F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	03-00251-00-BR	KANE	72	49
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROJECT NO. BROS-D001(641)
CONTRACT NO. 63080
Sheet S-30 OF 33

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1
Date Started 1/3/08
Date Completed 1/3/08

ROUTE — DESCRIPTION Wood St. over BNSF & Indian Cr., Aurora, IL
SECT. 03-00251-00-BR STRUCT. NO. 045-6022 DRILLED BY TSC L-68.358
COUNTY Kane LOCATION West End Pier 2 S. 23 NW 1/4, TWP. 38N, RNG. 8E

Boring No. 3
Station 15+65
Offset 20.00ft LT
Surface Elev. 671.39 ft

Surface Water Elev. —
Groundwater Elev.:
when drilling 661.4
at Completion —
after — Hrs. —

DEPTH	BLOWS	Qu tsf	W %	DEPTH	BLOWS	Qu tsf	W %
	32				4		
	26		6.6		8		10.2
	10				8		
FILL – Dark brown and gray SAND and GRAVEL, trace slag and brick pieces, damp A-1-a				Med. dense gray SAND and GRAVEL, occasional Cobbles, trace silt, saturated A-1			
	3				10		
	5		7.0		10		7.5
-5	7			-30	11		
665.89				640.89			
	7				26		
Med. dense brown SAND and GRAVEL, damp A-1	7		4.6	Very dense to dense gray SAND and GRAVEL, occasional Cobbles and Boulders, saturated A-1-a	28		9.8
	8				23		
663.39							
Dense brown SAND and GRAVEL, occasional Cobbles, moist to saturated A-1-a	10				9		
	14		6.1		16		8.5
-10	16			-35	18		
660.89				635.89			
	18			Boulders or fractured Rock			
	26		7.5	End of Boring at 35.5'			
	31						
				Hard drilling on boulders or fractured rock at 35 feet – broke bits off cutting head. Unable to core rock.			
	36						
Very dense brown Gravel, Cobbles and Boulders (rock fragments recovered), little sand, saturated A-1-a	50/4"		9.0	Diedrich D-120 Truck Rig (#315) CME Automatic Hammer			
-15				-40			
	20			3.25" (83 mm) ID HSA			
	28		6.5				
	34						
	19						
	26		9.8				
-20	36			-45			
650.89							
	13						
Dense to med. dense gray SAND and GRAVEL, occasional Cobbles, trace silt, saturated A-1-a	16		8.3				
	18						
	5						
	9		11.8				
646.39 -25	10			-50			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 2
Date Started 11/6/07
Date Completed 11/6/07

ROUTE — DESCRIPTION Wood St. over BNSF & Indian Cr., Aurora, IL
SECT. 03-00251-00-BR STRUCT. NO. 045-6022 DRILLED BY TSC L-68.358
COUNTY Kane LOCATION East End North Abutment S. 23 NW 1/4, TWP. 38N, RNG. 8E

Boring No. 4
Station 16+69
Offset 14.00ft RT
Surface Elev. 696.98 ft

Surface Water Elev. —
Groundwater Elev.:
when drilling 653.5
at Completion Dry
after — Hrs. —

DEPTH	BLOWS	Qu tsf	W %	DEPTH	BLOWS	Qu tsf	W %
6" P.C. Concrete 696.48							
6" Crushed Stone Subbase 696.98							
	5				2	B	
FILL – SAND and large Gravel with cinders, damp 693.98	5		7.9	FILL – Brown and gray CLAY, trace wire, moist A-6	4	L0	26.4
	8				4	15%	
				668.98			
	2	P					
FILL – Brown CLAY LOAM, some gravel, moist A-6	2	2.0	13.2	Medium stiff to stiff brown CLAY LOAM, trace gravel, moist to very moist A-6 [Possible Fill]	1	B	
	3				3	0.9	24.8
-5				-30	5	15%	
691.48							
	3	B					
Qp = 1.25 tsf	3	0.8	14.2				
	4	15%		664.98			
				Very stiff brown CLAY LOAM with sandy gravel layers, moist A-4/A-1	4	P	
FILL – Brown SANDY LOAM, trace to little gravel, moist to very moist A-2-4/A-4	1	P			5	3.5	10.9
	3	0.75	13.6		10		
	4			-35			
-10				660.98			
	1	B					
Qp = 0.75 tsf	2	0.5	15.7				
	2	15%					
					11		
	2	P			16		
	4	0.5	14.7		27		
	4						
-15				-40			
681.48							
	3			Dense to medium dense brown SAND and GRAVEL, occasional Cobbles, (rock fragments recovered), saturated A-1-a			
	4		5.8				
	4						
					5		
	2				11		
FILL – Brown SAND and GRAVEL, occasional Cobbles, damp A-1-a	3		4.9		34		
	8			-45			
-20							
	2						
	3		4.9				
	5						
				647.98			
	3			Brown silty SAND, some gravel	7		
	3		6.1		14		8.3
	5			646.98 -50	11		

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 2 of 2
Date Started 11/6/07
Date Completed 11/6/07

STRUCTURE NO. 045-6022
ROUTE —
SECTION 03-00251-00-BR
COUNTY Kane

Boring No. 4
Station 16+69
Offset 14.00ft RT
Elevation 646.98 ft

DEPTH	BLOWS	Qu tsf	W %
Medium dense brown silty SAND and GRAVEL, trace clay, wet A-1-a 644.98			
	5		
Dense gray SAND and GRAVEL, occasional Cobbles and Boulders, saturated A-1-a	11		
	23		
-55			
640.98			
	100"		
Auger Refusal @ 56' on Boulder or possible Rock Surface			
Diedrich D-120 Truck Rig (#315) CME Automatic Hammer			
-60			
	11		
	16		
	27		
-65			
-70			
-75			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

PLAN: SURVEYED — DATE; PLOTTED — BY; CHECKED — BY; NOTE BOOK — NO.; R.O.W. CHECKED — BY; ADD. FILE NAME

PROFILE: SURVEYED — DATE; PLOTTED — BY; CHECKED — BY; B.M. NOTED — BY; STRUCTURE NO/TATIONS CHKD — BY; NOTE BOOK — NO.

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REVISIONS	
NAME	DATE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO

CITY OF AURORA

SOIL BORINGS-II
SHEET 2 OF 5

SCALE:
DATE: SEPTEMBER 2008
DRAWN BY:
CHECKED BY: