

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATION	SHEET NO.
F.A.P. 645	.	Marshall	71	39
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT

SHEET NO. 21
23 SHEETS

*(105BR)BR
Contract - 68479

Operator: dthebetting

Date: 8/26/2008

Filename: L:\Jobs\DOT BBS\9856 BBS Various\Various\9856.03\CADD_Struc\062-0072 4-18-08.dgn

Illinois Department of Transportation
Division of Highways
District - Materials

SOIL BORING LOG

Page 1 of 1
Date 11/29/06

ROUTE FAP 645 (IL 17) DESCRIPTION IL 17 over Senachwine Cr. 3.5mi. west of Sparland LOGGED BY JAR

SECTION 105 BR LOCATION SEC. TWP. RNG. _____
Latitude, Longitude

COUNTY MARSHALL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 062-0016 (EXIST)
Station 062-072 (PROP)

BORING NO. 1 (W. ABUT)
Station 334+96
Offset 15.00ft R
Ground Surface Elev. 652.96 ft (R) (6") (6") (6") (6")

SOIL TYPE	DEPTH (ft)	TEST	REMARKS
Shoulder Gravel w/SILTY CLAY LOAM	0-27	27	1" layer of harder drilling (possible limestone or cobble)
Brown, Dark Brown, Gray SILTY CLAY LOAM	27-46	46	Gray CLAY SHALE/SHALEY CLAY (continued)
	46-56	100@5'	
	56-66	100@4'	
	66-68	100@3'	End of Boring
	68-72	30	
	72-76	22	
	76-81	21	
	81-86	26	
	86-96	26	
Gray CLAY SHALE/SHALEY CLAY	96-100	12	

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)

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SOIL BORING LOG

Page 1 of 2
Date 11/29/06

ROUTE FAP 645 (IL 17) DESCRIPTION IL 17 over Senachwine Cr. 3.5mi. west of Sparland LOGGED BY JAR

SECTION 105 BR LOCATION SEC. TWP. RNG. _____
Latitude, Longitude

COUNTY MARSHALL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 062-0016 (EXIST)
Station 062-072 (PROP)

BORING NO. 2 (W. PIER)
Station 334+44
Offset 21.00ft L
Ground Surface Elev. 639.44 ft (R) (6") (6") (6") (6")

SOIL TYPE	DEPTH (ft)	TEST	REMARKS
Brown, Gray SILTY CLAY LOAM	0-27	27	
	27-36	36	
	36-47	100@4'	
Gray CLAY SHALE/SHALEY CLAY	47-56	10	
	56-64	9	
Borehole continued with rock coring.	64-100		

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)

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ROCK BORING LOG

Page 2 of 2
Date 11/29/06

ROUTE FAP 645 (IL 17) DESCRIPTION IL 17 over Senachwine Cr. 3.5mi. west of Sparland LOGGED BY JAR

SECTION 105 BR LOCATION SEC. TWP. RNG. _____
Latitude, Longitude

COUNTY MARSHALL CORING METHOD HSA & DUAL BARREL

STRUCT. NO. 062-0016 (EXIST)
Station 062-072 (PROP)

BORING NO. 2 (W. PIER)
Station 334+44
Offset 21.00ft L
Ground Surface Elev. 639.44 ft

SOIL TYPE	DEPTH (ft)	TEST	REMARKS	UCS (psi)
Gray CLAY SHALE	0-27.7	94	79	27.7
	27.7-38.3			38.3
	38.3-47.4			47.4
Gray SILTSTONE/SILTY SHALE	47.4-58.5			58.5
Gray CLAY SHALE	58.5-60.4			60.4
Gray SILTSTONE/SILTY SHALE	60.4-69.9			69.9
Gray CLAY SHALE	69.9-79			79
	79-80			80
	80-88.8			88.8
Gray CLAY	88.8-94			94
Gray SILTSTONE/SILTY SHALE	94-100			100
End of Boring	100-100			

Color pictures of the cores No
Cores will be stored for examination until Completion
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

SOIL BORINGS
IL ROUTE 17 OVER SENACHWINE CREEK
FAP ROUTE 645 - SECTION (105BR)BR
MARSHALL COUNTY
STATION 334+90.00
STRUCTURE NO. 062-0072