

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
FAU 1441	00-00059-00-BR	KANE	154	123	of 552 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract # 83869

Illinois Department of Transportation
Division of Highways
Professional Service Subcontract

SOIL BORING LOG Page 1 of 1
Date 11/26/03

ROUTE FAU 1441 DESCRIPTION Wilson Street over the Fox River LOGGED BY R.G.
SECTION 00-00059-00-BR LOCATION Wilson Street Sec. 22, Twp. 39 N, Rng. 8 E
COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic Hammer

STRUCT. NO. 045-6050
Station
BORING NO. SB-1
Station 1.52
Offset 8.00 ft R
Ground Surface Elev. 574.45 ft (ft) (ft) (ft) (%)

DEPTH (ft)	DESCRIPTION	DIAGRAM	TESTS	REMARKS
0.0	ASPHALT			
0.0 - 0.4	FILL: Brown SAND and GRAVEL			
0.4 - 0.8	SANDY CLAY A-6 Brown, soft, moist			
0.8 - 1.1				
1.1 - 1.5				
1.5 - 2.2				
2.2 - 2.3				
2.3 - 2.5				
2.5 - 2.8				
2.8 - 3.0				
3.0 - 3.3				
3.3 - 3.7				
3.7 - 3.9				
3.9 - 4.0				
4.0 - 4.3				
4.3 - 4.4				

10 feet NX-Size Core Run Started at 25.5 feet
Recovery = 99%
ROD = 11%

Compressive Strength at 20 feet = 7910 psi

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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)

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SECTION 00-00059-00-BR LOCATION Wilson Street Sec. 22, Twp. 39 N, Rng. 8 E
COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic Hammer

STRUCT. NO. 045-6050
Station
BORING NO. SB-2
Station 1.97
Offset 7.00 ft R
Ground Surface Elev. 575.62 ft (ft) (ft) (ft) (%)

DEPTH (ft)	DESCRIPTION	DIAGRAM	TESTS	REMARKS
0.0	ASPHALT			
0.0 - 0.4	FILL: Broken CONCRETE			
0.4 - 0.8	SAND and GRAVEL Loose, brown, fill			
0.8 - 1.1				
1.1 - 1.5				
1.5 - 2.2				
2.2 - 2.3				
2.3 - 2.5				
2.5 - 2.8				
2.8 - 3.0				
3.0 - 3.3				
3.3 - 3.7				
3.7 - 3.9				
3.9 - 4.0				
4.0 - 4.3				
4.3 - 4.4				

10 feet NX-Size Core Run Started at 25.5 feet
Recovery = 99%
ROD = 28%

Compressive Strength of core sample at 29.5 feet = 7410 psi

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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)

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SOIL BORING LOG Page 1 of 1
Date 12/1/03

ROUTE FAU 1441 DESCRIPTION Wilson Street over the Fox River LOGGED BY R.G.
SECTION 00-00059-00-BR LOCATION Wilson Street Sec. 22, Twp. 39 N, Rng. 8 E
COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic Hammer

STRUCT. NO. 045-6050
Station
BORING NO. SB-3
Station 2.93
Offset 7.00 ft L
Ground Surface Elev. 577.29 ft (ft) (ft) (ft) (%)

DEPTH (ft)	DESCRIPTION	DIAGRAM	TESTS	REMARKS
0.0	ASPHALT			
0.0 - 0.4	FILL: Broken CONCRETE			
0.4 - 0.8	SAND and GRAVEL Loose, brown, fill			
0.8 - 1.1				
1.1 - 1.5				
1.5 - 2.2				
2.2 - 2.3				
2.3 - 2.5				
2.5 - 2.8				
2.8 - 3.0				
3.0 - 3.3				
3.3 - 3.7				
3.7 - 3.9				
3.9 - 4.0				
4.0 - 4.3				
4.3 - 4.4				

10 feet NX-Size Core Run Started at 24.5 feet
Recovery = 98%
ROD = 19%

Compressive strength of core sample at 25.5 feet = 7120 psi

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG Page 1 of 1
Date 11/26/03

ROUTE FAU 1441 DESCRIPTION Wilson Street over the Fox River LOGGED BY R.G.
SECTION 00-00059-00-BR LOCATION Wilson Street Sec. 22, Twp. 39 N, Rng. 8 E
COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic Hammer

STRUCT. NO. 045-6050
Station
BORING NO. SB-4
Station 3.49
Offset 9.00 ft R
Ground Surface Elev. 577.43 ft (ft) (ft) (ft) (%)

DEPTH (ft)	DESCRIPTION	DIAGRAM	TESTS	REMARKS
0.0	ASPHALT			
0.0 - 0.4	FILL: Broken CONCRETE			
0.4 - 0.8	SAND and GRAVEL Loose, brown, fill			
0.8 - 1.1				
1.1 - 1.5				
1.5 - 2.2				
2.2 - 2.3				
2.3 - 2.5				
2.5 - 2.8				
2.8 - 3.0				
3.0 - 3.3				
3.3 - 3.7				
3.7 - 3.9				
3.9 - 4.0				
4.0 - 4.3				
4.3 - 4.4				

10 feet NX-Size Core Run Started at 25.5 feet
Recovery = 99%
ROD = 4%

Compressive strength of core sample at 36 feet = 6930 psi

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic Hammer

STRUCT. NO. 045-6050
Station
BORING NO. SB-5
Station 3.99
Offset 9.00 ft L
Ground Surface Elev. 577.36 ft (ft) (ft) (ft) (%)

DEPTH (ft)	DESCRIPTION	DIAGRAM	TESTS	REMARKS
0.0	ASPHALT			
0.0 - 0.4	FILL: Broken CONCRETE			
0.4 - 0.8	SAND and GRAVEL Loose, brown, fill			
0.8 - 1.1				
1.1 - 1.5				
1.5 - 2.2				
2.2 - 2.3				
2.3 - 2.5				
2.5 - 2.8				
2.8 - 3.0				
3.0 - 3.3				
3.3 - 3.7				
3.7 - 3.9				
3.9 - 4.0				
4.0 - 4.3				
4.3 - 4.4				

10 feet NX-Size Core Run Started at 24.5 feet
Recovery = 98%
ROD = 28%

Compressive strength of core sample at 29.5 feet = 7550 psi

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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 -
CHECKED -
DRAWN - EF
CHECKED - DWH

SOIL BORING LOG II
WILSON ST OVER FOX RIVER
SECTION 00-00059-00-BR
KANE COUNTY
STRUCTURE NO. 045-6051

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS