



SOIL BORING LOG

Date 09/15-16/05

ROUTE FAP 315 DESCRIPTION IL 336 Macomb Bypass (Northwest Corridor) - US 136 over IL 336 LOGGED BY SCI (YW)

SECTION 55-3 LOCATION Prop. West Abutment, NE 1/4, SEC. 4, TWP. 5 N, RNG. 3 W, 4th PM, Latitude 40° 26' 52.589557" N, Longitude 90° 44' 18.441548" W

COUNTY McDonough DRILLING METHOD CME 55 w/HSA HAMMER TYPE Automatic

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M		
055-0063	513+75.51 (US 136)	P	L	C	O	ft	ft	P	L	C	O		
BORING NO.	Station	T	O	S	I	ft	ft	H	S	Q	T		
B-603	512+67 (US 136)	H	S	Qu	T	ft	ft	S	S	Qu	T		
Offset	Ground Surface Elev.	H		S		ft		(ft)		(tsf)		(%)	
46.5 ft RT	690.50												
FILL: Gravel and brown silty clay												Gray CLAY, A-7 (continued)	
Brown and gray CLAY, A-7												689.5	
3												6	
4 3.0 P												8 NR	
4												16	
3												8	
3 NR												666.5	
3												6	
-5 4												7 2.5	
Brown SAND, A-1 w/gravel												666.0	
Gray CLAY, A-7 w/gravel												-25	
7 B												13	
684.5												Brown SILTY CLAY, A-7	
3												3	
3 1.5 B												7 3.6	
4												9 B	
3												13	
682.5												Brown and gray CLAY, A-7	
2												3	
2 1.3 B												9 3.5	
3												13	
-10												661.0	
Gray SILTY CLAY LOAM, A-4												-30	
7 B												13	
659.5												Brown and gray CLAY, A-7	
2												3	
3 1.7 B												5 2.0	
5												8 S	
2												19	
4 2.0 B												-35	
5												8	
-15												3	
674.0												w/gravel	
2												3	
1 0.5 P												7 3.5	
2												16	
673.5												650.5	
-20												-40	

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, form 137 (Rev. 8-99)



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BORING NO.	Station	T	O	S	I	ft	ft	H	S	Q	T		
B-603	512+67 (US 136)	H	S	Qu	T	ft	ft	S	S	Qu	T		
Offset	Ground Surface Elev.	H		S		ft		(ft)		(tsf)		(%)	
46.5 ft RT	690.50												
Brown and gray CLAY, A-7 w/gravel (continued)												Brown and gray CLAY, A-7 w/gravel (continued)	
630.5												626.5	
-60												626.0	
3												5	
7 3.4 B												10	
12												13	
-45												-65	
11 B												12	
3												4	
4 2.5 B												10	
20												12	
-50												-70	
7 B												9	
4												16	
6 2.5 B												18	
13												18	
-55												-75	
9 B												8	
4												15	
7 2.5 B												18	
13												14	
-60												-80	

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BORING NO.	Station	T	O	S	I	ft	ft	H	S	Q	T		
B-603	512+67 (US 136)	H	S	Qu	T	ft	ft	S	S	Qu	T		
Offset	Ground Surface Elev.	H		S		ft		(ft)		(tsf)		(%)	
46.5 ft RT	690.50												
Brown SAND, A-3 (continued)												Gray SHALE (continued)	
587.8												50/2"	
587.8												50/0"	
587.8												14	
587.8												50/2"	
587.8												50/0.5"	
587.8												16	
606.5												6	
606.2												9 3.4 B	
606.2												14	
-85												-105	
Brown and gray CLAY, A-7 w/gravel												Auger refusal at 102.7 ft. Boring terminated at 102.9 ft.	
Brown and gray SAND, A-3												**Hole Collapsed at 12.0 ft	
3												3	
4 7												10	
12												12	
-90												-110	
14												10	
3												15 NR	
7												21	
-96												-115	
10												8	
15												15	
21												14	
-96												-100	
593.5												50/5"	
Gray SHALE												50/1"	
4.5 P												14	
-100												-120	

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USER NAME = tcoady	DESIGNED - BAN	REVISED -
PLOT SCALE = NONE	CHECKED - JOH	REVISED -
PLOT DATE = 8/22/2011	DRAWN - TAC	REVISED -
	CHECKED - BAN	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	55-3HB	McDonough	103	63
CONTRACT NO. 68A40			ILLINOIS FED. AID PROJECT	