

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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Date 3/12/10

ROUTE FAP 988 DESCRIPTION Trilevel Interchange LOGGED BY RED
SECTION 82-1 LOCATION East St. Louis II, SEC. 7, TWP. 2N, RNG. 9W
COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 750X / 728

STRUCT. NO.	STATION	BORING NO.	STATION	GROUND SURFACE ELEV.	D B U M				Surface Water Elev.	Stream Bed Elev.	D B U M							
					(ft)	(ft)	(ft)	(ft)			(ft)	(ft)	(ft)	(ft)				
NA	NA	ST-11	1 - 64 RAMP E Sta. 17+97.84	494.1					Unknown	Unknown								
Asphalt - 12 inches																		
Medium stiff, gray, SANDY LOAM																		
					2	0.8	24											
					4	S												
					1													
					2	0.7	35											
					3	B												
					4	S												
					1													
					2	0.6	26											
					4	S												
					1													
					2	0.9	30											
					5	B												
					1													
					1	0.6	28											
					3	B												
					1													
					2													
					1													
					2	1.0	31											
					2	S												
					2													
					2													

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)
* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used
BBS, from 137 (Rev. 8-89)



SOIL BORING LOG

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Date 3/18/10

ROUTE FAP 988 DESCRIPTION Trilevel Interchange LOGGED BY RED
SECTION 82-1 LOCATION East St. Louis II, SEC. 7, TWP. 2N, RNG. 9W
COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 750X / 728

STRUCT. NO.	STATION	BORING NO.	STATION	GROUND SURFACE ELEV.	D B U M				Surface Water Elev.	Stream Bed Elev.	D B U M			
					(ft)	(ft)	(ft)	(ft)			(ft)	(ft)	(ft)	(ft)
NA	NA	ST-12	1 - 64 RAMP A Sta. 10+00.15	394.6					Unknown	Unknown				
Topsoil - 6 inches														
Medium stiff, brown, SANDY LOAM														
					3									
					4	0.8	23							
					4	S								
					1									
					1	0.1	37							
					2	B								
					1									
					0									
					1	0.6	32							
					1	B								
					0									
					2	0.4	31							
					1	B								
					4									
					6									
					7									
					7									
					8									
					4									
					4									
					5									
					7									
					8									

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)
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BBS, from 137 (Rev. 8-89)



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					(ft)	(ft)	(ft)	(ft)			(ft)	(ft)	(ft)	(ft)
NA	NA	ST-12	1 - 64 RAMP A Sta. 10+00.15	394.6					Unknown	Unknown				
Medium dense, gray, FINE GRAINED SAND														
					5									
					7									
					6									
					15									
					22									
					5									
					19									
End of Boring														

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)
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BBS, from 137 (Rev. 8-89)



SOIL BORING LOG

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Date 3/24/10

ROUTE FAP 988 DESCRIPTION Trilevel Interchange LOGGED BY EPW
SECTION 82-1 LOCATION East St. Louis II, SEC. 7, TWP. 2N, RNG. 9W
COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 750X / 728

STRUCT. NO.	STATION	BORING NO.	STATION	GROUND SURFACE ELEV.	D B U M				Surface Water Elev.	Stream Bed Elev.	D B U M			
					(ft)	(ft)	(ft)	(ft)			(ft)	(ft)	(ft)	(ft)
NA	NA	ST-13	ST. CLAIR AVE. STA. 34+72.27	413.7					Unknown	Unknown				
Asphalt - 2 inches														
Gravel base - 4 inches														
					3									
					3									
					4									
					4									
					2									
					2	0.7	30							
					3	B								
					4									
					2									
					2	0.6	32							
					2	B								
					3									
					4									
					3									
					3									
					4									
					3									
					3									
					2	0.6	25							
					3	B								
					3									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	64	82-1-2HB	ST. CLAIR	345	181
SHEETS	CONTRACT NO. 76C49				
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		