

KID:1055997098

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	635 / Wyandotte	SOUNDING NO.	CH 01	SHEET 1 of 2	
		PROJ. NO.	635-105 KA-5717-01	BRIDGE NO.	036
SITE NAME	Metropolitan Ave Bridge over I-635			HOLE STA.	47+87.6, 34.0' Lt CL
GEOLOGIST	B. Beckwith, G.S.	SCALE	1 inch = 8.3 feet	DATE	November 8, 2021
DRILLER	R. Vervynck	RIG TYPE	CME 55-Topeka	TOP HOLE ELEV.	803.7
GW ELEV.	N/A	TOTAL DEPTH	48.5	M/B ELEV.	787.2
GPS COORDINATES					

BOREHOLE REPORT - KANSAS DOT 01-09-17.GDT - 1/20/22 09:57 - R:\BIBBECK\WITHBRIDGE AND SURFACE PROJECTS\635-105 KA-5717-01\635-105 KA-5717-01.GPJ

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT	N60	ELEVATION
8" Hollow Augers	Soil Mantle		7.5	795.2	Silty clay, reddish-brown, damp	2.0	140000			791.9
			13.0	790.7	Weathered shale, tan, friable to slightly firm					
NQ2 Diamond	Winterset Limestone Member		16.5	787.2	Weathered shale, tan, friable to slightly firm					
			21.2	782.5	Shale, gray, dark gray, moderately firm	0.3				783.2
			25.3	778.4	Limestone, dark gray-gray, very hard	9.1	276000			780.2
			26.4	777.3	Shale, gray, moderately firm	126.0	5.99E+07			777.45
			29.5	774.2	Shaly limestone, dark gray, firm	5.7	272000			775.7
			30.5	773.2	Limestone, gray-dark gray, hard, fractured	8.2	1340000			773.8
			31.2	772.5	Limestone, mottled gray-light gray, very hard, occasional vugs	279.0	1.35E+08			771.8
			33.5	770.2	Limestone, gray-light gray, very hard	293.0	7.25E+07			769.05
			35.7	768.0	Shaly limestone, dark gray-gray, friable to hard	76.0	2.04E+07			765.2
			38.9	764.8	Limestone, gray-dark gray, hard, fractured	57.0	1.32E+07			762.8
44.3	759.5	Shaly limestone, dark gray, friable to moderately hard	129.0	4.14E+07			760.2			
45.5	758.3	Limestone, bluish-gray, very hard	12.6	2860000			758.9			
			48.5	755.2	T.D. = 48.5	540.0	1.9E+08			755.2



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	635 / Wyandotte	SOUNDING NO.	CH 01	SHEET 2 of 2
		PROJ. NO.	635-105 KA-5717-01	BRIDGE NO. 036
SITE NAME	Metropolitan Ave Bridge over I-635			HOLE STA. 47+87.6, 34.0' Lt CL

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT	N60	ELEVATION																																																														
					<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <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>16.5</td><td>787.2</td><td>2.0</td><td>0.0</td><td>0</td><td>0%</td></tr> <tr><td>2</td><td>18.5</td><td>785.2</td><td>5.0</td><td>5.0</td><td>100</td><td>80%</td></tr> <tr><td>3</td><td>23.5</td><td>780.2</td><td>5.0</td><td>5.0</td><td>100</td><td>94%</td></tr> <tr><td>4</td><td>28.5</td><td>775.2</td><td>5.0</td><td>5.0</td><td>100</td><td>76%</td></tr> <tr><td>5</td><td>33.5</td><td>770.2</td><td>5.0</td><td>5.0</td><td>100</td><td>68%</td></tr> <tr><td>6</td><td>38.5</td><td>765.2</td><td>5.0</td><td>5.0</td><td>100</td><td>100%</td></tr> <tr><td>7</td><td>43.5</td><td>760.2</td><td>5.0</td><td>5.0</td><td>100</td><td>88%</td></tr> <tr><td>Total</td><td>48.5</td><td>755.2</td><td>32.0</td><td>30.0</td><td>94</td><td>79%</td></tr> </tbody> </table> <p style="font-size: 1.2em; margin: 0;">Box 1: 18.5' - 30.5'</p> <p style="font-size: 1.2em; margin: 0;">Box 2: 30.5' - 41.7'</p> <p style="font-size: 1.2em; margin: 0;">Box 3: 41.7' - 48.5'</p>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	16.5	787.2	2.0	0.0	0	0%	2	18.5	785.2	5.0	5.0	100	80%	3	23.5	780.2	5.0	5.0	100	94%	4	28.5	775.2	5.0	5.0	100	76%	5	33.5	770.2	5.0	5.0	100	68%	6	38.5	765.2	5.0	5.0	100	100%	7	43.5	760.2	5.0	5.0	100	88%	Total	48.5	755.2	32.0	30.0	94	79%				
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635-105 KA-5717-01
Br. No. 635-105-2.42 (361)
Metropolitan Ave. over I-635
Wyandotte County

