

Illinois Department of Transportation  
Division of Highways  
Applied Geotechnics

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Date 6/8/10

ROUTE FAU 1537 DESCRIPTION \_\_\_\_\_ LOGGED BY FM

SECTION \_\_\_\_\_ LOCATION \_\_\_\_\_ SEC. TWP. RNG. \_\_\_\_\_

COUNTY Cook DRILLING METHOD \_\_\_\_\_ SS \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T U R E	Surface Water Elev.		
					ft	ft	
BORING NO. RW-05 Station	H	S	Q <sub>u</sub>	T	Groundwater Elev.:		
					ft	ft	
Offset					First Encounter	ft	
Ground Surface Elev.	515.81	(ft)	(/6")	(1st)	(%)	Upon Completion	ft
						After Dry Hrs.	ft
Clay, some silt, trace gravel, gray, hard (continued)							
	576.81						
Clay, some stone, silt & sand, gray, hard							
	13						
	19	4.8	11.3				
	24						
	45						
	19						
	50		11.4				
End of Boring	568.81						

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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COUNTY Cook DRILLING METHOD \_\_\_\_\_ SS \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T U R E	Surface Water Elev.		
					ft	ft	
BORING NO. SB-01 Station	H	S	Q <sub>u</sub>	T	Groundwater Elev.:		
					ft	ft	
Offset					First Encounter	578.5 ft	
Ground Surface Elev.	616.52	(ft)	(/6")	(1st)	(%)	Upon Completion	587.5 ft
						After Hrs.	ft
Topsoil, silty clay, dark brown							
	615.52						
Possible fill, clay, trace silt & gravel, brown & gray, very stiff							
	6						
	5	2.5	22.9				
	7						
	613.52						
Clay, some silt, trace gravel, brown clay, very stiff							
	3						
	5	2.3	20.0				
	6						
	611.52						
Clay, trace silt & gravel, brown & gray, hard to very stiff							
	5						
	6	3.9	19.2				
	8						
	588.52						
Clay, some stone, trace shale, gray, hard							
	4						
	7	3.6	16.4				
	11						
	610.52						
Clay, trace silt, gravel & shale, gray, hard							
	5						
	7	4.2	16.7				
	10						
	5						
	7	6.7	17.5				
	10						
	5						
	7	3.1	16.1				
	9						
	7						
	9	4.3	17.1				
	13						
	20						

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STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T U R E	Surface Water Elev.		
					ft	ft	
BORING NO. SB-01 Station	H	S	Q <sub>u</sub>	T	Groundwater Elev.:		
					ft	ft	
Offset					First Encounter	578.5 ft	
Ground Surface Elev.	616.52	(ft)	(/6")	(1st)	(%)	Upon Completion	587.5 ft
						After Hrs.	ft
Coarse sand, gray, wet, medium, dense (continued)							
	574.52						
Coarse sand, gravel & sand, gray, wet, dense							
	10	6.4	11.7				
	15						
	574.52						
Fractured limestone, some gravel & sand, gray, wet, very dense							
	11						
	12						
	15	7.5	7.8				
	16						
	19	8.7	11.6				
	23						
	570.52						
End of Boring							
	568.52						
	50		8.3				
	50						
	50						

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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FILE NAME = P:\2010\1537\2010\_CAD\2010\_Drawing\Sheets\Structure\1537-7726-1001-sh164-Boring Log.dgn

<b>AECOM</b>	USER NAME = dabezzio	DESIGNED - DD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<i>SOIL BORING LOGS</i>	F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 154
	PLDT SCALE = 2:1' / 1"	CHECKED - EJO	REVISED -			SCALE:	SHEET NO. 64 OF 65 SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 63556
	PLDT DATE = 2/17/2011	DATE - 01/10/2011	REVISED -							