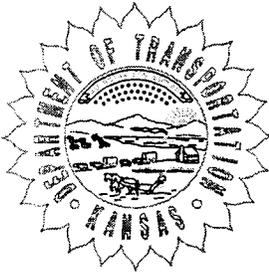


Project 192-44 K-6824-01
Bridge Approaches for
K-192 over Crooked Creek
Jefferson County

ZDE Ø

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO. 192-44	SOUNDING NO. 1	SHEET 1 OF 2 (030)
BRIDGE STA. 10+101.500	PROJ. NO. K-6924-01	BRIDGE NO. 005 (xxx)
SITE NAME K-192 over Crooked Creek		HOLE STA. 10+083.000 15.2 m LI
GEOLOGIST Denesha	SCALE 1:100 (10mm=1m)	DATE 12-12-02
DRILLER Vervynck	RIG TYPE B-61	TOP HOLE ELEV. 326.82
GW ELEV. 324.38	TOTAL DEPTH 14J5 m	M/B ELEV. 322.86

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION TEST (SPT)		
							N COUNT	ELEVATION	
				327	Top Hole Elevation- 326.82			327	
8' Augers	Mantle	[Stratigraphic Column Diagram]	3.96	326	Sandy, silty-clay, medium brown to light gray. Iron nodules present, majority sandy with coarse sand and gravel at base	471	324.93	325	
				325			324		
				324		55	323.41	324	
				323		322.86	323		
				322		Shale-medium gray, firm, clayey minor fossils	2089	322.05	322
				321		321.42	19409	320.94	321
				320		Limestone- lt gray with dark gray shale beds crystalline to shaley, abundant fossils in lower portion; gastropods and fusillnids noted, calcite filled vugs and rip up clasts present D - .061 m S - 2 m	70684	320.47	
				319			62319	320.01	320
				318			60470	319.49	
				317			.	318.86	319
Hartford Iowa Pt. Sh	Ls Mbr	[Stratigraphic Column Diagram]	8.66	318	Shale- dark gray, gradational contact, uniform color and 3/16 grain size, firm	2116	318.33	318	
				317	Limestone- lt gray, very impure, fine wavy beds of shale abundant fossils, lower portion, white and crystalline very hard, grades to shale in lower 0.1 m, with soft sediment deformation D - .076 S - 1.22	15196	317.73	317	
				316		53095	317.25		
				315		.	316.61	317	
				314		15651	315.78	316	
Calhoun Shale Fm.	Ls Mbr	[Stratigraphic Column Diagram]		316	Shale- dark gray, sandy stringers, thin coal bed, gradational contact to even amounts of cross-bedded sand and shale	17580	315.31		
				315		3840	314.75	315	
				314		3055	314.03	314	



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO. 192-44	SOUNDING NO. 1	SHEET 2 OF 2
BRIDGE STA. 10-101.500	PROJ. NO. K-6924-01	BRIDGE NO. 005 (xxx)
SITE NAME K-192 over Crooked Creek		HOLE STA. 10-083.000

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION TEST (SPT)																																																															
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					<table border="1" style="width: 100%; border-collapse: collapse; margin: 5px;"> <thead> <tr> <th>Core #</th> <th>Depth</th> <th>Elev.</th> <th>Cut</th> <th>Rec</th> <th>%</th> <th>ROD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4.27</td> <td>322.55</td> <td>1.04</td> <td>0.70</td> <td>67.3</td> <td>68</td> </tr> <tr> <td>2</td> <td>5.30</td> <td>321.52</td> <td>1.22</td> <td>1.13</td> <td>92.6</td> <td>83</td> </tr> <tr> <td>3</td> <td>6.52</td> <td>320.30</td> <td>1.52</td> <td>1.46</td> <td>96.1</td> <td>94</td> </tr> <tr> <td>4</td> <td>8.05</td> <td>318.77</td> <td>1.52</td> <td>1.52</td> <td>100.0</td> <td>70</td> </tr> <tr> <td>5</td> <td>9.57</td> <td>317.25</td> <td>1.52</td> <td>1.52</td> <td>100.0</td> <td>95</td> </tr> <tr> <td>6</td> <td>11.10</td> <td>315.72</td> <td>1.52</td> <td>1.31</td> <td>86.2</td> <td>74</td> </tr> <tr> <td>7</td> <td>12.62</td> <td>314.20</td> <td>1.52</td> <td>1.49</td> <td>98.0</td> <td>90</td> </tr> <tr> <td>Totals</td> <td>14.15</td> <td>312.67</td> <td>9.86</td> <td>9.13</td> <td>92.6</td> <td>-</td> </tr> </tbody> </table>	Core #	Depth	Elev.	Cut	Rec	%	ROD	1	4.27	322.55	1.04	0.70	67.3	68	2	5.30	321.52	1.22	1.13	92.6	83	3	6.52	320.30	1.52	1.46	96.1	94	4	8.05	318.77	1.52	1.52	100.0	70	5	9.57	317.25	1.52	1.52	100.0	95	6	11.10	315.72	1.52	1.31	86.2	74	7	12.62	314.20	1.52	1.49	98.0	90	Totals	14.15	312.67	9.86	9.13	92.6	-		
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