FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
9296	65BR	MONROE	22	15

STA. TO STA.

EXISTING CONDITIONS:

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, Illinois Department of Transportation

Page 1 of 3 — Date 11/18/02

ROUTE FAU 9296 DESCRIPTION Old IL Route 3 over Hill Lake Creek LOGGED BY WLF & MEA

SECTION 65BR LOCATION , SEC. , TWP. 1S, RNG. 10W, 3 PM

COUNTY Monroe DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 067-0011, Station 26+34

BORING NO. 1 S Abut, Station 26+50, Offset 14.50ft LT, Ground Surface Elev. 418 ft

Surface Water Elev. ___ ft; Stream Bed Elev. ___ ft

Groundwater Elev.: First Encounter 406.5 ft ▼; Upon Completion ___ ft; After ___ Hrs. ___ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray LOAM				
		2		
		2	0.6	
		3	S/15	22
	-5	2		
		3	0.9	
		4	S/10	24
411.5				
Gray Silty Clay LOAM		2		
		2	0.5	
		3	S/16	26
	-10	2		
		3	0.6	
		3	S/15	27
	▼			
		0		
		0	0.3	
Sand Lens 404.5		0	S/10	28
Brown and Gray Silty Clay LOAM				
	-15	2		
		3	0.5	
402.0		4	S/15	29
Brown Clay LOAM 401.0				
		2		
Gray Silty CLAY		3	1.2	
		4	S/15	26
	-20	4		
Gray Silty CLAY (continued)		3	0.9	
		3	S/15	30
		4		
		4	1.1	
		4	S/10	29
	-25	2		
		3	1.2	
		3	S/10	30
		2		
		3	1.3	
		5	S/15	27
	-30	3		
		4	1.7	
		5	S/15	28
	-35	2		
		3	2.1	
		6	S/15	23
378.0	-40	4	1.3	24

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)

Illinois Department of Transportation — SOIL BORING LOG

Page 2 of 3 — Date 11/18/02

ROUTE FAU 9296 DESCRIPTION Old IL Route 3 over Hill Lake Creek LOGGED BY WLF & MEA

SECTION 65BR LOCATION , SEC. , TWP. 1S, RNG. 10W, 3 PM

COUNTY Monroe DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 067-0011, Station 26+34

BORING NO. 1 S Abut, Station 26+50, Offset 14.50ft LT, Ground Surface Elev. 418 ft

Surface Water Elev. ___ ft; Stream Bed Elev. ___ ft

Groundwater Elev.: First Encounter 406.5 ft ▼; Upon Completion ___ ft; After ___ Hrs. ___ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
		5	S/15	
Gray SILT		6	0.9	28
			S/15	
376.0				
Reddish Gray Silty CLAY				
	-45	5		
		8	2.2	
		10	S/10	28
	-50	5		
		7	2.5	
		12	P	27
	-55	5		
		8	2.1	
		9	S/15	27
	-60	3		
Reddish Gray Silty CLAY (continued)		5	2.1	
		5	S/15	29
353.0	-65	3	1.4	31
		29	S/15	
Limestone GRAVEL with Gray Sand		22		25
			NC	
	-70	10		
347.5		NP		28
Borehole continued with rock coring.				
	-75			
	-80			

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)

Illinois Department of Transportation — ROCK BORING LOG

Page 3 of 3 — Date 11/18/02

ROUTE FAU 9296 DESCRIPTION Old IL Route 3 over Hill Lake Creek LOGGED BY WLF & MEA

SECTION 65BR LOCATION , SEC. , TWP. 1S, RNG. 10W, 3 PM

COUNTY Monroe CORING METHOD Tri Cone Roller

STRUCT. NO. 067-0011, Station 26+34; CORING BARREL TYPE & SIZE ___

BORING NO. 1 S Abut, Station 26+50, Offset 14.50ft LT, Ground Surface Elev. 418 ft

Core Diameter ___ in; Top of Rock Elev. ___ ft; Begin Core Elev. 347.50 ft; 347.50

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
347.50 Gray LIMESTONE in Broken Layers and Some Voids					1	
					1	
					1	
					2	
	-75				2	
					3.5	
					1.5	
					2.5	
					4.5	
	-80				3.5	
337.00					0.5	
End of Boring and Rock Core						
	-85					
	-90					

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

BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation — SOIL BORING LOG

Page 1 of 3 — Date 11/21/02

ROUTE FAU 9296 DESCRIPTION Old IL Route 3 over Hill Lake Creek LOGGED BY Larry Ford

SECTION 65BR LOCATION , SEC. , TWP. 1S, RNG. 10W, 3 PM

COUNTY Monroe DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 067-0011, Station 26+34

BORING NO. 2 N Abut, Station 26+25, Offset 15.50ft RT, Ground Surface Elev. 418.4 ft

Surface Water Elev. ___ ft; Stream Bed Elev. ___ ft

Groundwater Elev.: First Encounter 405.9 ft ▼; Upon Completion ___ ft; After ___ Hrs. ___ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silt LOAM (Fill)				
		1		
		2	1.2	
		2	P	21
(with some Limestone Gravel)	-5	2		
		5	0.4	
		8	S/15	20
		2		
410.4		4		14
Brown Silt CLAY		4	NC	18
409.4			1.0	
Gray Sandy Clay LOAM	-10	1		
		2	0.6	
		2	S/10	25
406.9				
Brown Sandy Clay LOAM with Weathered Limestone Gravel 405.9 ▼		0.5		23
		1	NC	
Brown Silt LOAM (wet & saturated)		1		33
			NC	
403.4	-15	2		
		4		
Brown and Gray Silty CLAY		3	1.0	34
			S/15	
		2		
		3	0.9	
		2	S/15	31
	-20	2		
Brown and Gray Silty CLAY (continued)		3	1.1	
		3	S/15	27
		3		
		4	1.3	
		5	B	29
394.4				
Gray Silt Clay LOAM	-25	2		
		3	0.8	
		2	S/20	28
		4		
		4	0.5	
		6	S/15	28
389.4				
Gray Silty CLAY	-30	3		
		3	1.3	
		6	S/10	28
385.4				
Gray Silt Clay LOAM with some Gravel				
	-35	0		
		4		
		4	NC	24
380.4				
Gray Silty CLAY				
378.4	-40	2	0.9	28

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)

Illinois Department of Transportation — SOIL BORING LOG

Page 2 of 3 — Date 11/21/02

ROUTE FAU 9296 DESCRIPTION Old IL Route 3 over Hill Lake Creek LOGGED BY Larry Ford

SECTION 65BR LOCATION , SEC. , TWP. 1S, RNG. 10W, 3 PM

COUNTY Monroe DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 067-0011, Station 26+34

BORING NO. 2 N Abut, Station 26+25, Offset 15.50ft RT, Ground Surface Elev. 418.4 ft

Surface Water Elev. ___ ft; Stream Bed Elev. ___ ft

Groundwater Elev.: First Encounter 405.9 ft ▼; Upon Completion ___ ft; After ___ Hrs. ___ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
		3	S/15	
Reddish Gray Silty CLAY		5	1.4	23
			S/15	
	-45	7		
		8	2.0	
		8	P	29
	-50	3		
		5	1.7	
		6	S/15	28
	-55	3		
		6	1.8	
		6	S/10	28
358.9	-60	3		
Gray Silty CLAY (continued)		5	2.2	
		6	S/10	27
(with broken Limestone Gravel)	-65	6		
		8	3.1	
		10	S/10	25
351.9				
Drilled as weathered shelves of limestone				
	-70	50		
		NP		
345.4				
Borehole continued with rock coring.				
	-75			
	-80			

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)

Illinois Department of Transportation — ROCK BORING LOG

Page 3 of 3 — Date 11/21/02

ROUTE FAU 9296 DESCRIPTION Old IL Route 3 over Hill Lake Creek LOGGED BY Larry Ford

SECTION 65BR LOCATION , SEC. , TWP. 1S, RNG. 10W, 3 PM

COUNTY Monroe CORING METHOD Tri Cone Roller

STRUCT. NO. 067-0011, Station 26+34; CORING BARREL TYPE & SIZE ___

BORING NO. 2 N Abut, Station 26+25, Offset 15.50ft RT, Ground Surface Elev. 418.4 ft

Core Diameter ___ in; Top of Rock Elev. ___ ft; Begin Core Elev. 345.40 ft; 345.40

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
345.40 Gray LIMESTONE with some voids					1	
	-75				1	
					4	
					1	
					1	
					1	
	-80				1	
					3	
					2	
					2	
335.40						
End of Boring and Rock Core						
	-85					
	-90					

Color pictures of the cores ___
Cores will be stored for examination until ___
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 138 (Rev. 8-99)

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

FAU ROUTE 9296
SECTION 65BR
MONROE COUNTY

PLOT DATE: *DATE-TIME*

$$DATE$$ *DATE-TIME* *DGN-SPEC* *REF- *REF-