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UNIVERSITY OF KENTUCKY
ENGINEERING RESEARCH

Proceedings of the
Kentucky Highway Conference
November 16-17, 1965

Edited By
E. EVERETT ELSEY
Professor of Engineering Research

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The Engineering Experiment Station
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University of Kentucky
Lexington
TABLE OF CONTENTS

Seventeenth Annual Kentucky Highway Conference Calendar of Events ........................................... 3
REMARKS by Lawrence Jones ........................................................................................................... 5
HIGHWAY BEAUTIFICATION AND SAFETY by Arthur C. Butler .................................................... 10
THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM ORGANIZATION AND STATUS by W. A. Goodwin ............................................................ 18
THE USE OF COMPUTERS IN DESIGN AND CONSTRUCTION OF KENTUCKY HIGHWAYS by Charlie P. Brown ................................................................. 37
THE CRITICAL PATH METHOD (CPM) by Donald R. Cress ............................................................ 42
HIGHWAY MANAGEMENT OPERATING SYSTEM by Robert J. Hansen ........................................ 45
THE APPLICATION OF DIGITAL COMPUTERS TO HIGHWAY LOCATION ANALYSIS by John A. Dearing and Thomas E. Morgan ................................................................. 50
PROBLEMS AND PROGRESS IN CITIES by Grover C. Ethington Jr. ............................................. 65
HIGHWAY DEPARTMENT RESPONSIBILITY FOR URBAN TRANSPORTATION PLANNING by Dudley M. Burgess ................................................................. 68
DESIGN OF BRIDGE APPROACH SLABS by George F. Bishop .................................................... 72
ORTHOTROPIC STEEL DECKS FOR HIGHWAY BRIDGES Condensation of Paper by Robert F. Wellner ........................................................................................................... 81
THE "X" FACTOR - PUBLIC AND PRIVATE ENTREPRENEURSHIP by Harry A. Boswell ........... 104
PLANNING FOR THE APPALACHIAN HIGHWAY SYSTEM by Robert W. Duis ......................... 109
THE BUREAU OF PUBLIC ROADS AND THE APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM by J. B. Kemp ................................................................. 119
APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM IN KENTUCKY by Calvin G. Grayson .... 126
List of Publications .......................................................................................................................... 135
SEVENTEENTH ANNUAL
KENTUCKY
HIGHWAY
CONFERENCE
NOVEMBER 16-17
1965

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
COLLEGE OF ENGINEERING
UNIVERSITY OF KENTUCKY
UNIVERSITY EXTENSION
UNIVERSITY OF KENTUCKY
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

PROGRAM

Tuesday, November 16
8:00-9:30 A.M.—E.S.T.
GENERAL SESSION—Memorial Hall. Presiding: Judge Anderson Moss, Ballard County, President, County Judges Association.
1. Invocation—Rev. Ed Miller, Presbyterian Student Minister, University of Kentucky.
2. Welcome to the University—Dr. A. D. Albright, Vice President, University of Kentucky.
3. Address—Henry Ward, Commissioner, Kentucky Department of Highways.

12:00-1:45 P.M.

2:00-4:30 P.M.
TECHNICAL DIVISION SECTIONS

1. "Pre-split Rock Cuts," B. L. Wheat, Construction Engineer Principal, Kentucky Department of Highways.
   a. The Kentucky Department of Highways' Use of Computers—Charlie P. Brown, Assistant to the State Highway Engineer, Kentucky Department of Highways.
   b. The Critical Path Method (DPM)—Donald R. Cress, Program Management Engineer, Kentucky Department of Highways.
   c. Highway Information System—Robert Hansen, Special Representative State and Local Government, Los Angeles, California.
   d. The Application of Digital Computers to Highway Location Analysis—Inspection trip to the University Computing Center (IBM Computers—7040, 1620, 1410, 1401 and 1050 Teleprocessing). J. A. Dearinger, Associate Professor, T. E. Morgan, Assistant Professor, Civil Engineering Department, University of Kentucky.

II. URBAN STREETS AND HIGHWAYS—DISCUSSION GROUP MEETING—Student Center, Room 206. Presiding: J. Earl Patton, City Engineer, Owensboro, Kentucky.
1. "Uniformity of Traffic Control Devices."
   a. Problems and Progress in Cities—Grover C. Ethington, Assistant Director, Division of Traffic, Kentucky Department of Highways.
2. "Why is Transportation Planning Necessary for Towns and Cities, Regardless of Size?"
   a. Questions Involving State Highway Department Responsibilities—Dudley M. Burgess, Director, Division of Planning, Kentucky Department of Highways.
   b. Questions Involving Local Level Responsibilities and Problems—William H. Qualls, Director, City-County Planning Commission, Lexington-Fayette County.
3. Color Film, "Target: Urban Mobility."
III STRUCTURAL SECTION—Student Center, Room 245. Presiding: John C. Bridwell, Design Engineer, Division of Bridges, Kentucky Department of Highways.
4. Color films, “Challenge at Carquinez” and “How to Weld USS T-1 Type A Steels.”

IV COUNTY ROAD SYSTEM AND RURAL SECONDARY SYSTEM—Student Center Theatre. Presiding: M. W. Tinder, Deputy Commissioner for Coordination and Rural Roads, Kentucky Department of Highways.
1. Address, Henry Ward, Commissioner, Kentucky Department of Highways.
2. Discussion Period, H. H. Sandusky, Director, John Witt, Assistant Director, Division of Rural Roads, Kentucky Department of Highways.

Wednesday, November 17, 1965
9:30-12:00 A.M.
GENERAL SESSION—Memorial Hall. Presiding: A. O. Neiser, First Assistant State Highway Engineer, Kentucky Department of Highways.

THE APPALACHIAN PROGRAM:
2. “Planning for the Appalachian Highway System,” Robert Duis, Engineer, E. S. Preston and Associates, Consulting Engineers, Columbus, Ohio.
4. “Kentucky’s Highways in the Appalachian Region,” Calvin Grayson, Assistant to the State Highway Engineer, Kentucky Department of Highways.

12:00-1:45 P.M.

2:00-4:30 P.M.

DISTRICT OPERATIONS—Kentucky Department of Highways:
1. Construction—Robert Hodges, Principal Assistant District Engineer, Paducah, Kentucky.
2. Traffic—R. M. O’Mara, Assistant District Engineer, Louisville, Kentucky.
3. Administration—F. D. Combs, Administrative Manager, Jackson, Kentucky.
4. Maintenance—J. W. Burton, Principal Assistant District Engineer, Madisonville, Kentucky.

6:00 P.M.
ANNUAL DINNER—Phoenix Hotel. Sponsored by the Kentucky Association of Highways. Contractors—Admission by ticket, Presiding: Emette Hart, President, Kentucky Association of Highway Contractors.

ENTERTAINMENT: Barber Shop Quartet, The Singing Colonels, Versailles, Kentucky.

SEVENTEENTH KENTUCKY HIGHWAY CONFERENCE COMMITTEE
D.K. Blythe, Chairman, Civil Engineering Department, Co-Chairman
W. B. Drake, Assistant State Highway Engineer, Co-Chairman
Vic Comley, Assistant Executive Secretary, Kentucky Association of Highway Contractors
R. C. Deen, Assistant Director, Division of Research
R. G. Figg, Director, Conferences and Institutes
J. W. Hutchingson, Associate Professor, Civil Engineering
K. B. Johns, Assistant to the State Highway Engineer
S. A. Mory, Professor of Structural Engineering
J. M. Phillips, Director, Division of Highway Information
H. H. Sandusky, Director, Division of Rural Roads
W. O. Snyder, Executive Secretary, Kentucky Association of Highway Contractors
W. B. Stamper, Assistant to the Commissioner of Highways