

**WARM MIX
ASPHALT
EVERY DAY**

BRAD HENNINGSEN – HENNINGSEN CONST

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- **Started 1949**
- **Switched to WMA beginning 2012 - Future of asphalt**
- **IDOT implemented WMA spec**

TEREX WARM MIX SYSTEM



- 250 gal foaming system
- 265-270 Degrees at Plant

WMA EXPERIENCE

- **Since Spring 2012 we produced WMA every day**
- **Over 600,000 tons**
- **Almost every excepted ESAL mix design**
- **Over 100,000 tons of RAS/RAP/WMA**
- **3% RAS and 5% RAP @ 265 degrees**



BENEFITS

- Lowered burner fuel usage
- Higher production
- Employee temps/fumes
- Environmentally friendly



DISADVANTAGES

- **Another part/system to break**
- **Make sure it is metered at the correct quantity**
- **Initial cost of foaming device and set up**



CONCLUSION / QUESTIONS

- Lots of benefits – not many disadvantages

