

56-23 KA-0032-01

US-56 over East Fork Tany Creek

Bridge No. 56-23-16.63(190)

Douglas County

CD 01

N:38.782355 E:-95.192312 (Approx.)

SE ¼, SW ¼, SE ¼, Section 33, T14S, R20E

KANSAS DEPARTMENT OF TRANSPORTATION

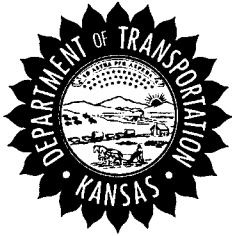


RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 1 of 3
BRIDGE STA.	123+74.62	PROJ. NO.	KA-0032-01	BRIDGE NO. 56-23-16.63(190)
SITE NAME	US-56 over Taury Creek			HOLE STA. 124+31, 67.0' Lt CL
GEOLOGIST	R. Crow, P.G.	SCALE	1 inch = 5.0 feet	DATE March 24, 2011
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV. 1023.43
GW ELEV.	N/A	TOTAL DEPTH	55.5	M/B ELEV. 996.43

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
		Mantle		1023.4	Silty clay, brown, moist				
			8.0	1015.4	Silty clay with gravel				
			9.0	1014.4	Silty clay, brown, moist				
			25.0	998.4	Clay, firm				
			27.0	996.4	Sandstone, shaly, gray, micaceous, occasionally carboniferous uppermost 2.4 feet weathered				

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8" Hollow Augers



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01
BRIDGE STA.	123+74.62	PROJ. NO.	KA-0032-01
SITE NAME		US-56 over Taury Creek	
SHEET 2 of 3		BRIDGE NO.	56-23-16.63(190)
HOLE STA.		124+31, 67.0' Lt CL	

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION	
	Lawrence Formation		1		990	Sandstone, shaly, gray, micaceous, occasionally carboniferous uppermost 2.4 feet weathered				
			2	36.9	986.5	Shale, dark gray, very firm	56	1.01E+07		987.73
			3	39.2	984.2	Limestone, fragmental				
			4	40.9	982.5	Shale with limestone fragments				
			4	41.5	981.9	Limestone, shell fragments, sandy texture				
			4	41.9	981.5	Sandstone, very shaly, limy	133	4.82E+07		979.83
			5	45.2	978.2	Shale, very dark gray to black				
			5	46.1	977.3	Shale, gray				
			5	46.8	976.6	Shale, dark greenish gray, limy				
			5	48.5	974.9	Limestone, nodular, shaly	93	4.34E+07		973.23
			6	50.8	972.6	Shale, green, limy				
			6	51.5	971.9	Shale, greenish-gray	8.55	1270000		969.23
				55.3	968.1	core lost				
				55.5	967.93	T.D. = 55.5				

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RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 3 of 3	
BRIDGE STA.	123+74.62	PROJ. NO.	KA-0032-01	BRIDGE NO.	56-23-16.63(190)
SITE NAME	US-56 over Tauy Creek			HOLE STA.	124+31, 67.0' Lt CL

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 border="1" style="width: 100%; border-collapse: collapse; margin: auto;"> <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>29.4</td> <td>994.03</td> <td>2.6</td> <td>3.1</td> <td>119</td> <td>0%</td> </tr> <tr> <td>2</td> <td>32.0</td> <td>991.43</td> <td>4.9</td> <td>4.9</td> <td>100</td> <td>8%</td> </tr> <tr> <td>3</td> <td>36.9</td> <td>986.53</td> <td>5.0</td> <td>5.0</td> <td>100</td> <td>72%</td> </tr> <tr> <td>4</td> <td>41.9</td> <td>981.53</td> <td>4.9</td> <td>4.7</td> <td>96</td> <td>92%</td> </tr> <tr> <td>5</td> <td>46.8</td> <td>976.63</td> <td>4.7</td> <td>5.1</td> <td>109</td> <td>43%</td> </tr> <tr> <td>6</td> <td>51.5</td> <td>971.93</td> <td>4.0</td> <td>3.8</td> <td>95</td> <td>68%</td> </tr> <tr> <td>Total</td> <td>55.5</td> <td>967.93</td> <td>26.1</td> <td>26.6</td> <td>102</td> <td>51%</td> </tr> </tbody> </table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	29.4	994.03	2.6	3.1	119	0%	2	32.0	991.43	4.9	4.9	100	8%	3	36.9	986.53	5.0	5.0	100	72%	4	41.9	981.53	4.9	4.7	96	92%	5	46.8	976.63	4.7	5.1	109	43%	6	51.5	971.93	4.0	3.8	95	68%	Total	55.5	967.93	26.1	26.6	102	51%				
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