

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 332	47BR-2	VERMILION	68	42
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 23  
23 SHEETS

Contract #70420

**Illinois Department of Transportation**  
Division of Highways  
Region 3 District 5  
FAP 331

### SOIL BORING LOG

Page 1 of 1  
Date 3/17/05

ROUTE (US 160 IL Rt. 1) DESCRIPTION Little Vermilion River 0.3 Miles South of Georgetown 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. 4 Proposed Pier  
Station 2522+72  
Offset 35.0 ft Rt.  
Ground Surface Elev. 602.0 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (°F)	RESISTANCE (tsf)	PERCENT (%)
0	Brown to Gray Coarse Sand & Gravel				
601.0	Gray/Green Slightly Weathered Micaceous Shale (Bedrock)				
600.5	End of Boring				

Surface Water Elev. 603.5 ft  
Stream Bed Elev. 602.5 ft  
Groundwater Elev.:  
First Encounter 602.0 ft  
Upon Completion  
After Hrs.

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  
FAP 331

### SOIL BORING LOG

Page 1 of 2  
Date 3/17/05

ROUTE (US 160 IL Rt. 1) DESCRIPTION Little Vermilion River 0.3 Miles South of Georgetown LOGGED BY CNA

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

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-0041  
Station 2522+92

BORING NO. 3 NE Abut (Rock Core)  
Station 2524+24  
Offset 16.5 ft Rt.  
Ground Surface Elev. 628.0 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (°F)	RESISTANCE (tsf)	PERCENT (%)
628.0	Pavement				
626.0	Blue/Gray Silty Clay Loam (Backfill)				
621.0	Gray Silt to Silt Loam				
615.0	Gray/Green Slightly Micaceous Weathered Shale (Bedrock - Drilled Easy to Firm)				

Surface Water Elev. 603.5 ft  
Stream Bed Elev. 602.5 ft  
Groundwater Elev.:  
First Encounter 617.0 ft  
Upon Completion Wash Bored ft  
After Hrs.

(No Sample - Started Rock Core) 603.0 -25  
Borehole continued with rock coring.

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  
FAP 331

### ROCK CORE LOG

Page 2 of 2  
Date 3/17/05

ROUTE (US 160 IL Rt. 1) DESCRIPTION Little Vermilion River 0.3 Miles South of Georgetown LOGGED BY CNA

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

COUNTY Vermilion CORING METHOD Rotary Core With Water Flush

STRUCT. NO. 092-0041  
Station 2522+92

BORING NO. 3 NE Abut (Rock Core)  
Station 2524+24  
Offset 16.5 ft Rt.  
Ground Surface Elev. 628.0 ft

DEPTH (ft)	ROCK DESCRIPTION	DIAMETER (in)	ROCK ELEV. (ft)	ROCK CORE ELEV. (ft)	ROCK CORE LENGTH (ft)	ROCK CORE DIAMETER (in)	ROCK CORE WEIGHT (lb)	ROCK CORE STRENGTH (tsf)
603.0	Gray Massive Slightly Micaceous Shale	2	603.0	601.5	1.5	2		
68.0								
79.0								
92.0								
98.0								
100.0								
100.0								
96.0								
92.0								
92.0								
92.0								
92.0								
86.0								

Core Diameter 2 in  
Top of Rock Elev. 603.0 ft  
Begin Core Elev. 601.5 ft

(Core barrel stuck due to sand washing in from borehole above)

End of Boring  
Color pictures of the cores Yes  
Cores will be stored for examination until Job Completion  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

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