

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	XI-6-2 VB-2	WILLIAMSON	917	883
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #98950

SHEET NO. 50

51 SHEETS

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Date 1959

ROUTE FAI 57 DESCRIPTION bridge over railroad LOGGED BY
SECTION XI-6VB LOCATION in Marion, SEC., TWP. 9S, RNG. 2W, 3 PM
COUNTY Williamson DRILLING METHOD HAMMER TYPE

STRUCT. NO. 100-0086 Station 1516+58.56
BORING NO. 1 Station 1516+93 Offset 32.00ft Lt. G. Survey Ground Surface Elev. 434.9 ft

DEPTH (ft)	SOIL DESCRIPTION	UNCONF. COMP. STRENGTH (tsf)	PERCENT MOISTURE (%)	PLASTICITY INDEX (%)	WATER CONTENT (%)	LIQUID LIMIT (%)	SHRINKAGE (%)
0-12	Stiff mottled silty clay				2.78		
3		1.64					
12					2.68		
41.00	Very stiff blue silty sandy clay (continued)						
4	Hard blue silty sandy clay				4.09		
4		1.96					
428.00	Very stiff mottled silty clay						
7		3.42					
423.50	Hard mottled stony clay						
8		3.84					
421.00	Very stiff mottled sandy clay						
10		4.25					
416.00	Very stiff blue silty sandy clay						
11		3.76					
13		2.94					
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 T208)
BBS, form 137 (Rev. 8-99)

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ROUTE FAI 57 DESCRIPTION bridge over railroad LOGGED BY
SECTION XI-6VB LOCATION in Marion, SEC., TWP. 9S, RNG. 2E, 3 PM
COUNTY Williamson DRILLING METHOD HAMMER TYPE

STRUCT. NO. 100-0086 Station 1516+58.56
BORING NO. 2 Station 1516+13 Offset 32.00ft Rt. G. Survey Ground Surface Elev. 435.6 ft

DEPTH (ft)	SOIL DESCRIPTION	UNCONF. COMP. STRENGTH (tsf)	PERCENT MOISTURE (%)	PLASTICITY INDEX (%)	WATER CONTENT (%)	LIQUID LIMIT (%)	SHRINKAGE (%)
0-4	Stiff brown mottled silty clay						
4		1.96					
431.50	Very stiff brown mottled stony clay (continued)						
5		2.45					
426.50	Hard brown mottled silty clay						
12		3.66					
426.50	Gray shale						
17		4.41					
18		4.40					
421.50	Very stiff brown mottled stony clay						
13		3.92					
10		3.10					
20							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Date 1959

ROUTE FAI 57 DESCRIPTION bridge over railroad LOGGED BY
SECTION XI-6VB LOCATION in Marion, SEC., TWP. 9S, RNG. 2E, 3 PM
COUNTY Williamson DRILLING METHOD HAMMER TYPE

STRUCT. NO. 100-0086 Station 1516+58.56
BORING NO. 3 Station 1516+85 Offset 32.00ft Rt. G. Survey Ground Surface Elev. 436.3 ft

DEPTH (ft)	SOIL DESCRIPTION	UNCONF. COMP. STRENGTH (tsf)	PERCENT MOISTURE (%)	PLASTICITY INDEX (%)	WATER CONTENT (%)	LIQUID LIMIT (%)	SHRINKAGE (%)
0-5	Very stiff brown mottled silty clay						
5		2.78					
425.00	Hard brown mottled stony clay (continued)						
6		3.19					
409.60	Gray shale						
6		2.94					
425.00	Very stiff brown mottled silty stony clay						
10		2.70					
425.00	Very stiff brown mottled silty stony clay						
6		3.27					
425.00	Very stiff brown mottled silty stony clay						
7		3.00					
417.50	Hard brown mottled stony clay						
10		3.27					
20							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ROUTE FAI 57 DESCRIPTION bridge over railroad LOGGED BY
SECTION XI-6VB LOCATION in Marion, SEC., TWP. 9S, RNG. 2E, 3 PM
COUNTY Williamson DRILLING METHOD HAMMER TYPE

STRUCT. NO. 100-0086 Station 1516+58.56
BORING NO. 4 Station 1517+26 Offset 32.00ft Rt. G. Survey Ground Surface Elev. 437.6 ft

DEPTH (ft)	SOIL DESCRIPTION	UNCONF. COMP. STRENGTH (tsf)	PERCENT MOISTURE (%)	PLASTICITY INDEX (%)	WATER CONTENT (%)	LIQUID LIMIT (%)	SHRINKAGE (%)
0-10	Stiff yellow loessial silty clay						
10							
436.00	Stiff mottled clay till						
7		1.97					
411.00	Hard gray mottled stony clay till						
7		1.93					
428.50	Very stiff mottled clay till						
18		2.94					
405.50	Gray shale						
12		2.36					
423.50	Very stiff mottled sandy clay till						
9		2.41					
10		3.23					
20							

Note: No stability problem

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)
BBS, form 137 (Rev. 8-99)

BORING LOGS
F.A.I. RT. 57 SEC. (X1-6-2)VB-2
WILLIAMSON COUNTY
STA. 1516+58.56
S.N. 100-0086 (N.B.)
S.N. 100-0087 (S.B.)