

KID:1055995985

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-75 / Brown	SOUNDING NO.	CH 01	SHEET 1 of 2
		PROJ. NO.	75-7 KA-4798-03	BRIDGE NO. 75-7-5.84 (055)
SITE NAME	Brown County Passing Lanes			HOLE STA. 551+27, 42.0' Lt CL
GEOLOGIST	A. Noll, G.S.	SCALE	1 inch = 10.0 feet	DATE November 4, 2019
DRILLER	R. Vervynck	RIG TYPE	CME 55-Topeka	TOP HOLE ELEV. 1086.2
GW ELEV.	1079.8	TOTAL DEPTH	52.4	M/B ELEV. 1062.1
GPS COORDINATES				

BOREHOLE REPORT - KANSAS DOT 01-09-17.GDT - 1/10/20 11.03 - X:\GEOLOGY\BARKERBRIDGE AND SURFACE PROJECTS\75-7 KA-4798-03\BR. REPORT\BROWN COUNTY PASSING LANES (4798-03).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
8" Hollow Augers	Soil Mantle		5.0	1081.2	Silty Clay, brown to gray, wet				
			24.1	1062.1	Weathered Limestone, tan to gray,	104.0	5.14E+07		1061.2
			24.4	1061.8	Limestone, gray, fossiliferous				
			25.4	1060.8	Limy Shale, dark gray	139.0	4.91E+07		1058.95
			26.4	1059.9	Limestone, gray, with 1/10' shale break in middle	108.0	3.03E+07		1057.7
			27.3	1059.0	Limy Shale, green to gray, dense				
			32.4	1053.8	Shale, green, dense	50.0	1.37E+07		1054.2
			40.9	1045.3	Limy Shale, gray, clayey	69.0	1.09E+07		1045.2
			41.6	1044.7	Shale, green to gray, dense	58.0	1.91E+07		1042.95
			43.6	1042.6	Limy Shale, green, clayey				
			47.4	1038.8	Shale, tan to dark gray, clayey				
			52.4	1033.8	T.D. = 52.4				

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					<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <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>24.1</td><td>1062.1</td><td>3.3</td><td>3.3</td><td>100</td><td>67%</td></tr> <tr><td>2</td><td>27.4</td><td>1058.8</td><td>5.0</td><td>5.0</td><td>100</td><td>82%</td></tr> <tr><td>3</td><td>32.4</td><td>1053.8</td><td>5.0</td><td>5.0</td><td>100</td><td>100%</td></tr> <tr><td>4</td><td>37.4</td><td>1048.8</td><td>5.0</td><td>5.0</td><td>100</td><td>73%</td></tr> <tr><td>5</td><td>42.4</td><td>1043.8</td><td>5.0</td><td>5.0</td><td>100</td><td>91%</td></tr> <tr><td>6</td><td>47.4</td><td>1038.8</td><td>5.0</td><td>5.0</td><td>100</td><td>84%</td></tr> <tr><td>Total</td><td>52.4</td><td>1033.8</td><td>28.3</td><td>28.3</td><td>100</td><td>84%</td></tr> </tbody> </table> <p style="font-size: 1.2em; margin: 0;">Box 1: 24.1' - 35.8'</p> <p style="font-size: 1.2em; margin: 0;">Box 2: 35.8' - 47.1'</p> <p style="font-size: 1.2em; margin: 0;">Box 3: 47.1' - 52.4'</p>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	24.1	1062.1	3.3	3.3	100	67%	2	27.4	1058.8	5.0	5.0	100	82%	3	32.4	1053.8	5.0	5.0	100	100%	4	37.4	1048.8	5.0	5.0	100	73%	5	42.4	1043.8	5.0	5.0	100	91%	6	47.4	1038.8	5.0	5.0	100	84%	Total	52.4	1033.8	28.3	28.3	100	84%				
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75-7 KA-4798-03
Brown County
Br. No. 75-7-5.84 (055)
3.2 miles North of K-20 on US-75

