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CITY PAVING IN CANADA IN 1914

WHAT CANADIAN CITIES SPENT ON ROADS, PAVEMENTS AND SIDEWALKS LAST YEAR—TOTAL MILEAGES TO DATE—ESTIMATES OF 1915 WORK NOT YET DECIDED IN MOST INSTANCES.

FROM information which a large number of Canadian cities, towns and municipalities have submitted to *The Canadian Engineer*, it is very evident that paving in 1914 was, to say the least, little more than "half a crop." The reason is very obvious. The paving season could hardly have been more neatly cut in half by any other means than the effect which the European war had early in August of last year. Of course, a few contracts were continued to completion, or to the end of the season; but their effect upon the aggregate is counteracted by the effect of the financial depression which preceded the outbreak of hostilities. One must remember, however, that the suspension of paving operations was not the result of exhausted resources, but rather due to a general paralysis of all active work in the early stages of the war. The situation in Europe had decidedly more interest for the Canadian public than the needs for better roads and pavements.

The following notes respecting work accomplished by various cities and towns last year will be found of interest:—

Amherst, N.S.—About 1.54 miles of concrete paving was put down in 1914 at a cost of \$27,801, or \$2.35 per sq. yd., including curb and gutter, grading and foundation. Concrete alone cost \$1.90 per sq. yd. The work was done by contract under supervision of Mr. J. E. Parker, town engineer. The town adopted, some time ago, the boulevard system of street arrangement. It is estimated that 1915 work will comprise about \$45,000 worth of concrete or bitulithic pavement. No decision, other than that, has been reached.

Assiniboia, Man.—Late in the year a stretch of 54,450 sq. yds. of asphaltic concrete was let by contract and partly constructed, the balance to be completed this year. The price per sq. yd. was \$2.47, including grading and foundation. Mr. G. W. Rogers is the municipal engineer.

Berlin, Ont.—At the end of the season the city had a total mileage of 8.18 of pavements, including 4.72 miles of roadway treated with tarvia. A total of 54.62 miles of sidewalks have been laid to date. Work during 1914 included 12,084 sq. yds. of asphaltic concrete laid by contract at \$2.53 per sq. yd., inclusive of grading and foundation; 25,416 sq. yds. of asphaltic macadam costing \$1.36 (day labor), and 956 sq. yds. of ordinary macadam constructed by day labor at a cost of 69c. About 10,370 sq. yds. of creosoted wood block were laid by contract, the price being \$3.10. This made a total of 2.79 miles of pavements laid last year, the expenditure being \$121,932.96. The amount spent on curbs and gutters was \$13,149.01, and on sidewalks, \$14,298.25. Estimates for

1915 work are incomplete, but they include \$40,407.15 for pavements and \$6,021 for sidewalks. A stretch of 27,867 sq. yds. of asphaltic macadam will be laid. Mr. H. Johnston is city engineer.

Bowmanville, Ont.—The town engineer, Mr. C. F. Gibson, states that nothing has been decided upon for 1915 as yet. There was little or no paving work in 1914.

Charlottetown, P.E.I.—Some 4,000 sq. yds. of waterbound macadam, costing \$1 (day labor), constituted new pavement work, while about \$1,000 was spent on repairs to existing pavements. Sidewalks costing in all \$8,700 were laid. Mileages to date are, of pavement 6; of sidewalks 15. During the coming season about \$6,000 will be spent on a new waterbound macadam roadway and about \$7,000 on sidewalk construction. Mr. J. P. Nicholson is city engineer.

Edmonton, Alta.—Asphaltic concrete to the extent of 70,105.02 sq. yds.; concrete, 10,683 sq. yds., and sheet asphalt, 4,653.8 sq. yds., were constructed by contract during the year, making an addition of 5,226 miles and bringing the total in the city up to 46.782 miles. Last year's paving cost \$286,576.88; curbs and gutters \$9,590, and sidewalks \$155,484.49. There is a total of 202.267 miles of plank and concrete sidewalk on the city's streets. Mr. A. J. Latonnell, the city engineer, advises us that no paving for 1915 has been decided upon as yet.

Fort William, Ont.—Some 2.17 miles of pavements were added last year, bringing the total up to 4.67 miles, the expenditure for 1914 being \$154,012 for new pavements, including curbs and gutters, and \$2,700 for pavement repairs. Waterbound macadam to the extent of 47,449 sq. yds., costing \$1.12; Rocmac amounting to 18,868 sq. yds., costing \$1.50, and asphaltic concrete costing \$1.95 to \$2.10 for 57,798 sq. yds., constituted the contract work, while 603,360 sq. yds. of gravel was laid by day labor at about 35c. per sq. yd. Sidewalk expenditure in 1914 amounted to \$25,399, bringing the mileage up to 61.32. No 1915 paving work has been decided upon, according to Mr. R. R. Knight, the city engineer.

Hamilton, Ont.—About 9.7 miles of pavements were added last year, bringing the total up to 41 miles. The amount spent on pavements and gutters was \$243,353.95, and on pavement repairs, \$12,186. About \$145,520 was spent on curbs and sidewalks. Of the latter the city has now about 240 miles.

Last year's paving consisted of the following items: 1,438 sq. yds. of concrete at \$1.10; 120,826 sq. yds. of sheet asphalt at 84c.; and 21,351 sq. yds. of asphaltic concrete averaging 76c. (These prices per sq. yd. are