



**LEGEND**



**BM #1**  
 "+ " CUT ON WEST RIM OF SSMH, 250' E. OF K-96 ON N. SIDE OF REDBUD TRAIL  
 Sta. 100+02, 21' Lt  
 ELEV. 1356.30

**BM #2**  
 RR SPIKE IN SOUTH FACE OF HLP @ 1ST SET OF POLES (APPROX. 350') E. OF FOUNDERS CIR, 75' N. OF CL REDBUD TRAIL.  
 Sta. 111+80, 90' Lt.  
 ELEV. 1357.68

BORING LOG No. B-3												
BORING NO.		LOCATION OF BORING		ELEVATION		DATUM		DRILLER		LOGGER		
B-3		See Boring Location Plan		1350.32 ft.		C445.75		J. Lear		D. Perry		
WATER LEVEL OBSERVATIONS				TYPE OF SURFACE				DRILL RIG				
24 HOURS				Gravel Path				C445.75				
WHILE DRILLING		END OF DRILLING		AFTER DRILLING		AFTER DRILLING		DRILLING METHOD		TOTAL DEPTH		
N.E.		N.E.		Boring Plugged After Drilling		3.25-inch Inside Diameter Hollow Stem Auger		26.0 ft.				
SAMPLE DATA		SOIL DESCRIPTION				LABORATORY DATA						
DEP. FT.	SAMPLE NO. & TYPE	"N" BLOWS (FT)	% REC.	COLOR, CONSISTENCY, MOISTURE				USCS CLASS.	MC %	Dry Dens. pcf	q <sub>u</sub> ksf	ELEV. FT.
				GEOLOGIC DESCRIPTION & OTHER REMARKS								
	S-1	13		FILL (POORLY GRADED GRAVEL) - black, dry, loose to medium dense, medium grained gravel % Pass #200: 4.9				GP	3.6			
	S-2	6							8.5			
5	S-3	7		FAT CLAY - very dark grayish brown to olive brown, moist, medium stiff to stiff, rust stains, iron deposits, calcium deposits					26.6			1345.32
10	S-4	11							25.1			1340.32
15	S-5	8						CH	24.0			1335.32
20	S-6	38		SHALE - olive to pale olive, decomposed, soft rock, rust stains, calcium deposits, iron deposits								1330.32
25	S-7	66		- highly weathered								1325.32
26.0	S-8	50/3"		SHALE - light to dark gray, moderately to slightly weathered, soft rock, rust stains, calcium deposits AUGER REFUSAL @ 26.0 FT. Bottom of Boring @ 26'								1320.32
30												1315.32
35												1310.32
40												1305.32



PROJECT: Redbud Trail Bridges  
 LOCATION: Wichita, Kansas  
 JOB NO.: 1873071  
 DATE: June 21, 2018

BORING LOG No. B-4												
BORING NO.		LOCATION OF BORING		ELEVATION		DATUM		DRILLER		LOGGER		
B-4		See Boring Location Plan		1349.51 ft.		C445.75		J. Lear		D. Perry		
WATER LEVEL OBSERVATIONS				TYPE OF SURFACE				DRILL RIG				
24 HOURS				Gravel Path				C445.75				
WHILE DRILLING		END OF DRILLING		AFTER DRILLING		AFTER DRILLING		DRILLING METHOD		TOTAL DEPTH		
12.0 ft.		20.0 ft.		Boring Plugged After Drilling		3.25-inch Inside Diameter Hollow Stem Auger		50.0 ft.				
SAMPLE DATA		SOIL DESCRIPTION				LABORATORY DATA						
DEP. FT.	SAMPLE NO. & TYPE	"N" BLOWS (FT)	% REC.	COLOR, CONSISTENCY, MOISTURE				USCS CLASS.	MC %	Dry Dens. pcf	q <sub>u</sub> ksf	ELEV. FT.
				GEOLOGIC DESCRIPTION & OTHER REMARKS								
	S-1	13		FILL (POORLY GRADED GRAVEL) - very dark gray brown to dark olive brown, slightly moist, medium dense, medium grained gravel, rust stains				GP	9.0			
	S-2	8		SHALE - pale olive, decomposed, very soft to soft, rust stains, calcium deposits LL=41; PL=18; PI=23					18.9			1344.51
5	S-3	12							13.1			1339.51
10	S-4	25		SHALE - dark reddish brown to olive, decomposed, soft rock, rust stains, iron deposits, calcium deposits					9.8			1334.51
15	S-5	28							19.3			1334.51
20	S-6	17										1329.51
25	S-7	50/4"		SHALE - light to dark gray, moderately weathered, soft rock, rust stains, iron deposits					23.5			1324.51
30	S-8	90/9"										1319.51
35	S-9	38		SHALE - very dark gray, moderately to slightly weathered, soft rock, rust stains					33.5			1314.51
40	S-10	50		SHALE - dark greenish gray to very dark gray, slightly weathered, soft rock, rust stains					38.5			1309.51



PROJECT: Redbud Trail Bridges  
 LOCATION: Wichita, Kansas  
 JOB NO.: 1873071  
 DATE: June 21, 2018

BORING LOG No. B-4												
BORING NO.		LOCATION OF BORING		ELEVATION		DATUM		DRILLER		LOGGER		
B-4		See Boring Location Plan		1349.51 ft.		C445.75		J. Lear		D. Perry		
WATER LEVEL OBSERVATIONS				TYPE OF SURFACE				DRILL RIG				
24 HOURS				Gravel Path				C445.75				
WHILE DRILLING		END OF DRILLING		AFTER DRILLING		AFTER DRILLING		DRILLING METHOD		TOTAL DEPTH		
12.0 ft.		20.0 ft.		Boring Plugged After Drilling		3.25-inch Inside Diameter Hollow Stem Auger		50.0 ft.				
SAMPLE DATA		SOIL DESCRIPTION				LABORATORY DATA						
DEP. FT.	SAMPLE NO. & TYPE	"N" BLOWS (FT)	% REC.	COLOR, CONSISTENCY, MOISTURE				USCS CLASS.	MC %	Dry Dens. pcf	q <sub>u</sub> ksf	ELEV. FT.
				GEOLOGIC DESCRIPTION & OTHER REMARKS								
45	S-11	50/0"		SHALE - brown to gray, unweathered, moderately hard to soft rock								1304.51
50	S-12	32		Bottom of Boring @ 50'								1299.51
55												1294.51
60												1289.51
65												1284.51
70												1279.51
75												1274.51
80												1269.51



PROJECT: Redbud Trail Bridges  
 LOCATION: Wichita, Kansas  
 JOB NO.: 1873071  
 DATE: June 21, 2018

REDBUD BIKE PATH EAST  
 K-96 TO 159TH STREET  
 ENGINEERING GEOLOGY  
 CITY OF WICHITA, KANSAS  
 CARY JANZEN, P.E. - CITY ENGINEER  
 C.O.W. Project #472-65360, O.C.A. #107125

POE & ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 544 West Douglas Avenue  
 Wichita, KS 67203  
 Phone 316/685-4114 FAX 316/685-4444

FINAL  
 Engineer: T. EVANS  
 Designer: J. UNRUH  
 Dwg: P:\02127 Redbud Wichita\DWG\02127-BAS-01 grade.dwg  
 Pore Job No.: 102127  
 Date: APRIL 2018

No. 1  
 By Approved  
 Date  
 Revision

Sheet 222 of 72