Preface

The 70th Annual 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 71st Annual Road School will be held on Tuesday, Wednesday, and Thursday, March 12-14, 1985, at Purdue University, West Lafayette, Indiana.

REGISTRATION

The official registration totaled 949. The following tabulation shows the classified Road School registrations over the past five years.

Classified Road School Registrations

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>State Highway Personnel</td>
<td>305</td>
<td>215</td>
<td>249</td>
<td>242</td>
<td>274</td>
</tr>
<tr>
<td>County Road Supervisors and Employees</td>
<td>68</td>
<td>74</td>
<td>53</td>
<td>65</td>
<td>53</td>
</tr>
<tr>
<td>County Highway Engineers and Assistants</td>
<td>42</td>
<td>50</td>
<td>45</td>
<td>45</td>
<td>40</td>
</tr>
<tr>
<td>County Surveyors and Deputies</td>
<td>38</td>
<td>46</td>
<td>49</td>
<td>45</td>
<td>49</td>
</tr>
<tr>
<td>County Commissioners</td>
<td>133</td>
<td>141</td>
<td>126</td>
<td>136</td>
<td>119</td>
</tr>
<tr>
<td>County Auditors</td>
<td>40</td>
<td>34</td>
<td>42</td>
<td>46</td>
<td>45</td>
</tr>
<tr>
<td>City Officials</td>
<td>101</td>
<td>102</td>
<td>90</td>
<td>79</td>
<td>107</td>
</tr>
<tr>
<td>Contractors, Materials and Equipment Supplies</td>
<td>154</td>
<td>90</td>
<td>29</td>
<td>93</td>
<td>52</td>
</tr>
<tr>
<td>Purdue University</td>
<td></td>
<td>37</td>
<td>43</td>
<td></td>
<td>38</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>82</td>
<td>68</td>
<td>293</td>
<td>209</td>
<td>172</td>
</tr>
<tr>
<td>Total</td>
<td>1,047</td>
<td>892</td>
<td>1,013</td>
<td>1,003</td>
<td>949</td>
</tr>
</tbody>
</table>

COOPERATING GROUPS

The 1984-1985 official directory of the Road School cooperating groups is as follows:
OFFICIAL DIRECTORY
1984-1985 Officers

PURDUE UNIVERSITY

S. C. Beering ........................................................................................................... President
H. T. Yang ......................................................................... Dean, School of Engineering
D. A. Landgrebe .................................. Associate Dean, Schools of Engineering and 
Director, Engineering Experiment Station
H. L. Michael................................................ Head, School of Civil Engineering, and 
Director, Joint Highway Research Project
W. H. Goetz . Assistant Head, School of Civil Engineering 
Director, Highway Extension and Research Project for Indiana 
Counties and Cities

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

Eugene Lewis, Jasper Co. ................................................................. President
Ellsworth Biesecker, Clinton Co. .................................................... Vice President
William Davis, Bartholomew Co. ................................................ Secretary-Treasurer
Jean E. Hittle, Tippecanoe Co. ...................................................... Executive Secretary

INDIANA ASSOCIATION OF COUNTY HIGHWAY SUPERVISORS

William Meyers, Steuben Co. ................................................................. President
Steven Brooke, White Co. ............................................................ Vice President
Jerry Stevens, Parke Co. ............................................................ Secretary-Treasurer

INDIANA ASSOCIATION OF COUNTY ENGINEERS

Bradley Rayl, Tipton Co. ................................................................. President
Roy Evans, Boone Co. ............................................................ Vice President
Robert Richardson, St. Joseph Co. ................................................. Secretary-Treasurer

INDIANA COUNTY SURVEYORS ASSOCIATION

Don Rock, Elkhart Co. ................................................................. President
Darwin Vanderwall, Newton Co. .................................................. Northern Vice President
Neil Conner, Clinton Co. ............................................................ Central Vice President
Rollyn Blankenbeker, Clark Co. .................................................. Southern Vice President
John McNamara, St. Joseph Co. ................................................ Secretary-Treasurer
INDIANA STREET COMMISSIONERS ASSOCIATION
Cletus Flick, Washington ................................................................. President
Bill Fife, Lafayette ................................................................................ 1st Vice President
Bill Mishler, Nappanee ................................................................. 2nd Vice President
Vince Baucco, Wabash ................................................................. 3rd Vice President
Duke Brioli, Mishawaka ................................................................. 4th Vice President
James Harper, Crawfordsville ................................................................. Secretary-Treasurer

INDIANA SECTION INSTITUTE OF TRANSPORTATION ENGINEERS
John Meyers, Indianapolis ................................................................. President
J. William Strange, Greenfield ................................................................. Vice President
Mark Massaro, Noblesville ................................................................. Secretary
Jon D. Fricker, West Lafayette ................................................................. Treasurer
William E. Simmons, Carmel ................................................................. Director

INDIANA COUNTY AUDITORS ASSOCIATION
Sherry K. Waters, LaPorte Co. ................................................................. President
Vi Simpson, Monroe Co. ................................................................. 1st Vice President
Gloria Goeglein, Allen Co. ................................................................. 2nd Vice President
Jeffrey Frank, Wells Co. ................................................................. Treasurer
Vivian Ferguson, Newton Co. ................................................................. Secretary

INDIANA CONTRACTORS, INC.
Richard Sieboldt, Bloomington ................................................................. President
James Newland, Indianapolis ................................................................. Executive Secretary

AMERICAN PUBLIC WORKS ASSOCIATION
Fred L. Medorin, Indianapolis ................................................................. President
David Ross, Fort Wayne ................................................................. Vice President
Ed Harris, Indianapolis ................................................................. Secretary-Treasurer
Patrick Stevens, Indianapolis ................................................................. Director
Thomas Kressley, Ft. Wayne ................................................................. Director
Carl O’Neal, Ft. Wayne ................................................................. Indiana Delegate

INDIANA ASSOCIATION OF CITIES AND TOWNS
John Riemke, Kendallville ................................................................. President
Dan Theobald, Shelbyville ................................................................. 1st Vice President
James Riehle, Lafayette ................................................................. 2nd Vice President
Michael J. Quinn ................................................................. Executive Director
Figure 1. Members of Road School Planning Committee met late in October to make plans for the 1984 Road School to be held March 6-8 at Purdue. The committee included members of the Indiana Department of Highways, Purdue and various Indiana associations concerned with highways.

Front row, left to right: Bill Goetz, Purdue; Donn Hancher, Purdue; Jim Newland, Indiana Constructors Inc.; Bob Woods, IDOH; Jack McDonald, Indiana Constructors Inc.; Don Shurig, Purdue; John McEntyre, Purdue; Tom May, IDOH.

Second row, left to right: Dennis Cobb, ITE; Harold Michael, Purdue; John Meyers, ITE; Jon Fricker, Purdue; Dennis Faulkenberg, IDOH; Art Graham, Construction Digest; Steve Hardesty; ITE; Murray Cantrall, IDOH.

Third row, left to right: Ken Mellinger, IDOH; Bill Abbott, IDOH; Jim Huf-ford, Street Commissioner; Len Wood, Purdue; Stan Yoder, IDOH; Bob Eskew, IDOH; Bob Shanteau, Purdue.

Top row, left to right: Jean Hittle, Purdue; Wayne Wiese, IDOH; Chuck Scholer, Purdue; Bill Meyer, County Highway Supervisor; Paul Owens, IDOH; Jim Gulick, IDOH; Don Houterloot, IDOH; Clint Venable, IDOH; Harold Horine, IDOH.

Figure 2. Tuesday general session speakers (left to right): Harold L. Michael, head, School of Civil Engineering, presiding; Lowell B. Jackson, secretary of transportation, DOT, State of Wisconsin; William H. Goetz, assistant head, School of Civil Engineering.
Figure 3. Wednesday morning general session speakers (left to right): Norman D. Pumphrey, engineer of construction, State Highway and Transportation Department, Arkansas; David A. Anderson, director, Transportation Pavements and Materials Program, Pennsylvania Transportation Institute; Melvin B. Meyer, traffic engineer, Cedar Rapids, Iowa and president, Institute of Transportation Engineers; Clint Venable, chief, Traffic Division, IDOH, presiding. Not in this picture is David Koski, director of Traffic Engineering, City of Minneapolis, president APWA Institute for Transportation.

Figure 4. Thursday general session speakers (left to right): Gene R. Russell, professor, Kansas State University, Manhattan, Kansas; Donn E. Hancher, associate professor, School of Civil Engineering, Purdue University; D. James Morre, director, Purdue Cancer Center, professor of Medicinal Chemistry and Biology, Purdue University; K. C. Sinha, professor, School of Civil Engineering, Purdue University; Gene K. Hallock, director, Indiana Department of Highways, Indianapolis, Purdue University, presiding.
Figure 5. Indiana Association of County Commissioners officers for 1984-1985 include (left to right): Charles Hillenburg, Lawrence County, past president; Eugene Lewis, Jasper County, president; Ellsworth Biesecker, Clinton County, vice president; William P. Davis, Bartholomew County, secretary-treasurer.

Figure 6. Indiana Association of County Highway Supervisors officers for 1984-1985 include (left to right): Jerry Stevens, Parke County, secretary-treasurer; William Meyers, Steuben County, president. Not included in this picture is Steven Brooke, White County, vice president.
Figure 7. Indiana Association of County Engineers officers for 1984-1985 include (left to right): Bradley Rayl, Tipton County, president; Robert Richardson, St. Joseph County, vice president.

Figure 8. Indiana County Surveyors Association officers for 1984-1985 include (left to right): Darwin Vanderwall, Newton County, northern vice president; John McNamara, St. Joseph County, secretary-treasurer; Rollyn Blankenbeker, Clark County, southern vice president; Neil Conner, Clinton County, central vice president; Don Rock, Elkhart County president.
Figure 9. Indiana Street Commissioners Association officers for 1984-1985 include (left to right): James Harper, Crawfordsville, secretary-treasurer; Cletus Flick, Washington, president; William Fife, Lafayette, 1st vice president; William Mishler, Nappanee, 2nd vice president; Duke Brioli, Mishawaka, 4th vice president.

Figure 10. Indiana Section Institute of Transportation Engineers officers for 1984 include (left to right): William Simmons, Indianapolis, director; J. William Strange, Greenfield, vice president; Steve Hardesty, Crawfordsville, past president; Mark Massaro, Noblesville, secretary; John Meyers, Indianapolis, president. Not pictured is Jon D. Fricker, West Lafayette, treasurer.
Figure 11. American Public Works Association officers for 1984-1985 include (left to right): Thomas Kressley, Ft. Wayne, director; Carl O'Neal, Ft. Wayne, Indiana delegate; Fred L. Medorin, Indianapolis, president; David Ross, Ft. Wayne, vice president; Ed Harris, Indianapolis, secretary-treasurer. Not shown in this picture is Patrick Stevens, Indianapolis, director.

Figure 12. Gene K. Hallock, director of the Indiana Department of Highways, presents Pavement Smoothness Awards for Rigid Pavement to McMahan-O'Connor recipients (left to right): Harold Reisman, Seymour area engineer; Ronald Zink, McMahan-O'Connor; Francis Zink, McMahon-O'Connor; James Walters, McMahan-O'Connor.
Figure 13. Pavement Smoothness Awards for Bituminous Resurfacing were presented to Walsh & Kelly Inc. during the Purdue Road School 1984 by the Director of the Indiana Department of Highways Gene K. Hallock. Hallock presents awards to (left to right): Roger Knip, Walsh & Kelly; George Relias, Walsh & Kelly; Charles Tate. IDOH Engineer in the LaPorte District.