

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY *Shownee* PROJECT NO. *70-89-K-2446-01* BRIDGE NO. *12.36*

DESCRIPTION *I-70 over Gage Blvd.* STA. *139+96.5, Lt. 88' E Proj.*

GEOLOGIST *Alex Kotoyantz* VERTICAL SCALE *1"=10'* DATE *6-18-1990*

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE		
								BLOWS	ELEV.	
					<i>910</i>	<i>T.H.E.I. 910.9</i>				
	<i>Severy Shale Formation</i>			<i>22</i>	<i>908.2</i>	<i>silty clay, clay, tan brown-yellowish</i>			<i>908.2</i>	
			<i>54</i>	<i>905.5</i>	<i>Wtd. sh, silty, sandy, ss. stringers yellowish tan, orange tan.</i>					
			<i>95</i>	<i>901.4</i>	<i>Wtd. sh, silty, ss. stringers, tan brown-yellowish brown-H. gray.</i>			<i>65</i>	<i>902.6</i>	
			<i>125</i>	<i>898.4</i>	<i>sh, silty, clayey, gray.</i>	<i>Sa #1</i>		<i>B.P.T.</i>	<i>900.0</i>	
					<i>sh, clayey, gray.</i>	<i>QU</i>	<i>14.379</i>			
						<i>Sa #2</i>			<i>894.9</i>	
					<i>196</i>	<i>891.3</i>		<i>QU</i>	<i>8.666</i>	
					<i>23?</i>	<i>887.2</i>	<i>sh, silty, limy, limy cemented ss. bands, gray</i>	<i>Sa #3</i>		<i>891.3</i>
					<i>265</i>	<i>884.4</i>	<i>sh, silty, clayey, dense, gray.</i>	<i>QU</i>	<i>15.768</i>	
								<i>Sa #4</i>		<i>884.6</i>
					<i>880</i>	<i>sh, clayey, silty, hard, dense, fossiliferous, dk. gray.</i>	<i>QU</i>	<i>26.105</i>		
				<i>364</i>	<i>874.5</i>		<i>Sa #5</i>		<i>881.1</i>	
			<i>390</i>	<i>871.9</i>	<i>ls., hard, dense, gray.</i>	<i>QU</i>	<i>30.086</i>			
			<i>T.D.</i>	<i>870</i>		<i>Sa #6</i>		<i>876.9</i>		
	<i>Cool Creek Ls. Member</i>					<i>Core #1, 85-120 (902.4-898.9)</i>	<i>QU</i>	<i>18.118</i>		
							<i>Cut 35 Rec. 3!</i>	<i>Sa #7</i>		<i>873.0</i>
							<i>R.O.D. 46%</i>			
							<i>Core Rec. 88%</i>			
							<i>Core #2, 120-170 (898.9-893.9)</i>			
							<i>Cut 50 Rec. 50</i>			
							<i>R.O.D. 85%</i>			
							<i>Core Rec. 100%</i>			
							<i>Core #3, 170-215 (893.9-889.4)</i>			
							<i>Cut 45 Rec. 45</i>			
					<i>R.O.D. 100%</i>					
					<i>Core Rec. 100%</i>					

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COUNTY *Shawnee* PROJECT NO. *70-89-K-2446-01* BRIDGE NO. *12.36*

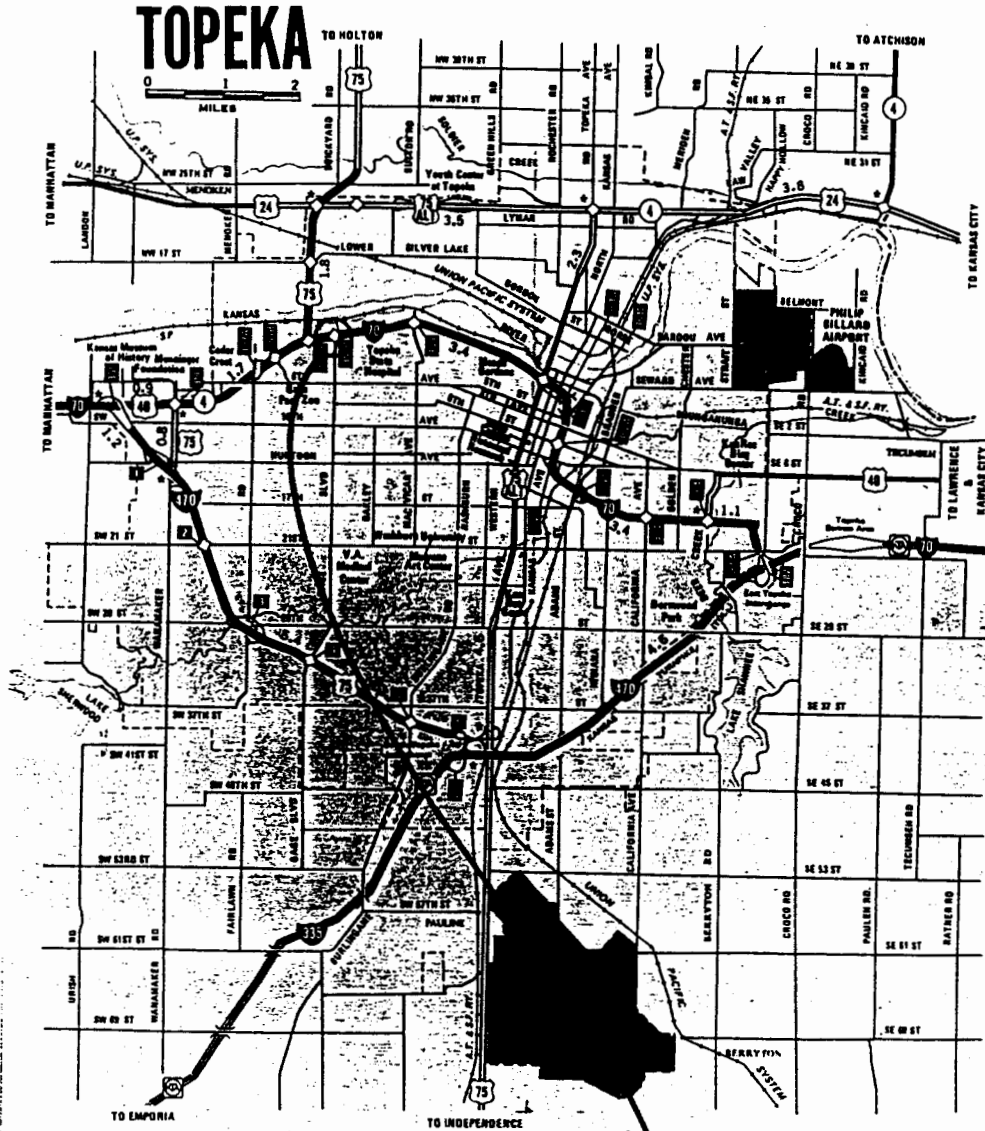
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								BLOWS	ELEV.
						<p><i>Core #4, 21⁵ - 26⁵ (889.4 - 884.4)</i></p> <p><i>Cut 5° Rec. 5°</i></p> <p><i>R.O.D. 100%</i></p> <p><i>Core Rec. 100%</i></p>			
						<p><i>Core #5, 26⁵ - 31⁵ (884.4 - 879.4)</i></p> <p><i>Cut 5° Rec. 4⁵</i></p> <p><i>R.O.D. 74%</i></p> <p><i>Core Rec. 86%</i></p>			
						<p><i>Core #6, 31⁵ - 34⁰ (879.4 - 876.9)</i></p> <p><i>Cut 2⁵ Rec. 2⁵</i></p> <p><i>R.O.D. 100%</i></p> <p><i>Core Rec. 100%</i></p>			
						<p><i>Core #7, 34⁰ - 39⁰ (876.9 - 871.9)</i></p> <p><i>Cut 5° Rec. 5°</i></p> <p><i>R.O.D. 100%</i></p> <p><i>Core Rec. 100%</i></p>			
						<i>Casing Drive Data</i>			
		<i>Elevation</i>			<i>Depth</i>	<i>Blows</i>			
		<i>906⁹ - 905⁹</i>			<i>4⁰ - 5⁰</i>	<i>112 / ft.</i>			
		<i>905⁵ - 905⁴</i>			<i>5⁴ - 5⁵</i>	<i>20 / 0.1 ft.</i>			
		<i>905⁰ - 904⁹</i>			<i>5⁹ - 6⁰</i>	<i>30 / "</i>			
		<i>904¹ - 904⁰</i>			<i>6⁸ - 6⁹</i>	<i>46 / "</i>			
		<i>904⁰ - 903⁹</i>			<i>6⁹ - 7⁰</i>	<i>43 / "</i>			
		<i>903⁸ - 903⁷</i>			<i>7¹ - 7²</i>	<i>45 / "</i>			
		<i>903⁶ - 903⁵</i>			<i>7³ - 7⁴</i>	<i>53 / "</i>			
		<i>902⁷ - 902⁶</i>			<i>8² - 8³</i>	<i>65 / "</i>			
		<i>902⁶</i>			<i>8³</i>	<i>Refused</i>			

Kansas Department of Transportation

BRIDGE FOUNDATION REPORT



C-27-115-15E

0-39

Wobauensee

70-89 K-2446-01
I-70 over Gage Boulevard
Shawnee County

Br# 12.35 + 12.36

Severly shale to
top Cool Creek limestone