STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	cou	INTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 14
F.A.P. 751	101B-2	PI	KE	48	39	14 SHEETS
FED. ROAD DIST.	NO. 7	ILLINOIS	FED. AID PRO	DJECT-		

Contract #72928

of Transportation Division of Highways District 6 Materials					OIL BORING LOG		Date	9/	28
ROUTE FAP 761 (IL 106) DESCRIPTION				IL 106	over Walnut Creek LOG	GED BY	<u></u>	И. Тарј	a
SECTION 101 B-2 LO	CATIC	ON _	NW 1	/4, SE	2. 20, TWP. 4 S, RNG. 7 W, 4 PM				
COUNTY Pike DRILLING	ME	THOD			HSA HAMMER TYI	PE	140 4	F Auto	
075-0025 Ex	Ы	В	u	м		В	В	u	Г
STRUCT. NO. <u>075-0507 Pr</u> Station <u>381+00</u>	Ē	Ĺ	c	o	Surface Water Elev. 450.1 ft Stream Bed Elev. 448.8 ft	E	Ĺ	c	
	<u>P</u>	0	s	1		I P	0	s	ı
BORING NO. 2 E Abut	ᇤ	W	امسا	S	Groundwater Elev.:	T H	w	اسا	
Station <u>381+37</u> Offset 13.0ft Rt	I " I	_				1			ı
Ground Surface Elev. 463.2 ft	(ft)	/6"	(tsf)	(%)	▼After Hrs. Plugged ft	(ft)	∕6″	(tsf)	(
Dark Grey Moist SILTY CLAY					Hammer			\vdash	Г
(Fill)					Free Water SAND (continued)				ı
	_				Grey Clean Medium Grained	_	0		⊢
	-				SAND		1		ı
					Washed	_			г
									ı
	-	0			l.,		<u>2</u>		L
	-	1 2	0.5 B	27	Washed	-25	7		ı
	-9	-	۳			-25		\vdash	Н
	-					-			ı
		1							ı
	-4	2	1.4 B	24					ı
	\dashv	-	-			_			ı
	\neg								ı
	\Box	1					1		L
		2	1.3 B	28	Washed	_	3		ı
	_10	3	Ь.			-30	3		H
	\dashv					_			ı
		0							ı
		1	1.0	27					ı
450.70 Light Blue Grey V. Moist SILTY		3	В			_			ı
CLAY	\dashv								ı
	\exists	0				_	3		ı
		0	0.6	31	Grey Clean Medium to Coarse		3		Γ
	<u>-15</u>	1	В		Grained SAND Washed	_35	5		L
	-					_			ı
	-	0							ı
		0	0.1	30		_			ı
		1	В						ı
445.20									ı
SAND Grey Wet Dirty Fine Grained	\dashv	0	l			_	1		ı
SAND *	\neg	0			Grey Medium Grained Sandy		3		Г
Sampler Advanced by Weight of	-20	0	l		GRÁVEL	-40	5		ı

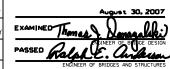
Illinois Depar of Transporta	tmen tion	t		S	OIL BORING LOG		-	<u>2</u>	
Division of Highways District 6 Materials								9/	
ROUTE FAP 751 (IL 106) DESCRIPT	ON			IL 106	over Walnut Creek LOG	GED BY	<u> </u>	<u>/І. Тар</u>	oan
SECTION 101 B-2	LOCATIO)N _	NW 1	1/4, SEC	C. 20, TWP. 4 S, RNG. 7 W, 4 PM				
COUNTY Pike DRILL	ING ME	THOD			HSA HAMMER TYP	PE	140 💰	F Auto	0
STRUCT. NO. 075-0025 Ex 075-0507 Pt Station 381+00 BORING NO. 2 E Abut		B L O W	U C S	M 0 1 s	Surface Water Elev. 450.1 ft Stream Bed Elev. 448.8 ft Groundwater Elev.:	D E P T	B L O W	U C S	M 0 s
Station 381+37	H	S	Ou t. a	T		Ĥ	S	Ou 	Ť
Ground Surface Elev. 463.2	ft (ft)	/8"	(tsf)	(%)	▼After HrsPlugged_ft	(ft)	/8"	(tsf)	(%)
Washed SAND (continued)	\exists	ĺ			SAND (continued)	\Box			
Grev Medium to Coarse SAND		3 4							
Washed	_45	5				_ -65			
w/Some 14" Gravel Washed		3 5	Г	\vdash	Grey Medium Grained Sandy GRAVEL	70	17 7		┡
77 001 100	_50				district	<u>-70</u>	8	\vdash	\vdash
Grey Medium Grained Sandy GRAVEL	-55	6 3 5							
	\dashv	l				\dashv	.		
W <i>a</i> shed		5 7		 	w/V. Coarse Limestone Gravel Washed	-80	13 15 16	\vdash	-

Illinois Dep of Transpor Division of Highways District & Materials	tation	1			OIL BORING LOG		Date		28/05
					over Walnut Creek LC 2. 20, TWP. 4 S, RNG. 7 W, 4 PM	GGED B	YN	/I. Tapp	oan
COUNTY Pike Di					HSA HAMMER T	YPE	140 💰	4 Auto	,
075-0025 Ex 075-007 Pr Station 381+00 30RING NO. 2 E Abut Station 381+37 Offset 13.0ft Rt Ground Surface Elev. 463.2	- <u>:</u>	D B L P O T W H S	U C S Ou	M O I S T (%)	Surface Water Elev. 450.1 Stream Bed Elev. 448.8 Groundwater Elev.: \$\tilde{T}\] First Encounter	t E P T t	o w s	U C S Gail	M O I S T
SAND (continued)	_ " "	+ -	100.7	17.57	SAND (continued)	. 104	 ~	(,	(,,,,
Brown Medium Greined SAND v Some 14° Grevel Washed		85 - - 5 9 90 20			Brown Medium Grained Sandy GRAVEL Washed		12		
Brown Medium Greined GRAVEIG	- - - - -	95							
Brown Medium Grained GRAVEL Washed		10 00 19				-120			

of Transportation Division of Highways	n			2	OIL BORING	LUG	l	Date	9/28/05
ROUTE FAP 761 (IL 106) DESCRIPTION				IL 106	over Walnut Creek		OGGED E	YN	1. Tappan
SECTION 101 B-2 LO	САТІС	ON _	NW 1	/4, SEC	2. 20, TWP. 4 S, RNG. 7 W,	4 PM			
COUNTY Pike DRILLING	ME	THOD			HSA H	AMMER 1	YPE	140 #	Auto
STRUCT. NO. 075-0507 Pr 175-0507 Pr	D E P T H (ft)	B L O W S	U C S (tef)	M O I S T (%)		450.1 448.8 444.2 Washed Plugged	ft ft		
340.20 Interbedded Grey Moist Clayey SHALE and Argilliceous 339.20		100		15					
LIMESTONE 339.20 Boring Completed	╛	.5°							
Refer STA to STA 381+00 Painted on Road STA Increase to East Refer Elevation to BM Chisled Square on NE Headwall = 463,7'									
	-140								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (8-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. 8-96) 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)

DESIGNED Nicholas R. Barnett CHECKED Phillip R. Litchfield DRAWN Greg D. Farmer CHECKED NRB/PRL



BORING LOGS F.A.P. RT. 751 - SEC. 101B-2 PIKE COUNTY STATION 381+00.00 STRUCTURE NO. 075-0507