



### SOIL BORING LOG

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Date 2/5/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY RFW  
 SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W  
 COUNTY St. Clair DRILLING METHOD HSA HAMMER TYPE CME 75 / 80%

DEPTH ft	B L O W S	U C S	M O I S T U R E	Description	Surface Water Elev. <u>Unknown</u> ft	Stream Bed Elev. <u>Unknown</u> ft	Groundwater Elev.:	First Encounter <u>Not Measured</u> ft	Upon Completion <u>Not Measured</u> ft	After <u>Hrs. Not Measured</u> ft
0				Crushed limestone GRAVEL base (FILL)						
8				Brown, SILT with sand, gravel, clay, and concrete debris (FILL)						
12										
14										
3										
507.1										
414.0				Loose, brown, FINE GRAINED SAND, trace silt (FILL)						
2										
3										
3										
2										
2										
3										
10										
408.0				Loose, brown, SANDY LOAM, with clay seams						
2										
3										
3										
0										
11										
3										
15										
404.0				Loose to medium dense, gray, FINE GRAINED SAND						
3										
3										
5										
5										
6										
309.5										

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) BBS, from 137 (Rev. 8-99)  
 \* Rimac attempted, not measured due to sample disturbance  
 \*\* Not measured due to drilling methods used



### SOIL BORING LOG

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Date 11/2/00

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC  
 SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W  
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

DEPTH ft	B L O W S	U C S	M O I S T U R E	Description	Surface Water Elev. <u>Unknown</u> ft	Stream Bed Elev. <u>Unknown</u> ft	Groundwater Elev.:	First Encounter <u>Not Measured</u> ft	Upon Completion <u>Not Measured</u> ft	After <u>Not Measured</u> Hrs.
0				Brown, CLAY with gravel/crushed limestone (FILL)						
1										
3										
4										
413.00										
415.50				Gravel/crushed limestone (FILL)						
5				Very stiff, brown, SANDY CLAY						
414.50										
3				Stiff, dark brown to brown, SILTY CLAY with laminations of brown, FINE GRAINED SAND @ 8'-10'						
4										
6										
3										
6										
5										
410.00				Loose, brown, SANDY LOAM						
1										
3										
3										
407.00				Soft, brown/gray, mottled, SILTY CLAY sandy in places with Fe staining @ 10'-10'						
1										
3										
1										
2										
2										
401.00										
4										
3										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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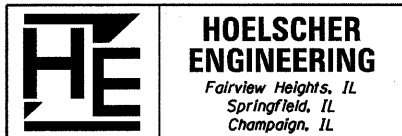
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Date 11/2/00

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC  
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 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

DEPTH ft	B L O W S	U C S	M O I S T U R E	Description	Surface Water Elev. <u>Unknown</u> ft	Stream Bed Elev. <u>Unknown</u> ft	Groundwater Elev.:	First Encounter <u>Not Measured</u> ft	Upon Completion <u>Not Measured</u> ft	After <u>Not Measured</u> Hrs.
0				Medium dense, brown, FINE GRAINED SAND with laminations of black organic material and rare rounded quartz (continued)						
378.00										
8										
11										
14										
363.00										
10										
12										
13										
8										
12										
13										
2										
12										
18										
25										
11										
13										
15										

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)  
 \* Rimac not measured due to sample disturbance  
 \*\* Not measured due to drilling methods used



**BORINGS**  
**STRUCTURE NO. 082-W301**

FILE NAME = H:\SN 082-W301 Final Plans 100799.dgn	USER NAME = default	DESIGNED - CMW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BORINGS - RETAINING WALL 082-W301</b>	F.A.P. RTE. 998	SECTION 82-1-IHB	COUNTY ST. CLAIR	TOTAL SHEETS 236	SHEET NO. 204	
PLOT SCALE = 6668 1' / IN.	CHECKED - JSA	REVISED -	SCALE: N.T.S.			SHEET NO. 8 OF 9 SHEETS	STA. 62+00.00 TO STA. 64+00.00	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76C55	
PLOT DATE = 10/5/2009	DATE - OCT 9, 2009	REVISED -									