

# Report of Committee on Photogrammetry and Aerial Surveys

D. J. OLINGER, Chairman

● THE COMMITTEE on Photogrammetry and Aerial Surveys held its first meeting at Columbus, Ohio, in August 1956 and began its organization and planning for research activities under the chairmanship of Lowell E. Gregg.

In January 1957 the Committee successfully sponsored seven technical papers on the uses of aerial surveys and photogrammetry in highway location and design. These papers, together with numerous questions and answers developed in panel discussions, were published as a Symposium in Highway Research Board Bulletin 157.

Later in the spring of 1957 Mr. Gregg resigned chairmanship of the Committee and was replaced by the present chairman, D. J. Olinger, Chief Aerial Engineer, Wyoming State Highway Department.

The 37th Annual Meeting of the Board, in January 1958, was the occasion of another meeting of the Committee, at which time the Committee completed a formal statement of its purpose, aims and scope, as follows:

The purpose of this Committee is to encourage and aid highway departments and organizations in the adoption and use of photogrammetry and aerial surveys in each applicable phase of every stage of highway engineering.

In fulfillment of its purpose, the aims of the Committee are:

1. To perform and encourage research for development of new and improvement of old methods and procedures of utilizing photogrammetry and aerial surveys;
2. To point the way to adaptation of photogrammetric, aerial, and related methods and procedures from other fields of engineering to highway engineering;
3. To act as an evaluation and correlation center, and disseminate information and data obtained through research by the Committee and others;
4. To work for achievement of standardization in nomenclature and terminology; and
5. To encourage and participate in the preparation of reports and papers on utilization and accomplishments.

The interests and work of the Committee shall include local, regional, and national applications, developments, and accomplishments. In every stage of highway engineering, all phases of the utilization of, research in, and improvement of instruments, techniques, and procedures in photogrammetry and aerial surveys are included.

The Committee also decided on a further program of action, outlined as follows:

A subcommittee, comprised of C. L. Miller, Chairman, and L. L. Funk, R. D. Miles and M. D. Shelby, will study the problem of data presentation and requirements for map accuracy. They will function as a Committee on Requirements for Map Accuracy and Data Presentation.

A second subcommittee, on Utilization of Photogrammetry for Procurement of Rights-of-Way, comprised of H. G. Schlitt, M. D. Shelby, and L. L. Funk will report on this phase of photogrammetry as it is being applied within their own organizations at the next Annual Meeting.

All reports or papers prepared by Committee members (that is, (a) work reports, (b) directives issued within a committee member's organization for carrying out certain applications of photogrammetry and aerial surveys, (c) results of project work or research, and (d) any other subject within the purpose and scope of the Committee) are being sent all Committee members. Later it may be advisable to expand this service to include other organizations, or selected articles can be published and distributed by the Highway Research Board.