

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amberl-Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838		SOIL BORING LOG				PAGE 1 of 2	
ROUTE <u>F.A.I. RTE. 57</u>		DESCRIPTION <u>I-57 at Stuenkel Road Interchange, Contract No. 60L69</u>				DATE <u>12/19/2011</u>	
SECTION <u>99-1HB-R-1</u>		LOCATION <u>SEC. 05 & 08, TWP. 34 N., RNG. 13 E., 3rd P.M., Monee Township</u>				LOGGED BY <u>RT</u>	
COUNTY <u>Will</u>		DRILLING METHOD <u>Hollow Stem Auger</u>		HAMMER TYPE <u>CME Automatic</u>		GSI JOB No. <u>10196</u>	
STRUCT. NO. <u>099-0526</u>		Surface Water Elev. <u>n/a</u>		DEPT H		B L O W S	
Station: <u>16030+55.78</u>		Stream Bed Elev. <u>n/a</u>		U C S		M O I S T	
BORING NO. <u>BR-03</u>		Groundwater Elevation:		Qu		%	
Station: <u>16031+51</u>		First Encounter <u>752.5 WD</u>		H S		Qu	
Offset: <u>61.4' Left</u>		Upon Completion <u>n/a</u>		Qu		%	
Ground Surface Elev. <u>758.0</u>		After _____ Hrs.		H S		Qu	
				(ft) (/6") (tsf) (%)		(ft) (/6") (tsf) (%)	
CRUSHED STONE		757.0		AS - 7			
CLAY LOAM—dark brown, gray & black—very stiff (A-6) Fill		755.0		CLAY TO CLAY LOAM—gray—stiff to hard (A-6)		735.0	
				2		10B	
				3		2.25B	
				3		14.1%	
SANDY CLAY with GRAVEL—dark brown & gray—medium stiff (A-6) Possible Fill		752.5		CLAYEY SAND & GRAVEL—gray—medium dense (A-2)		732.5	
				1		9B	
				2			
				-5		0.5B	
SILTY SAND—dark brown—loose (A-2) Possible Fill		750.0		CLAY LOAM—gray—very stiff (A-6)		730.0	
				2		11B	
				3		NP	
				3		2.0B	
CLAY LOAM—gray—stiff (A-6)		747.5		SILTY LOAM—gray—dense (A-4)		726.0	
				4		10B	
				5			
				-10		6	
				6		1.6B	
SILTY SAND & GRAVEL—gray—medium dense (A-2)		742.5		SILTY CLAY—gray—hard (A-6)		721.0	
				4			
				5		NP	
				5		NP	
				-15		6	
				6		NP	
				6		4.5+P	
CLAY TO CLAY LOAM—gray—stiff to hard (A-6)		721.0		SAND—gray—dense (A-3)		718.0	
				7		101	
				9			
				12		2.0B	
				18		110	
				20			
				-20		10	
				10		4.1B	
				16			
				-40		31	
				31		NP	
				22			

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

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COUNTY <u>Will</u>		DRILLING METHOD <u>3.25" Hollow Stem Auger</u>		HAMMER TYPE <u>CME Automatic</u>		GSI JOB No. <u>10196</u>	
STRUCT. NO. <u>099-0526</u>		Surface Water Elev. <u>n/a</u>		DEPT H		B L O W S	
Station: <u>16030+55.78</u>		Stream Bed Elev. <u>n/a</u>		U C S		M O I S T	
BORING NO. <u>BR-03</u>		Groundwater Elevation:		Qu		%	
Station: <u>16031+51</u>		First Encounter <u>752.5 WD</u>		H S		Qu	
Offset: <u>61.4' Left</u>		Upon Completion <u>n/a</u>		Qu		%	
Ground Surface Elev. <u>758.0</u>		After _____ Hrs.		H S		Qu	
				(ft) (/6") (tsf) (%)		(ft) (/6") (tsf) (%)	
SAND—gray—dense (A-3)		716.0		CLAY LOAM—gray—medium stiff to stiff (A-6)		691.0	
				9		11B	
				9		3	
				-45		10	
				10		3.5B	
				16		16	
CLAY LOAM—gray—medium stiff to stiff (A-6)		691.0		SILTY LOAM TO LOAM—gray—medium dense (A-4)		681.0	
				2		4	
				3		7	
				-50		3	
				3		2.0P	
				13		13	
				15		15	
				3		11B	
				4		15	
				-55		7	
				7		0.8B	
				15		15	
				18		18	
				25		25	
				-60		7	
				7		0.75P	
				13		13	
				80		32	
				NP		20	
				20		20	

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TYLIN INTERNATIONAL

USER NAME =	DESIGNED - PK	REVISED -
	CHECKED - SP	REVISED -
PLOT SCALE =	DRAWN - PK	REVISED -
PLOT DATE =	CHECKED - SP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 3
STRUCTURE NO. 099-0526

SHEET NO. 32 OF 35 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R	WILL	63	54
CONTRACT NO. 60T40				
ILLINOIS FED. AID PROJECT				