Wang Engineering

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BORING LOG WC33-B01

WEI Job No.: 790-36-01

Client TranSystems Corporation
Project Prairie Parkway

Location IL 47 Over Saratoga Creek, Grundy Co., IL.

Datum: NGVD Elevation: 561.20 ft North: 1731698.97 ft East: 959699.87 ft Station: 6118+48.99 Offset: 71.98 RT

Second S		Profile	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
Stiff, brown SLTY CLAY LOAM, trace gravel			\TOPSOIL Medium dense, brown SANDY LOAM, trace gravel	/ 	X	1	4	NP	18		med	dium SAND, little gravel	-	X	11	13 16 24	NP	9
-%Clay=20.9A-6 (12)A-6 (12)			Stiff, brown SILTY CLAY LOAM, trace gravel L _L (%)=35, P _L (%)=18 %Gravel=5.4 %Sand=14.7	· 5_/	X	2	566		19				30	X	12	20 29 36	NP	8
Medium stiff, gray CLAY			%Clay=20.9 A-6 (12)	· 4	X	3	2 4 5		18				-					
LOAM, little gravel 5 3 NP 12 Sear Very dense, gray LOAM with 50/0.5 Dense to very dense, gray, fine SAND 15 6 6 8 NP 18 SEAR VERY HERED BEDROCK— SAND 16 6 8 NP 18 SAND 17 SEAR VERY HERED BEDROCK— SAND 18 SAND 19 NP 18 SEAR VERY HERED BEDROCK— SAND 10 SAND 11 SEAR VERY HERED BEDROCK— SAND 11 STORY, fine for your dense, gray, fine be gray, horizontally fractured DOLOSTONE with shale partings Run #1, 37.5' to 42.5' RECOVERY = 90% RQD = 80% RQD = 80% RQD = 89% RQD = 89% RQD = 89% SEAR VERY = 93% RQD = 89% RQD = 89% SEAR VERY = 93% RQD = 89% RQD = 89% SEAR VERY = 93% RQD = 89% RQD = 80% RE SEAR VERY = 93% RQD = 80% RE SEAR VERY = 93% RQD = 80% RQD = 80% RE SEAR VERY = 93% RQD = 80% RQD = 80% RQD = 80% RE SEAR VERY = 93% RQD = 80% RQD = 80% RQD =			Medium stiff, gray CLAY	10_		4	2 2 7		32				35_	X	13	45	NP	7
Dense to very dense, gray, fine SAND Dense to very dense, gray, fine SAND Strong, fair to good quality, light gray, horizontally fractured DOLOSTONE with shale partings Run #1, 37.5' to 42.5' RECOVERY = 90% RQD = 60% Run #2, 42.5' to 47.5' RECOVERY = 93% RQD = 89% Run #2, 42.5' to 47.5' To 47.5' RECOVERY = 93% RQD = 89% Run #2, 42.5' to 47.5' To 47.5' RECOVERY = 93% RQD = 89% Run #2, 42.5' to 47.5' To 47.5' RECOVERY = 93% RQD = 89% Run #2, 42.5' to 47.5'		LOAM, little gravel	LOAM, little gravel	1	X	5	3 9 16	ΝP	12		Ver 523.7 rock	k fragments			1	50/0.5	NΡ	
RECOVERY = 90% RQD = 60% Run #2, 42.5' to 47.5' RECOVERY = 93% RQD = 89% RQ			Dense to very dense, gray, fine	15	X	6	18	NP	18	/ / / / /	Stro gray DOI part	ong, fair to good quality, lig y, horizontally fractured LOSTONE with shale tings	iht -		1	O R		
RECOVERY = 93% RQD = 89% RECOVERY = 93% RQD = 89% RQD				1	X	7	15	NΡ	13	/ / /,	RE(COVERY = 90% D = 60%	-		l			
GENERAL NOTES GENERAL NOTES Begin Drilling 06-24-2009 Complete Drilling 06-24-2009 While Drilling VASHED Drilling Contractor WTS Drill Rig D 120 ATV Driller K&J Logger F. Bozga Checked by C. Marin Drilling Method 3.25 IDA HSA; Boring backfilled upon completion The stratification lines represent the approximate boundary			540.7	20_	X	8		NP	20	/ / / / /	RE	COVERY = 93%	45_		2	R		
Driller K&J Logger F. Bozga Checked by C. Marin Drilling Method 3.25 IDA HSA; Boring backfilled upon completion Depth to Water V. NA The stratification lines represent the approximate boundary	IT 6/22/11			† 	X	9	12		18	/ / / /		ing terminated at 47.50 ft	-					
Driller K&J Logger F. Bozga Checked by C. Marin Drilling Method 3.25 IDA HSA; Boring backfilled upon completion Depth to Water V. NA The stratification lines represent the approximate boundary	WANGENG. GD			25_	X.	10			17				- 50_					
Driller K&J Logger F. Bozga Checked by C. Marin Drilling Method 3.25 IDA HSA; Boring backfilled upon completion Depth to Water V. NA The stratification lines represent the approximate boundary	I.GPJ		GENERAL NOTES								WATER	LEVE	L D	ΑT	Α			
Driller K&J Logger F. Bozga Checked by C. Marin Drilling Method 3.25 IDA HSA; Boring backfilled upon completion Depth to Water V. NA The stratification lines represent the approximate boundary	03601										While Drilling							
Drilling Method 3.25 IDA HSA; Boring backfilled upon completion Depth to Water NA The stratification lines represent the approximate boundary	VC 79																	
The stratification in the approximate boundary	ENGIN																	
	VANGE																	



ROCK CORE LOG

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Date 06/24/2009

Prairie Parkway Section IL47A

ROUTE IL 47 DESCRIPTION	Structure Boring		LOGGED	BY Fra	ncisc Bozga	
SECTION IL47A	LOCATION IL 47 over Saratoga Cre	ek SEC. 15	TWP	34N	RNG7E	PM
COUNTY Grundy	CORING METHOD Conventional 5' r	un	F		CORE	s
STRUCT. NO. 032-0122	CORING BARREL TYPE & SIZE NW	D4 2,985x2.060	E		55.1.2	T
Station 6118+40.00	Core Diameter 2	04 .	c		_	R
Station		3.7 ft E	c c	4	T	E
BORING NO. WC33-B01	Begin Core Elev. 523.7		O V		м	N
Station 6118+48.99			^ _B	I D	E	G T
Offset 71.98 RT Ground Surface Elev. 561.20	4		E Y		_	н
Ground Surface Elev	К	(ft)	(#) (%	6) (%)	(min/ft)	(tsf)
Strong, fair to good quality, light gray,	horizontally fractured DOLOSTONE	Run 1 37.5	1 90	60		
with shale partings	Total of Dozoot Otte	Run 2 42.5	2 93	89		
		= $=$				
		=				
		=				
		= =				
		— —				

Color pictures of the cores Yes

Cores will be stored for examination until

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS 138 (Rev. 3/01)

	USER NAME = bdecraene	DESIGNED	-	STM	_	
/:\3195\Structure\032-0122\0320122-66E	83-028-BORINGS 1.dgn	CHECKED	-	BAN	$ m{H}utchison $ Engineering, Inc. $ $	
	PLOT SCALE = NONE	DRAWN	-	STM	JACKSONVILLE-SHOREWOOD-PEORIA	
	PLOT DATE = 8/6/2013	CHECKED	-	BAN		

STATE OI	F ILLINOIS
DEPARTMENT OF	TRANSPORTATION

DODING LOGG	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHE			
BORING LOGS	RTE.	3EC I TON	COUNTT	SHEETS	NO			
STRUCTURE NO. 032-0122		110BR	GRUNDY	644	354			
		CONTRACT NO. 66B						
SHEET NO. 28 OF 32 SHEETS		ILLINOIS FED. AID PROJECT						