



70-105 KA-1003-07 ~~178~~th over I-70
Riverview
 Br. No. 70-105-03.12(330)

Wyandotte County

CD1

N:39.101332 E:-94.864674 (Approx.)

NE ¼, NE ¼, NW ¼, S16, T11S, R23E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	70-Wyandotte	SOUNDING NO.	CH-1	SHEET 1 of 2	
BRIDGE STA.	14442+64: 72.3' Rt	PROJ. NO.	KA-1003-01	BRIDGE NO.	
SITE NAME	K-7 and I-70 Interchange, Riverview Ave.			HOLE STA.	47+35.2, 16.5' Lt CL
GEOLOGIST	K. Halverson, G.A.	SCALE	1 inch = 10.0 feet	DATE	June 21, 2010
DRILLER	C. Hutchins	RIG TYPE	CME 75	TOP HOLE ELEV.	1021.32
GW ELEV.	N/A	TOTAL DEPTH	63.4	M/B ELEV.	1004.82

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	Soil Mantle		0.5	1020	1021.3 1020.8	Base Coarse, sandy gravel, black, slightly moist, dense Silty Clay, dark brown, slightly moist, medium stiff to stiff	1.325	119000		1015.92	
			6.0	1015	1015.3	Silty Clay, brown, slightly moist, medium stiff to stiff					
			10.0	1010	1011.3	Sandy Clay, with some Caliche, orangish brown, slightly moist, stiff	1.915	254000		1010.52	
			16.5 17.0	1005	1004.8 1004.3	Sandstone, weathered, orangish brown, medium hard Sandstone, orangish to reddish brown, hard	1.51	167000		1005.52	
	NQ2 Diamond	Tonganoxie Sandstone Mbr		1	1000	1000.3	Sandstone, fine grained, brown, well cemented, cross-bedded, non-weathered, very closely fractured, hard	45.35	1.72E+07		999.57
				2	995	995.1	Sandstone, fine grained, alternating reddish brown and brown, well cemented, cross-bedded, very closely fractured, non-weathered, hard	74	2.82E+07		995.72
				3	990	989.8	Sandstone, fine grained, well cemented, iron staining, reddish brown, cross-bedded, very closely fractured, non-weathered, hard	54	1.56E+07		988.82
				4	985			81	3.68E+07		985.62
				5	980						
				6	975						
7				970	971.9 971.3	Limestone, gray, non-weathered, very sandy, closely fractured, very hard, some verticle fractures	171.5 436	7.96E+07 1.64E+10		972.92 972.12	
8				965	968.4 967.5	Conglomerate, very poor calcite cementation, gray, porous, occasional coal seam, sandy, shale, Shale, gray, very closely fractured, hard to very hard, limy, sandy, non-weathered	92.5 304.5	5.39E+07 1.46E+10		970.72 969.42	
9				960	963.1	Limestone, fossiliferous, gray, closely to widely fractured, very hard	239.5	3.12E+07		963.52	

BOREHOLE REPORT - KANSAS DOT.GDT - 4/29/11 09:30 - C:\USERS\SKYLEH\DESKTOP\PROJECTS\KA-1003-01 K-7, I-70\K-7RIVERVERVIEW\LOGS\KA-1003-01RIVERVERVIEW.GPJ



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	70-Wyandotte	SOUNDING NO.	CH-1
BRIDGE STA. 14442+64: 72.3' Rt		PROJ. NO.	KA-1003-01
SITE NAME		K-7 and I-70 Interchange, Riverview Ave.	
SHEET 2 of 2		BRIDGE NO.	
HOLE STA.		47+35.2, 16.5' Lt 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																																																																													
Rock Shale	Late Shale		g	960	Shale, gray, non-weathered, closely to widely fractured, hard to very hard, abundant Limestone stringers	40.95	3970000		959.92																																																																													
			63.4	957.92	T.D. = 63.4																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse; margin-left: auto; margin-right: 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>21.0</td><td>1000.32</td><td>2.4</td><td>2.2</td><td>92</td><td>79%</td></tr> <tr><td>2</td><td>23.4</td><td>997.92</td><td>5.0</td><td>5.0</td><td>100</td><td>56%</td></tr> <tr><td>3</td><td>28.4</td><td>992.92</td><td>5.0</td><td>5.0</td><td>100</td><td>64%</td></tr> <tr><td>4</td><td>33.4</td><td>987.92</td><td>5.0</td><td>5.0</td><td>100</td><td>78%</td></tr> <tr><td>5</td><td>38.4</td><td>982.92</td><td>5.0</td><td>5.0</td><td>100</td><td>40%</td></tr> <tr><td>6</td><td>43.4</td><td>977.92</td><td>5.0</td><td>5.0</td><td>100</td><td>72%</td></tr> <tr><td>7</td><td>48.4</td><td>972.92</td><td>5.0</td><td>5.0</td><td>100</td><td>84%</td></tr> <tr><td>8</td><td>53.4</td><td>967.92</td><td>5.0</td><td>4.7</td><td>94</td><td>94%</td></tr> <tr><td>9</td><td>58.4</td><td>962.92</td><td>5.0</td><td>5.0</td><td>100</td><td>100%</td></tr> <tr><td>Total</td><td>63.4</td><td>957.92</td><td>42.4</td><td>41.9</td><td>99</td><td>74%</td></tr> </tbody> </table>										Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	21.0	1000.32	2.4	2.2	92	79%	2	23.4	997.92	5.0	5.0	100	56%	3	28.4	992.92	5.0	5.0	100	64%	4	33.4	987.92	5.0	5.0	100	78%	5	38.4	982.92	5.0	5.0	100	40%	6	43.4	977.92	5.0	5.0	100	72%	7	48.4	972.92	5.0	5.0	100	84%	8	53.4	967.92	5.0	4.7	94	94%	9	58.4	962.92	5.0	5.0	100	100%	Total	63.4	957.92	42.4	41.9	99	74%
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