

very considerable amount of traffic in winter-time as a result of the establishment of a skating and winter sports area near Mount Harper. A length of 10 m. has been graded and reshaped, while 6 m. 30 ch. was lightly metalled. It is proposed to improve the remaining length of 12 m. and to complete the metalling, together with two concrete fords during the coming year.

Cashmere Stream Bridge, Hoon Hay Road (Halswell County).—A reinforced-concrete bridge has been erected to replace an obsolete wooden structure on this much-used road.

Summit Road, Dyer's Pass to Gebbie's Pass (Halswell, Heathcote, Mount Herbert, and Wairewa Counties).—Additional widening, clearing of slips, and the erection of retaining-walls was carried out on this scenic road during the period. Metalling was deferred pending the completion of adjacent main-highway works, but has since been commenced. A considerable amount of widening by the provision of rock retaining-walls is still necessary and is receiving attention.

Puhipuhi Road Bridge (Kaikoura County).—A timber-truss bridge, 110 ft. long, was erected over the Puhipuhi River to give access to a number of settlers. Formation and metalling of the approaches, 32 ch., was completed.

Rockwood Road (Levels County).—2 m. 5 ch. of re-formation and metalling was carried out during the year.

Jollie Bridge, Mount Cook Station Road (Mackenzie County).—The superstructure of this bridge was renewed during the period.

Wai-a-niwa-niwa River Bridge, Stevenson's Road (Malvern County).—A light traffic bridge, 240 ft. long, was erected over this river in betterment of the access to a number of settlers.

Lake Coleridge to Lake Lyndon Road (Selwyn County).—The remaining length of 4 m. 60 ch. on this road was re-formed and metalled and culverts installed wherever necessary over the whole road. The route is now carrying a large amount of traffic due to the erection of the West Coast transmission lines from Lake Coleridge.

West Boundary Road (Selwyn County).—Formation and metalling improvements were completed over a distance of 3 m. 16 ch. of this settlement road.

Punchbowl Access Bridge (Tawera County).—A footbridge, 100 ft. long, was erected for the Arthur's Pass National Park Board to provide access to the scenic attractions at Arthur's Pass.

Lake Sumner Runs Road (Waipara County).—A converted railway-truss bridge of 60 ft. span was erected on concrete abutments over the Seaward River, and 10 ch. of approach roading was formed, metalled, and culverted.

Waitohi River Bridge, Hurunui, Medbury Road (Waipara County).—A commencement was made with the erection of a new bridge 120 ft. long.

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Clutha River Bridge, Clydevale (Bruce County).—The erection of this bridge of seven spans each of 100 ft. was commenced during the year. The structure consists of a reinforced-concrete deck on steel-girder spans supported on concrete piers and piles. The width between wheelguards is 12 ft., except in the centre span, which is being widened to 18 ft. to allow traffic to pass easily in the middle of the bridge. Fair progress was made during the year, four spans being completed, but some delay was experienced in placing the foundations to two piers, which are in rock and required coffer damming. However, these foundations are now completed and the work on the piers is well in hand. Also a contract has been let for the northern approach.

Gray's Road (Bruce County).—New formation over 75 ch. to a width of 16 ft., with culverting where necessary, was completed during the year.

Lakeside to Stirling Road (Bruce County).—A length of 1 m. 42 ch. was formed during the period to widths varying between 16 ft. and 24 ft. Culverts were installed where required.

Lovells Flat to Kaitangata Road (Bruce County).—Widening work was carried out in places on this road over a distance of some 3 m., and generally the proposals, as far as they went, are completed with the exception of a bridge over Currie's Creek. This is a structure of 22 ft. span 20 ft. wide, and is well in hand.

Bagries Road (Clutha County).—New gravelling was completed over a distance of 68 ch. to give access to a number of settlers and to permit of a rural-mail delivery, &c., being organized.

Catlins River Bridge to Tahakopa Beach Road (Clutha County).—Improvements, consisting principally of drain-construction, were carried out on this road. In addition, widening over some 40 ch. was undertaken and 100 cubic yards of metal placed.

Clinton to Purekireki Road (Clutha County).—Metalling-work was completed during the year over a distance of 4 m. 59 ch.

Catlins River Bridge (Clutha County).—A bridge, 121 ft. in length, was erected over the Catlins River near Tawanui, the material being salvaged from the former Balclutha River Bridge. The approaches also were formed and metalled within the period.

Kaihiku Stream Bridge, Clifton Settlement Road (Clutha County).—A new bridge consisting of rolled-steel joists on concrete piers is being erected over this stream.

Middle Road (Clutha County).—New gravelling was carried out on this road over a distance of 1 m. 34 ch.

Maiders Road (Clutha County).—Metalling-work was completed over 60 ch. of this road during the period under review.

Pamahaka Downs to Wairuna Estate Road (Clutha County).—On this settlement road a length of 1 m. 18 ch. was metalled during the year.

Waikoikoi Stream Bridge, Glenshee (Clutha County).—A bridge in reinforced concrete 12 ft. wide between wheelguards and of a total length of 52 ft. 6 in. was erected over this stream.