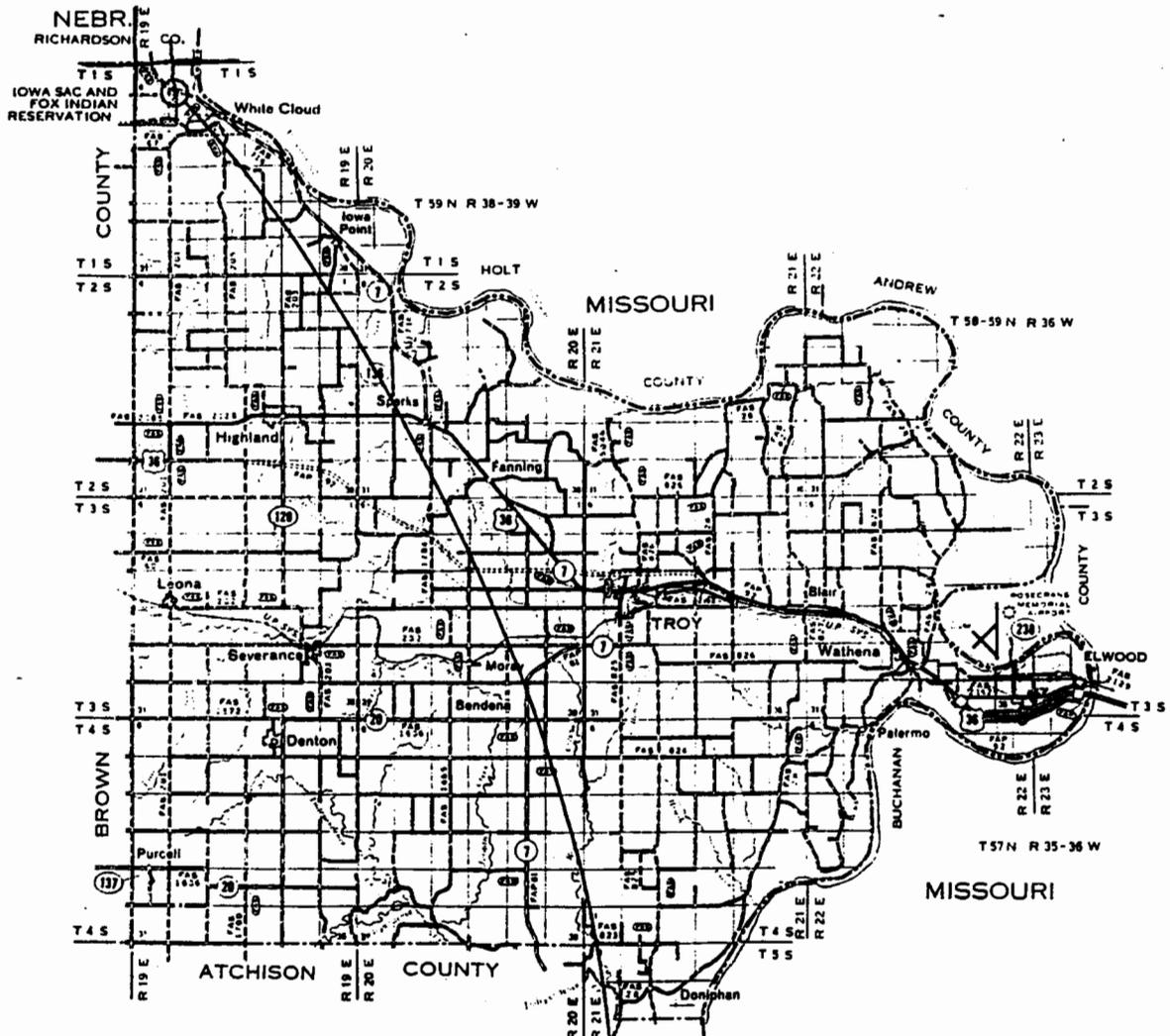


# BRIDGE FOUNDATION GEOLOGY REPORT



LEGEND	
<p><b>ROADS AND ROADWAY FEATURES</b></p> <ul style="list-style-type: none"> <li>PRIMITIVE ROAD</li> <li>UNIMPROVED ROAD</li> <li>GRADED AND DRAINED ROAD</li> <li>SOIL SURFACED ROAD</li> <li>GRAVEL OR STONE ROAD</li> <li>NOT GRADED OR DRAINED</li> <li>GRAVEL OR STONE ROAD</li> <li>GRADED AND DRAINED</li> <li>GRAVEL OR STONE ROAD WITH STABILIZED SURFACE</li> <li>BITUMINOUS ROAD—LOW TYPE</li> <li>PAVED ROAD</li> <li>DIVIDED HIGHWAY</li> <li>HIGHWAY WITH FULL CONTROL OF ACCESS AND INTERCHANGE</li> </ul>	<p><b>ROAD SYSTEM DESIGNATION</b></p> <ul style="list-style-type: none"> <li>FEDERAL AID INTERSTATE HIGHWAY SYSTEM</li> <li>FEDERAL AID PRIMARY HIGHWAY SYSTEM</li> <li>FEDERAL AID SECONDARY HIGHWAY SYSTEM</li> <li>INTERSTATE NUMBERED HIGHWAY</li> <li>U.S. NUMBERED HIGHWAY</li> <li>STATE HIGHWAY SYSTEM OR STATE NUMBERED HIGHWAY</li> <li>END OF DESIGNATED SYSTEM OR MARKED ROUTE</li> </ul>

**GENERAL HIGHWAY MAP  
DONIPHAN COUNTY  
KANSAS**

PREPARED BY THE  
KANSAS DEPARTMENT OF TRANSPORTATION  
PLANNING AND DEVELOPMENT DEPARTMENT  
IN COOPERATION WITH THE  
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

SCALE  
1:50,000  
1962

SE-6-15-19E

7-22-K-0243-01  
Br. No. 30.92  
SQUAW CREEK

# KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY *Doniphan* PROJECT NO. *7-22-K-0243-01* BRIDGE NO. *30.92*

DESCRIPTION *Squaw Creek Br., 1.5 mi NW White Cloud STA. 100 + 72, 11' Rt.*

GEOLOGIST *Clowers* VERTICAL SCALE *1" = 10'* DATE

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>THE 859.08</i>			
	<i>Mantle</i>				<i>850</i>	<i>Silty clay, brn.</i>		<i>Pushed 4" Casing</i>	
				<i>840</i>					
				<i>830</i>					
				<i>34 1/2</i>	<i>824.48</i>		<i>Gravel, sand, clay binder</i>		
	<i>Severy Fm. Core 2</i>			<i>38 1/2</i>	<i>820</i>	<i>820.98</i>			
				<i>42 1/2</i>	<i>816.78</i>	<i>Point drilled to</i>			
				<i>47 1/2</i>	<i>811.78</i>	<i>SS, dk gray.</i>	<i>815.08</i>	<i>SA1</i>	<i>QU 26.7</i>
	<i>Core 1</i>				<i>813.18</i>	<i>Small scale cross bedding.</i>	<i>813.18</i>	<i>SA2</i>	<i>QU 34.3</i>
					<i>810.78</i>	<i>SS, dk gray</i>			
					<i>810</i>	<i>TD 810.78</i>			

Project No. 7-22-K-0243-01  
 Br. No. 30.92  
 CD # 10 Sta. 100+72, 11' Rt.  
 Core # 1  
 Depth 42<sup>3</sup> to 47<sup>3</sup> M.  
 Elev. 816.78 to 811.78

Core Run	Core Sample	Core Recovery	RQD	Description
0				
1.0		.10	-	Sandstone, dk gray.
		.25	-	
		.30	.30	
		.25	-	
		.10	-	
		.18	-	
2.0		.55	.55	
		.45	.45	
		.10	-	
		.20	-	
3.0		.10	-	
		.90	.90	
		.55	.55	
4.0		.15	-	
		.20	-	
		.55	.55	
5.0				
	5 <sup>0</sup>	4.53	2.75	Total
Core Recovery =	91%			
RQD =	55%		Fair	