Illinois Depar of Transporta Division of Highways Illinois Department of Transportatio	n			-	IL BORING LOG		Date	3/2	<u>:8/C</u>
ROUTE FAI 57/70 DESCRIPTI	ои_			I-5	7/70 over US 45 LO	GGED E	Y <u>E.</u>	Sandso	<u>cha</u>
SECTION(25-4,3)R L	OCAT	ION_	N 1/2,	SEC.	16, TWP. 8 N, RNG. 6 E, 3 PM				_
COUNTY Effingham DRILLI	NG ME	THO	Hol	low st	em auger & split spoon HAMMER TY	PE	Auto	140#	_
STRUCT. NO. (EX) 025-0013/0014 Station 2294+12.22  BORING NO. 3	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. N/A ft Stream Bed Elev. N/A ft Groundwater Elev.:	E P T	B L O W s	U C S	1
Station         2294+64           Offset         83.00ft Lt           Ground Surface Elev.         591.14		_	(tsf)	(%)	First Encounter			(tsf)	(
Very dense, wet, gray, SANDY LOAM w/ sand & gravel.	_	29 36		12	Hard, damp, gray, CLAY TILL. (continued) 53	0.34	38 50/5"	8.7 B	1
(continued)	_				Gray, damp, very fine grained, SAND. 7% passing #200 sieve.	_			
	_					_	1		
	_					_	1		
546.6 Very stiff, damp, gray, SANDY	-45	44				-65			
LOAM.		50/3"  50/2"		22			-		
	_					-	1		
	_					_	1		
	_					_	}		
	-50	34			Very stiff, damp, gray, CLAY	1.64			
	_	47 50/4"	2.3 S	11	LOAM TILL.	_	27 26	2.9 B	1
	_					_	1		
	_					_			
	_					_			
	-55					-75			
	_					_	1		
	_					_	1		
	_					_	1		
531.6						_	1		
Hard, damp, gray, CLAY TILL.	-60	20				-80	7		

of Transport  Division of Highways Illinois Department of Transporta		•			OIL BORING LOG	Date3/28/0
ROUTEFAI 57/70 DESCRIP	гюм_			I-5	7/70 over US 45 LOGGED	BY E. Sandschaf
<b>SECTION</b> (25-4,3)R	LOCAT	ION_	N 1/2,	SEC.	16, <b>TWP</b> . 8 N, <b>RNG</b> . 6 E, 3 <b>PM</b>	
COUNTY Effingham DRILL	ING MI	THO	Hol	low st	em auger & split spoon HAMMER TYPE	Auto 140#
STRUCT. NO. (EX) 025-0013/0014 Station 2294+12.22	P	B L O	U C S	M 0 1	Surface Water Elev. N/A ft Stream Bed Elev. N/A ft	
BORING NO.         3           Station         2294+64           Offset         83.00ft Lt	H H	S	Qu	S T	Groundwater Elev.:  First Encounter 555.6 ft Upon Completion Washed ft	
Ground Surface Elev. 591.14  Very stiff, damp, gray, CLAY	ft (ft)	(/6")	(tsf) 2.9	(%) 15	After 18 Hrs. 573.1 ft	
LOAM TILL. (continued)	_	17	В			
	_	1				
	_	1				
	_					
	-85	1				
	-85					
	_	1				
	-	1				
		1				
501	.64	1				
Hard, damp, gray, CLAY TILL.	-90	8 17	4.5	16		
	_	27	В			
	_	1				
	_	1				
	_	1				
		+				
	-95	1				
		1				
	_	+				
	_	1				
492	.64	1				
Very dense, gray, cemented SANDSTONE. 492		50/1"  50/0"				
Borehole continued with rock		50/0"				

STRUCT, NO.   (EX) 025-0013/0014   CORING METHOD   Rotary, surface set diamond bit   STRUCT, NO.   (EX) 025-0013/0014   CORING BARREL TYPE & SIZE   SIZE	C25-4,3 R	Illinois Department of Transportation ROCK CO						ate3	
COUNTY Effingham CORING METHOD Rotary, surface set diamond bit  STRUCT. NO. (EX) 025-0013/0014 Station 2294+12.22  Core Diameter 2.06 in Fig. 1	CORING METHOD   Rotary, surface set diamond bit   NW, conv dbl bbl,   NW, conv dbl bbl,   Split inner   D   C   Q   I   E   O   V   M   N   N   O   O   O   I   E   O   V   M   N   N   O   O   O   I   E   O   V   M   N   N   O   O   O   I   E   O   V   M   N   N   O   O   O   I   E   O   V   M   N   N   O   O   O   O   I   E   O   V   M   N   N   O   O   O   O   O   O   O   O	ROUTE         FAI 57/70         DESCRIPTION         I-57/70 over US 45			_ L0	GGE	D BY	E. Sand	schat
STRUCT. NO.   (EX) 025-0013/0014   CORING BARREL TYPE & SIZE   Split inner   D   C   C   C   C   C   C   C   C   C	Total   State   Section   State   Section   State	SECTION(25-4,3)R LOCATION _N 1/2, SEC. 16, TWP. 8 N, RNG	6.6 E, 3 <b>P</b>	M				_	
BORING NO. 3 Station 2294+64 Offset 83.00ft Lt Ground Surface Elev. 591.14 Gray, cemented SANDSTONE.  Rock core B3A depth 100.85' to 101.90' Qu = 1191 tsf  Gray, slightly weathered, SANDSTONE.  Rock core B3B depth 107.91' to 108.60' Qu = 367 tsf  Extent of exploration.  Benchmarks:  BH 1 T	3294+64 Bgin Core Elev. 492.54 ft T H E R . T H H (ft) (#) (%) (min/ft) (tsi ANDSTONE. 492.54 B1-1 100 98 1 pth 100.85' to 101.90' Qu = 1191 tsf B1-2 100 68 0.9 pth 107.91' to 108.60' Qu = 367 tsf and the second of the second	STRUCT. NO.   (EX) 025-0013/0014   CORING BARREL TYPE & SIZE   Split is	v dbl bbl,	E	0	E C O V	Q Q	T I M	T R E N
Gray, cemented SANDSTONE.  492.54 B1-1 100 98 1  Rock core B3A depth 100.85' to 101.90' Qu = 1191 tsf  Gray, slightly weathered, SANDSTONE.  B1-2 100 68 0.9  Rock core B3B depth 107.91' to 108.60' Qu = 367 tsf  Extent of exploration.  Benchmarks:  BM 44 Brass disk on SW corner of existing SB/WB structure 025-00140, Station	ANDSTONE.  492.54  B1-1 100 98 1  pth 100.85' to 101.90' Qu = 1191 tsf  hered, SANDSTONE.  487.54  B1-2 100 68 0.9  pth 107.91' to 108.60' Qu = 367 tsf  on.  on SW corner of existing SB/WB structure 025-00140, Station	Station 2294+64 Begin Core Elev. 492.54 It		T H	E	R Y			T H
Rock core B3A depth 100.85' to 101.90' Qu = 1191 tsf  Gray, slightly weathered, SANDSTONE.  B1-2 100 68 0.9  Rock core B3B depth 107.91' to 108.60' Qu = 367 tsf  Extent of exploration.  Benchmarks:  BM 44 Brass disk on SW corner of existing SB/WB structure 025-00140, Station	pth 100.85' to 101.90' Qu = 1191 tsf	Ground Surface Elev. 591.14 ft		` ′					(ts
Gray, slightly weathered, SANDSTONE.  B1-2 100 68 0.9  Rock core B3B depth 107.91' to 108.60' Qu = 367 tsf  Extent of exploration.  Benchmarks:  BM 44 Brass disk on SW corner of existing SB/WB structure 025-00140, Station	hered, SANDSTONE.  B1-2 100 68 0.9  pth 107.91' to 108.60' Qu = 367 tsf on.  and the state of th	Gray, cemented SANDSTONE.	492.54	_	B1-1	100	98	1	
Rock core B3B depth 107.91' to 108.60' Qu = 367 tsf  Extent of exploration.  Benchmarks:  BM 44 Brass disk on SW corner of existing SB/WB structure 025-00140, Station	pth 107.91' to 108.60' Qu = 367 tsf on.	Rock core B3A depth 100.85' to 101.90' Qu = 1191 tsf		_					
Rock core B3B depth 107.91' to 108.60' Qu = 367 tsf	pth 107.91' to 108.60' Qu = 367 tsf  on.	Grav slightly weathered SANDSTONE	487.54	. –	B1-2	100	68	0.9	
Extent of exploration.  Benchmarks:  BM 44 Brass disk on SW corner of existing SB/WB structure 025-00140, Station	on. 482.54			_		,,,,		0.0	
Extent of exploration.  Benchmarks:  BM 44 Brass disk on SW corner of existing SB/WB structure 025-00140, Station	on. 482.54								
Extent of exploration.  Benchmarks:  BM 44 Brass disk on SW corner of existing SB/WB structure 025-00140, Station	on	Rock core B3B depth 107.91' to 108.60' Qu = 367 tsf	482 54	_					
Benchmarks:  BM 44 Brass disk on SW corner of existing SB/WB structure 025-00140, Station	on SW corner of existing SB/WB structure 025-00140, Station	Extent of exploration.	-102.04	_					
		Benchmarks:		-110					
BM 45 Brass Disk on NE corner of existing NB/EB structure 025-0013, Station 2295+26, 7.2' Lt = 628.57' elevation.  BM "LIN 14" Chiseled square in concrete median on US 45 Station 48+55, centerline = 592.07' elevation.	on NE corner of existing NB/EB structure 025-0013, Station 628.57' elevation.  eled square in concrete median on US 45 Station 48+55, centerline =								
BM "LIN 14" Chiseled square in concrete median on US 45 Station 48+55, centerline =	eled square in concrete median on US 45 Station 48+55, centerline =			_					
-115 -	<u>-115</u> 		=	_					
7   1   1	크			-115					
$\rightarrow$ $\mid$ $\mid$ $\mid$ $\mid$	-			_	1				
コートー				_					

Color pictures of the cores 

Available on request
Cores will be stored for examination until 03/28/08
The "Strength" column represents the unlaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

FILE NAME = 0250III-74295-074-Boring Logsdy Puser NAME = bbovee DESIGNED - REVISED

BERNARGIN-LOCHMURLER & ASSOCIATES, No. 3 AND FORMER MANY PUBLIC REVISED STATE OF ILLINOIS

PLOT SCALE = DRAWN - WJS REVISED

STRUCTURE

THOUGH DATE = 3:27:06 PM 8/14/2013 CHECKED - CJF REVISED

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

STRUCTURE

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