

Pavement Preservation

**Town of Providence, NY
George Whitney
Highway Superintendent**

Introduction

- **George Whitney**
 - **Highway Superintendent**
 - **Started Jan, 2010**
 - **Town Board Member – 16 years**
 - **Town highway involvement – 20 years**
 - **Lifelong Town of Providence resident**

Outline

- Existing conditions
- Need to change
- Changes made
- Expected results



Existing Conditions

- **90 Lane Miles – including 20 gravel**
- **Minimal road histories**
- **No Pavement Management System**
- **Worst first philosophy**
- **No condition ratings**
- **No traffic volumes**
- **System generally in fair condition**

Staffing, Equipment & Budget

- 6 employees + Highway Superintendent
- 4 – 10 wheel dump trucks
- Grader, Gradall, loader, excavator, roller, tractor mower
- Total budget - \$870,000
 - Pavement Projects - \$240,000
 - Snow and Ice - \$238,000

Highway System



Actions taken

- Met with employees
- Met with peers
- Met with Town Board
- Attended Pavement Preservation meeting
- Met with local vendors
 - Asked for advice



Adopt Pavement Preservation Policy

- Worst First has not worked
- Keep good roads good
- Concentrate on higher volume roads first
 - Chip away at poor roads over time



Inventory

- **Search available records to establish road history**
- **Complete field inventory**
 - **Lengths**
 - **Widths**
 - **Physical features**
 - **Logical termini**

Establish Rating System

- **Keep it simple**
 - Town Board
 - Town voters
- **Rate roads**

Grading Scale

10	Absolutely perfect, road done this year
9	Road needs nothing
8	Light to medium cracking – crack sealing needed
7	Moderate cracking, few bad spots – crack sealing – micropaving or other overlay possible
6	Heavy cracking, rutting beginning to take place – possible paving or reclaiming
5	Heavy cracking and rutting – reconstruction needed
4	Road beginning to break up, rocks coming through, rutting badly
3	Road broken up very badly
2	Road impassable by vehicle traffic
1	Road impassable by even 4 by 4

Inventory/Condition Rating Tool

- **Example**

Develop Highway Program

- **Funding Constraints**
 - Crack seal vs reconstruct
 - Concentrate on highest volume road



Summary

- Existing conditions
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Questions

