F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	03-00251-00-BR	KANE	72	48
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROJECT NO. BROS-D001(641)
CONTRACT NO. 63080
Sheet S-29 OF 33

PLAN: SURVEYED | BY | DATE | PLOTTED | CHECKED | NOTE BOOK | NO. | R.O.W. MONUMENTS SET | R.O.W. MONUMENTS CHECKED | R.O.W. NOTED | CADD FILE NAME

PROFILE: SURVEYED | BY | DATE | PLOTTED | CHECKED | NOTE BOOK | NO. | R.O.W. NOTED | STRUCTURE NOTATIONS CHKD

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

ROUTE _____ DESCRIPTION Wood St. over BNSF & Indian Cr., Aurora, IL — Date Started 11/1/07 — Date Completed 11/1/07

SECT. 03-00251-00-BR — STRUCT. NO. 045-6022 — DRILLED BY TSC L-68,358

COUNTY Kane — LOCATION South Abutment – Center — S. 23 NW 14 , TWP. 38N , RNG. 8E

Boring No. 1 — Station 13+82 — Offset 0.00ft RT — Surface Elev. 702.31 ft

Surface Water Elev. _____ — Groundwater Elev.: when drilling 659.3 — at Completion 657.3 — after _____ Hrs. _____

		D EPTH	B LOWS	Qu tsf	W %
14" Asphalt Pavement	701.11				
6" Crushed Stone Subbase	700.56				
		-5	37 16 5	P 2.0	7.1 16.8
FILL – Brown and gray CLAY LOAM, little gravel, moist A-6	696.81	-5	3 4 5	P 4.5+	11.3
FILL – Brown and gray SANDY LOAM, trace gravel, moist A-2-4	691.81	-10	3 4 5	P 2.0	9.4
		-10	3 2 3	S 0.7 10	10.2
FILL – Brown and gray CLAY LOAM, little gravel, moist A-6	688.31	-15	2 1 2	P 2.0	13.3
FILL – Brown and gray SANDY LOAM, trace gravel, very moist A-2-4/A-4	686.81	-15	2 1 1	P 0.5	14.7
FILL – Wood pieces recovered	684.31		4 7 6		
FILL – Soft brown SANDY LOAM, trace wood pieces, trace gravel, very moist A-4	679.31	-20	3 2 3	P 0.25	23.3
			2 1 1	P 0.5	18.9
FILL – Brown CLAY LOAM, moist A-6 Qp = 1.5 tsf	677.31	-25	2 2 2	B 0.8 15%	20.7
FILL – Brown silty SAND, little gravel, moist A-1-b	674.31	-25	4 8 6		11.1
FILL – Brown clayey SAND, little gravel, occasional clay seams, moist A-1A-2		-30	4 4 5		12.3
CME 75 Truck Rig #266 CME Automatic Hammer	665.31				
Very stiff brown and gray CLAY LOAM, trace gravel, moist A-6 (possible fill)		-40	9 6 7	P 2.5	15.9
	660.31				
Med. dense to very dense gray SAND and GRAVEL, saturated A-1		-45	7 9 11		10.3
End of Boring at 50'	653.31				
V. den. Cobbles & Boulders, (rock frag. recovered), sat.	652.31	-50	24 35 48		8.1 5.6

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

ROUTE _____ DESCRIPTION Wood St. over BNSF & Indian Cr., Aurora, IL — Date Started 1/23/08 — Date Completed 1/23/08

SECT. 03-00251-00-BR — STRUCT. NO. 045-6022 — DRILLED BY TSC L-68,358

COUNTY Kane — LOCATION East End Pier 1 — S. 23 NW 14 , TWP. 38N , RNG. 8E

Boring No. 2 — Station 14+59 — Offset 28.00ft RT — Surface Elev. 681.37 ft

Surface Water Elev. _____ — Groundwater Elev.: when drilling 665.9 — at Completion Wash — after _____ Hrs. _____

		D EPTH	B LOWS	Qu tsf	W %
FILL – Large Gravel	680.57				
FILL – Black Sand and Cinders	679.87	-5	5 15 18		16.0 5.6
FILL – Brown and gray Sand and Crushed Stone	678.37	-5	3 4 6	B 0.8 15%	16.9
FILL – Medium stiff to stiff brown and gray CLAY LOAM, little black clay, trace gravel, moist to very moist A-6		-10	3 5 5	B 1.9 15%	21.7
		-10	2 2 3	P 1.5	23.7
	668.37	-15	2 3 3	P 1.5	22.2
FILL – Brown and gray SANDY LOAM, occasional gravel seams, very moist A-1/A-4	665.87	-15	7 9 11	P 1.0	18.0
FILL – Brown and gray SANDY LOAM, little black clay, trace gravel, very moist A-2-4	663.37	-20	2 1 2	P 0.75	19.8
FILL – Brown and gray CLAY LOAM with pieces of Wood, moist	660.87	-20	2 2 3		
Dense gray GRAVEL with sand and cobbles (rock fragments recovered), saturated A-1-a		-25	15 19 26		
			12 18 22		
Dense gray GRAVEL with sand and cobbles (rock fragments recovered), saturated A-1-a		-30	12 18 22		
Dense gray GRAVEL with sand and cobbles (rock fragments recovered), saturated A-1-a		-30	12 18 28		
		-30	14 19 26		
Dense gray silty SAND, GRAVEL and COBBLES, (rock fragments recovered), saturated A-1-a	643.37	-35	13 16 26		8.8
		-35	14 19 26		9.0
Med. dense gray clayey SILT, trace fine sand, moist A-4	638.37	-40	14 15 12		19.8
Very dense gray GRAVEL with sand and cobbles (rock fragments recovered), saturated A-1-a		-45	10 10 12		19.8
Diedrich D-120 Truck Rig (#315) CME Automatic Hammer		-45	18 23 29		
3.25" (83 mm) ID HSA		-50	20 26 31		
		-50	20 31 35		

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 1/23/08 — Date Completed 1/23/08

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

Boring No. 2 — Station 14+59 — Offset 28.00ft RT — Elevation 631.37 ft

		D EPTH	B LOWS	Qu tsf	W %
	630.87				
DOLOMITE, light grey, moderately fractured, poor to fair rock quality, argillaceous to silty, medium bedded with few green clay partings, <5% pinpoint vugs		-55			
Core Run: 50.5 to 60.5 feet Recovery = 94% RQD = 48%					
Compressive Strength S-1 @ 51.2 ft. NP premature fracture S-2 @ 53.5 ft: 3,675 psi S-3 @ 59.5 ft: 8,610 psi					
	620.87	-60			
End of Boring at 60.5'					
Diedrich D-120 Truck Rig (#315) CME Automatic Hammer		-65			
3.25" (83 mm) ID HSA					
Rock Core with NX Core Barrel		-70			

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

REVISIONS	
NAME	DATE

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

CITY OF AURORA

SOIL BORINGS-I

SHEET 1 OF 5

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

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