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UNIVERSITY OF KENTUCKY
ENGINEERING RESEARCH

PROCEEDINGS OF THE
KENTUCKY HIGHWAY CONFERENCE
MARCH 10-11, 1964

Edited By
E. EVERETT ELSEY
Professor of Engineering Research

BULLETIN NO. 72
JUNE 1964

The Engineering Experiment Station
College of Engineering
University of Kentucky
Lexington
The Engineering Experiment Station of the College of Engineering was established on July 1, 1946, by an act of the Board of Trustees of the University of Kentucky. Its objectives are:

1. To organize, initiate and promote engineering research of special interest to the State.

2. To aid and consult with industry regarding its research problems.

3. To promote the conservation and utilization of the State’s resources.

4. To provide support for research training in the fundamental and applied sciences.

The management of the Engineering Experiment Station is vested in a Director and an Executive Committee which controls its policies and operation. They are as follows:

Director: Dean of the College of Engineering
Chairman of the Department of Chemical Engineering
Chairman of the Department of Civil Engineering
Chairman of the Department of Electrical Engineering
Chairman of the Department of Mechanical Engineering
Chairman of the Department of Mining and Metallurgical Engineering

To make available to the interested public the results of its industrial research and investigations, the Engineering Experiment Station publishes and distributes a series of bulletins each year.

For copies of publications or for other information address:

Engineering Experiment Station
University of Kentucky
College of Engineering
Lexington, Kentucky 40506
Purpose

The annual Kentucky Highway Conference has as its purpose the interchange of ideas and dissemination of information among those concerned with the technical and administrative aspects of design construction and maintenance of public roads and streets.

Sponsored by
UNIVERSITY OF KENTUCKY
COLLEGE OF ENGINEERING
UNIVERSITY OF KENTUCKY
EXTENDED PROGRAMS
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

Program

TUESDAY, MARCH 10, 1964 - 8:00-9:30 A.M. - E.S.T.
Registration - Memorial Hall.
General Session - Memorial Hall. Presiding: Judge T. B. Birkhead, Daviess County.
1. Invocation - Rev. Dudley Barksdale, Canterbury House, University of Kentucky.
2. Welcome to University - Dr. John W. Oswald, President, University of Kentucky.

12:00-1:45 P.M.
Luncheon - Grand Ballroom, Student Center. Presiding: Honorable Fred E. Fugazzi, Mayor, Lexington.
Address: "The Appalachian Regional Development Program - A Report," John Whisman, Assistant to Governor Breathitt for Area Development and Executive Secretary for the President's Appalachian Regional Commission.

2:00-4:30 P.M.
2. "Kentucky Highway Research Program"
   Part I - J. H. Havens, Director, Division of Research.
   Part II - R. C. Deen, Assistant Director, Division of Research.
   *This will be published as a separate Engineering Experiment Station Bulletin of September, 1964.
WEDNESDAY, MARCH 11, 1964-9:30-12:00 A.M.-E.S.T.

1. "Planning for Highway Safety," John Hutchinson, Civil Engineering Department, University of Illinois (Joining the staff of the University of Kentucky Civil Engineering Department in June, 1964).
   a. Advertising and Letting—J. M. Phillips, Director, Division of Highway Information.
   b. Big Preparation—R. E. Gaddie, Past President, Kentucky Association of Highway Contractors.
   c. Award Procedure—William T. Judy, Director, Division of Contract Control.

12:00-1:45 P.M.
Address: Honorable Edward T. Breathitt, Governor, Commonwealth of Kentucky.

2:00-4:30 P.M.
Technical Division Sections
   3. Discussion Period.

      a. T. J. Hopgood, Director, Division of Maintenance.
      b. G. W. Gard, Consultant to Department of Public Works, City of Lexington.
   4. Discussion Period.

III. Structural Session—Room 206, Student Center. Presiding: E. C. Smith, Director, Division of Bridges.
      b. Substructures—Richard E. Whittaker, Field Engineer.
      c. Superstructures—Stanley T. Sylvanstrak, Field Engineer.
   3. Discussion Period.
IV. County and Rural Roads—Room 249, Student Center. Presiding: M. W. Tinder, Deputy Commissioner of Rural Highways.
2. Comments—H. H. Sandusky, Director, Division of Rural and Secondary Highways.
3. Discussion Period.

6:00 P.M.
Entertainment: Lexington Department of Recreation, Mrs. Frank Henry, Directing.

SIXTEENTH KENTUCKY HIGHWAY CONFERENCE COMMITTEE
D. K. Blythe, Chairman, Civil Engineering Department, Co-Chairman
W. B. Drake, Assistant Highway Engineer for Planning and Research, Co-Chairman
Vic Comley, Assistant Executive Secretary, Kentucky Association of Highway Contractors
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K. B. Johns, Assistant to the State Highway Engineer
S. A. Mory, Professor of Structural Engineering
J. M. Phillips, Director of Highway Information
H. H. Sandusky, Director of Rural and Rural Secondary Highways
W. O. Snyder, Executive Secretary, Kentucky Association of Highway Contractors
W. B. Stamper, Assistant to the Commissioner of Highways