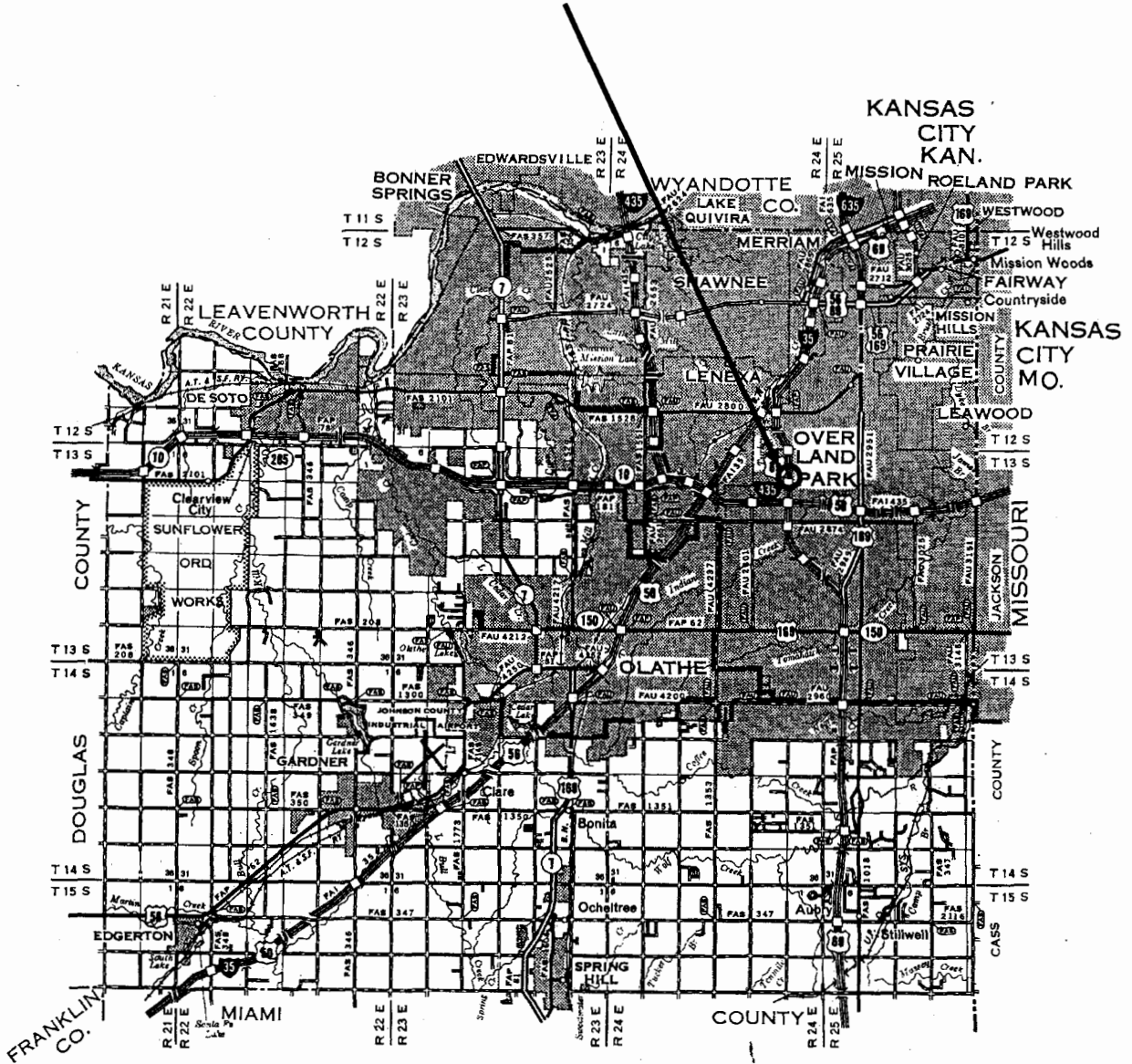


Regional Geologist

September 2003

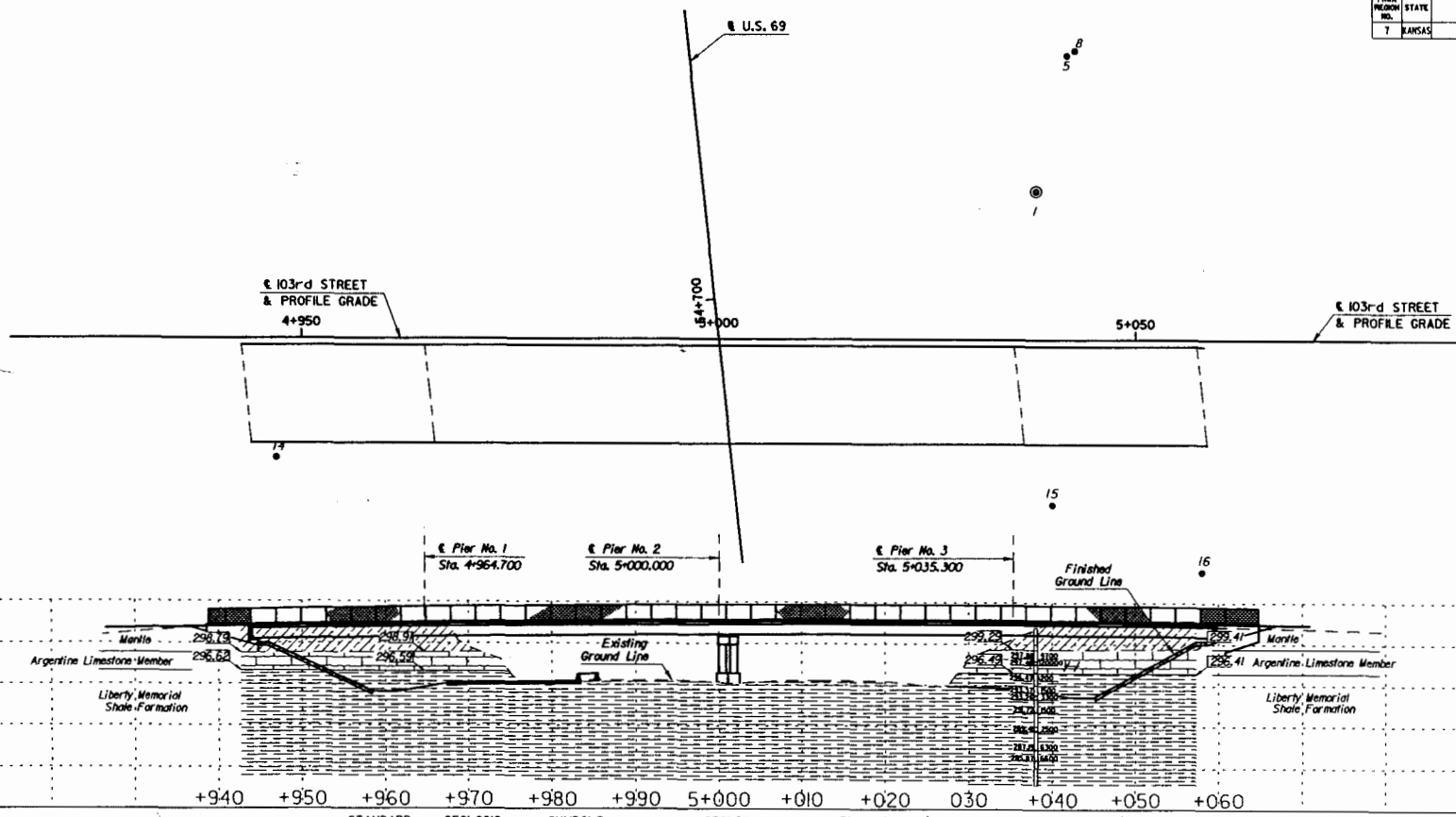
2-13-24E  
SE SE

435-46 K-8262-01  
435-46 K-7451-01  
103<sup>rd</sup> Street over US 69  
Bridge No. 69-46-14.80(337)  
69-46-14.81(338)



Johnson County

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	435-46 K-745-G 435-46 K-8262-G			



Plotted by: J. Bennett  
 Plot File: C:\Users\jrbennett\Documents\Projects\EB 103rd Street\EB 103rd Street.dwg  
 Plot Date: 4/18/2007  
 View: PLOT2

<table border="0"> <tr> <td></td> <td>Clay</td> <td></td> <td>Caliche</td> <td></td> <td>Weathered Shale</td> <td></td> <td>Limestone</td> </tr> <tr> <td></td> <td>Silty Clay</td> <td></td> <td>Silty Clayey Shale</td> <td></td> <td>Sandstone</td> <td></td> <td>Cherty Limestone</td> </tr> <tr> <td></td> <td>Silt</td> <td></td> <td>Limy Shale</td> <td></td> <td>Shaly Sandstone</td> <td></td> <td>Shaly Limestone</td> </tr> <tr> <td></td> <td>Sand</td> <td></td> <td>Black or Fossiliferous Shale</td> <td></td> <td>Siltstone</td> <td></td> <td>Sandy Limestone</td> </tr> <tr> <td></td> <td>Gravel</td> <td></td> <td>Sandy Shale</td> <td></td> <td>Gypsum</td> <td></td> <td>Weathered or Broken Limestone</td> </tr> <tr> <td></td> <td>Boulders</td> <td></td> <td>Gypiferous Shale</td> <td></td> <td>Coal</td> <td></td> <td></td> </tr> </table>			Clay		Caliche		Weathered Shale		Limestone		Silty Clay		Silty Clayey Shale		Sandstone		Cherty Limestone		Silt		Limy Shale		Shaly Sandstone		Shaly Limestone		Sand		Black or Fossiliferous Shale		Siltstone		Sandy Limestone		Gravel		Sandy Shale		Gypsum		Weathered or Broken Limestone		Boulders		Gypiferous Shale		Coal			<p><b>STANDARD GEOLOGIC SYMBOLS</b></p> <p><b>SOUNDINGS</b></p> <ul style="list-style-type: none"> <li>● Coredrill</li> <li>○ Power auger</li> <li>○ Hand tools</li> <li>⊙ Air hammer</li> <li>▼ Dutch cone penetrometer</li> <li>— Water level</li> </ul> <p>09/03</p> <p><b>CASING DRIVE TEST</b></p> <p>1000.0 Elevation Interpolated or from adjacent soundings</p> <p>1000.0 Actual sounding elevation</p> <p>1000.0 Drive started</p> <p>1000.0 Refusal</p>	<p><b>PROFILE</b></p> <p>Elevation kPa</p> <p>Graphic representation of Drive Test in seconds per 300 mm penetration</p> <p>UNCONFINED COMPRESSION TEST</p> <p>Elevation SPT N-value</p> <p>STANDARD PENETRATION TEST</p> <p>Graphic representation of Static Cone Penetration Test in kg per 300 mm penetration</p> <p>AIR HAMMER DRIVE TEST Scale: 15mm = 300 Seconds Horiz.</p> <p>DUTCH CONE PENETROMETER TEST Scale: 25mm = 100 kPa Horiz.</p>	<p>NOTE: Soundings shown on these plans are taken from notes obtained in the field and represent the best information available. Logs of these soundings are in the files of the Kansas Department of Transportation and are available at their offices at Topeka, Kansas for inspection by interested and qualified bidders.</p> <p>SCALE: h250</p> <table border="1"> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>NO.</td> <td>DATE</td> <td>REVISIONS</td> <td>BY</td> <td>APP'D</td> </tr> <tr> <td colspan="5" style="text-align: center;">         KANSAS DEPARTMENT OF TRANSPORTATION          BR. NO. 69-46-14.8(1337) STA. 54+635.087  <b>ENGINEERING GEOLOGY</b>          EB 103RD STREET OVER U.S. 69          PROJ. NO. 435-46 K-8262-G JOHNSON, CO.          SHEET NO. OF SHEETS          TOTAL NO. OF SHEETS          DATE PL. DATE DR. DATE CK.       </td> </tr> </table>	3					2					1					NO.	DATE	REVISIONS	BY	APP'D	KANSAS DEPARTMENT OF TRANSPORTATION BR. NO. 69-46-14.8(1337) STA. 54+635.087 <b>ENGINEERING GEOLOGY</b> EB 103RD STREET OVER U.S. 69 PROJ. NO. 435-46 K-8262-G JOHNSON, CO. SHEET NO. OF SHEETS TOTAL NO. OF SHEETS DATE PL. DATE DR. DATE CK.				
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