

LEGEND - CLAUDE H. HURLEY COMPANY TEST BORING LOGS

A-1 to A-8 Engineering classifications of soil in accordance with AASHTO M 145 standard specification.
Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart.
Laminated Coal Shale Textural and engineering classification of bedrock in accordance with conventional practice.
N,Bp0.15m N-value or standard penetration test value. Number of blows required to drive a standard split-spoon sampler 0.15 m as conducted in accordance with AASHTO T 206 standard specification.

Qu, kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.
w, % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.
Yd, kgpm^3 Dry unit weight of soil and bedrock in kilograms per cubic meter determined in accordance with standard practice.

GROUNDWATER DATA
DRILLING METHOD
SAMPLE TYPE
DD Water Level During Drilling
BAR Water Level Before Auger Removal
AAR Water Level After Auger Removal
DC Dry Cave Level
WC Wet Cave Level
d Days
h Hours
FA Flight Auger
RW Rotary Wash
HSA Hollow Stem Auger
AU Auger
SS Standard Split-barrel
ST Thin-walled Tube
DB Core Barrel

NOTES:

1. The abbreviations, symbols and definitions in this Legend are commonly used and understood in the engineering and construction practices and are presented only for information and communication.
2. The Geotechnical Data presented in this Legend and on the Boring Logs are to be interpreted by personnel educated, trained, experienced and licensed to practice Geotechnical Engineering, and in direct communication with the Claude H. Hurley Company.

Table with 5 columns: ROUTE No., SECTION, COUNTY, TOTAL SHEETS, SHEET No. Values: FAI 74, \*, TAZEWELL, 1366, 594

STA. TO STA. ILLINOIS PROJECT

SHEET 49 OF 56

BORING LOG table for SB-240. Includes project info, logs for silty loam, sand, and shale with columns for depth, classification, and groundwater data.

BORING LOG table for SB-240 (CONT.). Continuation of the log with similar columns to the previous page.

BORING LOG table for SB-243. Includes project info, logs for silty loam, sand, and shale with columns for depth, classification, and groundwater data.

2/3/2005

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Table with 2 columns: ACTION, NAME. Rows: DESIGNED WJZ, CHECKED SWS, DRAWN RMG, CHECKED DJM

alfred benesch & company CONSULTING ENGINEERS 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601 JOB NO. 3573

ILLINOIS DEPARTMENT OF TRANSPORTATION RAMP K-2 OVER MAIN ST & RAMP J-3 F.A.I. ROUTE 74 (I-74) SECTION 90-IHB-5 SOIL BORING LOGS SB-240 & SB-243 STA. 090-0156 TAZEWELL CO., IL. STA. 10+529.222 DATE: 12-23-04