Senate Transportation Task Force Hearing

ASPHALT PAVEMENT ASSOCIATION OF MICHIGAN

October 30, 2012 - Lansing, Michigan

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Presentation Outline

ASPHALT PAVEMENT ASSOCIATION OF MICHIGAN

- Association Introduction
- Pavement System Condition
- Purchasing Power and Commodity Prices
- Mix of Fixes
- Technological Advances in the Asphalt Industry

Asphalt Pavement Association of Michigan (APAM)

Originally Organized in 1950

Statewide Trade Association

Hot Mix Asphalt (HMA) Producers and Paving Contractors

Approximately 75 HMA manufacturing plants in Michigan

APAM Members:

- operate 62 plants in the state
- produce about 90% of the total HMA tonnage

Pavement System Conditions

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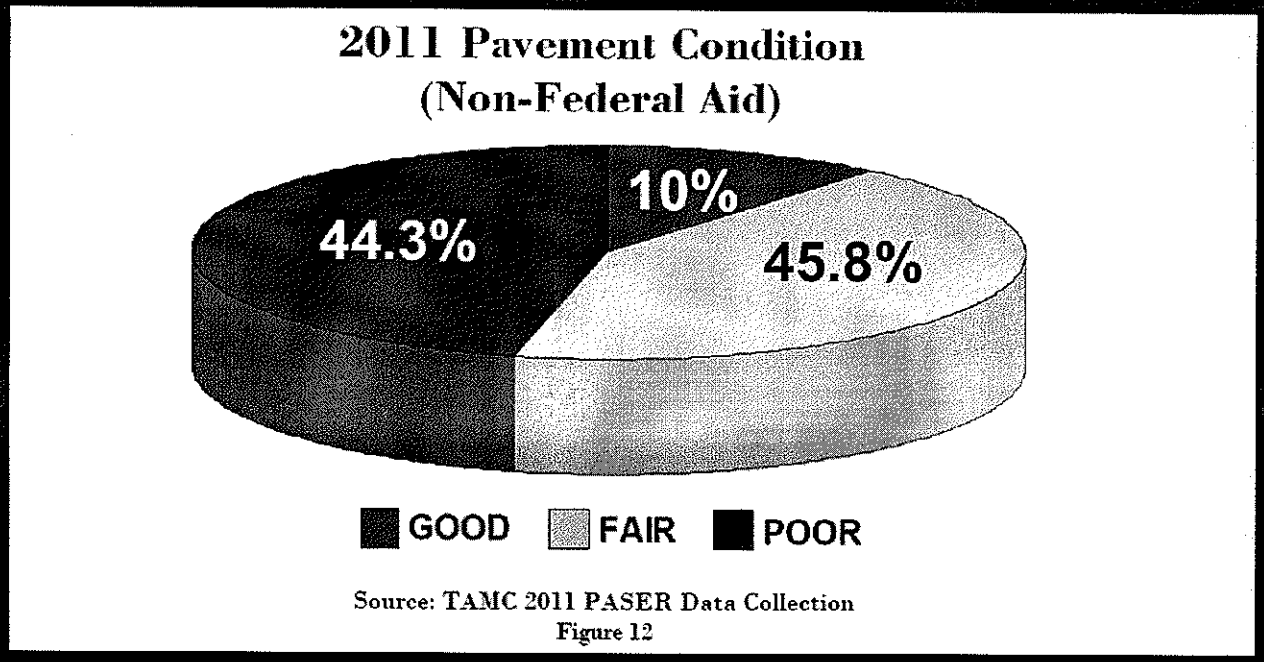

Non-Federal Aid Roads = residential streets and lightly traveled county roads.
= **Local Roads**

Pavement System Conditions

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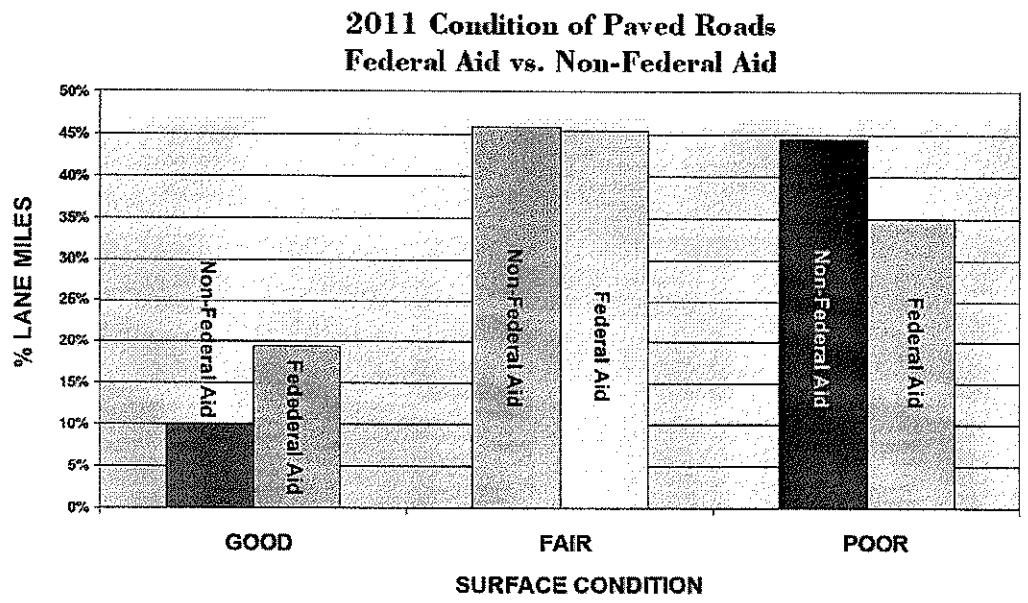
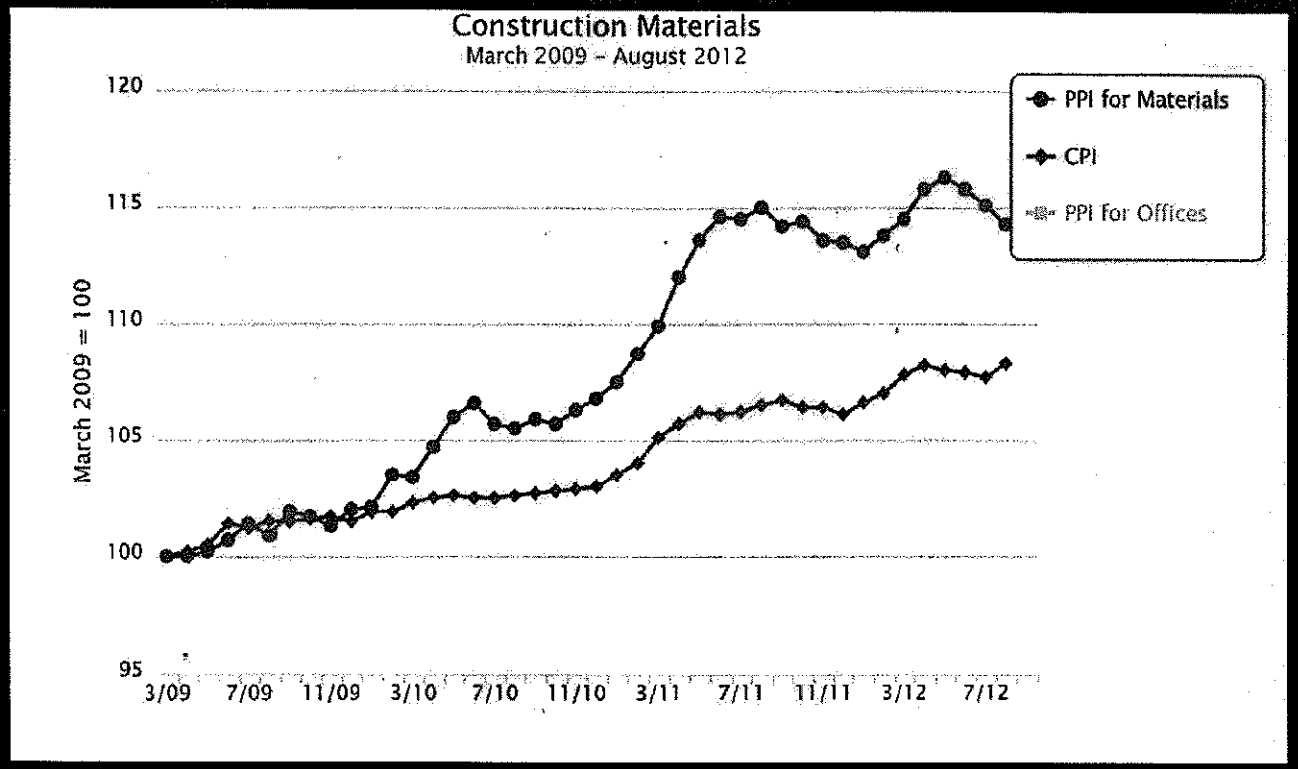
Federal-Aid vs. Non-Federal-Aid Roads and Streets



Source: TAMC 2011 PASER Data Collection

Non-Federal Aid roads = Local Roads

Purchasing Power and Commodity Prices



Source AGC of America (www.agc.org)

Purchasing Power and Commodity Prices

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Cost of the materials that contractors purchase have increased:

- Aggregates
- Asphalt
- Fuel
- Construction Equipment
- Labor (including healthcare benefits)
- Cement
- Steel

Mix of Fixes

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Capital Preventive maintenance - (Crack Filling, Surface treatments, thin overlays)

Rehabilitation - Conventional overlays (3 to 6.5 inches, usually with base preparation)

Reconstruction - Full depth pavement removal and replacement (10 – 13 inches)

How the Asphalt Paving Industry is helping to Meet the Challenge

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Recycled Asphalt Pavement (RAP)

- Continuing to work with MDOT and local agencies to increase the use of RAP
- Estimated Savings to MDOT and Local Agencies in 2010 - $35M – $40M

Why use RAP in new Asphalt Pavements?

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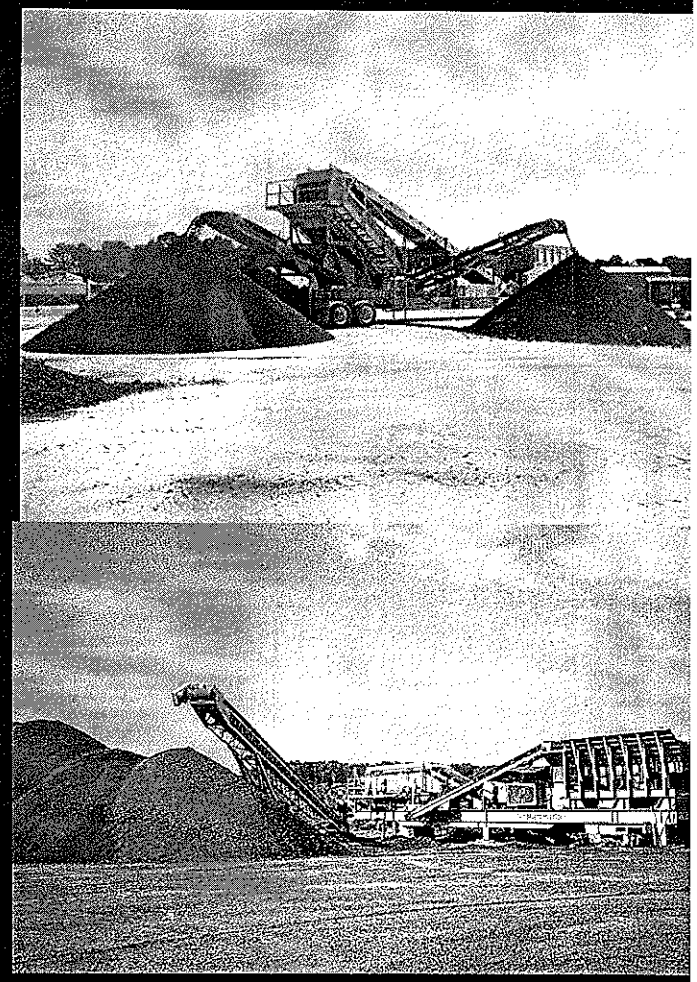
- Contains valuable materials
- Same or better performance as virgin mix
- Reduces demand for new materials
- Reduces carbon footprint
- Save $ (10% - 20% or more)



How the Asphalt Paving Industry is helping to Meet the Challenge

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Ultra – Thin HMA Overlays

- 3/4" asphalt overlay
- Placed on good pavements
- Specifically designed for traffic level
- Extends pavement service life 5 to 9 years
- Approx. 800 miles completed to date (all markets)

Technological Advances in the Asphalt Pavement Industry

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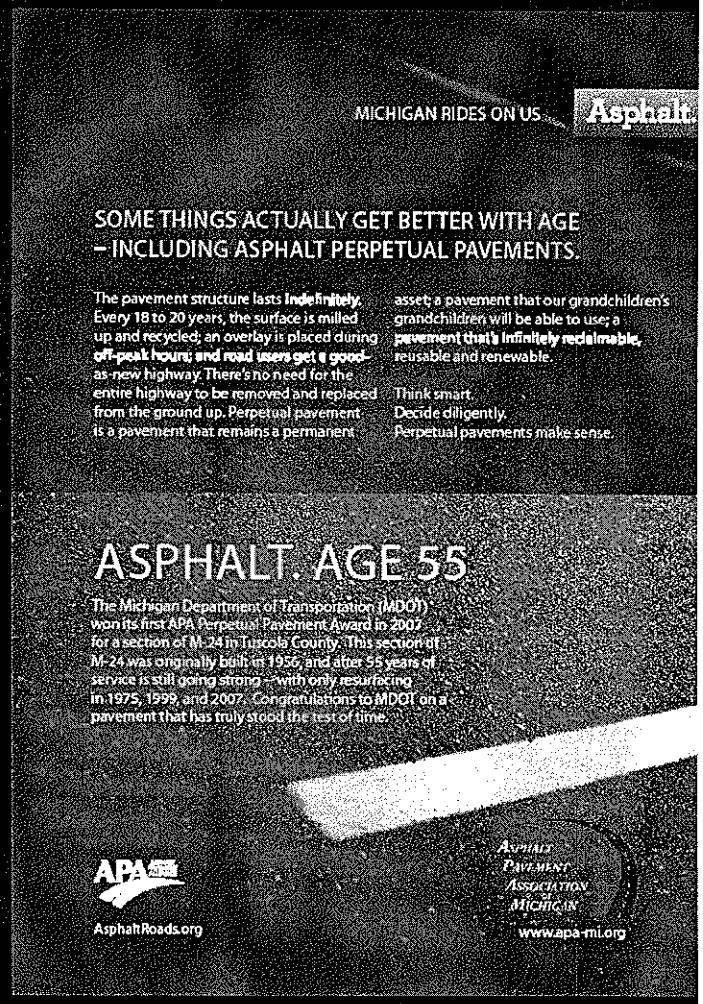
- Superpave
- Perpetual pavements
- ASCRL – Asphalt stabilized crack relief layers
- Warm mix asphalt



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Questions

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