Preface

The 67th Annual Purdue Road School was well attended by members of all cooperating groups. The efforts of all who gave freely of their time toward the success of this venture are gratefully acknowledged.

The 68th Annual Road School will be held on Tuesday, Wednesday, and Thursday, March 9-11, 1982, at Purdue University, West Lafayette, Indiana.

REGISTRATION

The official registration totaled 892. The following tabulation shows the classified Road School registrations over the past five years.

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<tbody>
<tr>
<td>State Highway Personnel</td>
<td>378</td>
<td>343</td>
<td>322</td>
<td>305</td>
<td>215</td>
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<tr>
<td>County Road Supervisors and Employees</td>
<td>82</td>
<td>60</td>
<td>71</td>
<td>68</td>
<td>74</td>
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<tr>
<td>County Highway Engineers</td>
<td>41</td>
<td>41</td>
<td>52</td>
<td>42</td>
<td>50</td>
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<tr>
<td>and Assistants</td>
<td></td>
<td></td>
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<tr>
<td>County Surveyors and Deputies</td>
<td>39</td>
<td>27</td>
<td>47</td>
<td>38</td>
<td>46</td>
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<tr>
<td>County Commissioners</td>
<td>144</td>
<td>101</td>
<td>163</td>
<td>133</td>
<td>141</td>
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<tr>
<td>County Auditors</td>
<td>37</td>
<td>37</td>
<td>36</td>
<td>40</td>
<td>34</td>
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<tr>
<td>City Officials</td>
<td>124</td>
<td>72</td>
<td>87</td>
<td>101</td>
<td>102</td>
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<tr>
<td>Contractors, Materials and</td>
<td>218</td>
<td>206</td>
<td>182</td>
<td>154</td>
<td>90</td>
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<tr>
<td>Equipment Supplies</td>
<td>66</td>
<td>77</td>
<td>71</td>
<td>84</td>
<td>72</td>
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<tr>
<td>Engineering Consultants</td>
<td>110</td>
<td>69</td>
<td>92</td>
<td>82</td>
<td>68</td>
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<tr>
<td>Miscellaneous</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Total</td>
<td>1,239</td>
<td>1,033</td>
<td>1,123</td>
<td>1,047</td>
<td>892</td>
</tr>
</tbody>
</table>

COOPERATING GROUPS

The 1981-1982 official directory of the Road School cooperating groups is as follows:
OFFICIAL DIRECTORY
1981-1982 Officers

PURDUE UNIVERSITY

A.G. Hansen .................................................................President
J.C. Hancock ..........................................................Dean, Schools of Engineering
D.A. Landgrebe .................................................Associate Dean, Schools of Engineering, and
Director, Engineering Experiment Station
J.F. McLaughlin ...........................................Associate Dean, Schools of Engineering, and
Secretary, Joint Highway Research Project
H.L. Michael ................................................Head, School of Civil Engineering, and
Director, Joint Highway Research Project
W.H. Goetz ........................................Assistant Head, School of Civil Engineering, and
Director, Highway Extension and Research Project for Indiana Counties
M.J. Gutzwiller ........................................Assistant Head for Instruction
School of Civil Engineering

INDIANA DEPARTMENT OF HIGHWAYS

Gene K. Hallock ..................................................Director

Deputy Directors

E. Wayne Walters ................................................Highway Development
Donald W. Lucas ................................................Highway Operations
Paul L. Owens ................................................Engineering and Management Services
Daniel A. Novreske .........................................Highway Administration
Kenneth R. Hoover ........................................Toll Facilities

INDIANA ASSOCIATION OF
COUNTY COMMISSIONERS

Arnold Dougherty, Wayne Co. .............................................President
Hal Doriot, Elkhart Co. ........................................Vice President
Charles Hillenburg, Lawrence Co. ................................Secretary-Treasurer
Tom Bell, Starke Co. ........................................Executive Secretary

INDIANA ASSOCIATION OF
COUNTY HIGHWAY SUPERVISORS

Gene Shurte, LaPorte Co. .............................................President
Doug Roberts, White Co. ...........................................Vice President
Dan Jones, St. Joseph Co. ..........................................Secretary-Treasurer

INDIANA ASSOCIATION OF
COUNTY ENGINEERS

David South, Fountain County ........................................President
J. William Strange, Hancock County ................................Vice President
Jim Kane, Warren County ..........................................Secretary-Treasurer
INDIANA COUNTY SURVEYORS ASSOCIATION

Kenton Ward, Hamilton Co. .............................................. President
Don Rock, Elkhart Co. .......................................................... Vice President
Rollyn Blankenbeker, Clark Co. ........................................... Vice President
John McNamara, Saint Joseph Co. ...................................... Secretary-Treasurer

INDIANA CITY ENGINEERS ASSOCIATION

Harold E. Smith, Anderson .................................................. President
Lawrence Lambert, Kokomo ................................................. Vice President
Stan Hiatt, ................................................................. Secretary-Treasurer
Maurice Callahan, Lafayette .................................................. Director

INDIANA STREET COMMISSIONERS ASSOCIATION

Jerry Haynes, Richmond .................................................... Acting President
Jim Harper, Crawfordsville ................................................. First Vice President
Al Reese, Beech Grove ..................................................... Second Vice President
William Steele, Seymour .................................................. Third Vice President
Cletus Flick, Washington .................................................. Fourth Vice President
Charles H. Keller, Madison .................................................. Secretary-Treasurer

INDIANA SECTION

INSTITUTE OF TRANSPORTATION ENGINEERS

Lamar Ziegler, Carmel ........................................................ President
Steve Hardesty, Crawfordsville ........................................... Vice President
John Meyers, Indianapolis .................................................. Treasurer
J. William Strange, Greenfield .......................................... Secretary
Tad A. Dickerson, Carmel .................................................. Director

INDIANA COUNTY AUDITORS ASSOCIATION

Jean Northenor, Kosciusko County .................................... President
Naomi Jackson, Bartholomew County ................................. 1st Vice President
Charles Miller, Elkhart County .......................................... 2nd Vice President
Sherry K. Waters, LaPorte County .................................... Secretary-Treasurer

INDIANA CONSTRUCTORS, INC.

C.W. (Wes) Kemp, Terre Haute ........................................ President
Leroy Reitmeyer, Vincennes ............................................ Vice President
Anual Sharp, Indianapolis ................................................ Secretary-Treasurer
James Newland, Indianapolis ........................................ Executive Secretary

AMERICAN PUBLIC WORKS ASSOCIATION

Carl O’Neal, Fort Wayne .................................................. President
John Hardwick, Valparaiso .............................................. Vice President
Joseph Harrison, Indianapolis ......................................... Secretary-Treasurer
Lawrence Lambert, Kokomo ........................................... Director
Roger Tate, Indianapolis .................................................. Director
John Farrar, Indianapolis ................................................ Indiana Delegate
Figure 1. Road School Planners. Members of the Road School Planning Committee are from the Indiana Department of Highways, Purdue, and various Indiana associations concerned with highways.

Bottom row, left to right: A. G. Altschaeffl, Purdue; W. H. Goetz, Purdue; Max Hunter, IDOH; R. M. Shanteau, Purdue; J. E. Hittle, Purdue; second row: H. L. Michael, Purdue; DeWayne Beer, County Supervisors; D. E. Hancher, Purdue; Dave South, County Engineers; Eugene Shurte, County Supervisors; third row: C. F. Scholer, Purdue; M. J. Gutzwiller, Purdue; Don Lucas, IDOH; Naomi Jackson, County Auditors; P. L. Owens, IDOH; fourth row: G. T. Satterly, Purdue; Bob Cales, IDOH; Jack McDonald, Indiana Constructors, Inc.; Walter Frick, IDOH; Jim Newland, Indiana Constructors, Inc.; fifth row: D. G. Shurig, Purdue; E. J. Yoder, Purdue; Larry Scott, IDOH; Robert Winslow, Indiana Constructors, Inc.; and K. R. Hoover, IDOH.
Figure 2. Tuesday general session speakers (left to right): Harold L. Michael, Head, School of Civil Engineering; Donald C. Pratt, Chairman, ISHC, "Highway Programs: Present and Future;" C. B. Burke, Graduate Research Assistant, HERPIC, Purdue, "HERPIC Storm Drainage Manual;" Barry K. Patridge, Highway Research Engineer, IDOH, "Highlights of Current Research at the Research and Training Center; and G. K. Hallock, director, IDOH.

Figure 3. Tuesday, general session speakers (left to right): J. T. Gaunt, professor of structural engineering, "Bridge Vibrations"; D. J. Morre, director, Cancer Center, "Chemical Mowing"; W. L. Dolch, Research Associate, JHRP, "Non-Durable Aggregates"; E. J. Yoder, Research Engineer, JHRP, "Maintenance and Repair of Pavements"; J. E. Etzel, Research Engineer, JHRP, "Rest Area Waste Treatment"; and Sidney Diamond, research associate, JHRP, "High Strength Concrete."
Figure 4. Wednesday general session speakers (left to right): C. W. Lovell, professor of highway engineering, Purdue, "Use of Shale in Highway Embankments"; Ray Helmer, Jr., National Corrugated Steel Pipe Association Mansfield Ohio, "Modern Storm Water Management — A Part of Highway Improvement"; Matthew W. Witczak, Professor of civil engineering, University of Maryland, College Park, Maryland, "So You Want to Have a PMS?"; Charles L. Huisman, State Materials Engineer, Iowa Department of Transportation, Ames, Iowa, "Materials and Techniques for Highway Maintenance and Rehabilitation"; William H. Goetz, assistant head of School of Civil Engineering, Purdue, presiding.

Figure 5. Thursday general session speakers (left to right): Fred L. Madorin, director, DOT, Indianapolis, "Urban Street Financing"; Gene K. Hallock, Director, IDOH, ISHC, presiding; James G. Newland, executive secretary, Indiana Constructors Inc., "State Responsibilities"; Francis B. Francois, executive director, AASHTO, Washington, D. C., "Funding Highways in the Eighties, The Federal Role"; Neilon J. Rowan, research engineer, Texas Transportation Institute, College Station, Texas, and president, Institute of Transportation Engineers, Washington, D. C., "Recent Highway Safety Research at TTI."
Figure 6. Indiana Association of County Engineers officers for 1981-1982 include (left to right): James Kane, Warren County, secretary-treasurer; David South, Fountain County, president; J. Wm. Strange, Hancock County, vice president.

Figure 7. Indiana County Surveyors Association officers for 1981-1982 include (left to right): Rollyn Blackenbecker, Clark County, second vice president; John McNamara, St. Joseph County, secretary-treasurer; Kenton Ward, Hamilton County, president; Don Rock, Elkhart County, first vice president.
Figure 8. Indiana Association of County Commissioners for 1981-1982 include (left to right): Hal Doriot, Elkhart County, vice president; Arnold Dougherty, Wayne County, president; Tom Bell, Starke County, executive secretary.

Figure 9. Indiana Section-Institute of Transportation Engineers for 1981-1982 include (left to right) Lamar Ziegler, Carmel, vice president; Steve Hardesty, Crawfordsville, secretary; Bob Cales, Indianapolis, president.
Figure 10. Indiana Street Commissioners for 1981-1982 include (left to right): Cletus Flick, Washington, fourth vice president; Charles Keller, Madison, secretary-treasurer; William Steele, Seymour, third vice president; Al Reece, Beech Grove, second vice president; James Harper, Crawfordsville, first vice president; Jerry Haynes, Richmond, president.

Figure 11. Fauber Construction Company officials receive the Department of Highway's 1980 Pavement Smoothness award during the 1981 Purdue Road School. Presented by DOH's Murray Cantrall (at podium), the award cited Fauber for their job in the bituminous pavement category. Picking up their certificates for the winning job, a 10.4 mile section of US 41 in Parke and Fountain counties, were (left to right) Michael McTague, Fauber vice-president; Charles Drysdale, Fauber general supervisor, and James Hickman, Fauber job supervisor.
Figure 12. McMahan-O'Connor and Fauber Construction companies officials, along with the Department of Highways' job supervisor, receive the DOH's 1980 Pavement Smoothness awards during 1981 Purdue Road School.

Accepting their awards were (l-r) Rex Ogden, DOH project supervisor from the Greenfield district; James Heyde, McMahan-O'Connor vice-president; Michael McTague, Fauber vice-president, and Charles Drysdale, Fauber general supervisor.

Fauber won in the bituminous pavement category with a 10.4 mile section of US 41 in Parke and Fountain counties and McMahan-O'Connor won in the flexible pavement category with a 4.8 mile portion of SR 28 in Randolph county. Ogden was the state's supervisor on that job.

Murray Cantrall of the DOH presented the awards during the opening general session of Road School.