

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAP 869	(101VB) B-1	FRANKLIN	48	48
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

Contract No. 98821

Illinois Department of Transportation SOIL BORING LOG Page 1 of 2
Date 4/21/03

ROUTE FAP 869 DESCRIPTION F.A.P. 869 (IL 34) over ICG RR LOGGED BY Bryan Keller

SECTION 101VB LOCATION 1 mi. W Hanaford, SEC. 26, TWP. 6S, RNG. 3E, 3 PM

COUNTY Franklin DRILLING METHOD HAMMER TYPE

STRUCT. NO. 028-0046
Station 176+73.87

BORING NO. 1-S
Station 176+24
Offset 14.00ft Lt
Ground Surface Elev. 441.8 ft

DEPTH (ft)	DRILLING METHOD	SOIL DESCRIPTION	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Time (hrs)
0		Bituminous Shoulder over Crushed Aggregate and Cinders							
439.8	WH	Soft to medium, very moist, brown, Silty Clay A7-6							
437.3	1	Very stiff, moist, brown, Silty Clay A7-6							
432.3	1	Hard, moist, brown, Silty Clay A7-6							
427.3	1	Stiff, moist, brown, Silty Clay A-6 with some Pea Gravel							
422.3	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 T208)

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DEPTH (ft)	DRILLING METHOD	SOIL DESCRIPTION	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Time (hrs)
398.8	45	Cored from 40.0 ft to 45.0 ft Hard, dry, grey Clay Shale 100% Recovery 23% RGD							
391.8	50	Bottom of hole=50.0 ft. No free water observed. Elevation referenced to Sta 176+54 top of W slope wall Elev=438.7 ft. To convert "N" values to "N60" values, multiply by 1.25.							

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SECTION 101VB LOCATION 1 mi. W Hanaford, SEC. 26, TWP. 6S, RNG. 3E, 3 PM

COUNTY Franklin DRILLING METHOD HAMMER TYPE

STRUCT. NO. 028-0046
Station 176+73.87

BORING NO. 2-S
Station 177+99
Offset 14.00ft Lt
Ground Surface Elev. 442.4 ft

DEPTH (ft)	DRILLING METHOD	SOIL DESCRIPTION	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Time (hrs)
440.4	1	Crushed Aggregate and Cinders							
437.9	WH	Stiff, moist, brown, Silty Clay A-6							
436.4	1	Medium, very moist, brown, Silty Clay A-6							
430.4	2	Stiff, very moist, brown, Silty Clay A-6							
427.9	9	Medium, moist, brown, Silty Clay A-6 with Sandstone Gravel Layers							
425.4	1	Stiff to very stiff, moist, brown, Silty Clay A-6 with Sandstone Gravel Layers							
422.9	2	Hard, dry, brown, weathered Sandstone with Clay Shale Layers							
422.4	20	Hard, dry, grey Clay Shale							

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SECTION 101VB LOCATION 1 mi. W Hanaford, SEC. 26, TWP. 6S, RNG. 3E, 3 PM

COUNTY Franklin DRILLING METHOD HAMMER TYPE

STRUCT. NO. 028-0046
Station 176+73.87

BORING NO. 2-S
Station 177+99
Offset 14.00ft Lt
Ground Surface Elev. 442.4 ft

DEPTH (ft)	DRILLING METHOD	SOIL DESCRIPTION	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Time (hrs)
400.12		Hard, dry, grey, Clay Shale Cored from 20.0 ft to 25.0 ft. 70% Recovery 95% RGD							
417.4	25	Hard, dry, grey, Clay Shale Cored from 25.0 ft to 30.0 ft. 95% Recovery 95% RGD							
412.4	30	Hard, dry, grey, Clay Shale Cored from 30.0 ft to 35.0 ft. 100% Recovery 92% RGD							
407.4	35	Hard, dry, grey, Clay Shale Cored from 35.0 ft to 40.0 ft. 100% Recovery 85% RGD							

Bottom of hole=40.0 ft
Free water observed at 17.0 ft.
Elevation referenced to Top of East slope wall
Ei=437.5 ft at Sta 177+72
To convert "N" values to "N60" values, multiply by 1.25.

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SOIL BORING LOGS
F.A.P. RTE. 869 - SEC. (101VB)B-1
FRANKLIN COUNTY
STATION 177+17.38
STRUCTURE NO. 028-0077