

Illinois Asphalt Pavement Association 81st Annual Convention

Kay Batey

Division Administrator, FHWA

March 13, 2018



Wishful News:

- We have NEW federal and state funding
- We have a NEW budget and no more CR's
- We have a NEW 300% INCREASE to IDOT current construction and programming budgets
- We have No Earmarks
- We have legislation for Design-Build and P3 options
- Others ???



The Real News

- Currently, no new federal or state funding
- We are in CR number 3 since October 1, 2017, no budget yet (expires March 23rd)
- FHWA under an Acting Administrator
- No increase in funds for IDOT
- Talk of bringing back earmarks ??
- No resolutions from state legislature on Design-Build or P3 options
- BUT, ...

White House
INFRASTRUCTURE INITIATIVE

8 Parts

- **Infrastructure Incentives Program** – partnerships, contributions from locals, cities, etc. – counts for 50% of total funding
- **Transformative Projects Program**– funds and technical assistance available for innovative and transformative infrastructure projects – based on competitive basis – more high risk – counts for 10% of funding
- **Rural Infrastructure Program** – encourage investment to enable rural economies, facilitate freight movement, improve access to reliable and affordable transportation, etc. – counts for 25% of total funding



White House
INFRASTRUCTURE INITIATIVE

- **Federal Credit Programs** – designed to increase the capacity of existing Federal lending programs to increase investment – counts for 7.05% of total funds
- **Public Lands Infrastructure Fund** – creates a new fund in the U.S. Treasury called “Interior Maintenance Fund”
- **Disposition of Federal Real Property** – establish new authority through EO to allow disposal of Federal assets
- **Federal Capital Financing Fund** – creates a funding mechanism similar to a capital budget – counts for 5% of total funds
- **Private Activity Bonds** – currently allowed but will allow broader categories of public purpose infrastructure



USDOT and FHWA Priorities

- Streamlining and accelerating project delivery
 - Regulatory reform
 - Directing discretionary grant program funds for critical infrastructure
 - Potential for private investment
 - Innovative financing
- 

Initiatives/Programs Underway

- INFRA – Nationally Significant Freight & Highway Projects (formerly FASTLANE)
- TIGER 2017 (#9) – \$7.6M Illinois I-57 project
- Future Interstate Study – conducted by TRB

<http://www.trb.org/FutureInterstate/FutureInterstateStudy.aspx>

Building on our Achievements



EDC-4 (2017-2018)

- 11 innovations (3 from EDC-3)

EDC-3 (2015-2016)

- 11 innovations (2 from EDC-2)

EDC-2 (2013-2014)

- 13 innovations (4 from EDC-1)

EDC-1 (2011-2012)

- 14 innovations

Accelerated deployment of >40 innovations to date

FHWA Every Day Counts

Overview:

- Identify and rapidly deploy proven but underutilized innovations to:
 - Shorten the project delivery process
 - Enhance roadway safety
 - Reduce congestion
 - Improve environmental sustainability

- EDC Rounds: two year cycles
 - Initiating 4th Round (2017-2018)
 - 11 innovations



Every Day Counts in Illinois

- Advanced Hydraulic Modeling
- Pavement Preservation
- Safe Transportation for Every Pedestrian
- Using Data to Improve Traffic Incident Management
- Data Driven Safety Analysis
- e-Construction
- Ultra High Performance Concrete

Pavement Preservation: How

Quality Construction and Materials

Flexible Pavements

- Microsurfacing
- Chip Seal
- Slurry Seal/Scrub Seal
- Ultrathin bonded wearing course



Source: Applied Pavement Technologies, 2016



Source: VSS Macropaver, 2016

Rigid Pavements

- Diamond grinding
- Partial-depth repair
- Full-depth repair
- Dowel bar retrofit/cross stitching



Source: FHWA, 2013



Source: American Concrete Pavement Association, 2016

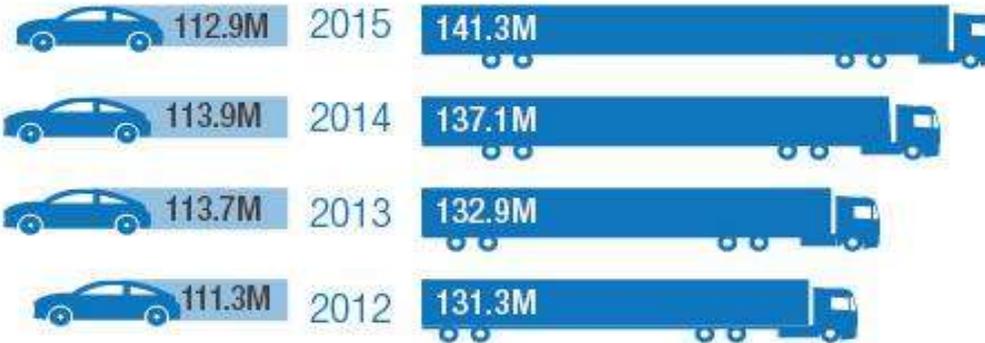
WOW Factoid

TRUCK REGISTRATIONS OUTNUMBER CARS FOR FOURTH STRAIGHT YEAR

TOTAL CARS



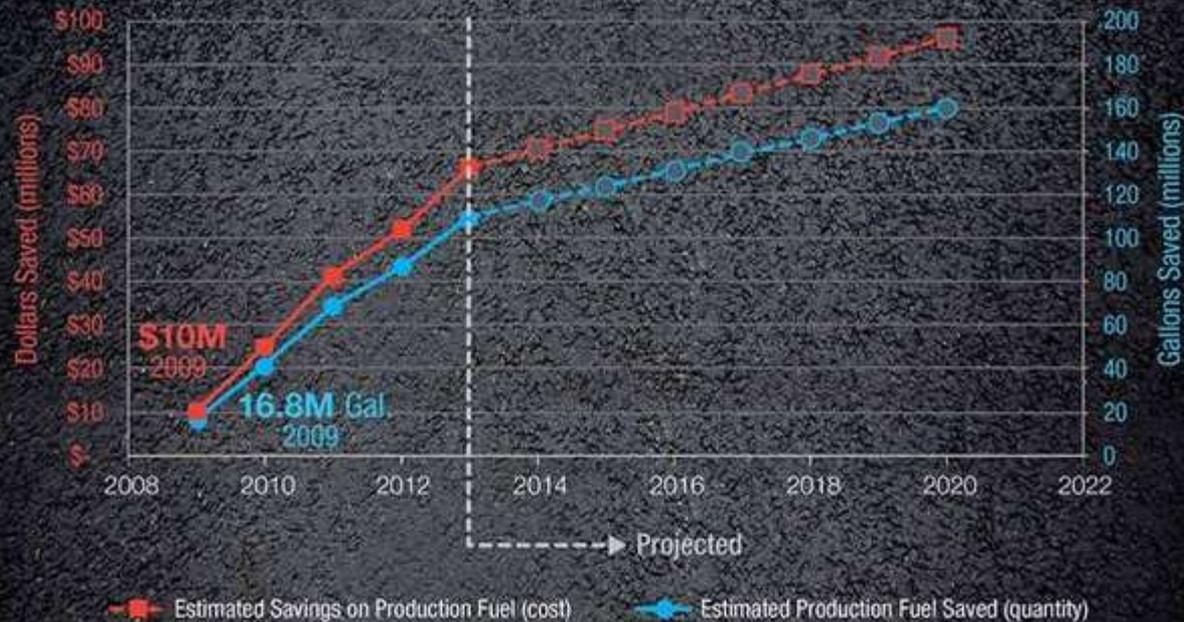
TOTAL TRUCKS



Source: FHWA Highway Statistics, Table MV-1.

INCREASING USE OF WARM MIX ASPHALT WILL SAVE OVER \$4 BILLION

By 2020, it is projected that 1,293 million tons of warm mix asphalt (WMA) will be produced for the nation's roads since its initial deployment in 2009. This would save approximately 778 million gallons of fuel worth over \$4 billion.



Source: <https://www.fhwa.dot.gov/innovation/everydaycounts/edc-1/wma.cfm>



Illinois – Things I have learned:

- **What percent of roads in America are surfaced with asphalt?**
- **How many stories does the Willis Tower have?**
- **How much of asphalt is recyclable ?**
- **What year was the first asphalt street installed in the U.S.?**
- **What is the State snack?**



QUESTIONS???

Thank you!!