Division of Highways Illinois Department of Transportation						Date <u>8/3/</u>
ROUTE FAI 70 (I-70) DESCRIPTION					I LOGGED BY	E. Sandscho
SECTION (25-3)I-6 LOC	ATION	SE 1/4	SEC.	19, TWP. 8 N, RNG.	6 E, 3 PM	
COUNTY Effingham DRILLING	METHOD	Holl	ow ste	m auger & split spoo	n HAMMER TYPE	Auto 140#
STRUCT. NON/A	D B E L P O	U C S	. M 0	Surface Water Elev. Stream Bed Elev.	N/A ft	
BORING NO.         RW1           Station         2154+96           Offset         173.00ft Rt           Ground Surface Elev.         587.03         ft	T W H S (ft) (/6")	Qu (tsf)	S T (%)	Groundwater Elev.: First Encounter Upon Completion After <u>96</u> Hrs.	Dry ft 571.6 ft 573.0 ft	
Very dense, moist, gray, SANDY CLAY SHALE. Sample broken, unable to test. (continued)	50/3" 50/2")		12			
Very dense, moist, gray, SILTY CLAY SHALE. Sample broken, unable to test.  Borehole continued with rock coring.	-45 30		8			
		-	-			
	-55					

Illinois Departme of Transportatio Division of Highways linking Disportment of Transportation	ent n	ROCK	COF	RE LO	)G				of <u>3</u> 8/3/09
ROUTE FAI 70 (1-70) DESCRIPTION	Pede	strian Trail — F	Retaining W	all	L	OGGED	BY	E. Sand	schafer
SECTION (25-3)I-6 LO	CATION <u>SE 1/4,</u>	SEC. 19, TWP.	8 N, RNG.	6 E, 3 P	М		,		
COUNTY <u>Effingham</u> CORING M	ETHOD Rotary	, surf set diam	ond bit			R E	R	CORE	S T
STRUCT. NO.         N/A           Station         N/A           BORING NO.         RW1	CORING BARREL TYPE  Core Diameter Top of Rock Elev.	2.06 560.03	NW, conv split in in ft	dbl bbl, iner	D C E O P R	0 V E	Q . D	T I M E	R E N G
Station   2154+96	Begin Core Elev.	541.53	ft	541.53	T E H (ft) (#)		(%)	(min/ft)	T H (tsf)
ordy, signify wedniered, SANDI CLAI SHAL				541.53		80	- 4	1.5	
Rock core B1C1 from depth 49.0' to 49.5'	, Qu = 59 tsf.			-					
				-	-50				-
				_	BIC	2 95	64	0.9	
				-					**
Rock core B1C2 from depth 53.7' to 54.3'	, Qu = 31 tsf.			531.53	-55				
Extent of exptoration.				_	-				
				_	_				
Note: Stationing and offset based on Main	line 1-57/70 stationii	ng.		_					
					-				
				_	- 60				
				-					-
				-	-60				
				_					
					-				
				-	-65				
Color pictures of the same	lo on request						J	J	
Cores will be stored for examination until				(10T): 0	20.20				
The "Strength" column represents the union	xial compressive stre	ength of the co	re sample	(ASTM D-		BBS. fo	rm 13	3 (Rev. 8	00)

	Illinois Depa of Transport	rtmei	nt				Page <u>1</u> of	1
	of Transport  Of Transport  Of Highways  Hillinois Obportment of Transporte	ation	}			,	SOIL BORING LOG	9
	ROUTE FAI 70 (I-70) DESCRIP				Ped	estrian	<u>Trail - Retaining Wall</u> LOGGED BY <u>E. Sandschaf</u>	er
	SECTION (25-3)1-6	LOCA	ATION		SE 1/4	, SEC.	19, TWP. 8 N, RNG. 6 E, 3 PM	
	COUNTY <u>Effingham</u> DR	LLING M	ETHOD	)	Holl	ow ste	m auger & split spoon HAMMER TYPE Auto 140#	
	STRUCT. NO.         N/A           Station         N/A	_	D E P	B L O	U C S	M 0 -	Surface Water Elev.   N/A   ft   D   B   U   N/A   Stream Bed Elev.   N/A   ft   E   L   C   C   C   C   C   C   C   C   C	
	BORING NO.         RW2           Station         2154+45           Offset         240.00ft Rt	_	H	S	Qu	S T	Groundwater Elev.:     T   W   S   S   S   S   S   S   S   S   S	
	Ground Surface Elev. 584.55 Gray, SILTY LOAM.	ft	(ft) -	(/6")	(tsf)	(%)	After 72 Hrs. 576.1 ft (11) (76) (181) (77) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (181) (78) (78) (181) (78) (78) (78) (78) (78) (78) (78) (78	´
		•					LOAM TILL	
	Stiff, damp, red, SANDY CLAY.	582.55	$\dashv$	2	1.2	17	35 45 9.2	
				4	BS	. 17	50/5" S	
			_				560.05	
		-	-5	2 4 8	1.3 BS	19	Very dense, damp, gray, SANDY        25         21           CLAY LOAM TILL w/ few         31         1           Sandstone fragments.         558.75         50/4"	7
		577.55	4				broken, unable to test.  Extent of exploration.	
	Medium, damp, brown, SANDY LOAM.			3	0.7	14	Note: Stationing and offset based on Mainline 1–57/70 stationing.	
				4	В		on womine 1–37770 standing.	
28	Very dense, very damp, brown, fine grained, SAND. 12% passing #200 sieve.	575.05	-10	19		14		
Datum WGS 8	#200 3.010.	-	_	36				
min, Mop D	Hard, very moist, gray, CLAY LOAM TILL.	572.55	7	15 28	9.7	8		
07.354			4	37	В			
ude N 39 deg	Brown, wet, SANDY LOAM. Hard, damp, gray, CLAY LOAM TILL.	570.05 569.55	-15	32 50/5"	9.7	7		
min, Longitude	1 Habita			50/4"	_ B _/			
deg 34.025 m			7	15 43	8.1	7		
88				50/3"	_ S			
Lafitude W		564.55	-20	31			-40	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (8-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)

1			
FILE NAME =\D774299-0256010-shf045.dgn	USER NAME =	DESIGNED -	REVISED -
BERNARDIN LOCHMUELLER & ASSOCIATES, INC.	Illinois Design Firm Number 184.001670	CHECKED -	REVISED ~
3 OAK DRIVE MARYVILLE, ILLINOIS 62062	PLOT SCALE =	DRAWN - WJS	REVISED -
PHONE (618) 288-4665 FAX (618) 288-4665	PLOT DATE = 7:50:20 AM 5/6/2011	CHECKED - CJF	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS	F.A.I. RTE.	SE
STRUCTURE NUMBER 025-6010	57/70	(2
SINUCIONE NUMBER 023-0010		SN 025
SHEET NO. 45 OF 46 SHEETS	EED BO	ON TRIC OAC