

Illinois Department of Transportation
 Division of Highways
 Illinois Department of Transportation-2

SOIL BORING LOG

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 Date 0309

ROUTE FAS 226 DESCRIPTION 037-0048 P92-088-09 Bridge on US 6 over Mineral Creek, 1.2 m. E. of Green River Road LOGGED BY W. Garza

SECTION 3T & 3BR-1 LOCATION Edford Twp. - 20NW, SEC. TWP. 17N, R1G. 2E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 037-0048 D B U M Surface Water Elev. 88.5 ft D B U M
 Station 375+32 E L C O Stream Bed Elev. 88.5 ft P O S I
 BORING NO. B-1a H S O S Groundwater Elev.:
 Station 374+79 H S O S T W O S First Encounter
 Offset 9.00 ft CL H S O S T W O S Upon Completion
 Ground Surface Elev. 611.2 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

Soil Description	Depth (ft)	Moisture (%)	Plasticity (%)	Strength (psi)	Soil Description	Depth (ft)	Moisture (%)	Plasticity (%)	Strength (psi)
10" Asphalt, 8" Concrete	0.0				VERY SOFT grey SILTY LOAM	2	0.2	30	
MEDIUM brown SILTY CLAY LOAM	0.5					3	0.2	30	
VERY SOFT brown LOAM	608.70	2	18		VERY STIFF light gray CLAY LOAM	1			
	607.20	3	0.2	18		3	2.5	32	
MEDIUM brown LOAM	604.70	1			STIFF gray CLAY LOAM SAND and COAL lons	1	1.9	38	
	602.20	3	0.5	18		2	0.8	21	
VERY STIFF dark gray SILTY CLAY LOAM	602.20	3	2.3	22	MEDIUM gray CLAY LOAM with GRAVEL	2	0.8	21	
VERY SOFT brown SILTY CLAY LOAM	599.70	4	0.2	30	HARD gray SHALEY CLAY	8	4.5	16	
SOFT dark gray CLAY LOAM	597.20	1	0.3	30	VERY DENSE gray SHALE	15			
MEDIUM light graytan CLAY LOAM with SILT lons	594.20	2	0.9	34	VERY DENSE gray SHALE	23			
LOOSE tan fine SAND	591.70	1			VERY DENSE gray SHALE	32			
		2				1007*			
		3							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1208). BBS, form 137 (Rev. 8-99)

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ROCK CORE LOG

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ROUTE FAS 226 DESCRIPTION 037-0048 P92-088-09 Bridge on US 6 over Mineral Creek, 1.2 m. E. of Green River Road LOGGED BY W. Garza

SECTION 3T & 3BR-1 LOCATION Edford Twp. - 20NW, SEC. TWP. 17N, R1G. 2E

COUNTY Henry CORING METHOD _____

STRUCT. NO. 037-0048 CORING BARREL TYPE & SIZE _____
 Station 375+32
 BORING NO. B-1a Core Diameter 2 in
 Station 374+79 Top of Rock Elev. 679.20 ft
 Offset 9.00 ft CL Begin Core Elev. 671.20 ft
 Ground Surface Elev. 611.2 ft

Rock Description	Depth (ft)	Strength (psi)	UCS (%)	UCS (min)
Shale: dark gray, dense, fissile, having a soapy luster. Too fissile to test.	1	90	27	9
Shale: As above, light gray and compact.	2	100	98	7.4
End of Boring	681.20			

Color pictures of the cores _____
 Cores will be stored for examination until _____
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938). BBS, form 138 (Rev. 8-99)

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SOIL BORING LOG

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ROUTE FAS 226 DESCRIPTION 037-0048 P92-088-00 Bridge on US 6 over Mineral Creek, 1.2 m. W. of Green River Road LOGGED BY W. Garza

SECTION 3T & 3BR-1 LOCATION Edford Twp. - 20NW, SEC. TWP. 17N, R1G. 2E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 037-0048 D B U M Surface Water Elev. 88.5 ft D B U M
 Station 375+32 E L C O Stream Bed Elev. 87.5 ft P O S I
 BORING NO. B-2a H S O S Groundwater Elev.:
 Station 375+32 H S O S T W O S First Encounter
 Offset 8.00 ft CL H S O S T W O S Upon Completion
 Ground Surface Elev. 609.4 ft (ft) (ft) (ft) (%) (ft) (ft) (ft) (%)

Soil Description	Depth (ft)	Moisture (%)	Plasticity (%)	Strength (psi)	Soil Description	Depth (ft)	Moisture (%)	Plasticity (%)	Strength (psi)
8" Asphalt, 8" Concrete	0.0				SOFT gray SILTY CLAY	2			
LOOSE brown SANDY LOAM	606.90	2			VERY SOFT gray SILTY LOAM	1	0.2	28	
	605.40	1	10			0			
	604.90	3				1	0.2	32	
STIFF dark gray SILTY CLAY LOAM	602.90	1	1.0	27	MEDIUM gray dirty SAND and medium GRAVEL	0			
	602.40	3	0.8	33		4			
MEDIUM gray SILTY LOAM	600.40	0			DENSE gray dirty SAND GRAVEL with COAL bottom 6"	25			
	599.90	2	0.8	33		20			
SOFT gray SILTY LOAM	597.90	1	0.4	28	VERY DENSE gray SHALE	11			
	597.40	3	0.3	21		30			
SOFT gray LOAM with SAND lons	595.40	0	0.3	21	VERY DENSE gray SHALE	24			
	594.90	1				36			
VERY LOOSE gray dirty SAND with LOAM lons	592.40	0			VERY DENSE gray SHALE	24			
	591.90	3			Auger Refusal at 37'	36			
VERY SOFT gray LOAM with ORGANICS	590.40	0	0.2	125	End of Boring	68			
		2				1007*			
		0							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1208). BBS, form 137 (Rev. 8-99)