

Illinois Department of Transportation  
Division of Highways  
District 5 - Paris

## SOIL BORING LOG

Page 1 of 3  
Date 10/4/00

ROUTE F.A.P. 711 (US 136) DESCRIPTION Southend of East Pier LOGGED BY Kww  
SECTION 115(BY)BR LOCATION SW 1/4, SEC. 2, TWP. 21N, RNG. 13W, 2<sup>nd</sup> PM  
COUNTY VERMILION DRILLING METHOD Hollow Stem auger HAMMER TYPE Automatic

STRUCT. NO. 092-0063  
Station 236+24  
BORING NO. 1 East Pier  
Station 236+37  
Offset 42.00H FT  
Ground Surface Elev. 647.46 ft (ft) (/12") (tsf) (%)

Surface Water Elev. 17 ft  
Stream Bed Elev. 19 ft  
Groundwater Elev.:  
First Encounter 640.5 ft  
Upon Completion  
After Hrs.

D E P T H N C U T  
S P T H N C U T  
U C S I S  
M O I S T

Soil Description	Depth (ft)	SPT (blows)	UCS (tsf)	Moisture (%)
Gray Sandy Clay Loam Till (continued)				
Gray Sandy Clay Loam	18	5.8	9.7	
	642.46			
Brown Gray Sandy Clay Loam	3			
	639.46			
	8	3.3	10.8	
	10			
	9	2.8	11	
Gray Sandy Clay Loam Till	6	1.8	11.5	
	16			
	7	1.2	11.8	
	8	1.9	11.7	
	20			

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)

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Station 236+24  
BORING NO. 1 East Pier  
Station 236+37  
Offset 42.00H FT  
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Surface Water Elev. 17 ft  
Stream Bed Elev. 19 ft  
Groundwater Elev.:  
First Encounter 640.5 ft  
Upon Completion  
After Hrs.

D E P T H N C U T  
S P T H N C U T  
U C S I S  
M O I S T

Soil Description	Depth (ft)	SPT (blows)	UCS (tsf)	Moisture (%)
Gray Sandy Clay Loam Till (continued)				
	3	1.0	10.4	
	45			
	17	3.1	9.9	
	50			
	22	7.4	9.2	
	55			
	40	5.5	8.4	
End of Boring	687.86			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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## SOIL BORING LOG

Page 3 of 3  
Date 10/8/00

ROUTE F.A.P. 711 (US 136) DESCRIPTION Southend of West Abut. LOGGED BY Kww  
SECTION 115(BY)BR LOCATION SW 1/4, SEC. 2, TWP. 21N, RNG. 13W, 2<sup>nd</sup> PM  
COUNTY VERMILION DRILLING METHOD Hollow Stem auger HAMMER TYPE Automatic

STRUCT. NO. 092-0063  
Station 236+24  
BORING NO. 2 West Abut.  
Station 236+21  
Offset 17.00H FT  
Ground Surface Elev. 639.04 ft (ft) (/12") (tsf) (%)

Surface Water Elev. 17 ft  
Stream Bed Elev. 19 ft  
Groundwater Elev.:  
First Encounter 642.0 ft  
Upon Completion  
After Hrs.

D E P T H N C U T  
S P T H N C U T  
U C S I S  
M O I S T

Soil Description	Depth (ft)	SPT (blows)	UCS (tsf)	Moisture (%)
	17	7.8	5.8	
	28			
	16	9.0		
	38			
Brown Coarse Sandy Clay Loam Backfill	7			
	10.3			
	7			
	11.3			
	10			
	648.04			
Gray Sandy Clay Loam Till	9	1.9	11.4	
	30			
	7	1.0	30.8	
	10.3			
Black Silty Clay - to Silty Clay Loam	9	1.0	28.8	
	15			
	643.04			
Coarse Brown Sand to Sandy Gravel	6			
	641.04			
Fine Gray Sand	18			
	639.04			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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ILLINOIS DEPARTMENT OF TRANSPORTATION	
SHEET TITLE	
BORING LOGS	
PROJECT US RTE 136 OVER BLUEGRASS CREEK FAP ROUTE 711 SECTION 115(BY)BR VERMILION COUNTY STATION 236+24.70 STRUCTURE NUMBER 092-0200	PROJECT NO. 01054 SCALE DATE 05/18/04 DRAWN BY CFC/TFG CHECKED BY KPS/CME/MCB DRAWING NO.
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	26 OF 28 SHTS