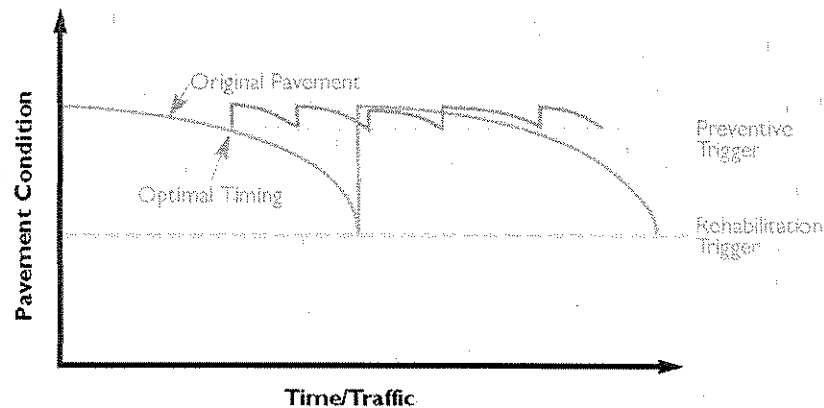


Introduction

Gorrill-Palmer Consulting Engineers Inc. was retained by the Town of Cape Elizabeth to conduct pavement condition ratings for all Town maintained roadways.

The purpose of the study was to assess the pavement condition and inventory the existing roadways in order to determine the appropriate maintenance/improvement strategy and to develop an appropriate timeline for a long-term capital improvement program based on a prioritization of the roadways considering their condition. By continuing to complete these pavement evaluations on a regular basis, it is possible for the Town to better gauge how quickly roadways are deteriorating and, consequently, how best to allocate resources.

The following graph illustrates the ideal timing to complete preventative maintenance before the pavement condition reaches a point where pavement rehabilitation is required. This is due to the fact that it is significantly less expensive to complete an overlay on a roadway than to rehabilitate or reconstruct a roadway. Rehabilitation of a roadway involves reclaiming the pavement and typically some minor areas of reconstruction, and costs at least three times the amount it costs to complete a light overlay; reconstruction of a roadway costs at least six times the amount to complete an overlay. Therefore it is important to complete preventive maintenance to maintain the roadways so they do not reach the point where they require rehabilitation or reconstruction.



*Graph from TRNews 228

The pavement conditions were evaluated using the Visual Condition Survey for Flexible Pavements methodology, developed by the Maine Department of Transportation (MaineDOT) Pavement Management Division. The pavement condition rating methodology is summarized on the following pages.