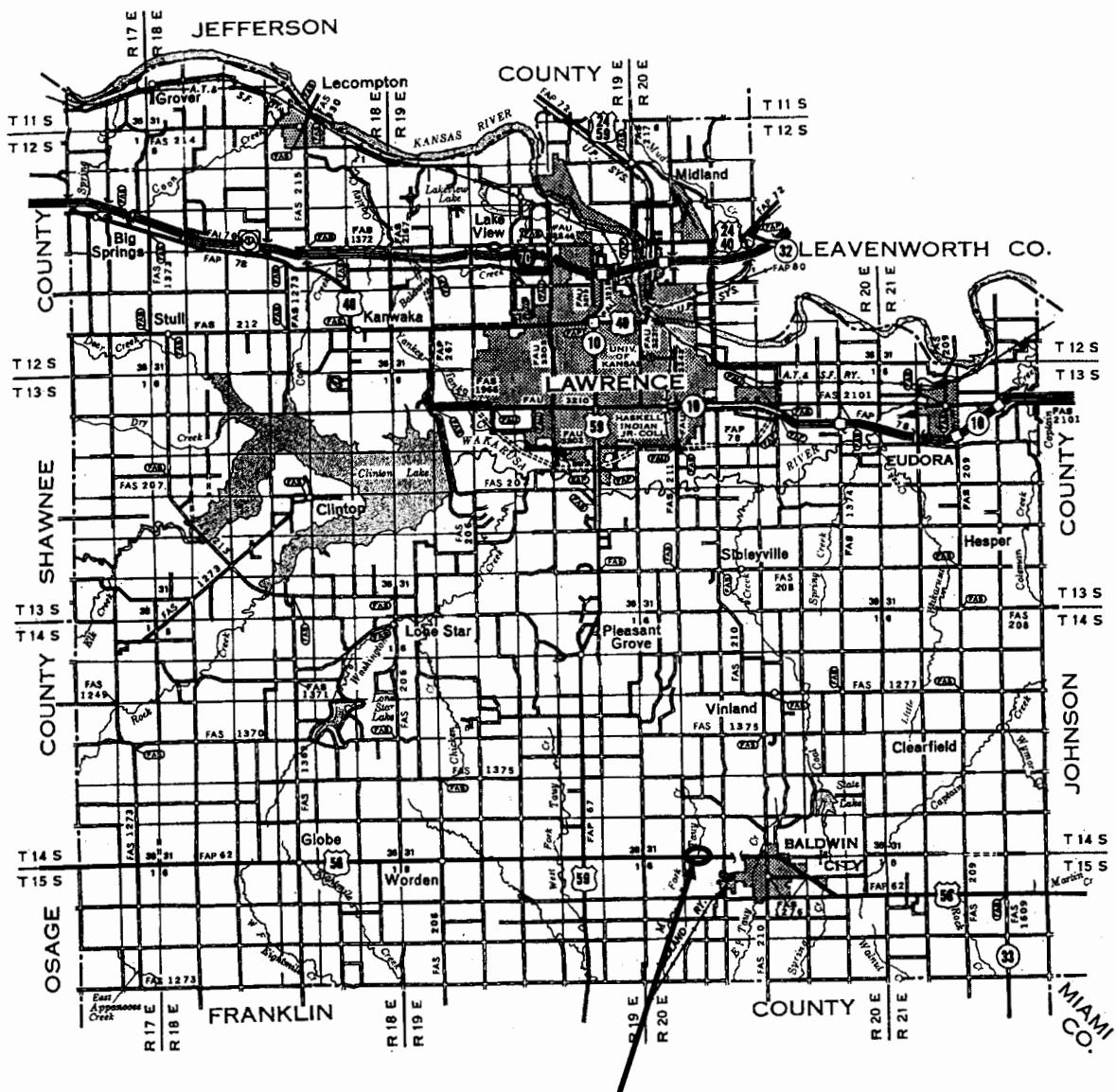




56-23 KA-0033-01

US-56 over Middle Fork Tauy Creek

Bridge No. 56-23-15.18(189)

Douglas County

CD 01

N:38.782353 E:-95219378 (Approx.)

SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 32, T14S, R20E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 1 of 3
BRIDGE STA.	163+73.35	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO. 56-23-15.18(189)
SITE NAME	US-56 over Middle Fork Taui Creek			HOLE STA. 163+00, 52.0' Rt CL
GEOLOGIST	R. Crow	SCALE	1 inch = 5.0 feet	DATE October 6, 2010
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV. 1005.96
GW ELEV.	1000.8	TOTAL DEPTH	47.7	M/B ELEV. 993.46

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
8" Hollow Augers	Mantle			1005	1006.0	Silt/silty clay, brown, moist			
				1000		0.4755	14200		1000.16
Diamond	Lawrence Formation		8.8	997.2	Silty clay, brown, wet, with gravel	0.122	2510		995.16
			12.5	993.5	Shale, tannish-gray, weathered	6.45	975000		988.66
			17.7	988.3	Shale, gray, sandy	8.8	1100000		984.66
				985		8.65	1850000		980.16
			27.7	978.3	Sandstone, cross-bedded, shaly, gray	37.1	6310000		977.16
			4						

BOREHOLE REPORT - KANSAS DOT.GDT - 1/10/11 09:33 - C:\DOCUMENTS AND SETTINGS\ROCKY\MY DOCUMENTS\CROW\BRIDGE\56-23 KA-0033-01\MFTAUI189.GPJ



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 2 of 3
BRIDGE STA.	163+73.35	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO. 56-23-15.18(189)
SITE NAME	US-56 over Middle Fork Taury Creek			HOLE STA. 163+00, 52.0' Rt 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
Diamond	Lawrence Formation		4	975	Sandstone, cross-bedded, shaly, gray				
			32.7	973.3	Shale, sandy, cross-bedded, micaceous, plant fragments, shear planes				
			5	970		14.1	1880000		970.16
			6	965		6.1	1840000		965.46
			7	960		40.85	9250000		961.36
			47.7	958.26	T.D. = 47.7				



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 3 of 3
BRIDGE STA.	163+73.35	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO. 56-23-15.18(189)
SITE NAME	US-56 over Middle Fork Taury Creek			HOLE STA. 163+00, 52.0' Rt CL

BOREHOLE REPORT - KANSAS DOT.GDT - 1/10/11 09:33 - C:\DOCUMENTS AND SETTINGS\ROCKY\MY DOCUMENTS\CROWBRIDGE\56-23 KA-0033-01\MFTAUY189.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>12.7</td><td>993.26</td><td>5.0</td><td>5.0</td><td>100</td><td>82%</td></tr><tr><td>2</td><td>17.7</td><td>988.26</td><td>5.0</td><td>5.0</td><td>100</td><td>88%</td></tr><tr><td>3</td><td>22.7</td><td>983.26</td><td>5.0</td><td>5.0</td><td>100</td><td>86%</td></tr><tr><td>4</td><td>27.7</td><td>978.26</td><td>5.0</td><td>5.0</td><td>100</td><td>88%</td></tr><tr><td>5</td><td>32.7</td><td>973.26</td><td>5.0</td><td>5.0</td><td>100</td><td>22%</td></tr><tr><td>6</td><td>37.7</td><td>968.26</td><td>5.0</td><td>5.0</td><td>100</td><td>92%</td></tr><tr><td>7</td><td>42.7</td><td>963.26</td><td>5.0</td><td>5.0</td><td>100</td><td>82%</td></tr><tr><td>Total</td><td>47.7</td><td>958.26</td><td>35.0</td><td>35.0</td><td>100</td><td>77%</td></tr></tbody></table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	12.7	993.26	5.0	5.0	100	82%	2	17.7	988.26	5.0	5.0	100	88%	3	22.7	983.26	5.0	5.0	100	86%	4	27.7	978.26	5.0	5.0	100	88%	5	32.7	973.26	5.0	5.0	100	22%	6	37.7	968.26	5.0	5.0	100	92%	7	42.7	963.26	5.0	5.0	100	82%	Total	47.7	958.26	35.0	35.0	100	77%				
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