

Traffic Parking and Bylaw Amendment Designated Traffic Lanes - Old Highway 17 (MR 55) at Main Street (MR 24)

The Transportation and Innovation Services section has received a number of requests to review how the traffic signals operate at the intersection of Municipal Road 55 and Municipal Road 24 in Lively to see if additional vehicle capacity can be added to the intersection for southbound vehicles. The common concern brought forward was long wait times and queues for southbound vehicles turning left onto Municipal Road 55.



In the eastbound and westbound directions, the intersection currently operates with protected left turn movements and simultaneous through movements for both directions. Due to the unbalanced vehicle volumes in the northbound and southbound directions, these two directions each have their own green traffic signal phase while the opposite direction remains red. This is commonly referred to as split phasing. In the southbound direction, there are two vehicle lanes. One is an exclusive left turn lane and the other is shared through and right turn lane.

Staff completed a capacity analysis and an on-site review of the intersection. Southbound vehicles were experiencing long delays and vehicle queues of over 800 metres were present during the A.M. and P.M. peak hours.

As part of the proposed 2020 Budget, this intersection is recommended for rehabilitation in 2021. As part of the design for the rehabilitation, staff will review whether an additional southbound lane can be constructed to help alleviate the capacity concerns. As an interim solution, staff have implemented a dual left turn lane to accommodate the southbound to eastbound traffic movement from Municipal Road 24 onto Municipal Road 55 by converting the existing shared through and right turn lane into a shared through, left and right turn lane. In order to officially designate the southbound curb lane to allow for left turn movements, staff recommend the Traffic and Parking By-Law 2010-1 be amended to allow left turns from the southbound curb lane.