

## **Granby Highway Department Statistics**

- 1) The Total road miles in town – 68 miles
- 2) Road miles maintained by Granby Highway Department – 58 miles
- 3) Approximate road costs – The cost to reconstruct one mile of residential low volume road is approximately \$200,000 per mile. High volume roads can be 1.5 to 2 times this cost. ( cost based on 2010 Dollars)
- 4) Based on these approximations, the total value of the roadways in town probably is on the order of 16 to 20 million Dollars for just the road surface. This cost excludes all drainage, utilities, curbs, signage, and guardrail.
- 5) A computerized pavement management system is used to maintain our roadway assets. The pavement management system indicates that we are not spending enough on maintenance. Consequently, our roads are deteriorating at an alarming rate. A crude check of the pavement management system is as follows: average overlays will last 10 to 12 years depending on traffic and soil conditions. If we assume a 15 year interval (stretching the average beyond 12 years), and divide the total road miles of 58 by 15. The result is 3.8 miles per year. This is the number of road miles that should be overlaid or reconstructed each year. The cost for an overlay is slightly lower than the reconstruction cost of \$200,000 per mile. Using only the simple overlay cost of \$150,000 per mile, our annual roadway maintenance budget should be a minimum of 3.8 times this amount, or \$537,000 per year. We currently receive approximately \$210,000 per year in chapter 90 money to perform this work. The bottom line is that unless the roadway maintenance budgets are more than doubled our pavements will continue to deteriorate.
- 6) Guardrail – Approximate total length of guardrail is 15,671 feet. Estimated replacement cost \$313,500.
- 7) Storm drain Pipe and culverts- Approximate total length 42,596 feet. Estimated replacement cost over 1.5 million dollars.
- 8) Catch Basins / Manholes – Total number of structures 476. Estimated replacement costs .75 million dollars.