Illinois Departm of Transportatic Division of Highways Illinois department of transportation							Date	7/	<u>7/11_</u>
OUTE <u>Macarthur Blvd.</u> DESCRIPTION 02-00382-02-PV.			M	<u>icarthu</u>	r Blvd. over N.S. R.R. LOGGED	) BY		M.Tapp	an
	CATION		SE 1/4	, SEC.	17, TWP. 15N, RNG. 5W, 3 PM				
OUNTY <u>Sangamon</u> DRILLING	метно	D		HS	A Cont. Sample HAMMER TYPE		N	I.A.	
TRUCT. NO. <u>084–0512</u> Station <u>800+69.78</u>	D E P	B L O	U C S	<b>M</b> 0 -	Surface Water Elev. <u>N.A.</u> ft Stream Bed Elev. <u>N.A.</u> ft	D E P	B L O	U C S	M O I
ORING NO. <u>Mac. R.R. S. Abut.</u> Station <u>799+20</u> Offset 47.0ft LT	T H	W S	Qu	S T	Groundwater Elev.: ⊽First Encounter <u>Dry</u> ft ▼Upon Completion <u>Grouted</u> ft	T H	W S	Qu	S T
Ground Surface Elev. <u>638.9</u> ft SPHALT	(ft)	/6"	(tsf)	(%)	After Hrs Hrs ft Brown and Gray moist CLAY	(ft)	/6"	(tsf) B	(%)
637.7	n				LOAM till fill. Uniform sample. (continued)				
rayish Brown moist CLAY LOAM III. Lime modified. Sample	<u> </u>					_			
roke. 635.9			2.5 \ P	14					
rown and Gray moist SILTY LAY fill with large Gray clayey			0.5	18		_			
hale clasts lass# R.R1 (3.0-6.0)			В.	10		_			
"	5				Very poor recovery (.5 ft). sample	-25			
632.9 rayish Brown moist SILTY CLAY	0				broken. Drilled similar to the previous two				
ill with some CLAY LOAM till fill eams.	_		1.7 \S-10	19	runs (stiff).				
	_		3 10		611.4	<u> </u>			
	_				Boring completed. Grouted boring upon completion.	—			
ray and Brown moist SILTY LAY fill with high percentage of	-10		0.4 \S-7	16	No grout loss noted.	_30			
ray clayey Shale clasts. lass # R.R.−2. " very moist seam.			0.5 \ B	21					
ë very moist seam.	_								
rown and Gray moist CLAY	0								
OAM till fill. niform sample.						_			
	-15		0.9 B	18		-35			
	_					_			
	_					_			
						_			
	_								
	-20		1.0	17		-40			

Illinois Department P 2 of Transportation Division of Highways illinois department of tranportatio ROUTE <u>Macarthur Blvd.</u> DESCRIPTION Macarthur Blvd. over 1–72 02-00382-02-PV, (84-9-4)A,HBK,BY,BY-1 LOCATION SECTION NE 1/4, SEC. 20, TWP. 15N, RNG. 5W, 3 PM COUNTY Sangamon DRILLING METHOD U 084-0513 792+77.64 В STRUCT. NO. C S L Station 0 W S 
 BORING NO.
 Mac-72 SBL S. Abut

 Station
 791+26

 Offset
 50.0ft LT
 Qu /6" (tsf) Ground Surface Elev. <u>637.4</u> (ft) ft Asphalt 635.90 Gray and Brown moist SILTY CLAY fill. Top 1.5-2.5 firm lime modified. Softer and moister at 2.5 ft with some Gray Clayey 634.90 0.6 S Shale Clasts. Olive Brown and Gray moist SILTY CLAY fill with Gray clayey 0.5 Shale clasts. В 2 ft very moist seam. 0.5 В 6" soft seam. \_\_\_\_\_ -10 Gray clayey Shale clasts 1" – 2" 0.5 В 6" soft seam. Loosely consolidated with high percentage of Gray clayey Shale clasts. Free water between Shale 0.3 -15 S-10 clasts. 1 ft Gray and Tan moist SILT 0.5 LOAM Sample bulging and compressed from 16.0 - 17.0 В Gray v.moist SiC fill with CL fill seam 18.0 - 19.2 0.4 В Bn and Gray moist SILTY CLAY fill with CLAY LOAM fill seams

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H — Sampler Advanced By Weight of Hammer, W.O.P — Advanced by Weight of Pipe, B.S. — Before Seating 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)

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -				SO	I BORIN	IG LOGS		F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
c:\pw_work\pwidot\sparksgw\d0280145\D67	FØØ-BORINGS.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS							610	(G)I-4	SANGAMON	24 23
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRAC	T NO. 72F00
	PLOT DATE = Dec-21-2011 03:01:33PM	DATE -	REVISED -		SCALE: NTS	SHEET 1	OF 1	SHEET	S STA.	TO STA.		ILLINOIS FED	AID PROJECT	

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Date <u>6/30/11</u>

LOGGED BY <u>M. Tappan</u>

M 0 1Surface Water Elev.N.A. N.A. ftft ft ftD P PB L C C S S S S S S S S S S S S S T With Gray Clayey Shale clasts. (continued)M.A. ftft <br< th=""><th colspan="9">HSA Cont. Sample HAMMER TYPEN.A.</th></br<>	HSA Cont. Sample HAMMER TYPEN.A.								
Olive Brown and Gray moist SILTY CLAY fill with Gray claysy Shale clasts. (continued)   615.90     Gray moist CLAY LOAM fill fill.   1.2   14     20   0   B     18   -25   3.4   12     24   -25   3.4   12     8   -25   3.4   12     9   -25   3.4   12     18   -25   3.4   12     19   609.40   -   -     19   609.40   -   -     19   Ft   -   -     19   Concrete mix.   -   -     19   Checked on 07/01/11 top of grout at end of day = 18.5   -   -     19   Checked on 07/01/11 top of grout=19.0   -   -     17   -   -   -   -     20   -   -   -   -	M O I S T	Surface Water Elev. <u>N.A.</u> Stream Bed Elev. <u>N.A.</u> Groundwater Elev.: ∑First Encounter <u>Dry</u> YUpon Completion <u>Grouted</u>	ft ft ft	E P T H	B L O W S	U C S Qu	0 I S T		
24   -25   3.4   12     24   -25   3.4   12     -25   3.4   12     -25   3.4   12     -26   -26   -26     -26   3.4   12     -26   -26   -26     -26   -26   -26     -27   -26   -26     -27   -26   -26     -27   -26   -26     -27   -26   -26     -27   -26   -26     -27   -26   -26     -27   -26   -26     -27   -27   -26     -27   -27   -26     -27   -27   -27     -28   -27   -30     -29   -27   -30     -29   -27   -30     -20   -27   -37     -29   -37   -37     -20   -37   -37     -20   -38   -37     -20   -38   -37     -39	20	Olive Brown and Gray moist SILTY CLAY fill with Gray clayey Shale clasts. (continued) Gray moist CLAY LOAM till fill. Olive Brown and Gray moist CL till	_615.90				14		
24 Boring Complete. Boring Complete.   Grouted hole upon completion. Boring Complete.   Estimated 10 cubic ft of grout. -30   Top of grout at end of day = 18.5 -40   ft Checked on 07/01/11 top of grout=19.0   07/06/11= Filled boring with concrete mix. -30   No loss of concrete on 07/07/11. -35	18			_		7.1	10		
Boring Complete.	24			-25			12		
		Grouted hole upon completion. Estimated 10 cubic ft of grout. Pumped +/- 57 cubic ft of grout. Top of grout at end of day = 18.5 ft Checked on 07/01/11 top of grout=19.0 07/06/11= Filled boring with concrete mix.	<u>609.40</u>						
20	17								