

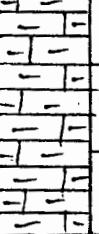
N2 NE 32-2-7E

KANSAS DEPARTMENT OF TRANSPORTATION



1. ROUTE-COUNTY NO. <u>36-58</u>	7. SOUNDING NO. <u>CD #2</u>	12. SHEET <u>1 OF 2</u>
2. BRIDGE STA.	8. PROJECT NO. <u>K-6064-04</u>	13. BRIDGE NO. <u>781 (054)</u>
3. DESCRIPTION <u>US-36 over Big Blue River & U.P.R.R.</u>	9. VERTICAL SCALE <u>1"=10'</u>	14. HOLE STA. <u>401+90</u>
4. GEOLOGIST <u>B. Henthorne</u>	10. DRILLER <u>J. Burns</u>	15. DATE <u>3-8-01</u>
5. DRILLER <u>J. Burns</u>	11. RIG <u>CME 55</u>	16. ELEVATION TOP OF HOLE <u>1160.91</u>
6. GROUND WATER ELEV. <u>Dry</u>	17. TOTAL DEPTH OF HOLE <u>72.0</u>	18. ELEVATION TOP OF ROCK <u>1121.41</u>

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV.
					Top Hblt Elev <u>1160.91</u>	<u>K70</u>		
<i>Hollowstem Auger</i>	<i>Soil Mantle</i>				Fill Material to <u>1145.0</u> Fill: Silty Clay, Cobbles of Limestone, Tan-Brown Alluvial Mantle Material Silty Clay minor amount of sand Brown. <u>13ft Coarse</u> <u>1117.0 to 1113.0</u>			
			<u>39.5</u>	<u>1121.41</u>				
			<u>1/2</u>	<u>1120</u>	<i>Shale, Green, Gray, Red Clayey</i>	<u>911.4</u>		
			<u>3</u>			<u>11.1</u>		
			<u>4</u>	<u>1110</u>		<u>773.7</u>		
			<u>5</u>			<u>353.4</u>		
				<u>1103.46</u>		<u>3213.4</u>		
			<u>6</u>	<u>1100</u>	<i>Limestone, Shaly, Gray to Dark Gray Isolated Fossiliferous Zones, Cherty Zones</i>	<u>1869.8</u>		
			<u>7</u>			<u>8686.4</u>		
						<u>17769.6</u>		

DRILLING LOG (con't sheet)		SOUNDING NO. <i>CD#2</i>		PROJECT NO. <i>K-6064-04</i>		SHEET <i>2 OF 2</i>																																																																									
ELEVATION TOP OF HOLE <i>1060.91</i>		GROUND WATER ELEV. <i>Dry</i>		TOTAL DEPTH OF HOLE <i>1088.91</i>		ELEVATION TOP OF ROCK <i>1121.41</i>																																																																									
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Core	Hole	Soundings	Log	Project 36 58 K-6064-04
				Bridge No. 36-58-7.81 (054)
				Bridge Station 411+85
				US-36 Over Big Blue River and UP Railroad
				Marshall County
Core Hole #2, Station 401+90, 8 ft. Lt. Centerline, Top Hole Elevation = 1160.91				
		6 inch Hollow Stem Augers		
		1160.91	0.0-10.5	Fill Material, Shale-Clay, Tan Brown
		1150.41	10.5-25.0	Silty Clay, Dry
		1135.91	25.0-39.5	Clay, Stiff
		1121.41	39.5-40.0	Shale
		1120.91	40.0-TD	Begin Core
Core #1		1120.91	0.0-1.2	Shale, Blue-Gray
40.0-41.2		1119.71	1.2-TD	RQD = 70%
Cut 1.2				
Rec. 1.0				
Core #2		1119.71	0.0-1.1	Shale, Blue-Gray
41.2-42.3		1118.61	1.1-TD	RQD = 40%
Cut 1.1				
Rec. 1.1				
Core #3		1118.61	0.0-2.7	Shale, Clayey, Blue-Gray
42.3-47.3		1115.91	2.7-5.0	Shale, Clayey, Red-Umber
Cut 5.0		1113.61	5.0-TD	RQD = 78%
Rec. 4.3				
Core #4		1113.61	0.0-4.4	Shale, Clayey, Red Umber
47.3-52.3		1109.21	4.4-5.0	Shale, Clayey, Gray-Green
Cut 5.0		1108.61	5.0-TD	RQD = 84%
Rec. 5.0				

