

# Keys To a Successful Pavement Preservation Program

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National **Pavement Preservation** Conference 2016

Every Department of Transportation,  
and thousands of cities and counties  
throughout North America are  
employing pavement preservation  
treatments

Many of these agencies have a  
Pavement Preservation Program &  
Taxpayers have saved untold  
\$\$\$ millions \$\$\$

Stagnant funding, a deep recession  
and a very long recovery led to the  
willingness to try preservation  
treatments on a larger scale

# We Can't Go Back!!

## WHY ?

We have well over a decade of success?

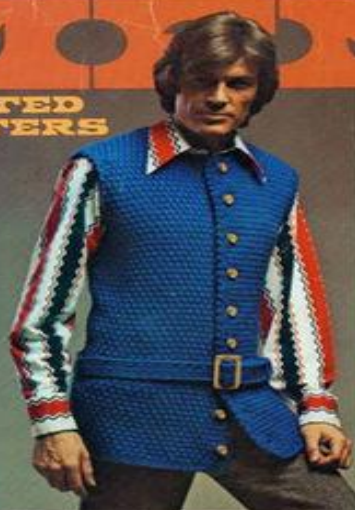
Taxpayers are used to us being more responsible?

There's never going to be enough money?

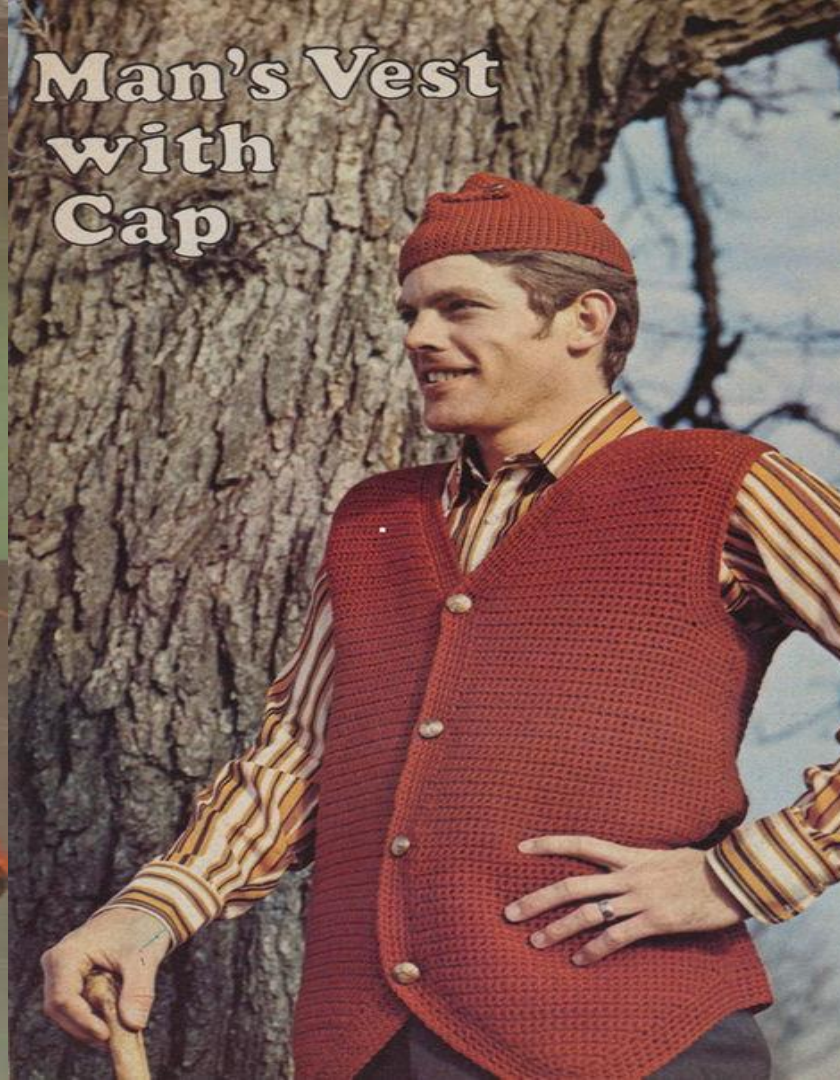




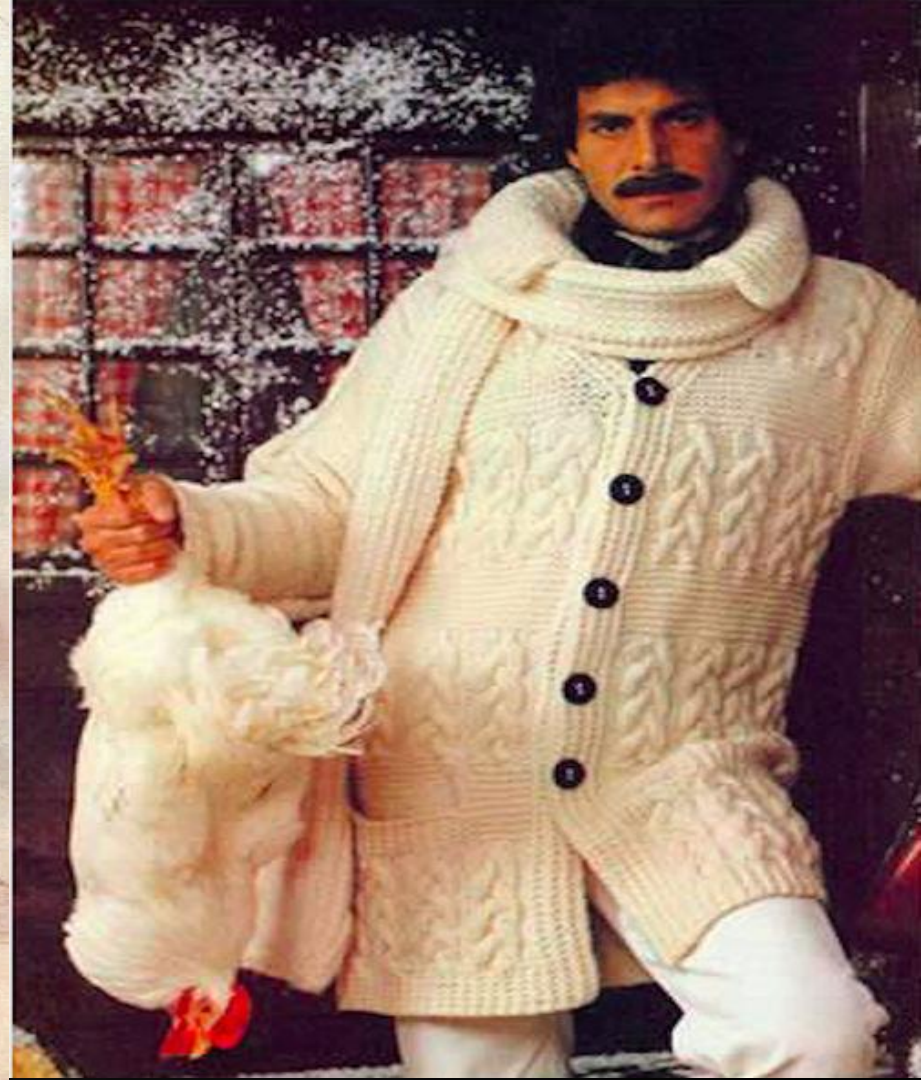
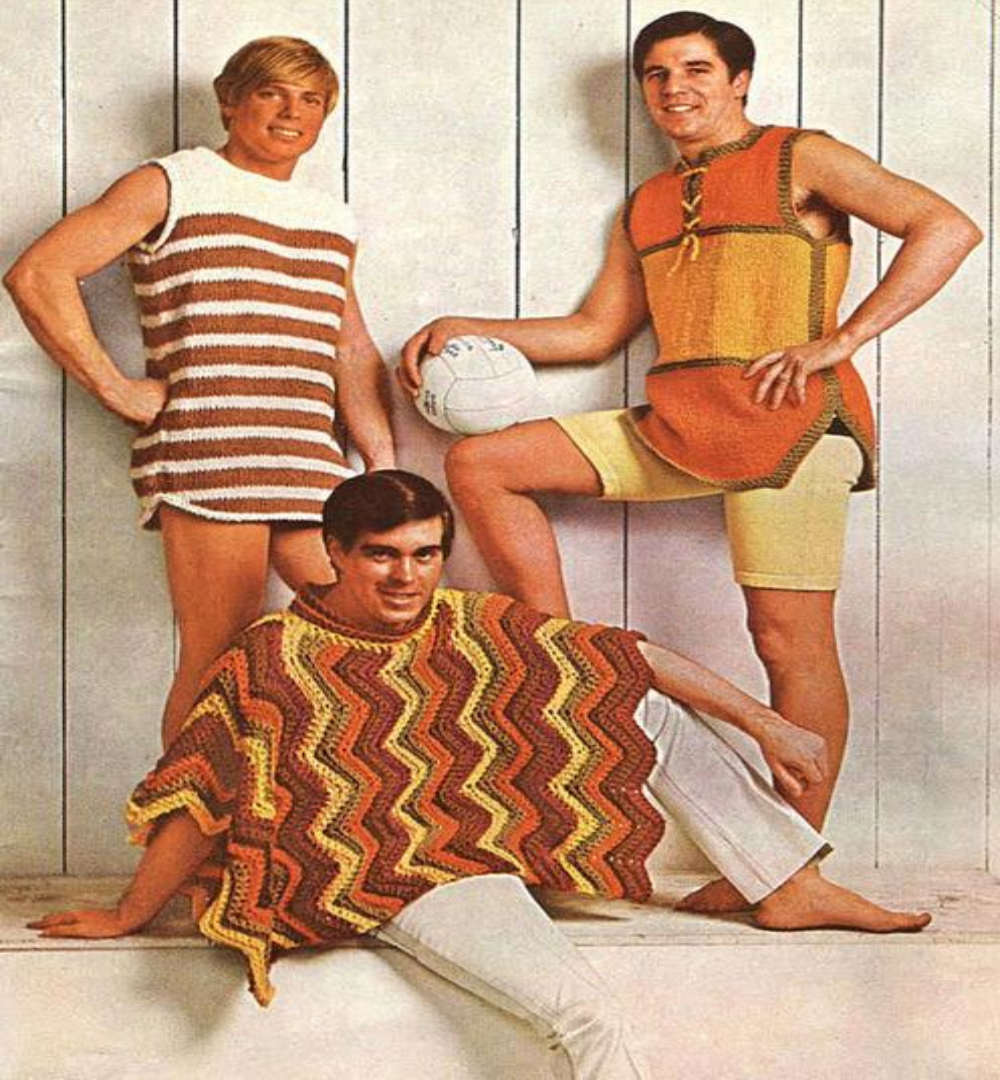
IN BELTED  
SWEATERS



# Man's Vest with Cap

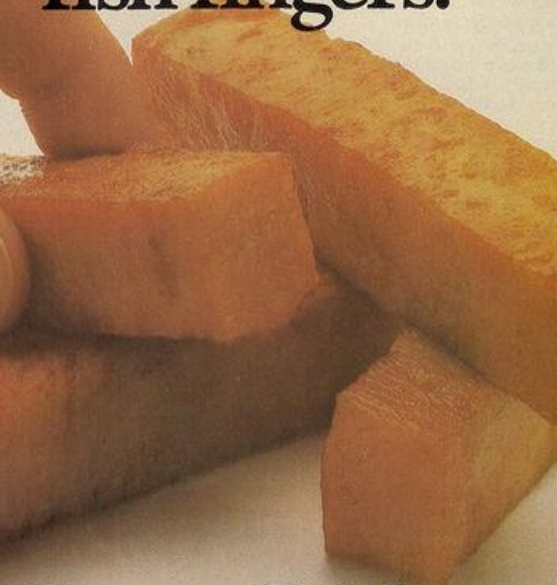








# As much fun as fish fingers.



## Spam Sticks.

For a snack surprise as tasty as any of family's favourites, gently fry sticks of Spam in butter or margarine until brown. Use only Spam Spiced Ham because it's guaranteed to be 95% pure leg ham and shoulder ham.

Packed by J.C.Hutton Pty Ltd.



HUT 564

Hellmann's helps you scramble eggs a luscious new way.

## Mayoneggs

Eggs taste lighter, smoother with Hellmann's. It's Real Mayonnaise—so fresh and delicate it gives scrambled eggs a subtle new flavor, a creamy new texture. And Real Mayonnaise is the other name for Hellmann's.

2 eggs  
1 tablespoon HELLMANN'S® Real Mayonnaise  
Salt and pepper to taste

Beat eggs, Real Mayonnaise, salt and pepper until well blended. Melt 2 teaspoons margarine in small skillet over medium heat. Add egg mixture and cook, stirring occasionally, until eggs are set. Makes 1 serving.

BRING OUT THE HELLMANN'S AND BRING OUT THE BEST



## Soup on the rocks.

Cool off with Campbell's Beef Broth. Take it straight from the can and onto the ice. Try it with a dash of Worcestershire or lemon garnish. You can even add your own thing. It's a great way to cool off after a hot day on land or sea. As a matter of fact, don't even wait for a real hot day; start pouring now. Cheers!

Mm! Mm! Good!



# Two Bytes Are Better Than One

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New from Muriel. About 5 for 25¢.

Things have changed for  
the better

SO

We need to continue to  
move forward

# We have to have a plan

The following thoughts could be some of the



that help sustain your  
program



Communication  
Commitment  
Network Mindset  
Participation

Think of these as  
**BEST PRACTICES**

The more of them that are  
accomplished, the better the  
chance of success

# Communicate With Funders

- What is the result of the spending?
- Teach them the basics
- Get involved with them
- Let them take credit
- Make it easy to continue to fund the program



# Communicate With Taxpayers

- Provide direct access
- Inform them using appropriate media
- Follow up with progress
  - How many miles are treated
  - How much money is saved
  - Effect on local economy

# Communicate Internally

- What's the plan?
- Share knowledge
- Plan for transition
- Plan for success
- Work with other agencies

# Communicate With Industry

- What's new
- How can we partner
- Value engineering
- How can cost be controlled
- Use their resources

# Communicate With Industry

- Ride the roads
- Invite them inside
- Learn from their successes
- Learn from their mistakes
- Learn what's really important for the treatment to perform



# Critical Areas of Commitment

- Time
- Funding
- Education



# Network Mindset

W. Edwards Deming said

“Without data, you are just someone with an opinion.”

# Network Mindset

- Decisions are based on the whole rather than the parts
- Keep Score
- Work to understand the factors that affect your network score

# Employing a Network Mindset Allows Us To

- Measure Progress
- Predict the effects of different strategies
- Affect funding considerations
- Plan for steady improvements



# Network Mindset

- **Defend** the decisions made
- **Provide** political cover
- **Answer** questions from taxpayers
- **Maximize** taxpayer contributions

# Network Mindset

- Inputs are local
- Make decisions from your office
- Allows network condition predictions
- Multiple strategies can be evaluated
- DATA is created and shared

## A Quick Check of Your Highway Network Health

by Larry Galehouse, Director,  
National Center for Pavement Preservation  
and

Jim Sorenson, Team Leader,  
FHWA Office of Asset Management

Historically, many highway agency managers and administrators have tended to view their highway systems as simply a collection of projects. By viewing the network in this manner, there is a certain comfort derived from the ability to match pavement actions with their physical/functional needs. However, by only focusing on projects, opportunities for strategically managing entire road networks and asset needs are overlooked. Although the "bottom up" approach is analytically possible, managing networks this way can be a daunting prospect. Instead, road agency administrators have tackled the network problem from the "top down" by allocating budgets and resources based on historic estimates of need. Implicit in this approach is a belief that the allocated resources will be wisely used and will prove adequate to achieve desirable network service levels.

By using a quick checkup tool, road agency managers and administrators can assess the needs of their network and other highway assets and determine the adequacy of their resource allocation effort. A quick checkup is readily available and can be usefully applied with minimum calculations.

It is essential to know whether present and planned program actions (reconstruction, rehabilitation, and preservation) will produce a net improvement in the condition of the network. However, before the effects of any planned actions to the highway network can be analyzed, some basic concepts should be considered.

8 Pages that thoroughly explain the concept.

Developed by  
Larry Galehouse, NCPP  
and Jim Sorenson, FHWA

# WE CANT AFFORD A FAILURE



National Pavement Preservation Conference 2016

IF this is true,  
what are we willing to do  
to assure that we don't  
have one?



WE MUST  
WORK  
TOGETHER



The best materials can't overcome  
a **bad contractor**

The best contractor can't perform  
using **bad materials**

Poor Specifications will defeat  
good intentions of the best  
contractors and the best material  
suppliers

A treatment applied by the best contractor using the best materials and a good specification will not perform if the **site selection is poor**

The best contractor using the best  
materials and a great specification  
on the perfect candidate  
won't get the job if it is known that  
the agency doesn't participate

# Agency Participation

Demand good work by **not accepting bad work**

- Develop sound specifications
- Calibrate
- Inspect
- Test

# Swing the HAMMER

# Understand the Treatments

- What
- When
- Where
- Why
- Costs
- Life extensions
- Advantages
- Reactive or preventive



# Preservation Treatments Move Fast

- Don't experiment recklessly
- Select treatments thoughtfully
- There is no magic
- Share Knowledge

# Do you know what happened?

Times

Weather

Application rates

Return to traffic

Test results

Equipment-sequence

Significant events

Problems Resolutions

Special conditions

Will we choose Belted Sweaters and  
Spam Sticks or move towards  
improvements?

It's up to **all** of us



? ? ? ?

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