

Town of Princeton

Road Math

8/19/20

72.9 Miles of paved roads

\$115 full depth reconstruction cost for Town Roads; \$265 for State Roads –??

Total **Capital Asset Value** of paved roads:  $(72.9 \times 5,280) \times 115 = \mathbf{\$44,264,800}$

Estimated Road Life per mile: Fifteen (15) years

Miles depreciated per year:  $(72.9/15) = 4.86$  miles

Required Annual cost of milling and repaving of 4.86 miles at \$70 per linear foot equals \$1,796,256 (\$2020)

Basic Road (Re)Construction Costs: (\$2020)

Mill and Repave: \$70 per lineal foot

Moderate Reclaim and Repave: \$90 per lineal foot

Full Depth Reclamation: \$115 per lineal foot

Culvert Reconstruction: \$3,700 per inch of diameter

Engineering design costs: 10% - 12% of estimated total construction costs