

work in embankments in swamp, 4,966 cubic yards, and in side cuttings 8,600 yards. Timber for bridges, delivered at their sites, 8,600 feet.

Rotorua and Tarawera Road.—Total distance, 9½ miles. Of this only half a mile has been executed during last twelve months, making a total of six miles formed 18 feet wide, of which all is in good order, including one bridge, 12 feet, and six culverts.

This work has been done by Native Armed Constabulary, under Captain Mair, and latterly under Captain Way.

Opotiki Table Land Road remains in good order. It is proposed to continue this to the beach, and the line will shortly be laid off.

Cambridge and Taupo (Atiamuri).—The proposed survey of this line has been carried on so far as to run the line and drive marked pegs at every chain, but the levels have not yet been taken, as orders were given to discontinue the survey.

Kaitereria and Tarawera Horse Road.—This line remains in good order.

Opotiki and Torere, and on to East Cape.—During the year 52½ chains have been formed, 8 feet wide, between Te Kaha and Kaukokore, and four culverts erected; also 74 chains of side cutting to ease steep grade between Ohape and Torere. Earthwork, 4,532 cubic yards; rockwork, 160 cubic yards. 11 miles 65 chains of extension have been laid off beyond Te Kaha, but the Natives demand too much for the work. Total formed, 8 feet wide, 13 miles 10 chains, eight of which lie through dense forest.

This road can now be travelled four miles beyond Te Kaha, or about forty-four miles. It has been maintained by Natives, and is in good order.

Whakatane Valley Road.—During the year the Armed Constabulary have formed 60 chains, 18 feet wide, including earthwork 3,480 cubic yards, rock 376 cubic yards, one 4-foot bridge, and one culvert. The Urewera Natives have formed 157 chains, 8 feet wide. Total formed, 217 chains out of thirteen and a half miles.

Tauranga and Cambridge Road.—Survey, as proposed, was proceeded with in December last from the Cambridge end, and carried on as far as the junction of the Mangawera and Waitoa streams, about eleven miles, and there stopped by the Pirirakau Natives. Forty-four miles yet remain to be surveyed.

Road Work at Tauranga, joining Inland Roads to Beach.—172 chains, reported last year as having been begun, have since been completed, as follows:—Formed throughout 33 feet wide, including 2,850 cubic yards of earth in face cuttings; one 18-inch earthenware pipe culvert 70 feet long, one 12-inch 135 feet long; six wood box culverts.

The Highway Board contributes one-sixth of the cost of this work.

Grahamstown to Hikutaia.—About eighteen miles. The survey of this was ordered, but afterwards countermanded; no work has been done. The present bridle-track has been repaired by the Provincial Government.

Katikati to Grahamstown: Telegraph Line.—One new bridge has been built over a branch of the Hikutaia River, and four others repaired; an embankment has been formed across the Waiharakeke swamp, and other minor repairs executed, the expense being borne by the Telegraph Department. This line passes through very broken and precipitous country, about one-half in forest, and is in very bad condition, being in fact almost impassable for horses; should a good line of road be found and formed, it would be well to shift the wires alongside of it.

Maketu and Tauranga Telegraph Line.—One bridge, 18 feet, has been built over the stream at Hairine, and approaches made to it across the swamp on both sides, the cost being charged to the Telegraph Department. Other improvements are ordered, but the Natives cannot be induced to go to work upon them.

Explorations—Katikati to Mackaytown and Te Puke (Ohinemuri Goldfield), and on to Hamilton (Waikato crossing), the Thames and Piako Valley, with a view to Road Construction.—This country was examined by Mr. Turner in March last, and a special report made thereon, giving approximate cost of several lines.

Cemetery at Tauranga—Protection-wall.—This work is now being extended from both ends, for a total length of 190 feet, and its base strengthened to resist the action of the waves. The work will include about 500 cubic yards of stone masonry, and is being executed by artisans in the Armed Constabulary.

Opotiki and Poverty Bay Road.—Eighty miles. During the year about 4 miles 58 chains have been formed 8 feet wide at the Opotiki end, making a total of about 28 miles, including 17,270 cubic yards of earthwork, and 2,173 cubic yards of rock. The Poverty Bay end of this road was, as stated in last year's reports, badly executed, and required complete revision. For this purpose 27 miles 46 chains of deviation have been surveyed and laid off, 17 miles being in bush. Of these, 6 miles 17 chains of deviation have been formed in the bush, and 2 miles 55 chains in the open: total, about 9 miles, including 19,498 cubic yards of earthwork, and 370 cubic yards of rock. This makes a total of work at both ends for the year of 13 miles 58 chains. There has been considerable difficulty experienced in carrying on this work, owing to labour of any kind not being easily procurable. Mr. Turner suggests that to insure its completion next season, the Armed Constabulary be employed as soon as the weather is favourable for road work.

Public Buildings, &c.—Besides the above-described road works, Mr. Turner has supervised the construction of the following, viz.:—Government Buildings, Tauranga; Telegraph, Post Office, and Court House, Opotiki; Telegraph and Post Office, Ohinemutu; wharf extension, Opotiki (Provincial Government); repairing grist mill at Tarawera; erecting grist mill at Wairoa.

NAPIER TO TAUPU, TAUPU TO ATIAMURI (WAIKATO): ALSO WAIROA, POVERTY BAY, AND EAST COAST DISTRICT.

Napier to Taupo.—Section 1, *Turadale to Pohui* (via Glengarry), 23 miles.—The survey of this section, reported last year as being in progress, has been completed to within three miles of Rangimai-papa, where it will join the present road to Taupo, the length of survey completed being 11½ miles, levelled and pegged off, and cross-sections taken, besides trial levels for 20 miles.