

## Appendix E

### **BUDGET COMMITTEE REFERRAL:**

That staff report back on the number of road kilometers considered to have deficient pavement quality, and the 10 year forecast of the percentage of roads with deficient pavement quality.

### **RECOMMENDATIONS:**

- That the information be received.

### **KEY FACTS:**

- Based on existing data, the percentage of roads with deficient pavement quality in 2021 is currently 11.9 % which represents 89.7 kilometres of the 754 total road kilometres.
- The % deficient is expected to remain above the 10% target until 2024, but with the forecasted funding allocation will remain below target through the remainder of the forecast.
- Physical condition assessment of the entire road network is scheduled to be completed next year to refresh the condition index model.

### **COMMENTS/OPTIONS:**

The pavement quality of arterial and collector roads is considered deficient when the Pavement Quality Index (PQI) is less than 65 and the pavement quality of local roads is considered deficient when the PQI is less than 50. Based on the current data based modelling, the percentage of roads with deficient pavement quality in 2021 is 11.9 % which represents 89.7 kilometres of the total 754 road kilometres. The percentage is calculated as follows:

$$\frac{89.7 \text{ km of deficient roads}}{754 \text{ km of total roads}} = 11.9\%$$

The figure below illustrates the percentage of roads with deficient pavement quality to 2030 based on an annual budget allocation of \$9 M per year through to 2029 and \$12 M in 2030. The percentage of deficient roads overall is currently above 10% as a result of deferring the road resurfacing program in 2020 during the COVID pandemic. Based on existing data, it is anticipated that the percent deficiency will reach back below the 10% target in 2024 and will remain below target through the forecast period with current proposed funding allocation. Physical condition assessment of the entire road network is scheduled to be completed in 2022 to refresh the condition index model.

