129.77		
			8.0	1126.8	gray, hard, broken, weathered, fossiliferous						
	Wamego Sh		1	9.1 9.2	1125	1125.7 1125.6	coal, thin, dull to semi-vitreous gray, clay rich, wet	2.0	73100		1124.77
			2		1120		2.9	178000		1120.77	
			16.8	1118.0	medium gray, silty, sandstone lenses	36.0	6830000		1116.97		
			19.0	1115.8	gray, clay rich	2.7	165000		1114.17		
			4		1110		40.0	7810000		1108.57	
			26.6	1108.2	gray, calcareous, sandy						
			1105	1104.8	gray, fossiliferous, shaley	35.0	4800000		1104.87		
			30.0	1103.9	gray, calcareous						
			30.9	1103.2	gray/off-white, sand and shale interbedding, fossiliferous	77.0	2.26E+07		1102.27		
			31.6								
			6		1100						



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	335 / Lyon	SOUNDING NO.	CD-2	SHEET 2 of 3
		PROJ. NO.	T-0009-01	BRIDGE NO. 335-56-143.180 N & S
SITE NAME	I-335 over Hill Creek			HOLE STA. 128+27.58, 50.3' Rt of CL

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Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
	Wamego Sh		6 7	1095	gray/off-white, sand and shale interbedding, fossiliferous	316.0	1.41E+08		1098.57
			41.6	1093.17	T.D. = 41.6	47.0 139.0	1.28E+07 5.47E+07		1094.67 1094.27



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	335 / Lyon	SOUNDING NO.	CD-2	SHEET 3 of 3
		PROJ. NO.	T-0009-01	BRIDGE NO. 335-56-143.180 N & S
SITE NAME	I-335 over Hill Creek			HOLE STA. 128+27.58, 50.3' Rt of CL

BOREHOLE REPORT - KANSAS DOT.GDT - 12/28/17 14:12 - C:\USERS\JULIE.SHAFFER\DOCUMENTS\ULIE.SHAFFER\PROJECTS\BRIDGE OVER HILL CREEK\ADMIN\REIT000901 I335 OVER HILL CREEK.GPJ

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION																																																														
					<table><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>8.2</td><td>1126.57</td><td>3.6</td><td>3.6</td><td>100</td><td>47%</td></tr><tr><td>2</td><td>11.8</td><td>1122.97</td><td>5.0</td><td>5.2</td><td>104</td><td>78%</td></tr><tr><td>3</td><td>16.8</td><td>1117.97</td><td>5.0</td><td>4.9</td><td>98</td><td>76%</td></tr><tr><td>4</td><td>21.8</td><td>1112.97</td><td>4.8</td><td>5.3</td><td>110</td><td>85%</td></tr><tr><td>5</td><td>26.6</td><td>1108.17</td><td>5.0</td><td>5.3</td><td>106</td><td>96%</td></tr><tr><td>6</td><td>31.6</td><td>1103.17</td><td>5.0</td><td>4.9</td><td>98</td><td>90%</td></tr><tr><td>7</td><td>36.6</td><td>1098.17</td><td>5.0</td><td>4.9</td><td>98</td><td>98%</td></tr><tr><td>Total</td><td>41.6</td><td>1093.17</td><td>33.4</td><td>34.1</td><td>102</td><td>83%</td></tr></tbody></table> Box 1 → 8.2' - 19.3' Box 2 → 19.3' - 29.9' Box 3 → 29.9' - 40.5' Box 4 → 40.5' - 41.6'	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	8.2	1126.57	3.6	3.6	100	47%	2	11.8	1122.97	5.0	5.2	104	78%	3	16.8	1117.97	5.0	4.9	98	76%	4	21.8	1112.97	4.8	5.3	110	85%	5	26.6	1108.17	5.0	5.3	106	96%	6	31.6	1103.17	5.0	4.9	98	90%	7	36.6	1098.17	5.0	4.9	98	98%	Total	41.6	1093.17	33.4	34.1	102	83%			
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