

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 11/4/02

ROUTE FAS 1707 (US 40) DESCRIPTION Mill Creek LOGGED BY DWP  
SECTION BX-B LOCATION SW, SEC. 6, TWP. 10 N, RNG. 14 W, 3 PM  
COUNTY Clark DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D (ft)	B (/6")	U (tsf)	M (%)	Description	Elev.	D (ft)	B (/6")	U (tsf)	M (%)
012-0020 3185+79.61	3 East Abut 3186+67 6.00ft Lt 549.70					Brown Sandy Clay Loam (Embankment)	549.70				
						Brown Sandy Clay Loam (Embankment) (continued)		2			
								4	1.2		15.7
								6	B		
						Gray Sandy Loam (Alluvium)	526.70				
								2			
								3			16.6
								-5	2		
						Gray Silty Loam (Alluvium)	523.70				
								1			
								2	0.5		19.1
								-25	2	B	
						Gray Dirty Coarse Sand (Alluvium)	521.70				
								1			
								2	0.6		27.4
								1	B		
						Gray Friable Micaceous Sandstone & Shale Mixed (Mattoon Formation)	517.70				
								1			
								2	0.8		12.3
								-10	2	S	
						Gray Sandy Clay Loam (Embankment)	536.70				
								0			
								3	0.8		8.5
								-15	2	B	
								0			
								2	0.8		10.8
								2	B		
						Brown Sandy Clay Loam (Embankment)	531.70				
								0			
								1	0.8		21.4
								-20	2	B	

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 T206)  
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 11/4/02

ROUTE FAS 1707 (US 40) DESCRIPTION Mill Creek LOGGED BY DWP  
SECTION BX-B LOCATION SW, SEC. 6, TWP. 10 N, RNG. 14 W, 3 PM  
COUNTY Clark DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D (ft)	B (/6")	U (tsf)	M (%)	Description	Elev.	D (ft)	B (/6")	U (tsf)	M (%)
012-0020 3185+79.61	4 West Abut 3184+47 5.40ft Lt 556.10					Brown Sand (Embankment)	556.10				
						Brown Sandy Clay Loam (Embankment) (continued)		2			
								4	1.2		15.7
								6	B		
						Gray Sandy Loam (Alluvium)	526.70				
								1			
								2	0.5		19.1
								-25	2	B	
						Gray Silty Loam (Alluvium)	523.70				
								1			
								2	0.6		27.4
								1	B		
						Gray Dirty Coarse Sand (Alluvium)	521.70				
								2			
								3			
								-30	2		
						Gray Friable Micaceous Sandstone & Shale Mixed (Mattoon Formation)	517.70				
								1			
								2	0.7		11.8
								-10	2	B	
						Gray Brown Medium to Fine Sand (Alluvium)	523.10				
								0			
								2	1.0		10.4
								2	B		
						Gray Sand Loam (Alluvium)	528.10				
								0			
								2	0.6		10.8
								-15	2	B	
						Dark Gray Shale & Gray Micaceous Sandstone (Mattoon Formation)	522.10				
								1			
								2	0.9		10.9
								3	B		
								1			
								2	0.7		12.3
								-20	3	B	

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 T206)  
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 11/4/02

ROUTE FAS 1707 (US 40) DESCRIPTION Mill Creek LOGGED BY DWP  
SECTION BX-B LOCATION SW, SEC. 6, TWP. 10 N, RNG. 14 W, 3 PM  
COUNTY Clark DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D (ft)	B (/6")	U (tsf)	M (%)	Description	Elev.	D (ft)	B (/6")	U (tsf)	M (%)
012-0020 3185+79.61	4 West Abut 3184+47 5.40ft Lt 556.10					Dark Gray Shale & Gray Micaceous Sandstone (Mattoon Formation) (continued)					
								2			
								3	1.3		10.6
								4	S		
								2			
								2	1.0		9
								-25	3	B	
						Gray Sandy Clay Loam (Alluvium)	531.10				
								1			
								3	1.0		13.9
								4	S		
						Gray Sand Loam (Alluvium)	528.10				
								2			
								4	1.7		16.2
								-30	5	B	
								0			
								2	1.0		10.4
								2	B		
						Gray Brown Medium to Fine Sand (Alluvium)	523.10				
								0			
								2	0.6		10.8
								-15	2	B	
						Dark Gray Shale & Gray Micaceous Sandstone (Mattoon Formation)	522.10				
								6			
								-35	6		
								1			
								2	0.9		10.9
								3	B		
								1			
								2	0.7		12.3
								-20	3	B	

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 T206)  
BBS, from 137 (Rev. 8-99)

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	SCD

**ie** consultants  
IE CONSULTANTS, INC  
6420 SOUTH SIXTH STREET  
SPRINGFIELD, ILLINOIS 62712  
TEL. (217) 529-8027  
FAX (217) 529-4543  
IESPRINGFIELD@IE-CONSULTANTS.COM  
WWW.IE-CONSULTANTS.COM

SOIL BORINGS  
STRUCTURE NO. 012-0073

SHEET NO. 28 OF 29 SHEETS	F.A.S. RTE. 1707	SECTION (BX-B)B-1	COUNTY CLARK	TOTAL SHEETS 44	SHEET NO. 37
	CONTRACT NO. 74169			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	