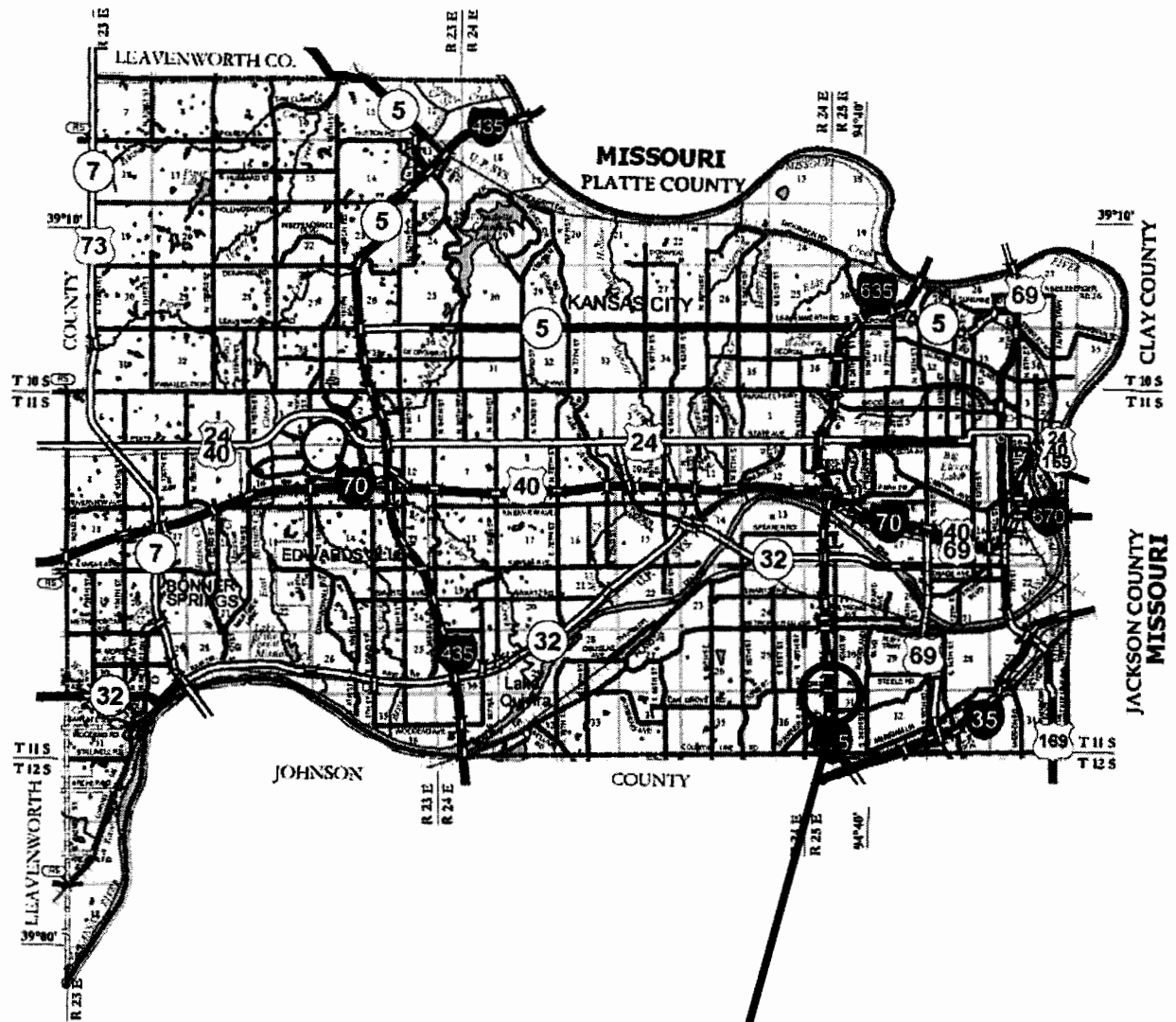




635-105 KA-2093-01 Gibbs Rd. over I-635

1.43 miles North of I-35

Wyandotte County

CD 06

N: 39.058622 E: -94.679289 (Approximate)

SE ¼, SE ¼, SW ¼, Sect 30, T11S, R25E

10/9/2012

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	I-635 / Wyandotte	SOUNDING NO.	CD 06	SHEET 1 of 3		
BRIDGE STA.	154+97.14	PROJ. NO.	635-105 KA-2093-01	BRIDGE NO.	1.05(326)	
SITE NAME				Gibbs Rd over I-635	HOLE STA.	51+98, 40.0' Lt CL
GEOLOGIST	R. Crow, P.G.	SCALE 1 inch = 5.0 feet			DATE	October 9, 2012
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV.	1025.9	
GW ELEV.	N/A	TOTAL DEPTH	53.0	M/B ELEV.	1016.9	

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 NQ2 Diamond	Mantle			1025	1025.9	Silty clay, dark brown, moist			
				1020			1.4	53900	1019.9
	Vilas		9.0	1016.9	Shale, weathered, tan				
	Plattsburg Limestone Formation		10.7	1015	1015.2	Limestone, hard, dense, gray with rust stain, fossiliferous	210	1.45E+08	1013.3
				1010			209	8.86E+07	1008.1
				1005			369	1.55E+08	1005.3
			22.0	1003.9	Shale, gray				
			22.4	1003.5	Limestone, hard, gray, dense, fossiliferous				
			23.4	1002.5	Shale, gray				
			23.7	1002.3	Limestone, hard, gray, fossiliferous, basal conglomerate				
			24.5	1001.4	Shale, gray				
				1000					
			25.5	1000.4	Shale, greenish gray, limy, clayey	22	4510000		998.8

BOREHOLE REPORT - KANSAS DOT.GDT - 1/23/13 15:37 - Q:\GEOLOGY\BRIDGE\635-105 KA-2093-01\GIBBS RD OVER 635 GPJ



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	I-635 / Wyandotte	SOUNDING NO.	CD 06	SHEET 2 of 3	
BRIDGE STA.	154+97.14	PROJ. NO.	635-105 KA-2093-01	BRIDGE NO.	1.05(326)
SITE NAME	Gibbs Rd over I-635			HOLE STA.	51+98, 40.0' 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
NQ2 Diamond	Bonner Springs Formation		29.8	996.1	Shale, gray, laminar, limy	59	8170000		995.0
			31.1	994.8	Shale, dark greenish gray, weak				
			32.9	993.1	Sandstone, gray, lime cement				
			33.5	992.4	Sandstone, gray, micro cross beds	82	1.21E+07		991.3
			36.0	989.9	Shale, gray, sandy				
			38.0	987.9	Sandstone, shaly, gray				
			40.3	985.6	Shale, sandy, light and dark gray varves	31	2490000		985.0
						73	8400000		980.2
						60	6200000		974.7
			53.0	972.9	T.D. = 53				



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	I-635 / Wyandotte	SOUNDING NO.	CD 06	SHEET 3 of 3	
BRIDGE STA.	154+97.14	PROJ. NO.	635-105 KA-2093-01	BRIDGE NO.	1.05(326)
SITE NAME	Gibbs Rd over I-635			HOLE STA.	51+98, 40.0' Lt CL

BOREHOLE REPORT - KANSAS DOT.GDT - 1/23/13 15:37 - Q:\GEOLOGY\BRIDGE\635-105 KA-2093-01\GIBBS RD OVER 635.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>10.7</td><td>1015.2</td><td>2.4</td><td>2.1</td><td>88</td><td>75%</td></tr><tr><td>2</td><td>13.1</td><td>1012.8</td><td>5.0</td><td>5.0</td><td>100</td><td>90%</td></tr><tr><td>3</td><td>18.1</td><td>1007.8</td><td>5.0</td><td>5.0</td><td>100</td><td>98%</td></tr><tr><td>4</td><td>23.1</td><td>1002.8</td><td>5.0</td><td>5.0</td><td>100</td><td>76%</td></tr><tr><td>5</td><td>28.1</td><td>997.8</td><td>4.9</td><td>5.0</td><td>102</td><td>62%</td></tr><tr><td>6</td><td>33.0</td><td>992.9</td><td>5.0</td><td>5.0</td><td>100</td><td>94%</td></tr><tr><td>7</td><td>38.0</td><td>987.9</td><td>5.0</td><td>5.0</td><td>100</td><td>96%</td></tr><tr><td>8</td><td>43.0</td><td>982.9</td><td>5.0</td><td>5.0</td><td>100</td><td>70%</td></tr><tr><td>9</td><td>48.0</td><td>977.9</td><td>5.0</td><td>5.0</td><td>100</td><td>90%</td></tr><tr><td>Total</td><td>53</td><td>972.9</td><td>42.3</td><td>42.1</td><td>100</td><td>84%</td></tr></tbody></table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	10.7	1015.2	2.4	2.1	88	75%	2	13.1	1012.8	5.0	5.0	100	90%	3	18.1	1007.8	5.0	5.0	100	98%	4	23.1	1002.8	5.0	5.0	100	76%	5	28.1	997.8	4.9	5.0	102	62%	6	33.0	992.9	5.0	5.0	100	94%	7	38.0	987.9	5.0	5.0	100	96%	8	43.0	982.9	5.0	5.0	100	70%	9	48.0	977.9	5.0	5.0	100	90%	Total	53	972.9	42.3	42.1	100	84%			
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