STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 11/5/04

ROUTE I 80 DESCRIPTION Minooka Road Overpass LOGGED BY Larry Meyers

SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 9E, 3rd PM

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 032-0046
Station

BORING NO. 1 East Abutment
Station 51+49
Offset 7.00ft Lt
Ground Surface Elev. 574.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augured Bituminous, Brown Sand and Gravel Base Course and Brown Sandy Clay Loam Fill.				
572.00				
Loose to Medium to Dense Brown Sand and Gravel Fill with Minor Sandy Loam Layers and Oversize Material at 9.5'.		5		
		5		4.3
		4		
	-5	6		
		7		4.8
		7		
		6		
		8		10.0
		8		
	-10	20		
		20		4.7
		23		
		11		
		9		8.5
		11		
	-15	11		
558.50		9		
Hard Brown Sandy Clay Loam/Clay Loam Till Fill with Layers of Sand and Gravel up to 1" Thick with Oversize.		9	4.5 P	10.9
		10		
		15	4.5	9.1
		10	P	
555.00				
Very Stiff Brown Clay Loam Till Fill.	-20	20		
Very Stiff Brown Clay Loam Till Fill. *(continued)*		9		
		9		
550.50				
Very Stiff Brown/Gray Clay Till.		6		
	-25	4		
		5	2.2	28.1
		8	S	
547.50				
Stiff Gray/Brown Sandy Loam/Loam/Silty Loam (Lake Deposits).		15		
		21	1.3	17.2
		56	P	
545.00				
Stiff to Very Stiff Brown Silty Loam Till (Brittle). Penetrometer Reading 4.5+. Cobble/Boulder Size Rocks at 35'.	-30	15		
		20	1.8	11.7
		22	S	
		34		
		19	4.5	13.8
		100/5"	P	
	-35	50		
		100	4.5	7.0
			P	
		100/1"		
536.00				
Very Dense Brown/Gray Fine Sand/Coarse Gravel with Pieces of Brown Silty Clay Loam at 53'.	-40	30		

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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Page 2 of 2

Date 11/5/04

ROUTE I 80 DESCRIPTION Minooka Road Overpass LOGGED BY Larry Meyers

SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 9E, 3rd PM

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 032-0046
Station

BORING NO. 1 East Abutment
Station 51+49
Offset 7.00ft Lt
Ground Surface Elev. 574.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Dense Brown/Gray Fine Sand/Coarse Gravel with Pieces of Brown Silty Clay Loam at 53'. *(continued)*		65		3.2
		78		
		52		
		85		9.9
		85		
	-45	13		
		32		15.4
		42		
		12		
		23		9.5
		27		
	-50	18		
		32		15.9
		32		
		40		9.4
		62		W
	-55	12		
		30		9.2
		50		
517.00				
Very Dense to Dense Gray Fine Sand to Medium Gravel with Layers of Fine Sand/Silt.		41		
		23		13.2
		21		
	-60	12		
		21		17.1
		24		
513.00				
End of Boring				
	-65			
	-70			
	-75			
	-80			

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SOIL BORING LOG

Page 1 of 2

Date 11/8/04

ROUTE I 80 DESCRIPTION Minooka Road Overpass LOGGED BY Larry Meyers

SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 9E, 3rd PM

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 032-0046
Station

BORING NO. 2 West Abutment
Station 48+47
Offset 6.50ft Lt
Ground Surface Elev. 574.05 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augured Bituminous Pavement, Brown Sand and Gravel.				
572.05				
Very Stiff Brown Sandy Loam, Sandy Clay Loam. Fine Sand/Coarse Gravel Fill, Large Gravel Pieces Throughout.		4		
		2	2.0	9.1
		5	P	
	-5	4		
		4	3.5	13.2
		3	P	
		4		
		13	3.5	7.6
		18	P	
	-10	4		
		8	2.5	11.9
		8	P	
		4		
		13	2.5	6.6
		14	P	
	-15	3		
		5	3.5	13.4
		8	P	
557.55				
Very Stiff Gray/Brown Sandy Clay Loam/Clay Loam Fill.		3		
		5	2.2	17.6
		9	S	
	-20	5		
Very Stiff Gray/Brown Sandy Clay Loam/Clay Loam Fill. *(continued)*		7	3.5	10.8
		10	P	
552.05				
Very Stiff Black/Dark Gray Silty Clay.		6		
		8	3.0	24.3
		10	P	W
550.05				
Very Stiff Brown Silty Clay Loam/Silty Loam with Large Gravel Pieces up to Small Cobble.	-25	2		
		6	2.5	11.3
		9	P	
		5		
		18	3.0	7.7
		18	P	
545.05				
Very Stiff to Hard Brown Silty Loam/Silty Clay Loam Till. Penetrometer 4.5+.	-30	8		
		16	3.5	11.9
		20	S	
		12		
		28	5.0	11.8
		33	S	
539.55				
Very Dense Brown Silty Fine Sand/Coarse Gravel.	-35	20		
		54		5.8
		57		
537.55				
Very Dense Brown Fine Sand to Fine Gravel with Minor Medium/Coarse Gravel up to Cobble Size at 43'.		4		
		21		3.9
		36		
	-40	9		

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)

SOIL BORINGS
STRUCTURE NO. 032-0119

DESIGNED -	JSI/MAJ/JFS
CHECKED -	JFS/MJB
DRAWN -	MLB/JLP
CHECKED -	JFS/MJB

Foth
Foth Infrastructure & Environment, LLC
7500 North Harker Drive
Peoria, IL 61615
Phone: 309-691-5300 Fax: 309-691-1892
Illinois Registration Number 184.004913

SHEET NO. 32
33 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	(32,47-4) HBR-2	GRUNDY	143	93
	S.N. 032-0119	CONTRACT NO. 66873		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

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