

# SB-122

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SOIL BORING LOG											
PAGE 1 of 4					PAGE 2 of 4						
DATE 7/13-14/2009					DATE 7/13-14/2009						
LOGGED BY DR					LOGGED BY DR						
CSI JOB No. 08201					CSI JOB No. 08201						
ROUTE 170/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08					ROUTE 170/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08						
SECTION 82-2-1HVB-1 LOCATION I-70 & Illinois Route 3					SECTION 82-2-1HVB-1 LOCATION I-70 & Illinois Route 3						
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic					COUNTY St. Clair DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automatic						
STRUCT. NO. 082-W309					STRUCT. NO. 082-W309						
Station: --					Station: --						
BORING NO. SB-122					BORING NO. SB-122						
Station: 1677+24					Station: 1677+24						
Offset: 22.5' Right					Offset: 22.5' Right						
Ground Surface Elev. 411.7					Ground Surface Elev. 411.7						
DEPTH	BLOW	UCS	MOIST	DEPTH	BLOW	UCS	MOIST	DEPTH	BLOW	UCS	MOIST
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
Surface Water Elev. n/a					Surface Water Elev. n/a						
Stream Bed Elev. n/a					Stream Bed Elev. n/a						
Groundwater Elevation:					Groundwater Elevation:						
First Encounter n/a					First Encounter n/a						
Upon Completion n/a					Upon Completion n/a						
After 24 Hrs. 401.2					After 24 Hrs. 401.2						
CLAY LOAM-dark brown-medium stiff (A-6) Fill, Wet 410.7					SANDY LOAM-gray-medium dense (A-2)						
1 AS - 29					6 18						
2 2 1.5P 24					6 16						
2 2 1.5P 24					7 NP 25						
SILTY CLAY-brown-medium stiff to stiff (A-6) Wet 388.2					SAND-gray-medium dense to dense (A-3)						
2 4					7 10						
-5 3 1.75P 29					7 11						
1 7					-8 8 NP 24						
1 5					-25 2 0.25P 67						
2 0.75P 33					5 7						
403.7					8 NP 25						
1 7					8 NP 24						
1 6					8 NP 24						
-10 1 - 34					8 NP 24						
1 6					8 NP 24						
2 32					8 NP 24						
3 86					8 NP 24						
-15 2 0.58 33					8 NP 24						
3 82					8 NP 24						
1 5					8 NP 24						
2 0.68 38					8 NP 24						
393.7					8 NP 24						
1 6					8 NP 24						
0 62					8 NP 24						
1 6					8 NP 24						
-20 1 0.25B 59					8 NP 24						

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(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
Surface Water Elev. n/a					Surface Water Elev. n/a						
Stream Bed Elev. n/a					Stream Bed Elev. n/a						
Groundwater Elevation:					Groundwater Elevation:						
First Encounter n/a					First Encounter n/a						
Upon Completion n/a					Upon Completion n/a						
After 24 Hrs. 401.2					After 24 Hrs. 401.2						
SANDY LOAM-gray-medium dense (A-2)					SAND-gray-medium dense to dense (A-3)						
6 18					6 18						
6 16					6 16						
7 NP 25					7 NP 25						
SAND-gray-medium dense to dense (A-3)					SAND & GRAVEL-gray-dense (A-1)						
7 10					7 10						
7 11					7 11						
-8 8 NP 24					-8 8 NP 24						
-25 2 0.25P 67					-25 2 0.25P 67						
5 7					5 7						
8 NP 25					8 NP 25						
403.7					403.7						
1 7					1 7						
1 6					1 6						
-10 1 - 34					-10 1 - 34						
1 6					1 6						
2 32					2 32						
3 86					3 86						
-15 2 0.58 33					-15 2 0.58 33						
3 82					3 82						
1 5					1 5						
2 0.68 38					2 0.68 38						
393.7					393.7						
1 6					1 6						
0 62					0 62						
1 6					1 6						
-20 1 0.25B 59					-20 1 0.25B 59						

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(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
Surface Water Elev. n/a					Surface Water Elev. n/a						
Stream Bed Elev. n/a					Stream Bed Elev. n/a						
Groundwater Elevation:					Groundwater Elevation:						
First Encounter n/a					First Encounter n/a						
Upon Completion n/a					Upon Completion n/a						
After 24 Hrs. 401.2					After 24 Hrs. 401.2						
COBBLES-gray-medium dense (A-1-a) 331.2					SAND with Gravel-gray-medium dense to dense (A-1-b) 50/5"						
14					14						
20					20						
22 NP 14					22 NP 14						
SAND with Gravel-gray-medium dense to dense (A-1-b) 308.7					SAND-brown & gray-very dense (A-3)						
15 35					15 35						
17 40					17 40						
-8 8 NP 24					-8 8 NP 24						
-25 2 0.25P 67					-25 2 0.25P 67						
5 7					5 7						
8 NP 25					8 NP 25						
403.7					403.7						
1 7					1 7						
1 6					1 6						
-10 1 - 34					-10 1 - 34						
1 6					1 6						
2 32					2 32						
3 86					3 86						
-15 2 0.58 33					-15 2 0.58 33						
3 82					3 82						
1 5					1 5						
2 0.68 38					2 0.68 38						
393.7					393.7						
1 6					1 6						
0 62					0 62						
1 6					1 6						
-20 1 0.25B 59					-20 1 0.25B 59						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
NR-No Recovery

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
NR-No Recovery

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
NR-No Recovery

1:999999-CONN-99-801-MS.DGN, 0820318-CONN-99-001-RELDGN  
 5-11-2011, 9:58:13  
 NEWMANND \\FS-004-AMVA\VALU\J.D. FRANKS 87.2292A.20868-001\STRUCT\CAD\BT DESIGN\0820318\0820318-001-MS.DGN  
 5-11-2011, 9:58:13