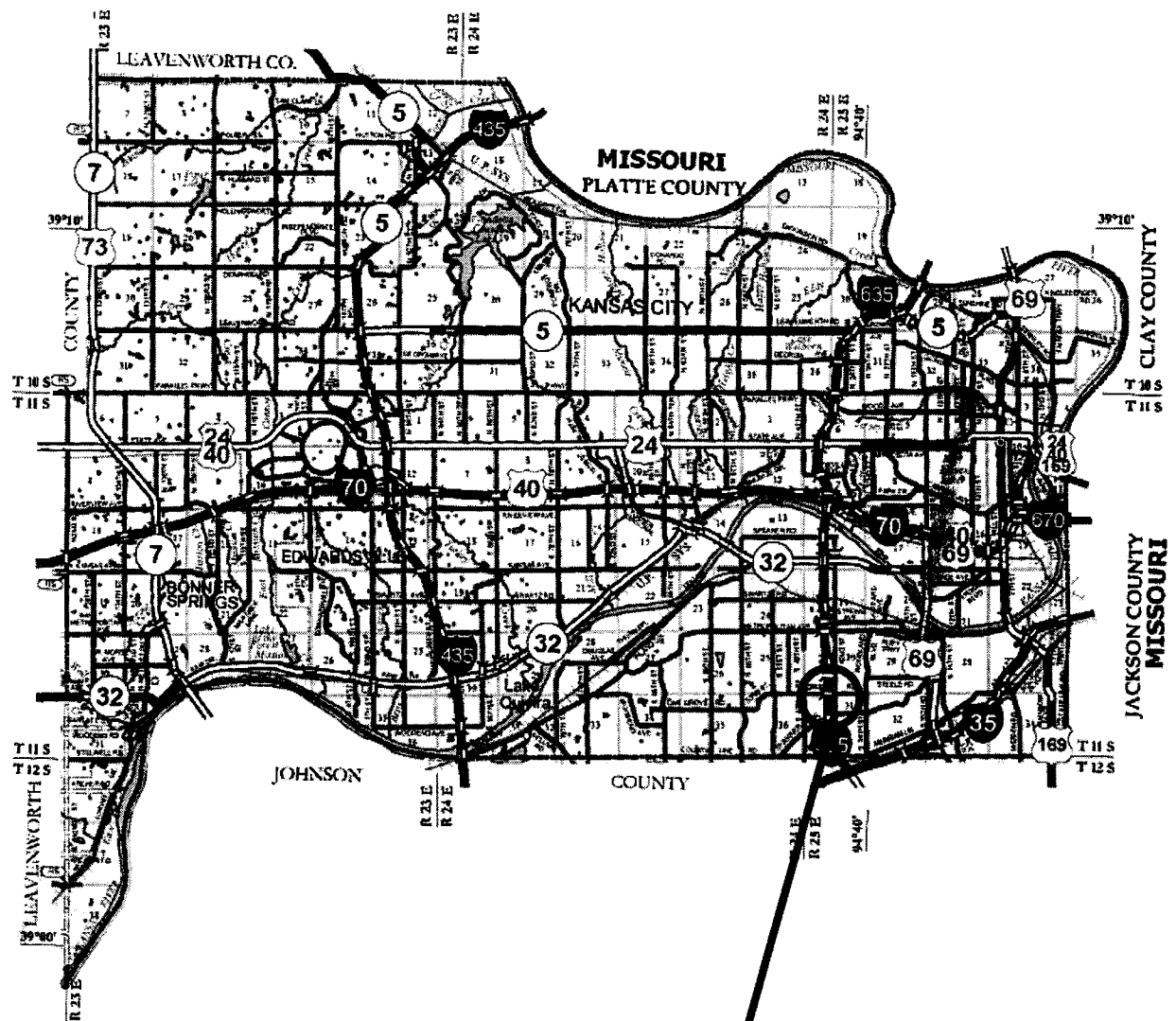




635-105 KA-2093-01 Gibbs Rd. over I-635

1.43 miles North of I-35

Wyandotte County

CD 05

N: 39.058622 E: -94.679289 (Approximate)

SE ¼, SE ¼, SW ¼, Sect 30, T11S, R25E

10/8/2012

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	I-635 / Wyandotte	SOUNDING NO.	CD 05	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.	48+58, 47.0' Rt CL
GEOLOGIST	R. Crow, P.G.	SCALE 1 inch = 5.0 feet		DATE	October 8, 2012	
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV.	1039.42	
GW ELEV.	1017.4	TOTAL DEPTH	53.4	M/B ELEV.	1027.62	

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			1039.4	Silty clay, reddish-brown, sandy						
				1035							
				1030							
						1.5	160000		1028.62		
			11.8	1027.6	Sandstone, shaly, tan/brown						
			12.5	1026.9	Tan sandy shale						
			13.4	1026.0	Sandstone, tan, cross bedded						
			14.2	1025.2	Sandstone, lime cement, gray						
			14.3	1025.1	Sandstone, tan, sandy						
			15.3	1024.1	Shale, gray, clayey, sandy						
NQ2 Diamond	Vilas Formation		2			5	330000		1022.62		
				1020							
			21.8	1017.6	Limestone, gray, hard						
			23.4	1016.0	Limestone, gray, wavy-bedded, hard	376	1.4E+08		1016.02		
						227	2.32E+08		1013.22		
			Plattsburg Limestone Formation		4						
					5	1010					

BOREHOLE REPORT - KANSAS DOT.GDT - 10/22/12 08:40 - 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 05	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.	48+58, 47.0' Rt CL

COREHOLE REPORT - KANSAS DOT.GDT - 10/22/12 08:40 - C:\GEOLOGY\BRIDGE\635-105 KA-20933-01\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
NQ2 Diamond	Plattsburg Limestone Formation		5		Limestone, gray, wavy-bedded, hard	443	1.5E+08		1008.22
			33.2						
			33.4						
			33.9	1005	1006.2	Shale, gray			
			34.5		1006.0	Limestone, dark gray, fossil fragments			
			34.7		1005.5	Limestone, very fine, white/gray			
			35.7		1004.9	Shale, dark gray	330	1.19E+08	1003.72
			36.6		1004.7	Limestone, very fine, gray, hard, wavy-bedded			
					1003.7	Shale, gray, limy			
					1002.8	Limestone, very hard, light gray, very fine, dense			
	Bonner Springs Formation		38.4	1000	1001.0	Shale, gray, limy, sandy	132	3.09E+07	998.32
			43.4	995	996.0	Sandstone, gray, micro cross beds, shaly	58	1.78E+07	991.62
			48.4	990	991.0	Sandstone, gray, shaly, limy			
			50.5		988.9	Shale, sandy, gray	28	3470000	987.22
			53.4		986.02	T.D. = 53.4			



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	I-635 / Wyandotte	SOUNDING NO.	CD 05	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.	48+58, 47.0' Rt CL

BUREAU OF PUBLIC ROADS - KANSAS DOT - DISTRICT 1 - 10/22/12 08:40 - C:\GEOLOG\1\BRIDGE\633-103\KAS-2053-34\INGIBBS RD OVER 633-34-J																																																																																									
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>12.5</td><td>1026.92</td><td>0.9</td><td>0.4</td><td>44</td><td>0%</td></tr><tr><td>2</td><td>13.4</td><td>1026.02</td><td>5.0</td><td>5.0</td><td>100</td><td>82%</td></tr><tr><td>3</td><td>18.4</td><td>1021.02</td><td>5.0</td><td>5.0</td><td>100</td><td>92%</td></tr><tr><td>4</td><td>23.4</td><td>1016.02</td><td>5.0</td><td>5.0</td><td>100</td><td>94%</td></tr><tr><td>5</td><td>28.4</td><td>1011.02</td><td>5.0</td><td>5.0</td><td>100</td><td>92%</td></tr><tr><td>6</td><td>33.4</td><td>1006.02</td><td>5.0</td><td>5.0</td><td>100</td><td>98%</td></tr><tr><td>7</td><td>38.4</td><td>1001.02</td><td>5.0</td><td>5.0</td><td>100</td><td>84%</td></tr><tr><td>8</td><td>43.4</td><td>996.02</td><td>5.0</td><td>5.0</td><td>100</td><td>88%</td></tr><tr><td>9</td><td>48.4</td><td>991.02</td><td>5.0</td><td>5.0</td><td>100</td><td>74%</td></tr><tr><td>Total</td><td>53.4</td><td>986.02</td><td>40.9</td><td>40.4</td><td>99</td><td>86%</td></tr></tbody></table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	12.5	1026.92	0.9	0.4	44	0%	2	13.4	1026.02	5.0	5.0	100	82%	3	18.4	1021.02	5.0	5.0	100	92%	4	23.4	1016.02	5.0	5.0	100	94%	5	28.4	1011.02	5.0	5.0	100	92%	6	33.4	1006.02	5.0	5.0	100	98%	7	38.4	1001.02	5.0	5.0	100	84%	8	43.4	996.02	5.0	5.0	100	88%	9	48.4	991.02	5.0	5.0	100	74%	Total	53.4	986.02	40.9	40.4	99	86%				
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