

Definitions

Chip Sealing - Is similar to resurfacing a driveway coating the road surface with sealer then laying down pea stone which is

Overlay - Adding a layer of asphalt over existing road surface.

Reclamation - Rebuilding the entire surface of a road, ripped up, graded, gravel added to ensure a solid base then asphalt

Shimming - Filling uneven road surfaces with hot top or cold patch.

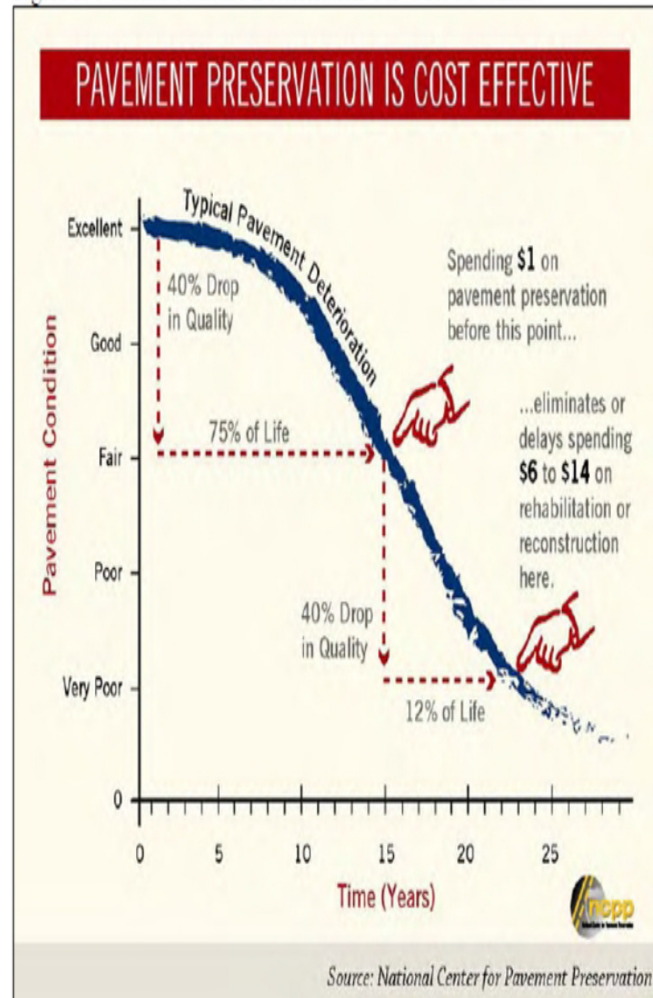


2014 Paved Road Restoration Committee

Harry Spear, Chair
Barbara DeVore, Secretary
Curt Dunn
Roy Lundstedt
Dave Morrison
Chris Rush
Bernie O'Grady, Selectman
Highway Liaison

Five Year Recommendation

Figure 5: National Standard Deterioration Curve for Pavement.



Typical Life Extensions

Treatment	Good Condition (PCI = 80)	Fair Condition (PCI = 60)	Poor Condition (PCI = 40)
Crack Fill or Seal	1-3	0-2	0
Chip Seal	4-10	3-6	0-3
AR Chip Seal	6-12	3-7	2-4
Thin HMA	4-10	3-7	2-4
Bonded Wearing	6-12	3-7	2-4
AR HMA Mixes	10-15	5-12	3-6

Apply treatments at the right time & get the best return on your investment or Equivalent Annual Cost "EAC"

PCI = Pavement Condition Index

Summary

- #1 Far less expensive to keep good pavements good.
- #2 Treat the pavement early before distress becomes severe.
- #3 The time window is narrow for optimal performance.

Prioritized List by Year

2015

Balance encumbered from 2014	\$48,898	
Proposed Warrant article	\$50,000	
Proposed Paved Road Restoration Budget - 6018-13	<u>\$123,000</u>	
	\$221,898	
	Estimate	Road Miles
Reclaiming and paving of Townsend Road from Jackson Road to state line 1.7 miles	\$212,500	1.7
Shimming and chip sealing Brookline Road from Depot Road as far as money allows	\$9,398	
Total	<u><u>\$221,898</u></u>	<u>1.7+</u>

2016

Proposed Warrant article	\$50,000	
Proposed Paved Road Restoration Budget - 6018-13	<u>\$123,000</u>	
	\$173,000	
	Estimate	Road Miles
Chip sealing Townsend Road 0.8 miles from Depot Road to Jackson Road	\$22,400	0.8
Chip sealing Greenville Road .6 mile from Meeting House Hill Road	\$16,800	0.6
Chip sealing Wilton Road .7 mile from Greenville Road to 344 Wilton Road	\$19,600	0.7
Shimming and chip sealing Campbell Mill Road 1.2 miles	\$89,200	1.2
Reclaim, pave and seal Wilton Road .2 miles from 344 to 475 Wilton Road	\$25,000	0.2
Total	<u><u>\$173,000</u></u>	<u>3.5</u>

2017

Proposed Warrant article	\$50,000	
Proposed Paved Road Restoration Budget - 6018-13	<u>\$123,000</u>	
	\$173,000	
	Estimate	Road Miles
Reclaiming and paving		
Starch Mill .4 mile from 236 Starch Mill to Old County Road	\$50,000	0.4
Starch Mill Road bridge 380 feet (.072 mile)	\$12,500	0.072
Russell Road .7 miles	\$87,500	0.7
Shimming Abbott Hill .1 mile	\$23,000	0.1
Total	<u><u>\$173,000</u></u>	<u>1.3</u>

2018

Proposed Warrant article	\$50,000	
Proposed Paved Road Restoration Budget - 6018-13	<u>\$123,000</u>	
	\$173,000	
	Estimate	Road Miles
Chip sealing		
Brookline Road 2.4 miles from Script's Lane to Brookline town line	\$67,200	2.4
Depot Road .5 mile from Brookline Road to rail trail	\$14,000	0.5
Abbott Hill .8 mile from bottom of hill to Wilton town line	\$22,400	0.8
Mitchell Hill Road north side of 4 way intersection .1 mile	\$2,800	0.1
Meeting House Hill Road .8 mile from RT 123	\$22,400	0.8
Pullman Road .6 mile	\$16,800	0.6
Jones Crossing .1 mile	\$2,800	0.1
Darling Hill Road .1 mile	\$2,800	0.1
Old County Road .7 mile	\$19,600	0.7
Shimming	\$2,200	
Total	<u><u>\$173,000</u></u>	<u>6.1</u>

2019

Proposed Warrant article	\$0	
Proposed Paved Road Restoration Budget - 6018-13	<u>\$123,000</u>	
	\$123,000	
	Estimate	Road Miles
Reclaiming and paving		
Mitchell Hill Road south side of 4 way intersection 0.3 miles	\$7,200	0.3
Greenville Road engineering	\$10,000	
Greenville Road 0.6 mile from 717 Greenville Road west to Greenville town line	\$75,000	0.6
Greenville Road chip seal 1.1 miles from 254 Greenville west to Greenville town line	\$30,800	1.1
Total	<u><u>\$123,000</u></u>	

Disclaimers

- All paved roads have been discussed and issues will be addressed as funds become available.
- Plan based on 2014 price estimates