

(e) The administrative control of and responsibility for the undertaking;

(f) The source and method of procuring the necessary money for the underaking and the extent to which interested municipalities contribute thereto;

(g) Plans in standard form to be prescribed by the minister and in detail following accepted engineering practice, together with a sketch map showing the position of the proposed project on the general program map of the province;

(h) Specifications in standard form to be prescribed by the minister setting forth the proposed type and method of construction, materials to be used, and other essentials, in such detail as to afford complete knowledge of all steps to be taken in carrying out the project;

(i) Copies of the form of contract to be used, together with all documents referred to therein or made a part thereof; and

(j) Estimated cost of the project, giving a schedule of quantities and the estimated cost of each item in detail.

All project statements, plans, specifications, estimates and other papers required in connection with any application of a province for aid under the Act shall be forwarded to the commissioner.

The Agreement

5. When a project statement has been approved by the minister an agreement, as provided for in the Act, between the province and the minister shall be executed in triplicate by the province on a form furnished by the commissioner.

No payment under the Act shall be made until such agreement has been executed by the minister, nor shall payment be made for work done prior to such execution unless with the express approval of the governor in council, which approval shall not be given in connection with work done prior to the coming into force of the Canada Highways Act or not done in accordance with these regulations.

Tenders and Contracts

6. All expenditures shall be made pursuant to tender and contract, except as provided by the Act, and shall be on the basis of unit prices. Tenders shall be called for at least three weeks before the work is to be let, and notice of the calling for tenders shall appear in a contractors' or engineering journal as well as in such local newspapers as the province deems necessary.

Payments

7. In determining the actual necessary and reasonable cost of any highway for the purpose of fixing the amount to be paid under the Act, the cost of the following shall not be considered as a part thereof:—

The cost of right-of-way and incidental damages, bridges, viaducts, subways, exceptional grade separation, provincial overhead and administrative expenses, the making of surveys, plans, specifications and estimates, or any engineering expenses incident to the project prior to the beginning of actual construction. The cost of culverts having a clear width of opening of not more than twenty feet may be included.

Certified vouchers showing the amounts expended on each section of completed road, also showing the amount, if any, expended on any uncompleted section up to sub-grade at the termination of each fiscal year during the five-year period commencing April 1st, 1919, shall be submitted to the commissioner; and when he has certified that the terms and conditions of the agreement, in respect of the plans and specifications annexed thereto have been carried out as far as relates to such sections, forty per cent. of the cost thereof as defined by these regulations, and expressly subject to section five thereof, will, upon authority of the minister, be paid to the provincial treasurer, or other person named in the agreement to receive the same.

Records

8. Such records of the tenders submitted of the cost of the work, of the inspections made and tests of materials shall be kept by the province as shall enable the commis-

sioner at any time to determine the cost to the province and the status of the construction work done on any project. These accounts and records, together with all supporting documents, shall be open at all times to the inspection of the commissioner or his representative, and certified copies thereof shall be furnished at his request.

Inspection

9. The supervision of each project by the provincial highway department shall include adequate inspection of work and material by competent engineers throughout the course of construction. To this end, any recommendation of the minister to the provincial government with respect to the necessary technical qualifications and experience of the members of the highway organization will be enforced by such government.

Maintenance

10. Each province shall agree that when the roads or highways constructed or improved with Federal aid shall have been accepted as completed, the province shall maintain, or cause the same to be maintained, with all necessary repairs and renewals, so as to preserve the standard of construction of each particular class of completed road or highway.

CONFERENCE ON CONCRETE HOUSES

FROM February 17th to 19th there will be held at the Auditorium Hotel, Chicago, a National Conference on Concrete House Construction. The purpose of the conference is two-fold: (1) To consider the housing problem in the United States and Canada; and (2) to present, crystallize and make available, information regarding the most modern practice in the construction of concrete houses.

The following committees are now being organized: Architecture and design, community planning, financing permanent homes, fire prevention and insurance rates, building codes, monolithic concrete houses, special unit houses, concrete block houses and concrete and cement roofing.

Among the organizations co-operating in this conference are the American Concrete Institute, the Associated General Contractors of America, the Concrete Products Association, the Portland Cement Association, the Illinois Society of Architects, the Illinois Chapter of the American Institute of Architects, and the U.S. League of Building and Loan Associations.

During the week of the conference on house construction, there will also meet at the Auditorium Hotel the American Concrete Institute, the Concrete Products Association, the Concrete Block Machinery Association and the American Concrete Pipe Association.

Work has been completed on the installation of the hydro-electric power plant at Squamish, B.C., the tidewater terminus of the Pacific Great Eastern Railway, and the plant will be "turned over" this month. The project involved the construction of a dam in the Stuwamus river. The cost of the development was about \$90,000.

Premier Drury, of Ontario, outlining the road policy of his administration, said that it is the people of the little towns and rural districts who need good roads the most, and that there is great need for market roads throughout the province. It had been argued, he said, that the revenue from motor cars should be expended on main highways. He held that part, at least, of this revenue should be used on roads serving the greater body of people. His highway policy would include these three things, he said: (1) The abandonment of the construction of expensive trunk highways, retaining the roads already built and probably improving them and making them all into "decent-running roads;" (2) spreading out the provincial roads where they will do the "greatest good to the greatest number," spending the money available on the whole road system and giving aid to country roads; and (3) giving assistance to township roads.