

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 315	55-2	McDONOUGH	1025	533
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

Contract # 68205

SHEET NO. 17
19 SHEETS

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 1 of 3
Date 3/30/04

ROUTE FAP 315 (IL 336) DESCRIPTION IL 336 Macomb to Carthage LOGGED BY KJT
SECTION 24.31.32 LOCATION SEC. TWP. RNG.
COUNTY McDonough DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. BNSF RR
Station
BORING NO. BB795 (BB95)
Station 1000+22
Offset 87.00ft 14
Ground Surface Elev. 689.26 ft (ft) (/6") (tsf) (%)

SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED SOIL CLASSIFICATION	UCS (tsf)	Failure Mode
Gray & Brown CLAY LOAM TILL (continued)	15	S						
Dk. Brown & Brown SILTY CLAY LOAM	2	B	1.0	31.0				
	4	B						
Gray & Brown SILTY CLAY LOAM	2	S	0.9	28.0				
	2	S						
	1							
	2	B	0.8	31.0				
	2	B						
Brown SILTY LOAM	20							
	51							
	490S							
Dk. Gray & Brown SANDY CLAY LOAM	1	B	0.3	27.0				
	2	B						
Gray & Brown CLAY LOAM TILL	2	S	1.5	20.0				
	4	S						
sondy/grovelly 14'-19'								
	2							
	2	B	1.0	20.0				
	3	B						
	3							
	7		4.4	12.0				

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
Division of Highways
SOIL BORING LOG
Page 2 of 3
Date 3/30/04

ROUTE FAP 315 (IL 336) DESCRIPTION IL 336 Macomb to Carthage LOGGED BY KJT
SECTION 24.31.32 LOCATION SEC. TWP. RNG.
COUNTY McDonough DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. BNSF RR
Station
BORING NO. BB795 (BB95)
Station 1000+22
Offset 87.00ft 14
Ground Surface Elev. 689.26 ft (ft) (/6") (tsf) (%)

SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED SOIL CLASSIFICATION	UCS (tsf)	Failure Mode
Brown & Gray CLAY LOAM TILL (continued)	25	S						
	6							
	12		4.8	11.0				
	16							
Gray to Dk. Gray SANDY CLAY LOAM (continued)	8	B	1.8	27.0				
	8	B						
Greenish-Gray CLAY LOAM TILL	6	S	3.7	20.0				
	7	S						
	8	B						
Gray Coarse SAND	11							
	13							
	28							
Gray & Brown CLAY LOAM TILL	4	S	2.4	27.0				
	4	S						
	5	S						
Gray to Dk. Gray SANDY CLAY LOAM	3	B	2.1	20.0				
	4	B						

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
Division of Highways
SOIL BORING LOG
Page 3 of 3
Date 3/30/04

ROUTE FAP 315 (IL 336) DESCRIPTION IL 336 Macomb to Carthage LOGGED BY KJT
SECTION 24.31.32 LOCATION SEC. TWP. RNG.
COUNTY McDonough DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. BNSF RR
Station
BORING NO. BB795 (BB95)
Station 1000+22
Offset 87.00ft 14
Ground Surface Elev. 689.26 ft (ft) (/6") (tsf) (%)

SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNIFIED SOIL CLASSIFICATION	UCS (tsf)	Failure Mode
Dk. Gray CLAY w/ trace organics (continued)	9	S						
	9	S						
Greenish-Gray SILTY CLAY LOAM (continued)	12	B						
	12	B						
Greenish-Gray SANDSTONE/SANDY SHALE	4	S	2.2	40.0				
	6	S						
	6	S						
Dk. Brown SILTY LOAM w/organics	5	S	1.4	42.0				
	8	S						
	10	S						
Gray SILTY LOAM	6	B	2.9	23.0				
	8	B						
	10	B						
Greenish-Gray SILTY CLAY LOAM	6	S	3.5	11.0				
	7	S						

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)

DESIGNED P.JL
CHECKED WDL
DRAWN MGM
CHECKED P.JL

BORING LOGS
BURLINGTON NORTHERN
SANTA FE RAILROAD OVER
IL. ROUTE 336
F.A.P. ROUTE 315 SECT. 55-2
McDONOUGH COUNTY
STATION 554+41.87
STRUCTURE NO. 055-9901
B.N.S.F. LINE SEGMENT 0011
B.N.S.F. BRIDGE NO. 206.04

STS CONSULTANTS
111 NE Jefferson Ave.
Peoria, Illinois 61602
Ph.(309)676-8464
FAX(309)676-5445
IL Design Firm Reg. No. 224-001522

817-205-8807.dgn 2/28/2006 11:36:26 AM