

STATE HIGHWAY COMMISSION OF KANSAS

March 1960

MEMORANDUM TO: MR. H. O. REED, ENGINEER OF DESIGN

FROM: MR. VIRGIL A. BURGAT, CHIEF GEOLOGIST  
By Paul C. Clark, John L. Hood, Alvis H. Stallard,  
and Phil Worley, Geologists  
Wallace Taylor, Regional Geologist

SUBJECT: Geological Report  
Project 13-75-K 1071 (3) Fostoria to Blaine  
Pottawatomie County

I N T R O D U C T I O N

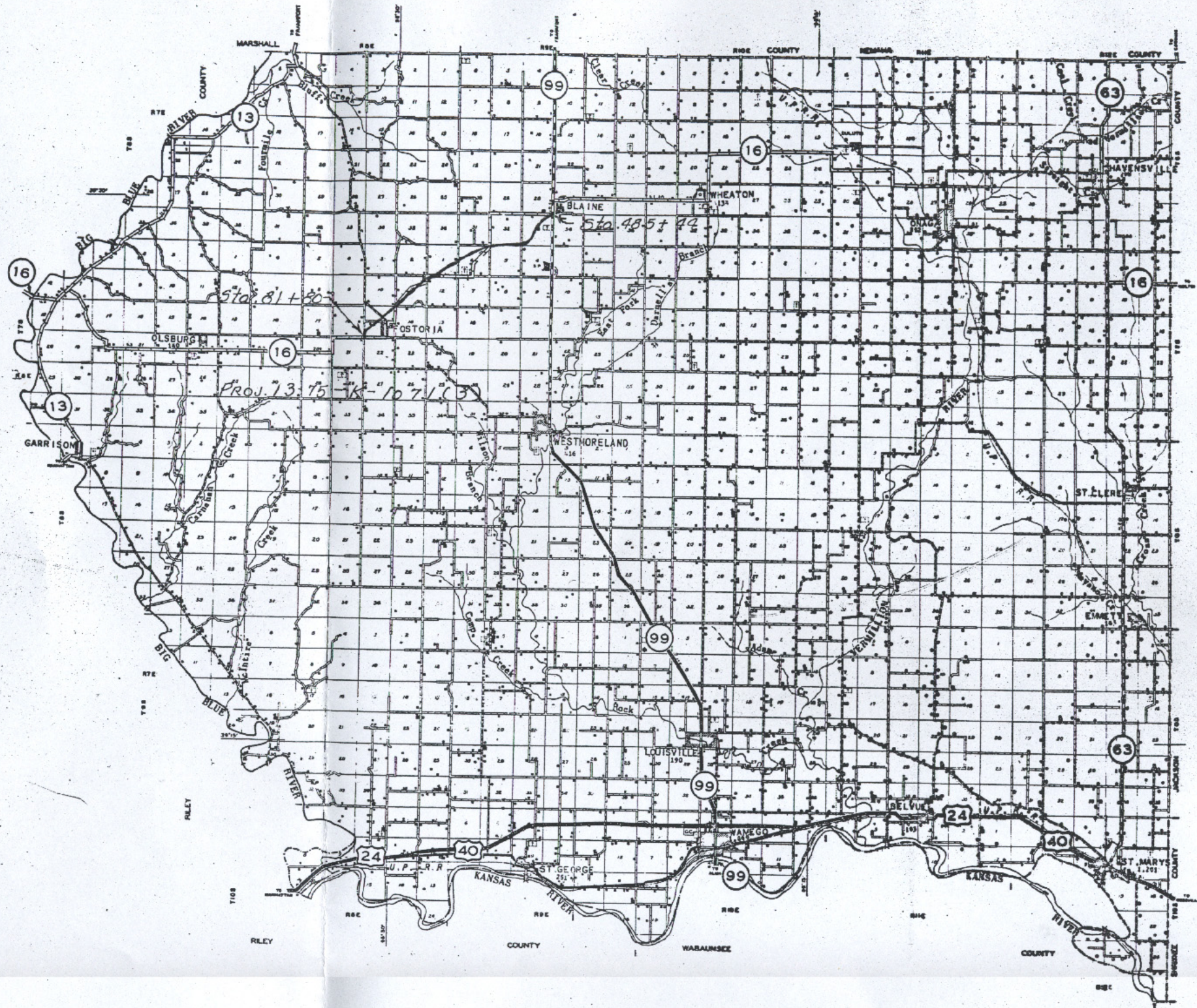
This report presents geological information obtained by the Kansas State Highway Commission through field study and is submitted for use in the design and construction of the above project with reference to the formations that occur and the engineering problems affected by the geology of the project.

The report is divided into three sections for the purpose of grouping the information and discussion of the different phases. This report is intended to be complete within itself, but is best used in connection with the Geo-Engineering Survey.

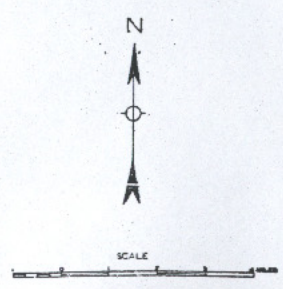
I N D E X O F S E C T I O N S

|             |   |
|-------------|---|
| Section I   | Geological Description and Formational Sequence |
| Section II  | Geology of the Project                          |
| Section III | Geo-Engineering Aspects and Recommendations     |





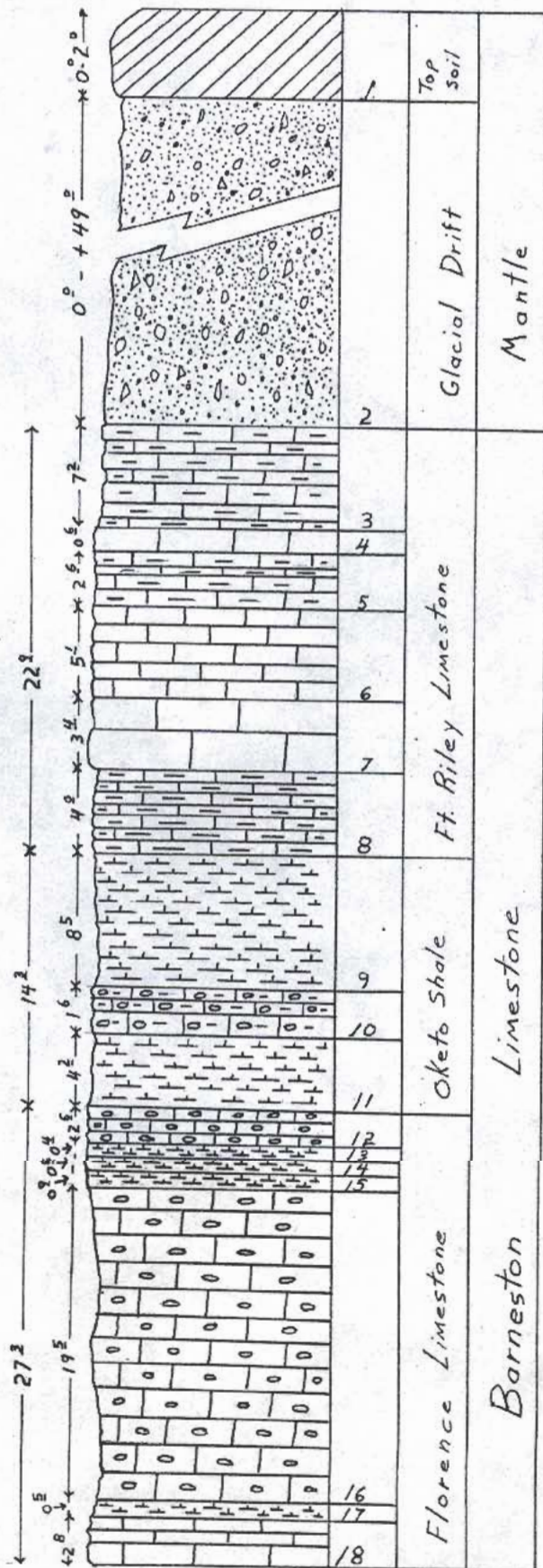
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SECTION I

Geological Description and Formational Sequence



Quaternary System

Recent Series

Mantle

Top Soil

1. Silty Clay, dark gray brown.

Glacial Drift

2. Silty clay, tan-brown to gray, contains bands of maroon and green, local deposits of chert gravel, small sand and gravel lenses, caliche zones and scattered small erratics.

Permian System

Woldcampian Series

Chase Group

Barneston Limestone

Ft. Riley Limestone Member

3. Limestone, shaly, very platy, light gray.

4. Limestone, blocky, dense, cellular, light gray.

5. Limestone, Shaly, platy, light gray.

6. Limestone, blocky, light gray to buff.

7. Limestone, blocky, very light gray, "Rim Rock".

8. Limestone, shaly, buff.

Oketa Shale Member

9. Shale, limy, blue-gray.

10. Limestone, shaly, scattered chert nodules, gray.

11. Shale, limy, blue-gray.

Florence Limestone Member

12. Limestone, cherty, light gray.

13. Shale, limy, platy, light gray.

14. Shale, limy, platy, blue-gray.

15. Shale, limy, platy, blue-gray.

16. Limestone, light gray.

17. Shale, limy, platy green.

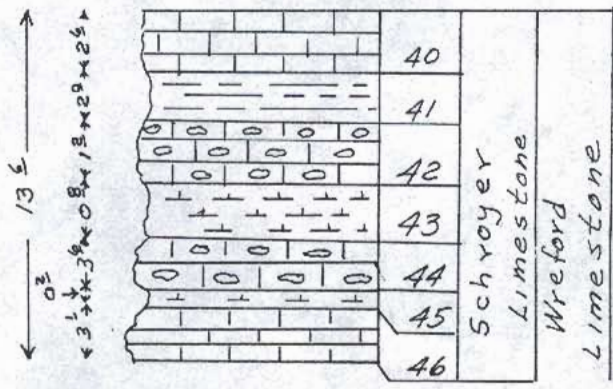
18. Limestone, blocky, weathers platy, light gray, weathers buff.







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Wreford Limestone  
Schroyer Limestone Member

- 40. Limestone, blocky, cellular, light gray.
- 41. Shale, platy, green.
- 42. Limestone, cherty, buff.
- 43. Shale, platy, limy, green.
- 44. Limestone, contain chert bands, buff.
- 45. Shale, platy, limy, green.
- 46. Limestone, blocky, light gray.