



LEGEND

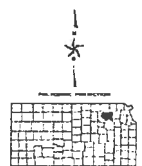
ROADS AND ROADWAY FEATURES

PRIMITIVE ROAD
UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL SURFACED ROAD
GRAVEL OR STONE ROAD
NOT GRADED OR DRAINED
GRAVEL OR STONE ROAD
GRADED AND DRAINED
GRAVEL OR STONE ROAD WITH
STABILIZED SURFACE
BITUMINOUS ROAD-LOW TYPE
PAVED ROAD
DIVIDED HIGHWAY
HIGHWAY WITH FULL CONTROL OF
ACCESS AND INTERCHANGE



ROAD SYSTEM DESIGNATION

FEDERAL AID INTERSTATE HIGHWAY SYSTEM
FEDERAL AID PRIMARY HIGHWAY SYSTEM
FEDERAL AID SECONDARY HIGHWAY SYSTEM
INTERSTATE NUMBERED HIGHWAY
U.S. NUMBERED HIGHWAY
STATE HIGHWAY SYSTEM OR
STATE NUMBERED HIGHWAY
END OF DESIGNATED SYSTEM OR
MARKED ROUTE



KEY TO SHOWN

BRIDGE FOUNDATION GEOLOGY REPORT

24-75 K-0671-01
US-24 over Big Blue River
Br. No. 1.34 & 1.35
Sta 87+54 (EB) & 87+45 (WB)
Pottawatomie County

SW SW - 9 - 105 - BE
0' to 94'

Admire Group
Hamlin shale to west Branch

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY *Pottawatomie* PROJECT NO. *24-75-K-CE71-01* BRIDGE NO. *1.34*

DESCRIPTION *E. Bound 24 over Blue River* STA. *85+80, Rt. 25'*

GEOLOGIST *Notogantz* VERTICAL SCALE *1"=10'* DATE *6-24-82*

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>East Bound Bridge # 1.34</i>			
						<i>T.H. Elev. - 1011.18</i>			
		<i>1000</i>			<i>1010</i>	<i>Backfill Material</i>			
					<i>1007.2</i>				
					<i>1000</i>	<i>silty clay</i>			
					<i>992.7</i>				
					<i>990</i>				
					<i>980</i>	<i>Sand, coarse to medium with gravel in its lower portion.</i>			
					<i>970</i>				
					<i>960</i>				
					<i>950</i>				
				<i>63.7</i>	<i>947.3</i>	<i>Shale, Lt.-tan, wthd.</i>			
						<i>cont</i>			
								<i>60</i>	<i>945.98</i>

ROUTE NO. 45-24

SOUNDING NO.

C. D. #1

SHEET 2 OF 2

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY *Pottawatomie* PROJECT NO. 24-75-K-0671-0 / BRIDGE NO. 1.34DESCRIPTION *E. Bound 24 over Blue River* STA. 85+80, Rt. 25'GEOLOGIST *Wotoyantz* VERTICAL SCALE 1" = 10' DATE 6-24-82

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>B Christenson Core Barrel - Carbide Bit</i>	<i>Hamlin shale Mbr.</i>	<i>#2 Core 1</i>		<i>632</i>	<i>947.3</i>	<i>Alluvium</i>			
				<i>652</i>	<i>946.3</i>	<i>shale, lt.-tan, w/hd</i>			
				<i>661</i>	<i>945.2</i>	<i>shale, grey, clayey</i>		<i>60</i>	<i>945.98</i>
						<i>Sandstone, micaceous,</i>			
					<i>940</i>	<i>fine grained, lt.-grey,</i>			
				<i>742</i>	<i>937.2</i>	<i>upper & lower 0.5 tightly</i>			
						<i>cemented, contains</i>			
						<i>shaly sandstone zones.</i>			
					<i>930</i>	<i>Core #1 65.5-70.5 (945.2-940.2)</i>			
						<i>cut 5" Rec'd 4B</i>			
						<i>0.6 shale, clayey, grey</i>			
						<i>4" Sandstone, grey,</i>			
						<i>micaceous, lower 1 foot</i>			
						<i>somewhat shaly.</i>			
						<i>Core #2 70.5-74.0 (940.2-937.2)</i>			
						<i>cut 3" Rec'd 3B</i>			
						<i>3.5 sandstone, grey</i>			
						<i>micaceous, fine</i>			
						<i>grained, grey, upper</i>			
						<i>0.6 shaly, lower</i>			
						<i>0.5 tightly cemented</i>			
						<i>and very hard.</i>			