

# \$8,084,000

Cost to pave County roads yearly

Miles of road to be paved each year

15 years Longer than average life cycle on paving

1,200 miles Road miles maintained by the County

80 miles per year Number of roads to paved yearly.  
 $1,200 / 15 = 80$

Cost to pave one mile of road

One mile of road paved with 165 lb/sy of hot mix asphalt, 20' roadway width

$$\frac{5280 \times 20}{9} = \frac{11,733 \text{ sy} \times 165}{2,000} = 968 \text{ tons}$$

$$968 \times \$80 = \underline{\underline{\$77,500/\text{mile}}}$$

Chip Seal ("G" treatment) - \$1.75 sy  
 $11,733 \text{ sq} \times \$1.75 = \underline{\underline{\$20,550/\text{mile}}}$

Striping - \$3,000/mile

Cost to pave County roads yearly

$$\$101,050 \times 80 \text{ miles} = \underline{\underline{\$8,084,000}}$$