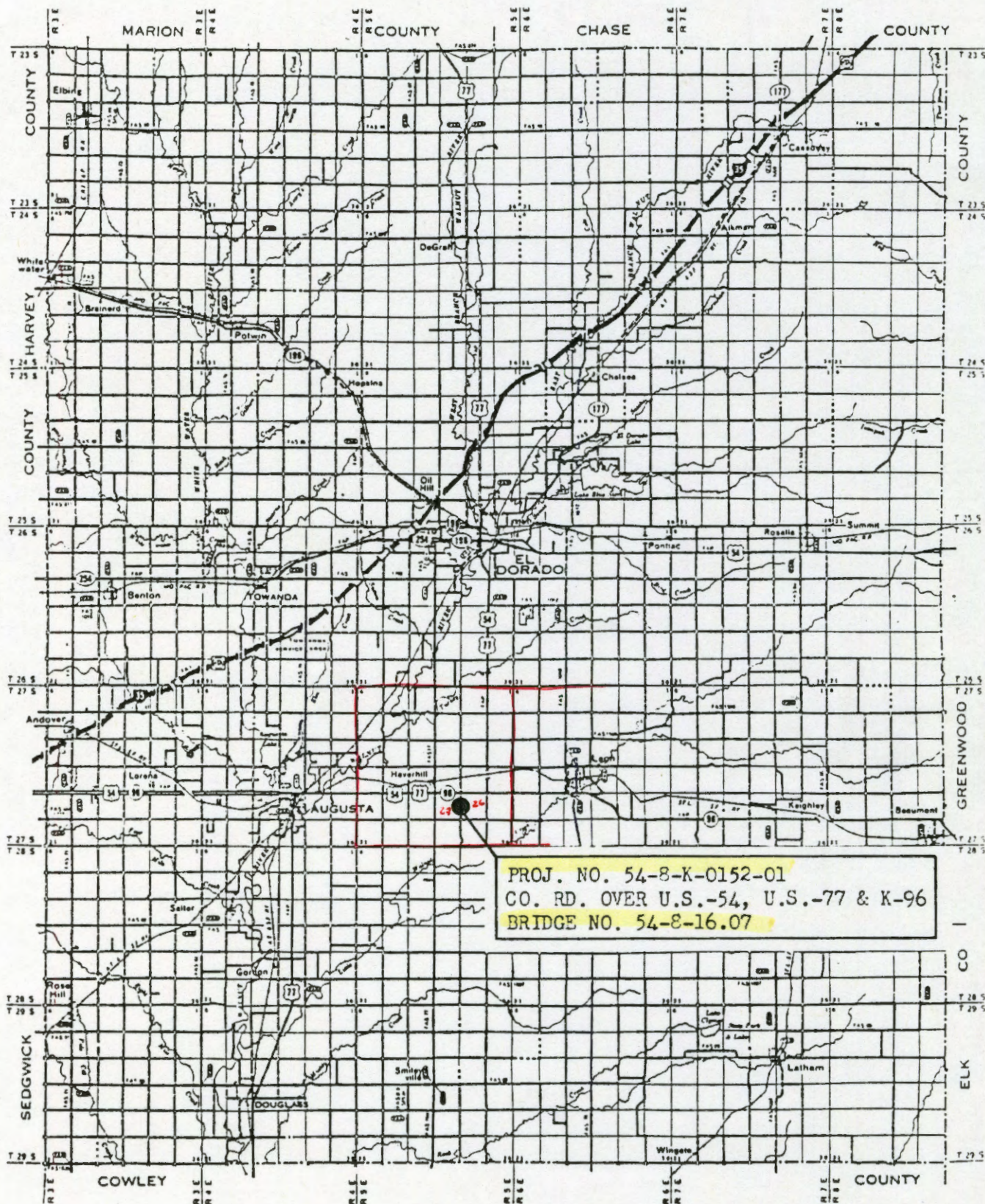




PROJ. NO. 54-8-K-0152-01  
 CO. RD. OVER U.S.-54, U.S.-77 & K-96  
 BRIDGE NO. 54-8-16.07

E2 E2  
 NE NE 27-27S-5E  
 0-63'  
 chase  
 Fort Riley Limestone



GENERAL HIGHWAY MAP  
 BUTLER COUNTY  
 KANSAS

PREPARED BY THE  
 STATE HIGHWAY COMMISSION OF KANSAS  
 DEPARTMENT OF PLANNING AND DEVELOPMENT  
 IN COOPERATION WITH THE  
 U. S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 1970

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|----------------------------------------|------|--------------------------------------------|------|----------------------------------|-------|-------------------------|------|------|-------|
| COUNTY <u>Butler</u>                   |      | PROJECT NO. <u>54-8-RF038-4(26)</u>        |      |                                  |       | BRIDGE NO. <u>16.07</u> |      |      |       |
| 2 STA. <u>35+36<sup>93</sup>-50+00</u> |      | NAME <u>STA. 49+45<sup>0</sup>, 11 RT/</u> |      |                                  |       | SOUND. NO. <u>1</u>     |      |      |       |
| GROUNDWATER EL. <u>1320.9</u>          |      | VERTICAL SCALE <u>1"=10'</u>               |      |                                  |       | DATE <u>June 1980</u>   |      |      |       |
| B.M. NO. <u>34B</u>                    |      | B.M. EL. <u>1333.13</u>                    |      | SUBMITTED BY <u>Albert Stout</u> |       |                         |      |      |       |
| POINT                                  | B.S. | H.I.                                       | F.S. | ELEV.                            | POINT | B.S.                    | H.I. | F.S. | ELEV. |
| See attached Sheet                     |      |                                            |      |                                  |       |                         |      |      |       |
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| FORM     | BIT              | EL.  | LOG       | ACC. DEP. | GEOLOGIC DESCRIPTION AND REMARKS                                                                        | CASING DRIVE REC. DEPTH | BL/10 |
|----------|------------------|------|-----------|-----------|---------------------------------------------------------------------------------------------------------|-------------------------|-------|
| ALLUVIUM | 5 1/2" Hawthorne | 1330 | 4" Casing |           | THE 1328.8                                                                                              |                         |       |
|          |                  |      |           | 7.0       | Clay, brown silty gravel upper 2'                                                                       |                         |       |
|          |                  | 1320 |           | 7.4       | Clay, tan to yellow gray 1321.8                                                                         |                         |       |
|          |                  |      |           | 8.0       | Limestone, soft, badly weathered, clay in cavities 1321.4                                               | 1319.8                  |       |
|          |                  |      |           | 8.2       | Limestone, much firmer tan-gray 1320.8                                                                  |                         |       |
|          |                  |      |           | 9.3       | washed weathered Limestone 1320.6                                                                       |                         |       |
|          |                  |      |           |           | Core #1 Cut 5' Rec 5'                                                                                   |                         |       |
|          |                  | 1310 |           |           | 2' Limestone, tan, very porous 1319.5                                                                   |                         |       |
|          |                  |      |           |           | 1' Limestone, brown, many solution cavities                                                             |                         |       |
|          |                  |      |           | 14.3      | 1' Limestone, tan, fine grained 1314.5                                                                  |                         |       |
|          |                  |      |           |           | Core #2 Cut 5' Rec 5'                                                                                   |                         |       |
|          |                  | 1300 |           | 19.4      | 5' Limestone, tan to gray tan, fine grained, some solution porosity 1309.4                              |                         |       |
|          |                  |      |           | 25.5      | Limestone, gray to tan-gray, firm, fine grained occasionally with thin yellow-brown softer zones 1303.3 |                         |       |
|          |                  | 1290 |           | 39.0      | Limestone, gray, fine grained, firm, light chatter occasional thin softer zones, fossiliferous 1289.8   |                         |       |
|          |                  |      |           | 42.0      | Limestone, gray somewhat less firm, occasional chatter 1286.8                                           |                         |       |
|          |                  |      |           | 45.7      | Limestone, gray firmer, chatter 1283.1                                                                  |                         |       |
|          |                  | 1280 |           | 57.5      | Limestone, tan to yellow brown, light chatter, fine grained 1271.3                                      |                         |       |
|          |                  |      |           | 58.0      | Limestone, gray, chatter at 57' 1270.8                                                                  |                         |       |
|          |                  |      |           | 61.4      | Limestone, tan, light chatter slightly heavier near 60' 1267.4                                          |                         |       |
|          |                  | 1270 |           | 63.2      | Limestone, tan, with gray chert, heavy chatter in the chert 1265.6                                      |                         |       |
|          |                  |      |           |           | TD=63.2 (El. 1265.6)                                                                                    |                         |       |
|          |                  | 1260 |           |           |                                                                                                         |                         |       |