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TRAMCAR ACCELERATION. . MEETING MODERN TRAFFIC NEEDS.

With the steady improvement in the design and the performance of the internal combustion engine and transmission equipment, the acceleration of many post-war model motor cars is now equal to, if not greater than, some types of tramcar. If there is to be a smooth and regular flow of street traffic it is necessary that acceleration and normal average ~~speed~~ traffic speed should be of the same order.

Consideration of this problem by the Department of Transport, Brisbane City Council, has led to a proposal to increase the acceleration of its streamlined type cars by changing the gear and pinion ratio rather than the adoption of more powerful motors. The present gear ratio is 15 to 58 and this will be changed to 14 to 59. The advantage will be increased starting torque, quicker acceleration (9 P.C.) and reduced power consumption (5 p.c.); the only drawback will be a very slight reduction in maximum speed.