Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 2/15/2012
LOGGED BY RT
GSI JOB No. 10196

ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-003**
Station: 15947+65 Stuenkel Road
Offset: 17.0' Left
Ground Surface Elev. 754.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 748.4
Upon Completion 748.4
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clayey TOPSOIL–dark brown		AS	–	38
		2		*103*
SILTY CLAY–brown & gray–medium stiff (A–6)		3		
		4	0.8B	24
		3		*96*
SANDY CLAY LOAM–brown & gray–soft (A–6) Wet		3		
	–5	4	0.4B	27
		2		*116*
CLAY–gray–very soft to soft (A–6)		2		
		3	0.4B	17
		1		*112*
		2		
	–10	2	0.2B	19
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	–15			
	–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 2/16/2012
LOGGED BY RT
GSI JOB No. 10196

ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-004**
Station: 15950+56 Stuenkel Road
Offset: 23.1' Right
Ground Surface Elev. 754.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 748.7
Upon Completion 747.7
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	51
		4		*85*
SILTY CLAY–dark gray to black–stiff (A–6/A–7) Wet		5		
		6	1.1B	31
		2		*83*
SILTY CLAY–brown & gray–stiff (A–6) Wet		3		
	–5	4	1.25B	32
		2		
Clayey SAND & GRAVEL–brown & gray–loose (A–2)		3		
		3	NP	18
		3		
		3		
	–10	3	NP	17
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	–15			
	–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

12:29:26 PM
11/2/2012

TY·LIN INTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE =	CHECKED - JF	REVISED -
	PLOT DATE =	DATE - 9/19/2012	REVISED - 11/2/2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 (HARLEM AVENUE TO RIDGELAND AVENUE)
SOIL BORING LOGS

SCALE: N.T.S. | SHEET 2 OF 17 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2012-048R	WILL	206	194
		CONTRACT NO. 60V41		
		ILLINOIS FED. AID PROJECT		

P:\602612(I-57_@_Stuenkel)\Road\C_2(Interchange)\C2_Stuenkel_Boring02.dgn