

PREFACE

The 62nd Annual Purdue Road School was well attended by members of all cooperating groups. The efforts of all who gave freely of their time towards the success of this venture is gratefully acknowledged.

The 63rd Annual Road School will be held on Tuesday, Wednesday, and Thursday, March 8-10, 1977.

REGISTRATION

The official registration totaled 1,272. The following tabulation shows the classified Road School registrations over the past five years.

Classified Road School Registrations

	1972	1973	1974	1975	1976
State Highway Personnel	394	414	368	357	373
County Road Supervisors and Employees....	70	73	64	60	68
County Highway Engineers and Assistants	35	42	39	41	59
County Surveyors and Deputies	45	39	41	39	55
County Commissioners	158	160	127	156	132
County Auditors	46	50	37	40	44
City Officials	115	118	96	80	132
Contractors, Materials and Equipment					
Suppliers	129	119	113	130	219
Engineering Consultants	59	50	44	69	83
Miscellaneous	109	118	99	95	107
Total	1,160	1,183	1,028	1,067	1,272

COOPERATING GROUPS

The 1976-1977 official directory of the Road School cooperating groups is as follows:

OFFICIAL DIRECTORY

1976-1977 Officers

Purdue University

A. G. Hansen.....	President
J. C. Hancock.....	Dean, Schools of Engineering, and Director, Engineering Experiment Station
R. A. Greenkorn.....	Associate Dean, Schools of Engineering, and Director, Engineering Experiment Station

M. B. Scott.....Associate Dean, Schools of Engineering
 J. F. McLaughlin.....Head, School of Civil Engineering, and
 Director, Joint Highway Research Project
 H. L. Michael.....Professor of Highway Engineering and
 Associate Director, Joint Highway Research Project
 W. H. Goetz.....Assistant Head, School of Civil Engineering, and
 Director, Highway Extension and Research Project for
 Indiana Counties

INDIANA STATE HIGHWAY COMMISSION

Richard A. Boehning, Lafayette.....Chairman
 James F. Dumas, Fort Wayne.....Vice Chairman
 Kermit Gregory, Rising Sun.....Member
 Harold O. McCutchan, Evansville.....Member
 Jack N. Smitherman, Mooresville.....Secretary to Commission
 Roger F. Marsh, Kokomo.....Executive Director
 G. K. Hallock.....Chief Highway Engineer
 K. R. Hoover.....Deputy Chief Highway Engineer
 R. L. Eskew.....Assistant Chief Engineer-Operations
 W. H. Frick.....Assistant Chief Engineer-Development
 M. L. Hayes.....Assistant Chief Engineer-Technical Services
 W. T. May.....Assistant Chief Engineer-Highway Administration

INDIANA ASSOCIATION OF
COUNTY COMMISSIONERS

Carroll Knarr, Decatur County.....President
 Paul Anders, Whitley County.....Vice President
 Charles Troike, Starke County.....Secretary-Treasurer
 Tom Bell, Starke County.....Executive Secretary

INDIANA ASSOCIATION OF
COUNTY HIGHWAY SUPERVISORS

Ernest Collins, Newton County.....President
 Adrian Gibson, Grant County.....Vice President
 William Stovall, Tippecanoe County.....Secretary-Treasurer

INDIANA ASSOCIATION OF
COUNTY ENGINEERS

Richard Ditmars, Noble County.....President
 Richard Thompson, Huntington County.....Vice President
 Lawrence Lambert, Miami County.....Secretary-Treasurer

INDIANA COUNTY SURVEYORS ASSOCIATION

Charles Hendricks, LaPorte County.....President
 Carl Raquet, Howard County.....Vice President

Roger Woodfill, Dearborn County.....Vice President
 William L. Sweet, Allen County.....Secretary-Treasurer

INDIANA CITY ENGINEERS ASSOCIATION

John Hardwick, Valparaiso.....President
 Herbert Schuch, Muncie.....Vice President
 David Eason, Columbus.....Secretary-Treasurer
 Thomas Conley, Hammond.....Director

INDIANA STREET COMMISSIONERS ASSOCIATION

Raymond Ulrich, Kokomo.....President
 Larry Coffman, Franklin.....First Vice President
 Ivan Grenat, Lafayette.....Second Vice President
 Curtis Reid, Hartford City.....Third Vice President
 Keith Kessler, Elkhart.....Fourth Vice President
 Charles H. Keller, Madison.....Secretary-Treasurer

INDIANA SECTION INSTITUTE OF TRANSPORTATION ENGINEERS

Paul Newville, Carmel.....President
 Clinton Venable, Indianapolis.....Vice President
 Steve Holder, South Bend.....Treasurer
 Lamar Ziegler, Muncie.....Secretary
 Walter Stout, Fort Wayne.....Director

INDIANA COUNTY AUDITORS ASSOCIATION

Wendall Houser, Jay County.....President
 Dwain Laird, Shelby County.....Vice President
 Lloyd Whistler, Benton County.....Vice President
 Carol Weaver, Scott County.....Secretary-Treasurer

INDIANA HIGHWAY CONSTRUCTORS, INC.

Max Olinger, Huntingburg.....President
 Robert W. Gast, Warsaw.....Vice President
 David Michael, Frankfort.....Secretary-Treasurer
 James G. Newland, Indianapolis.....Executive Secretary

AMERICAN PUBLIC WORKS ASSOCIATION

Ronald Bonar, Fort Wayne.....President
 Joseph Harrison, Indianapolis.....Secretary-Treasurer
 John Bell, Lafayette.....Director
 John Hardwick, Valparaiso.....Director
 Jack Sargent, Elkhart.....Director



WILLIAM M. HOLLAND

The talents and services of many men have contributed to the success of the Purdue Road School and it is always with sadness that one acknowledges the passing of one of its true friends.

Bill Holland was such a man. Every year for nearly 30 years, 1936-1964, Bill assisted in the planning of the school, contributed ideas and useful suggestions, and guided the Indiana Highway Constructors as an active cooperating organization. He presided over many Road School sessions and delivered numerous papers in addition to always enhancing the Road School with his presence, especially at the annual banquet.

In 1964, Bill was presented the Ben H. Petty award at the Road School Banquet, the third recipient of that Road School honor for his "outstanding contributions to highway progress in Indiana." On February 21, 1976, just before the 1976 Road School, Bill came to the end of the road. The school missed Bill as will all future ones—but the contributions of Bill Holland to the Purdue Road School will be forever remembered.



Fig. 1. 1976 PURDUE ROAD SCHOOL agenda was reviewed during a meeting of 28 members of the planning committee at Lafayette on December 9, 1975. Front row (left to right): Prof. H. L. Michael, conference cochairman; B. R. Burch and Don Lucas, Indiana State Highway Commission; Mary Jane Weathers, Indiana County Auditors Association; W. F. Day, Indiana Association of County Commissioners; Prof. J. F. McLaughlin, head, Purdue School of Civil Engineering; Don Petty, ISHC; John Hardwick, Indiana City Engineers Association; Prof. W. H. Goetz, conference cochairman. Second row: Jack McDonald, Indiana Highway Constructors, Inc.; Paul Owens, E. W.

Walters, William Hancock, ISHC; Jim Whicker, Indiana Street Commissioners Association; Prof. John Bell, APWA and Purdue; Joe Scott, ISHC; Profs. R. D. Miles and D. G. Shurig, Purdue. Third row: Prof. J. E. Hittle, Highway Extension and Research Project for Indiana Counties; Tom Bell, Indiana Association of County Commissioners; Jim Newland, Indiana Highway Constructors, Inc.; Ernest Collins, Indiana Association of County Highway Supervisors; Prof. L. E. Wood, Purdue; R. L. Eskew, ISHC; Prof. W. L. Dolch, Purdue; D. L. Bailer, ISHC; Profs. K. C. Sinha and C. F. Scholet, Purdue.



Fig. 2. SPEAKERS AT OPENING GENERAL SESSION (left to right): Wayne Walters, ISHC, spoke about segmental bridges in Indiana. Richard Boehning, chairman, ISHC, discussed the commission's financial problems. Gene Hallock, Chief Highway Engineer, ISHC, was the session moderator. Prof. Harold Michael, Purdue, summarized JHRP research. (Not shown is Prof. Jean Hittle, Purdue, who summarized HERPIC research.)



Fig. 3. WEDNESDAY GENERAL SESSION SPEAKERS. THEME: MANAGEMENT OF THE TRANSPORTATION SYSTEM (left to right): Prof. H. L. Michael, presiding; D. W. Gwynn, chief engineer, Transportation Operations and Local Aid, New Jersey Department of Transportation; D. Sather, attorney, Northwestern Bell Telephone Company, Des Moines, Iowa; and D. E. Trull, regional federal highway administrator, Region 5, Homewood, Illinois.



Fig. 4. THURSDAY GENERAL SESSION SPEAKERS. THEME: MAKING BEST USE OF HIGHWAY FUNDS (left to right): N. E. Walton, research engineer, Texas Transportation Institute, Texas A and M; C. Burke, vice president, Roy Jorgensen and Associates, Gaithersburg, Maryland; Prof. W. H. Goetz, Purdue, presiding; and A. C. Burham, Jr., state traffic and safety engineer, Georgia Department of Transportation, Atlanta, Georgia.



Fig. 5. PAVEMENT SMOOTHNESS AWARD WINNERS (left to right): Fritz Shumaker, president, Shumaker Brothers Industries Inc.; Michael Gensic, HE IV state highway project supervisor; Robert Gast, president, Gast Construction Company; Robert Turner, HE IV state highway project supervisor; Steven L. Day, secretary, Triangle Asphalt Paving Corporation; and C. Nicholas Starr; HE IV, state highway project engineer.



Fig. 6. SAFETY AWARDS WINNERS OF ISHC (left to right): Bill Seal, safety director, Crawfordsville; Kelsey McDaniel, district engineer, Crawfordsville; Delbert Turner, subdistrict superintendent, Terre Haute; Richard Hedges, safety director, ISHC; Frank Wallace, safety director, LaPorte; and Leonard Lucas, district engineer, LaPorte.



Fig. 7. SMOOTHNESS AWARD: Gene Hallock, ISHC, right, presents second place National Asphalt Pavement Association Smoothness Award to Jim Scherocman, executive director, Asphalt Pavement Association of Indiana.



Fig. 8. NEWLY ELECTED COUNTY COMMISSIONER OFFICERS (left to right): Tom Bell, Starke County, executive secretary; Carroll Knarr, Decatur County, president; Charles Troike, Starke County, secretary-treasurer; Paul Anders, Whitley County, vice president; and William F. Day, past president.



Fig. 9. COUNTY HIGHWAY SUPERVISORS. Officers continuing in office from the previous year include (left to right): Ernest Collins, Newton County, president; Adrian Gibson, Grant County, vice president; and William Stovall, secretary-treasurer, Tippecanoe County.



Fig. 10. NEWLY ELECTED COUNTY ENGINEERS (left to right): Lawrence R. Lambert, Miami County, secretary-treasurer; Richard W. Thompson, Huntington County, vice president; and Richard Ditmars, Noble County, president.



Fig. 11. CITY ENGINEERS. Returning as president is John Hardwick, Valparaiso, center; David Eason, Columbus elected secretary-treasurer, right; and Herbert Schuch, Muncie, elected vice president, left.



Fig. 12. INDIANA STREET COMMISSIONERS 1976 OFFICERS (left to right): Keith Kessler, Elkhart, fourth vice president; Charles H. Keller, Madison, secretary-treasurer; Curtis Reid, Hartford City, third vice president; Ivan Grenat, Lafayette, second vice president; Larry Coffman, Franklin, first vice president; and Raymand Ulrich, Kokomo, president.



Fig. 13. INDIANA SECTION—INSTITUTE OF TRANSPORTATION ENGINEERS. Past and future officers for 1976 include (left to right): Gilbert Satterly, Purdue, past president; Walter Stout, Fort Wayne, director; Clinton Venable, Indianapolis, vice president; Paul Newville, Carmel, president; Steve Holder, South Bend, treasurer; Lamar Ziegler, Muncie, secretary.



Fig. 14. INDIANA COUNTY AUDITORS. All officers from 1975 will stay in office for 1976. They include (left to right): Lloyd Whistler, Benton County, vice president; Dwain Laird, Shelby County, vice president; Carol Weaver, Scott County, secretary-treasurer; and Wendall Houser, Jay County, president.



Fig. 15. AMERICAN PUBLIC WORKS ASSOCIATION 1976 OFFICERS (left to right): John Bell, Lafayette, director; Jack Sargent, Elkhart, director; Ronald Bonar, Fort Wayne, president; Joseph Harrison, Indianapolis, secretary-treasurer; and John Hardwick, Valparaiso, director.