

Preface

Our 41st Annual Road School proved to be a most successful continuation of this annual affair held on the Purdue campus. The program subjects were varied and timely, and we were most fortunate in securing good speakers, including some outstanding guest speakers with national reputations.

REGISTRATION

The official registration totaled 777 and all of the various co-operating groups were well represented. No Road Show was held as a supplement to the Road School since it has been decided to hold the Road Show only on even-numbered years.

The following tabulation shows the classified registrations for the past five years:

CLASSIFIED ROAD SCHOOL REGISTRATIONS

	1951	1952*	1953	1954*	1955
State Highway Men	199	206	207	201	208
County Road Supervisors	61	67	75	68	64
County Road Employees	3	71	20	89	14
County Surveyors and Eng.	52	49	48	44	40
County Surveyors Deputies	8	11	10	16	5
County Commissioners	90	111	71	100	97
City Officials	66	87	70	89	68
Contractors and Employees	26	103	26	72	20
Materials and Equip. Men	109	245	132	264	117
Miscellaneous	129	163	146	157	144
Total	743	1,113	805	1,100	777

* Road Show.

City officials attending the Road School included 21 City Engineers, 20 Street Commissioners, and 27 miscellaneous city officials and employees. Out of a total of 103 cities in Indiana, 36 cities were represented at the Road School by one or more officials. The miscellaneous group included eight engineers from the U. S. Bureau of Public Roads and 75 Purdue staff and students (principally graduate students). The Materials and Equipment group included 95 materials men and 22 equipment representatives.

Nine of the 92 counties in Indiana were represented by all three of their Commissioners as well as their Surveyor and Road Supervisor. These counties were:

Allen	Jay	Putnam
Boone	Miami	Tippecanoe
Harrison	Pulaski	Vermillion

No county officials were registered from the following 17 counties:

Clark	Dubois	Montgomery	Scott
Clay	Jennings	Noble	Warrick
Crawford	Knox	Ohio	
Dearborn	Kosciusko	Pike	
Decatur	Lawrence	Ripley	



Fig. 1. Members of 1955 Road School Program Committee. Left to right: FIRST ROW—J. T. Hallett, Engineer of Roads, State Highway Department of Indiana, Indianapolis; William Holland, Executive Secretary, Indiana Highway Constructors, Inc., Indianapolis; Ben Petty, Purdue; Bruce Short, President, Highway Materials and Equipment Association, Indianapolis; J. T. White, President, Indiana Section, I.T.E., State Highway Department of Indiana, Indianapolis; Don Barry, Traffic Engineer, Fort Wayne; and Jay Shideler, President, County Highway Supervisors Association, Huntington. SECOND ROW—Claude Hodson, Executive Secretary, County Commissioners Association, Greensburg; P. E. Henebry, President, County Commissioners Association, Fort Wayne; Lewis Captain, President, County Surveyors and County Engineers Association, Bluffton; Arnold Milks, Secretary, County Surveyors and County Engineers Association, Auburn; Joe Banta, President, City Engineers Association, Shelbyville; Jan Ludwig, Secretary, Street Commissioners Association, Lafayette; Jack Brady, Secretary-Treasurer, County Highway Supervisors Association, Wabash; and F. F. Havey, Engineer of Materials and Tests, State Highway Department of Indiana, Indianapolis. THIRD ROW—Bill Sorrell, Superintendent of Maintenance, State Highway Department of Indiana, Indianapolis; Russ Cooper, Engineer of Bridges, State Highway Department of Indiana, Indianapolis; John Matthews, Purdue; Bert Nightenhelser, President, Street Commissioners Association, Noblesville; Fred Ashbaucher, Engineer of Road Construction, State Highway Department of Indiana, Indianapolis; and Bill Howard, Construction Digest.



Fig. 2. Group of speakers and guests at the Road School. Left to right: Carl Vogelgesang, Chief Engineer, State Highway Department of Indiana, Indianapolis; G. D. Jordan, Field Engineer, Solvay Process Division, Hastings, Michigan; Charles Albright, Consulting Engineer, Lafayette, Indiana (In charge Road School 1921-1924); J. R. Burch, City Manager, Manistee, Michigan; and Prof. J. H. Matthews, Purdue.

PROGRAM SESSIONS

The School opened with a general session at 10 o'clock on Monday morning. Additional general sessions were held on the afternoons of Monday, Tuesday, and Wednesday. The entire Tuesday afternoon session was devoted to reports on research being carried on by the Joint Highway Research Project at Purdue and the State Highway Department of Indiana.

It is our philosophy that anyone engaged in this big business of highway improvement should not limit his knowledge to the narrow segment in which he is particularly engaged but should utilize all means available of broadening his knowledge in the entire field of highways. To this end we schedule speakers on the general session programs from this and other states who are more or less nationally known for their knowledge and accomplishments in varied phases of highway improvement and operation.

Separate sessions for most of the cooperating groups were held on the mornings of Tuesday, Wednesday, and Thursday. These sessions are extremely valuable in pin-pointing program subjects and discussion on problems pertinent to each group's official activities and responsibilities.

OUT-OF-STATE SPEAKERS

We were particularly fortunate in being able to schedule several well known and exceptionally qualified speakers from other states including the following:



Fig. 3. Group of speakers and guests at the Road School. Left to right: J. L. Lingo, Indiana State Director of Traffic Safety, Indianapolis; A. C. Leonard, Chief, Secondary Road Branch, Bureau of Public Roads, Washington, D.C.; Fred Mason, District Traffic Engineer, Illinois Division of Highways, Springfield, Illinois; M. F. Fields, Chief Chemist, State Highway Department of Indiana, Indianapolis; H. L. Michael, Assistant Director, Joint Highway Research Project, Purdue; and H. B. Johnson, Secretary, Indiana Highway Materials and Equipment Assn., Robinson, Ill.

Jennings Randolph, Assistant to the President, Capital Airlines, and Treasurer, American Road Builders' Association, Washington, D. C.

Hal G. Sours, Associate, Howard, Needles, Tammen & Bergendoff, Consulting Engineers, Columbus, Ohio.

C. W. Kestner, District Engineer, Virginia State Highway Department, Culpeper, Virginia.

Eric G. Thorson, District Traffic Signal Engineer, Illinois Division of Highways, Elgin, Illinois.

S. J. Duncan, National Highway Sales Manager, International Salt Company, Detroit, Michigan.

John H. Bunch, City Traffic Engineer, Madison, Wisconsin.

Wilbur S. Smith, Associate Director, Yale Bureau of Highway Traffic, New Haven, Connecticut.

J. R. Burch, City Manager, Manistee, Michigan.

J. A. Leadabrand, Manager, Soil-Cement Bureau, Portland Cement Association, Chicago, Illinois.

William L. Haas, Director of Administration, Wisconsin State Highway Commission, Madison, Wisconsin.

A. C. Leonard, Chief, Secondary Road Branch, Bureau of Public Roads, Washington, D. C.

J. W. Spencer, Research and Extension Specialist, Department of Agricultural Engineering, Cornell University, Ithaca, New York.

Robert A. Cummings, Jr., Aerial Surveys, Pittsburgh, Pennsylvania.

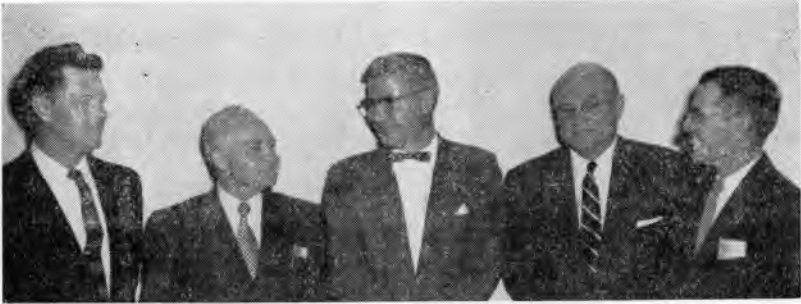


Fig. 4. Group of speakers and guests at the Road School. Left to right: Eric Thorson, District Traffic Signal Engineer, Illinois Division of Highways, Elgin; C. W. Kestner, District Engineer, Virginia Department of Highways, Culpeper, Virginia; K. B. Woods, Head, School of Civil Engineering, Purdue; Hal Sours, Associate, Howard, Needles, Tammen & Deane Walker, Member, State Highway Department of Indiana.

SMOKER

Continuing their custom of the past several years, the Lafayette Chapter, Indiana Society of Professional Engineers, sponsored the Smoker program on Monday night. The Chapter President, M. F. Cook, presided.

A sound film entitled "For Whom The Traffic Toll?" had a premiere showing at the Smoker. This film was prepared at Purdue University in cooperation with the Indiana State Legislative Study Commission on Traffic Safety as an aid in promoting greater safety on our streets and highways.

A special treat on this program was the showing and discussion of a number of colored slides by Prof. K. B. Woods, Head, School of Civil Engineering at Purdue, covering some of his experiences on varied trips into Alaska, Canada and Greenland.

BANQUET

The Road School is climaxed by the Banquet on Wednesday night. A capacity group of 400 enjoyed the food and fellowship, followed by the always enjoyable and stimulating performance of the famous Purdue Glee Club, and what was undoubtedly one of the finest banquet addresses we have ever had by Jennings Randolph of Washington, D. C.

Turning in an efficient and humorous job as Toastmaster was Associate Dean of Engineering W. A. Knapp, who was serving his last year prior to retirement as a member of the Purdue staff. Dean Knapp has been a member of the Purdue staff for 47 years and has always been an enthusiastic supporter of the Annual Road School.



Fig. 5. Group of speakers and guests at the Road School. Left to right: J. T. White, President, Indiana Section I.T.E., State Highway Department of Indiana, Indianapolis; R. L. Worley, Supervisor, State Board of Accounts, Indianapolis; Bert Nighthelmer, President, Street Commissioners Association, Noblesville; E. E. Bauer, Professor of Civil Engineering, University of Illinois, Urbana, Illinois; William Haas, Director of Administration, Wisconsin State Highway Commission, Madison, Wisconsin; and Deane Walker, Member, State Highway Department of Indiana, Indianapolis.

COOPERATING GROUPS

The 1955 Official Directory of the Road School cooperating groups follows:

OFFICIAL DIRECTORY

1955

PURDUE UNIVERSITY

Frederick L. Hovde	President
G. A. Hawkins	Dean, Schools of Engineering, and Director, Engineering Experiment Station
K. B. Woods	Head, School of Civil Engineering, and Director, Joint Highway Research Project
G. E. Davis	Director, Adult Education Division
H. L. Michael	Assistant Professor of Highway Engineering and Assistant Director, Joint Highway Research Project
Ben H. Petty	Professor of Highway Engineering and Chairman, Annual Road School

INDIANA STATE HIGHWAY DEPARTMENT

Virgil Smith, Milan	Chairman
Deane E. Walker, Culver	Member
William H. Sorrell, Knightstown	Member
Carl E. Vogelgesang, Indianapolis	Chief Engineer
Lloyd Poindexter, LaPorte	Supt. of Maintenance
Olive McConnell, Indianapolis	Chief Clerk

COUNTY HIGHWAY SUPERVISORS ASSOCIATION

William B. Slagle, College Corner, Ohio	President
Jack E. Brady, Wabash	Vice-President
C. E. Applegate, Spiceland	Vice-President
Jay H. Shideler, Huntington	Secretary-Treasurer

COUNTY SURVEYORS AND COUNTY ENGINEERS ASSOCIATION

Lewis Captain, Bluffton	President
Rohn Smith, Shelbyville	Vice-President
Herbert G. Oldham, Rockport	Vice-President
J. W. Hildebrand, Plymouth	Treasurer
Arnold Milks, Auburn	Secretary

COUNTY COMMISSIONERS ASSOCIATION

Hurshel Jacobs, Kokomo	President
Carl Medsker, Sullivan	Vice-President
Lloyd Miller, Wabash	Vice-President
Robert Hamilton, Indianapolis	Vice-President
Park Ammerman, Cambridge City	Vice-President
Claude Hanna, Roachdale	Secretary-Treasurer
Claude Hodson, Greensburg	Executive Secretary

CITY ENGINEERS ASSOCIATION

Joe Banta, Shelbyville	President
J. M. Cason, Bloomington	Vice-President
D. L. McClurg, Lafayette	Vice-President
Homer W. Fisher, Mishawaka	Secretary-Treasurer

INDIANA SECTION—INSTITUTE OF TRAFFIC ENGINEERS

James B. Neff, Indianapolis	President
John E. Baerwald, West Lafayette	Vice-President
Donald W. Barry, Fort Wayne	Secretary-Treasurer



Fig. 6. Group of speakers and guests at the Road School. Left to right: Claude Hodson, Executive Secretary, County Commissioners Association, Greensburg; John Baerwald, Research Engineer, Joint Highway Research Project, Purdue; S. J. Duncan, National Highway Sales Manager, International Salt Company, Detroit, Michigan; Ellis Danner, Professor of Civil Engineering, University of Illinois, Urbana, Illinois; and J. E. McCracken, Sales Engineer, Bethlehem Steel Co., Bethlehem, Pa.

HIGHWAY MATERIALS AND EQUIPMENT ASSOCIATION

Bruce Short, Indianapolis	(35 W. 36th St.)	President
Pershing MacAllister, Indianapolis		Vice-President
L. L. Moon, Indianapolis	(641 E. 34th St.)	Secretary
John Manwaring, Indianapolis		Treasurer

INDIANA HIGHWAY CONSTRUCTORS, INC.

Robert C. Moellering, Fort Wayne	President
Robert P. Gast, Warsaw	Vice-President
W. J. Grady, Indianapolis	Secretary-Treasurer
W. M. Holland, Indianapolis	Executive Secretary

INDIANA STREET COMMISSIONERS ASSOCIATION

Harry M. Tomlinson, South Bend	President
Charles W. Childs, Franklin	Vice-President
Tim O'Leary, Terre Haute	Vice-President
S. J. Ludwig, Lafayette	Vice-President
Ralph Lentz, Plymouth	Vice-President
Otto Bossung, West Lafayette	Secretary
A. C. McPheeters, Bedford	Treasurer

INDIANA HIGHWAY USERS CONFERENCE

Richard T. James, Indianapolis	(1840 N. Meridian)	Chairman
Harry J. Harman, Indianapolis		Vice-Chairman
Leland K. Fishback, Indianapolis	(205 Circle Tower)	Secretary



Fig. 7. Group of speakers and guests at the Road School. Left to right: Frank R. Simons, Supervisor, State Board of Accounts, Indianapolis; Ben Petty, Purdue; Ralph Simpson, Engineer-Director Indiana Mineral Aggregates Association, Indianapolis; and Lewis Captain, President, County Surveyors and County Engineers Association, Bluffton.

DIRECTORY

Copies of the 1955 edition of the Directory of Indiana State, County and City Highway Officials were made available to those attending the Road School. Copies were also mailed out on the "Highway Extension News" mailing list early in March. This is an extremely popular publication and is in great demand throughout the year.

ACKNOWLEDGMENTS

Unfortunately it is not feasible to list the names of all those who contribute to the success of this Annual Road School. Generous cooperation is always received from the officials and representatives of the various cooperating groups in programming and conducting the separate sessions. The Program Committee of the School meets annually to assist in outlining the program for the general sessions and other special features of the School. We wish to acknowledge the generous and enthusiastic support of the State Highway Department and other governmental agencies in the conduct of this annual affair. University staff and officials have been very helpful and cooperative in providing facilities, printed materials, encouragement, and backing.

The officials and employees of the Memorial Union Building where the sessions are held deserve special mention and appreciation of the efficient and friendly aid rendered in providing facilities for the various sessions.

The Purdue Bureau of Information did a fine job in publicizing the Road School.

We are deeply appreciative of the efficient, courteous and strenuous duties performed by the members of the registration staff.

Acknowledgment and appreciation are extended to the Highway Materials and Equipment Association and the Lafayette Chapter, I.S.P.E., for their customary and generous support.

Photographs in this Preface, courtesy of *Construction Digest*.

42nd ANNUAL ROAD SCHOOL

The 42nd Annual Road School is scheduled for April 2-5, 1956 in the Memorial Union Building on the Purdue campus. The Indiana Highway Materials and Equipment Association has voted to hold a Road Show in the Purdue Armory as a feature of the 1956 Road School.

BEN H. PETTY

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