Boring B-2

P. G. ENGINEERING ASSOCIATES, INC.
600 West Jackson Blvd., Chicago, Illinois 60606
312-930-9222

Bridge Foundation Boring Log

Sh. of Sh.

PROJECT ____ BRIDGE ____ Date September 29, 1992
ROUTE US 30 at Hickory Creek ____ Bored By Jerry
SEC. 13B-R-1(90) STA. ____ Checked By A.R. Blystra
COUNTY Cook
Boring No. B-2
Station 493+34.35
Offset 14.5' LT
Surface Water El. ____
Groundwater El. at Completion -12.5 Ft.
After ____ Hours ____
Ground Surface El. 690.62

Description	Elevation	N	Qu (t/s.f.)	w (%)
Asphalt				
Concrete				
Hard brown and gray silty clay with small gravel		6, 8, 7 — 13	5.1	14.2
Hard black and brown sand, silty clay with trace of small gravel	-5	5, 6, 5 — 11	4.9	17.7
Stiff, Brown sandy clay with silt and gravel		4, 4, 5 — 9	2.1	29.1
Medium dense, fine brown sand with small to large gravel, trace of silt and clay	-10	3, 6, 7 — 13; 10, 7, 7 — 14		
Medium dense, fine gray sand with small to large gravel	-15	10, 8, 6 — 14; 9, 6, 18 — 24		
Medium dense to dense small gravel with sand and large gravel	-20	20, 18, 16 — 34; 11, 8, 10 — 18		
Medium dense to dense Small gravel with sand and large gravel	-25	16, 15, 17 — 32; 15, 15, 8 — 23		
Medium dense, fine gray sand with a trace of silt	-30	[illegible] — 30		
Loose, fine gray sand with medium to large gravel		[illegible] — 6		
Dense, medium to large gravel with some sand and silt, trace of clay	-35	13, 12, 11 — 23		
Hard weathered rock		100/4; 100/2		

End of Boring at -38 feet.

Boring B-3

P. G. ENGINEERING ASSOCIATES, INC.
600 West Jackson Blvd., Chicago, Illinois 60606
312-930-9222

Bridge Foundation Boring Log

Sh. of Sh.

PROJECT ____ BRIDGE ____ Date September 24, 1992
ROUTE US 30 at Hickory Creek ____ Bored By Berlin
SEC. 13B-R-1(90) STA. ____ Checked By A. R. Blystra
COUNTY Cook
Boring No. B-3
Station 493+67.75
Offset 20.8' LT
Surface Water El. 679.18
Groundwater El. at Completion ____
After ____ Hours ____
Ground Surface El. 690.68

Description	Elevation	N	Qu (t/s.f.)	w (%)
Concrete Bridge Deck				
Air	-5			
Water (Hickory Creek)	-10			
Medium dense, black, fine to medium sand with small to large gravel, trace of wood	-15	[illegible] — 18		
Medium dense, gray, fine to coarse sand with small to large gravel	-20	[illegible] — 18; [illegible] 13 — 22; [illegible] 12 — 22		
Dense, gray, small to large gravel with trace of sand, silt, and boulders	-25	16, 14, 18 — 32		
Medium dense, gray, fine to coarse sand with small to large gravel. (A-1-b)	-30	[illegible] — 18; 16, 10, 11 — 21		
Dense, gray, small to large gravel with trace of sand and boulders	-35	14, 16, 22 — 38; 20, 22, 23 — 45		
Bedrock, Horizontally Bedded Gray Dolomite, Recovery = 75%, R.Q.D. = 0.32 (32%)	-40	100/1		

End of Boring at -42 feet

Boring B-4

P. G. ENGINEERING ASSOCIATES, INC.
600 West Jackson Blvd., Chicago, Illinois 60606
312-930-9222

Bridge Foundation Boring Log

Sh. of Sh.

PROJECT ____ BRIDGE ____ Date September 28, 1992
ROUTE US 30 at Hickory Creek ____ Bored By Jerry
SEC. 13B-R-1(90) STA. ____ Checked By A.R. Blystra
COUNTY Cook
Boring No. B-4
Station 493+88.45
Offset 14.8' LT
Surface Water El. 679.18
Groundwater El. at Completion ____
After ____ Hours ____
Ground Surface El. 690.72

Description	Elevation	N	Qu (t/s.f.)	w (%)
Concrete Bridge Deck				
Air	-5; -10			
Water (Hickory Creek)				
Loose, fine black sand with small gravel and a trace of silt.	-15	6, 4, 2 — 6; 3, 1, 1 — 4		
Medium dense, medium to large gravel with sand and silt.		[illegible], 18 — 27		
Medium dense to dense large gravel and rock fragments with sand and small gravel, trace of silt.	-20	20, 22, 25 — 47; 100/6"		
Medium dense, fine gray sand, trace of large gravel.	-25	9, 5, 5 — 10; 9, 6, 10 — 16		
Very dense, medium to large gravel with sand, small gravel, trace of silt.	-30	10, 28, 26 — 54		
Very dense, medium to large gravel.		23, 17, 34 — 51		
Dense, fine to medium gray sand with small to large gravel and silt.	-35	18, 17, 16 — 33; 13, 13, 17 — 30		
Bedrock, Horizontally Bedded Gray Dolomite, Recovery = 100%, R.Q.D. = 0.26 (26%)	-40			

End of Boring at - 43 feet

Boring B-5

P. G. ENGINEERING ASSOCIATES, INC.
600 West Jackson Blvd., Chicago, Illinois 60606
312-930-9222

Bridge Foundation Boring Log

Sh. of Sh.

PROJECT ____ BRIDGE ____ Date September 25, 1992
ROUTE US 30 at Hickory Creek ____ Bored By Jerry
SEC. 13B-R-1(90) STA. ____ Checked By A.R. Blystra
COUNTY Cook
Boring No. B-5
Station 494+81.53
Offset 31.7' LT
Surface Water El. ____
Groundwater El. at Completion -12.6' Ft.
After ____ Hours ____
Ground Surface El. 690.70

Description	Elevation	N	Qu (t/s.f.)	w (%)
Asphalt				
Very dense gravel		100/6"		
Medium stiff to stiff, brown sandy, silty clay with small gravel	-5	3, 5, 5 — 10; 4, 5, 6 — 11	1.7; 0.8	16.8; 17.9
Medium, brown silty clay with small gravel and sand	-10	65, 8, 10 — 18	0.9	18.1
Soft brown sandy, silty clay with small gravel		2, 2, 3 — 5	0.5	22.9
Dense to very dense, gravel with cobbles, trace of sand and silt.	-15	33, 30, 16 — 46; 100/1"; 20, 15, 12 — 27		
	-20	12, 15, 11 — 26		
Medium dense, fine gray sand, trace of small gravel	-25	3, 5, 7 — 12		
Medium dense to dense, fine gray sand with small to large gravel.		10, 10, 19 — 29		
Dense small to large gravel trace of sand	-30	20, 14, 27 — 41; 24, 15, 15 — 30		
	-35	9, 13, 15 — 28		
Dense to very dense fragment of limestone with shale		13, 18, 23 — 41; 100/4"		

End of Boring at -40 feet.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

U.S. RTE. 30 OVER HICKORY CREEK
STATION 493+89.73
STRUCTURE NUMBER 099-0311

SCALE: None
DATE: June 11, 2010
DRAWN BY: C. Cooney
CHECKED BY: G. Hatlestad

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