

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F-ARTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249B-R	COOK	64	45
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
Sheet 21 of 22			Contract No. 62539	

Illinois Department of Transportation
Soils Division
FAU 2843/Dixie Highway
over Butterfield Creek

SECTION 3249 B-R LOCATION SEC. TWP. RNS. LOGGED BY

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. Station

BORING NO. B-3 Station 78+55.0 Offset 21.500 ft. Ground Surface Elev. 537.12 ft. (N) (87) (84) (74)

1' Asphalt over 8" concrete

3.33' 21.0' F.C.L. silty clay with sand & gravel, brown-gray, very soft to soft

1.8' 14.0' 0' B

3.3' 21.0' FINE SAND, some rock, gray, dense, very wet

3.3' 21.0' SILTY LOAM, silty gravel, gray, med. dense to loose, moist to wet

12.0' 12.0' SILTY CLAY with sand & gravel, gray, wet, dense to extremely dense

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Instabilities). The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-99)

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Asphalt over 8" concrete

3.33' 21.0' SILTY CLAY with sand & gravel, brown & dk. brown, soft

3.3' 21.0' SANDY LOAM, gray, loose, moist

3.3' 21.0' SANDY LOAM, loose gravel, gray, loose to med. dense

3.3' 21.0' SAND & GRAVEL, silty, gray, med. dense to loose

LOAM, with gravel, gray, med. dense

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3.33' 21.0' SANDY LOAM, gray, very wet, loose

LOAM, brown, very loose

SANDY LOAM, silty, greenish brown, very wet, loose to med. dense

SANDY LOAM, silty, brown, extremely dense

FINE SAND, silty, gray, med. dense

LOAM, with gravel, gray, med. dense

SANDY LOAM, silty, brown, gray, loose

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3.33' 21.0' SILTY CLAY, silty, brown, med. stiff

CLAY LOAM, silty, brown, med. stiff

SAND & GRAVEL, silty, gray, wet, loose to med. dense

SANDY LOAM, silty, brown, gray, med. dense

SANDY LOAM, silty, brown, gray, med. dense

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3.33' 21.0' SILTY CLAY with sand & gravel, gray, wet, dense to extremely dense (continued)

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REVISIONS	
NAME	DATE

SOIL BORINGS

DIXIE HIGHWAY OVER
BUTTERFIELD CREEK
F.A.U. ROUTE 2843 SECTION 3249B-R
STA. 78+55.00
COOK COUNTY
STRUCTURE NUMBER 016-7946

SCALE: NOT-TO-SCALE
DATE 6-25-09

DRAWN BY BY
DESIGNED BY BS
CHECKED BY PK

