

# Pavement Management Program Town of Waterford

2015 Update

Presented by Gordon Daring



### **Presentation Outline**

- Pavement Management Background
- Conditions in Waterford
- Recommendations

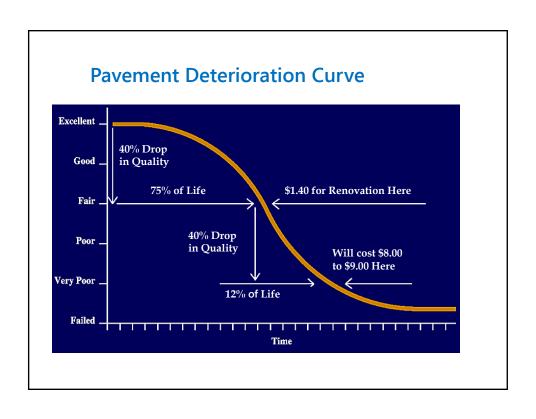
## What is Pavement Management?

... The practice of planning
for pavement maintenance and rehabilitation
with the goal of maximizing
the value and life of a
pavement network.

"Getting the Biggest Bang for your Buck"

### **The Process**

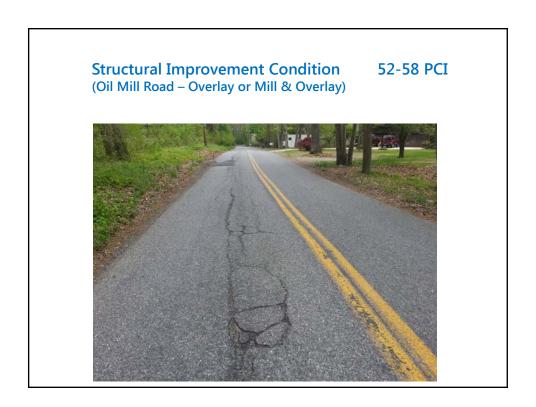
- 1. Pavement Section Inventory
- 2. Pavement Distress Identification & Quantification by Visual Inspection
- 3. Pavement Condition Index (PCI) Calculation on a 0 to 100 Scale
- 4. GIS Integration
- 5. Define Repair Strategies and Costs
- 6. Test Various Budget Scenarios
- 7. Develop Annual Road Program





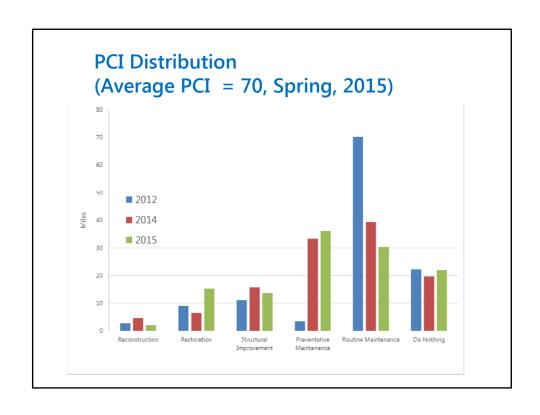


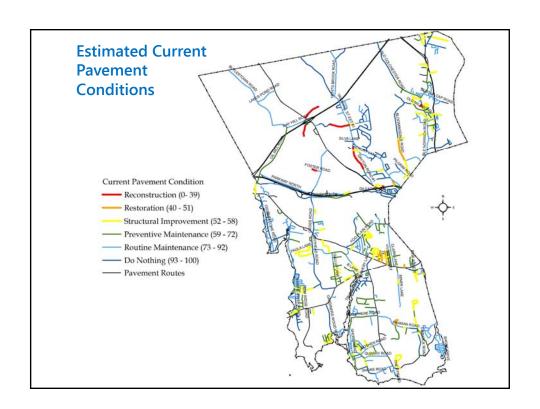






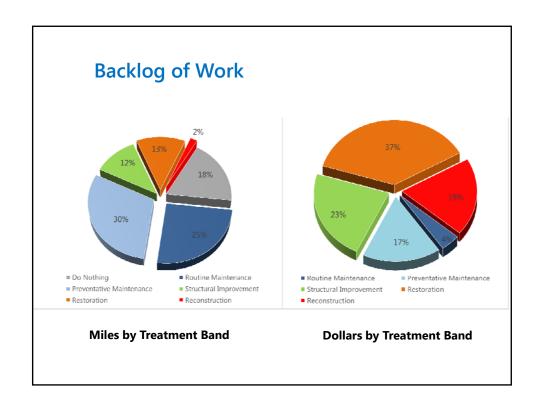


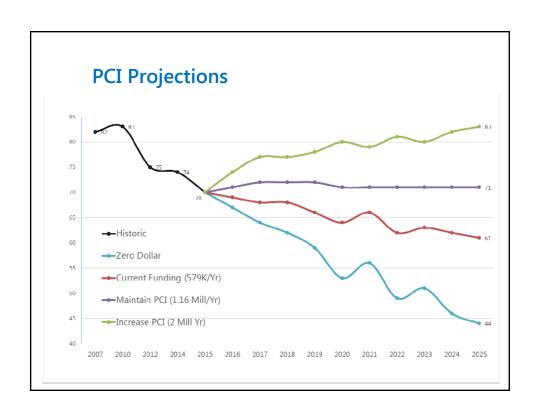




Unit Costs	(
Treatment	Estimated
	Cost/SQ Yard
Reconstruction	
Arterial Collector	\$88.00
Local	\$75.00
Restoration	() ( )
Full Arterial Collector	\$22.50
Full Local	\$22.50
Structural Improvement	
Overlay Local	\$8.75
Overlay ST	\$8.75
Preventive Maintenance	
Chip Seal	\$1.85
Cape Seal	\$3.75
Crack Seal, Patch, Microsurface	\$4.40
Routine Maintenance	//_//
Patch & Crack Seal	\$1.75
Local Patch & Crack Seal	\$1.25
Paver Localized Repair	\$1.25

Backlog of Wor	k	
Treatment Band	Miles	<u>Dollar Backlog</u>
Do Nothing	22.0	\$ 0
Routine Maintenance (Crackseal & Patch)	30.4	578,982
Preventive Maintenance (Microsurface)	36.0	2,331,178
Structural Improvement (Overlay, Mill & Overlay)	13.7	3,121,879
Restoration (Reclaim & Overlay)	15.2	5,136,108
Reconstruction	2.2	2,669,737





## **Conclusions & Recommendations**

- Average conditions have been gradually deteriorating at current funding level
- Town should allocate sufficient budget to achieve condition goal
- Continue to include pavement preservation in program while funding major projects
- Provide resources to check quality during construction
- Continue to monitor conditions and progress