STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 332	47BR-2	VERMILION	68	41
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 22
23 SHEETS

Contract #70420

Illinois Department of Transportation
Division of Highways
Region 3 / District 5

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 331 (US 150IL Rt. 1) DESCRIPTION Little Vermilion River 0.3 Miles South of Georgetown Date 3/12/05 LOGGED BY CNA

SECTION (47BR-2) LOCATION SE, SEC. 6, TWP. 17N, RNG. 11W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-0041
Station 2522+92

BORING NO. 1 SE Exist. Abut.
Station 2521+50.5
Offset 18.4 ft Rt.
Ground Surface Elev. 621.6 ft

Surface Water Elev. 603.5 ft
Stream Bed Elev. 602.5 ft

Groundwater Elev.:
First Encounter 610.6 ft ▼
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Pavement	621.6				
	620.6				
Brown/Gray Sandy Clay Loam (Backfill)		1			
		2	0.8		20
		3	B		
(Hit Rock – No Sample)					
	613.6				
Brown Sand Loam (Alluvium)		2			
		3			14
		4			
	610.6 ▼				
Dark Gray to Brown Poorly Sorted Coarse Sand with Small Gravel		2			
		3			
		3			
		1			
		2			
		2			
		2			
		2			

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Dark Gray to Brown Poorly Sorted Coarse Sand with Small Gravel (continued)	600.6				
Gray/Green Slightly Micaceous Silty Shale (Bedrock)		2			
		3			11
		22			
		50–5"			
					12
		50–5"			
					11
		50–5"			
					11
		50–2"			7
					8
End of Boring	581.6				

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

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)

Illinois Department of Transportation
Division of Highways
Region 3 / District 5

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 331 (US 150IL Rt. 1) DESCRIPTION Little Vermilion River 0.3 Miles South of Georgetown Date 3/12/05 LOGGED BY CNA

SECTION (47BR-2) LOCATION SE, SEC. 6, TWP. 17N, RNG. 11W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-0041
Station 2522+92

BORING NO. 2 NE Exist. Abut.
Station 2524+22
Offset 17.8 ft Rt.
Ground Surface Elev. 628.0 ft

Surface Water Elev. 603.5 ft
Stream Bed Elev. 602.5 ft

Groundwater Elev.:
First Encounter 615.0 ft ▼
Upon Completion ___ ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Pavement	627.0				
Brown/Gray/Green Silty Clay Loam (Backfill)		2			
		3	1.9		20
		3	B		
	620.0				
Gray Slightly Organic Silt Loam to Silty Clay		0			
		1	0.6		28
		2	B		
	616.0				
Brown/Red Dirty Sand with Small Gravel	615.0 ▼				
Gray Slightly Organic Silt Loam to Silty Clay		0			
		0			25
	613.0	0			
Gray/Green Slightly Micaceous Weathered Shale (Bedrock)		3			
		4	2.2		15
		8	S		
		7			
		9			14
		11			

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray/Green Slightly Micaceous Weathered Shale (Bedrock) (continued)					
		7			
		11	4.8		10
		13	S		
		7			
		8	2.5		13
		10	S		
	602.5				
Dark Gray to Gray Slightly Micaceous Shale (Bedrock)		38			
	601.0	50–1"			11
Gray/Green Slightly Micaceous Silty Shale (Bedrock)					
		50–6"			
					8
		50–6"			
					10
		50–3"			
					8
		50–3"			
					11
End of Boring	588.0				

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

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)

Illinois Department of Transportation
Division of Highways
Region 3 / District 5

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 331 (US 150IL Rt. 1) DESCRIPTION Little Vermilion River 0.3 Miles South of Georgetown Date 3/12/05 LOGGED BY CNA

SECTION (47BR-2) LOCATION SE, SEC. 6, TWP. 17N, RNG. 11W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hand Auger HAMMER TYPE ___

STRUCT. NO. 092-0041
Station 2522+92

BORING NO. 3 Proposed Pier
Station 2523+07
Offset 30.0 ft Lt.
Ground Surface Elev. 602.5 ft

Surface Water Elev. 603.5 ft
Stream Bed Elev. 602.5 ft

Groundwater Elev.:
First Encounter 602.5 ft ▼
Upon Completion ___ ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown to Gray Coarse Sand & Gravel	601.5				
Gray/Green Slightly Weathered Micaceous Shale (Bedrock)	601.0				
End of Boring					

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

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)

BORING LOGS
F.A.P. RTE. 332 - SEC. 47BR-2
VERMILION COUNTY
STATION 2522+72.00
STRUCTURE NO. 092-0206