

NATIONAL ASSOCIATION OF COUNTY ENGINEERS



Timothy Hens, PE

NACE State Director – New York

County Engineer, Genesee County, NY



National Association of County Engineers

The Voice of County Road Officials

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Pavement Preservation

NACE- County Perspective on Pavement Preservation

Environmentally Sensitive Maintenance for Dirt and Gravel Roads

A Quick Check of Your Highway Network Health

A Quick Check of Your Highway - Memo

FHWA - NCPP Quick Check Exercise - (PowerPoint Document)

National Center for Pavement Preservation

FHWA Policy Document on Pavement Maintenance Eligibility

Diamond Grinding for Pavement Preservation

Visit Our Platinum Corporate Member:



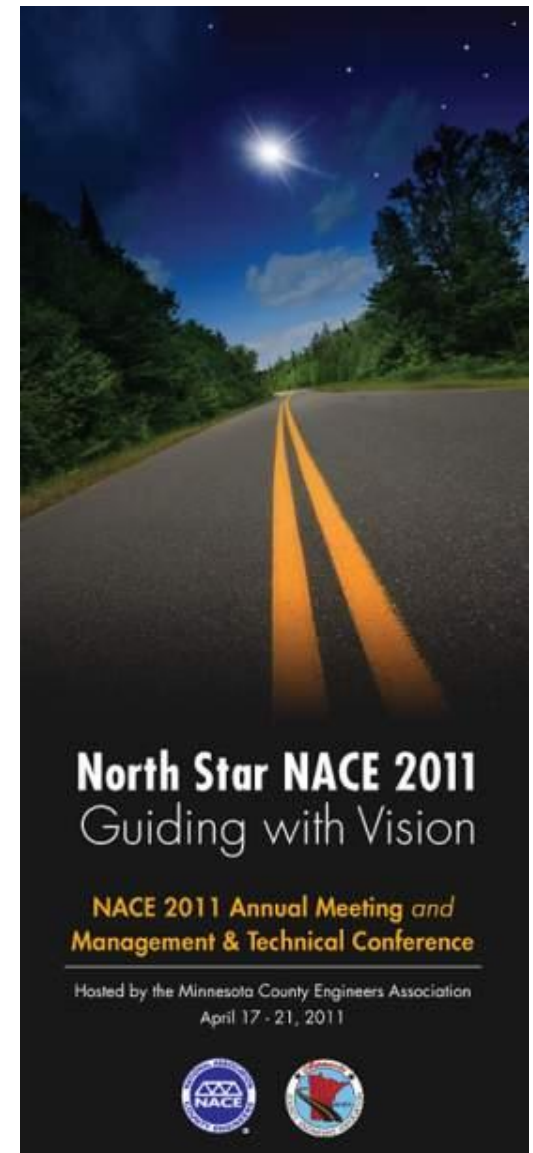
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25 Mass. Ave, NW, Suite 580
Washington, DC 20001
Phone: (202) 393-5041 | Fax: (202) 393-2630 | E-mail: nace@naco.org



www.countyengineers.org

2011 Annual Conference

- April 17-21, 2011 Minneapolis
- Pavement Preservation Sessions
 - Pavement Preservation / New Bit Paving Trends / White Topping Conc. Overlays
 - GOING GREEN -Green Technology in Pavement Preservation
 - FHWA Topics - Every Day Counts / federal streamlining



- NACE Pavement Preservation Efforts
 - NACE Pavement Preservation Working Group
 - NACE Guide Books
 - **Maintenance Management**
 - **Road Surface Management**
 - **Rural Transportation Planning**



Local Perspective

- Genesee County, NY located between Buffalo and Rochester in Western New York State
 - 260 Centerline Miles
 - Agriculture is No.1 Industry
 - Snow Belt Area from Great Lakes (+100 inches/yr)
 - Population 60,000
 - Predominately Rural Population



Local Perspective

- Annual Capital Improvement Fund = \$1.4M
 - NY State Funded
 - Local Funded Projects via Sales Tax Aid (<\$500K)
- Annual County Road Budget = \$3.8M
 - Snow and Ice Removal = \$1.5M
 - Admin, Traffic Control & Engr = \$700K
 - Road and Bridge Maintenance = \$1.6M
 - 24 Employees

Local Perspective

- Local Preventative Maintenance Efforts
 - Cracksealing
 - Chipseal
 - True & Level
 - Micropaving
 - NOVAChip
 - Thin Overlays



Local Perspective

- Challenges to Preventative Maintenance
 - Budget and Inflation
 - Both Capital and PM Funding at 1998 Levels
 - Material Price Escalation (+200% since 2005)
 - Quality Control
 - Asphalt
 - Use of Polymer Additives
 - Public Expectations and Inconvenience

Local Perspective

- Challenges to Preventative Maintenance
 - Life Cycle
 - Average Treatment Adds 5 yrs
 - 260 miles/5 yrs = 52 miles/year to Maintain
 - Movement Away from Chipseals to Micropaving and Thin Overlays
 - Deferred Maintenance Reduces Options
 - \$1 saved current = up to in \$4 future cost