



Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG Page 1 of 1
Date 6/19/03

ROUTE FAP 866 (IL 83) DESCRIPTION Retaining Wall n/o IL 132 LOGGED BY C. Goddard

SECTION 4N-1 LOCATION SW 1/4, SEC. 33, TWP. 46N, RNG. 10E, 3rd PM

COUNTY Lake DRILLING METHOD CME 750, 3.25" HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-1
Station 3+077
Offset 13.41m LI CL
Ground Surface Elev. 242.01 m

DEPTH (m)	DEPTH (ft)	UCS (kPa)	UCS (%)	MOISTURE (%)	DESCRIPTION
241.85				21	Bituminous Concrete 152mm
241.19	2				Black SILTY CLAY
240.43	3	144	23		Stiff Brown SILTY CLAY w/some fine sand
240.88	5	671	16		Hard Brown w/Gray Streaks SILTY CLAY w/trace coarse sand
239.27	10	680	15		Grades w/trace fine gravel
239.27	13				End of Boring

Surface Water Elev. _____ m
Stream Bed Elev. _____ m

Groundwater Elev.:
First Encounter 240.5 m
Upon Completion DRY m
After 4 Hrs. 240.9 m

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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SOIL BORING LOG Page 1 of 1
Date 6/19/03

ROUTE FAP 866 (IL 83) DESCRIPTION Retaining Wall n/o IL 132 LOGGED BY C. Goddard

SECTION 4N-1 LOCATION SW 1/4, SEC. 33, TWP. 46N, RNG. 10E, 3rd PM

COUNTY Lake DRILLING METHOD CME 750, 3.25" HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-2
Station 3+108
Offset 10.87m LI CL
Ground Surface Elev. 242.41 m

DEPTH (m)	DEPTH (ft)	UCS (kPa)	UCS (%)	MOISTURE (%)	DESCRIPTION
242.11				29	TOPSOIL 305mm
241.59	2	278	18		Brown and Black SILTY CLAY
240.88	3	699	15		Soft to Very Stiff Brown SILTY CLAY w/some coarse sand to fine gravel
239.67	7	768	15		Hard Brown SILTY CLAY w/trace fine gravel
239.67	9				End of Boring

Surface Water Elev. _____ m
Stream Bed Elev. _____ m

Groundwater Elev.:
First Encounter _____ m
Upon Completion DRY m
After _____ Hrs. _____ m

* Weight of Hammer (WOH) _____ m

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)

SHEET 54 OF 55

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	4N-1	LAKE	165	97
STA. 3 + 065		TO STA. 3 + 160		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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SOIL BORING LOG Page 1 of 1
Date 6/19/03

ROUTE FAP 866 (IL 83) DESCRIPTION Retaining Wall n/o IL 132 LOGGED BY C. Goddard

SECTION 4N-1 LOCATION SW 1/4, SEC. 33, TWP. 46N, RNG. 10E, 3rd PM

COUNTY Lake DRILLING METHOD CME 750, 3.25" HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-3
Station 3+142
Offset 10.06m LI CL
Ground Surface Elev. 242.73 m

DEPTH (m)	DEPTH (ft)	UCS (kPa)	UCS (%)	MOISTURE (%)	DESCRIPTION
242.40				25	TOPSOIL 330mm
241.85	1	29	23		Olive and Brown SILTY CLAY
241.38	3	632	16		Soft Brown LOAM w/trace fine gravel
239.92	8	680	15		Hard Brown SILTY CLAY w/trace coarse sand
239.92	11				End of Boring

Surface Water Elev. _____ m
Stream Bed Elev. _____ m

Groundwater Elev.:
First Encounter 241.2 m
Upon Completion DRY m
After _____ Hrs. _____ m

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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SOIL BORING LOG Page 1 of 1
Date 6/19/03

ROUTE FAP 866 (IL 83) DESCRIPTION Culvert Headwall n/o IL 132 LOGGED BY C. Goddard

SECTION 4N-1 LOCATION SW 1/4, SEC. 33, TWP. 46N, RNG. 10E, 3rd PM

COUNTY Lake DRILLING METHOD CME 750, 3.25" HSA HAMMER TYPE CME Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-4
Station 3+319
Offset 5.49m LI CL
Ground Surface Elev. 241.07 m

DEPTH (m)	DEPTH (ft)	UCS (kPa)	UCS (%)	MOISTURE (%)	DESCRIPTION
240.74				22	Bituminous Pavement 330mm
239.00	2	163	20		Stiff Brown and Black SILTY CLAY
234.06	2	283	15		Approx. 51mm thick Silt Seam @ about 6.9m
233.35	4	144	16		Stiff Gray SILTY LOAM
238.83	2	230	22		Stiff Gray SILTY CLAY
238.83	3	307	17		Thin Sand Seam @ about 8.5m
229.94	5	220	17		Grades w/trace fine gravel
229.94	7	182	15		Grades w/o Gray Streaks
229.94	8	201	23		Approx. 51mm thick Soft Layer @ about 11m
229.94	11				End of Boring
229.94	3	240	21		Very Stiff Brown SILTY LOAM
229.94	4	259	20		
229.94	6				

Surface Water Elev. 237.92 m
Stream Bed Elev. 237.83 m

Groundwater Elev.:
First Encounter _____ m
Upon Completion DRY m
After _____ Hrs. _____ m

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)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL 83 (MILWAUKEE AVENUE)
AT IL 132 (GRAND AVENUE)
SOIL BORINGS LOG
STA. 3+065 - STA. 3+160
S.N. 049-W030

SCALE: NONE
DATE: AUGUST, 2003
DRAWN BY: MVT
CHECKED BY: R.S.S.

Tue Jul 29 10:40:37 2003
c:\projects\structure\1132.m32 LV=1-63
DISTRICT ONE - DESIGN
PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266