

BD 508A

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SOIL TEST DATA

ROUTE
SECTION
COUNTY
LOCATION

XYZ-99
999-1234.2, 999-1243.3 to 999-1243.6
Cook
Somewhere, IL

LAB. NO.		123	124	125	126
STATION		1843+40 E.B.	1843+40 E.B.	1843+40 E.B.	1843+40 E.B.
OFFSET		20.00ft L of EB cL	20.00ft L of EB cL	20.00ft L of EB cL	20.00ft L of EB cL
DEPTH	ft	2.00 - 3.00	4.00 - 5.00	6.00 - 7.00	11.00 - 11.50
AASHTO CLASSIFICATION		A-7-6(27)	A-7-6(18)		
ILLINOIS TEXTURAL CLASSIFICATION		Clay	Silty Clay		
GRADATION PASSING - 1"	%	100	100		
3/4"	%	100	100		
1/2"	%	100	100		
NO. 4	%	100	100		
NO. 10	%	100	100		
NO. 40	%	99.5	100		
NO. 100	%	92.0	100.0		
NO. 200	%	76.0	92.0		
SAND (AASHTO T-88)	%	24.0	8.0		
SILT (AASHTO T-88)	%	43.2	58.8		
CLAY (AASHTO T-88)	%	32.8	33.3		
LIQUID LIMIT (AASHTO T-89)	%	62.0	41.0		
PLASTICITY INDEX (AASHTO T-90)	%	33.0	18.0		
STD. DRY DENSITY pcf (AASHTO T-99)		120.4			
OPTIMUM MOISTURE (AASHTO T-99)	%	12.9			
SUBGRADE SUPPORT RATING		FAIR	FAIR		
INSITU MOISTURE	%	15		19	22
IMMED. BEARING VALUE (at optimum)	%	4.1			
ILLINOIS BEARING RATIO	%	5.6			
SWELL	%	0.9			
pH		7.7			
RECOMMENDED LIME	%	4			
STD. DRY DENSITY w/LIME pcf		116.1			
OPTIMUM MOISTURE w/LIME	%	14.5			
IMMED. BEARING VALUE w/LIME	%	9.7			
ILLINOIS BEARING RATIO w/LIME	%	8.4			
REMARKS		From borrow area A	From borrow area B		