STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

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Date 5/28/09

ROUTE IL 164 DESCRIPTION Bridge Over Smith Creek

SECT. (116-C)BR-1 STRUCT. NO. 036-0070 DRILLED BY B. Williamson

COUNTY Henderson LOCATION Rozetta Township S. 19 , TWP. 11N , RNG. 4W

Boring No. B-1 W. Abutment
Station 149+93
Offset 14.00ft RT
Surface Elev. 576.50 ft

Surface Water Elev.
Groundwater Elev.:
when drilling 563.5
at Completion 561.5
after Hrs. 561.5

DEPTH	BLOWS	Qu tsf	W %	Stratum
				Bituminous Pavement
575.70				
	4	B	19.4	Stiff to medium stiff brown SILTY LOAM, moist
	4	1.80		
	2			
	2	B	21.5	
	2	0.72		
-5	2			
570.50				
	2	B	25.7	Medium stiff to soft dark brown SILTY LOAM, moist to very moist
	2	0.60		
	4			
	0	B	29.2	
	1	0.33		
-10	2			
565.50				
	3			Very loose to loose brown-gray fine to medium SAND, moist to saturated
	2			
	1			
	3			
	4			
-15	5			
560.50				
	3	B	19.6	Very stiff gray SILTY LOAM, moist
	4	2.21		
	5			
	3	B	17.1	
	3	2.13		
556.50 -20	3			
				Hard to very stiff brown-gray SILTY LOAM, moist
	3	B	12.1	
	6	5.33		
	10			
	7	B	14.9	
	11	3.03		
-25	13			

DEPTH	BLOWS	Qu tsf	W %	Stratum
551.00				
				Very stiff to stiff gray SILTY LOAM, moist
	5	B	16.2	
	6	2.26		
	7			
	4	B	20.8	
	6	2.25		
-30	7			
	3	B	18.9	
	3	2.26		
-35	5			
	4	P	23.3	
	7	1.5		
-40	6			
	2	B	21.7	
	3	1.80		
-45	4			
	1	B	19.1	
	3	1.53		
-50	5			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations. Depths. Offset. and Elevations are in Feet

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STRUCTURE NO. 036-0070
ROUTE IL 164
SECTION (116-C)BR-1
COUNTY Henderson

Boring No. B-1 W. Abutment
Station 149+93
Offset 14.00ft RT
Elevation 526.50 ft

DEPTH	BLOWS	Qu tsf	W %	Stratum
				Stiff to very stiff gray SILTY LOAM, moist
	3	P	19.4	
	3	1.5		
-55	4			
	2	B	22.6	
	3	1.74		
-60	5			
	3	B	25.7	
	3	2.10		
-65	6			
	2	B	23.5	
	4	2.13		
-70	6			
	2	B	22.1	
	2	2.10		
-75	4			

Elevation 501.50 ft

DEPTH	BLOWS	Qu tsf	W %	Stratum
				Very stiff gray SILTY LOAM, moist
499.50				
				Medium dense gray fine SAND, saturated
	4			
	10			
-80	11			
494.50				
				Medium dense gray SILT, moist
	3		24.8	
	8			
-85	10			
489.50				
				Very stiff gray SILTY LOAM, moist
	4	P	26.1	
	10	3.0		
486.50 -90	9			
				End of Boring at 90.0'
-95				
-100				

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations. Depths. Offset. and Elevations are in Feet

MAURER ▲ STUTZ, INC.
ENGINEERS SURVEYORS

DESIGNED	BAS
CHECKED	KEF
DRAWN	SGM
CHECKED	BAS

SOIL BORINGS
STRUCTURE NO. 036-0070

SHEET NO. 20	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	657	(116-C)BR-1	HENDERSON	56	37
			CONTRACT NO. 68761		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		