News from FHWA

- AASHTO Washington Briefing, National Governors Association Meeting and U.S. Conference of Mayors – last week

- Secretary Chao – keynote speaker at the AASHTO Washington Briefing
  - Conducted roundtable with State CEOs
  - Discussed President’s infrastructure plan
  - Administration priorities
AASHTO Briefing

- Administration priorities:
  - Streamlining and accelerating project delivery
  - Regulatory reform
  - Directing discretionary grant program funds for critical infrastructure
  - Potential for private investment
  - Innovative financing
Regulatory Freeze Impacts on Performance Management Rules

- On January 20th the Trump Administration issued a memo to all agencies which would allow the President’s appointees or designees to review new or pending regulations.

- This memo calls for agencies to temporarily postpone the effective date of any new regulations that have been published, but that have not yet taken effect, subject to certain exceptions.

- Two of FHWA’s Performance Management Final rules fall under this category. PM#2 and PM#3 were published on January 18, 2017, and were scheduled to become effective on February 17, 2017.

- FHWA continues to work with the Office of the Secretary and the Office of Management and Budget to evaluate the impact of the memo on these rulemakings.
News from FHWA – Regulatory Freeze

- Asset Management
- Transportation Performance Measures (PM2 and PM3)
  - Bridge
  - Freight
  - Congestion
  - Air Quality
  - Pavement
Executive Order on Enforcing the Regulatory Reform Agenda

Executive Order: Enhancing Public Safety in the Interior of the U.S. (sanctuary cities)

Expediting Environmental Reviews and Approvals for High Priority Infrastructure Projects
Reducing Regulation and Controlling Regulatory Costs

Memorandum on the Hiring Freeze
Every Day Counts

- 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
Building on our Achievements

- 11 innovations (3 from EDC–3)

- 11 innovations (2 from EDC–2)

- 13 innovations (4 from EDC–1)

EDC–1 (2011–2012)
- 14 innovations

Accelerated deployment of >40 innovations to date

- Automated Traffic Signal Performance Measures (ATSPMs).
- Pavement Preservation (When, Where, and How)
- Community Connections
- Data-Driven Safety Analysis (DDSA)
- e-Construction and Partnering: A Vision for the Future
- Integrating NEPA and Permitting
- Collaborative Hydraulics: Advancing to the Next Generation of Engineering (CHANGE)
- Road Weather Management – Weather-Savvy Roads
- Safe Transportation for Every Pedestrian (STEP)
- Ultra-High Performance Concrete Connections for PBES
- Using Data to Improve Traffic Incident Management
Pavement Preservation: When and Where

- Network-level approach to managing pavements
  - considers the whole-life costs of the asset to reduce annual preservation costs without sacrificing performance

- Preservation part of the life-cycle analysis of alternate strategies for managing pavements
  - keep pavements in a state of good repair in the most cost-effective manner
Pavement Management with "Good Roads Cost Less" Preservation Strategies

Source: Utah DOT
Pavement Preservation: When and Where

Implementation Products:

1. Selection Guide
2. Analysis Tool
3. Training
4. Communications Plan
5. Strategy Guidance
6. Metrics
Pavement Preservation: How

Quality Construction and Materials

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

Rigid Pavements
- Diamond grinding
- Partial–depth repair
- Full–depth repair
- Dowel bar retrofit/cross stitching
C.H.A.N.G.E.

› Collaborative
› Hydraulics:
› Advancing to the
› Next
› Generation of
› Engineering
C.H.A.N.G.E.

Shell Creek, NE
Pavements & Floods

Image Source: Nebraska Department of Roads
Sacramento Wash, AZ
Road Maintenance & New Bridge Design

Image Source: Earthstar Graphics (Aerial Image)
C.H.A.N.G.E.
Planned Activities 2017–2018

- **Sustaining CHANGE**
  - Designation of champions
  - Champions working group
  - Prepare guidance examples

- **Increase awareness & collaboration**
  - FAQs & Fact sheets
    - 2D modeling
    - 3D modeling
    - Case studies: 1D v. 2D
  - Showcase presentations

- **Expand access to training**
  - Promote/subsidize training

- **Reduce fear & uncertainly**
  - Modeling verifications
  - Highlight successes

- **Expand support options**
  - Ongoing over 2017–2018
    - Technical assistance
    - Increase access to software
    - Technical support webinars
    - Web series on successful practices

- **Guidance & Practice**
  - Improve online user's manual
  - Prepare 2D modeling guidance

- **Interagency collaboration**
  - Identify other agency barriers
    - FEMA approaches
    - Habitat impact assessment
Safety Summary
January and February 2017

- Crash fatalities – 142 (down 8% from last year same time but 17% above the 5 year average)
- 1 work zone fatality – 3 in 2016
- Fatalities involving semis – 33% higher than 2016 (these type crashes represent 11% of all vehicle crash fatalities)
- Motorcycle fatalities – 11, 3 in 2016
- Pedestrian fatalities – 21% below 2016, but 9% above 5-year average
WOW Factoid

TRUCK REGISTRATIONS OUTNUMBER CARS FOR FOURTH STRAIGHT YEAR

TOTAL CARS

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<tr>
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</tbody>
</table>

Source: FHWA Highway Statistics, Table MV-1.
Illinois – Things I have learned:

- Illinois has 3 interstates that traverse the most states. What are those routes?

- There are 3 State capitals not served by the interstate highway system. What are they?

- What percent of roads in America are paved with asphalt?

- Before IAPA, what was the first name they went by in 1938?

- From 1941 to 1967 IAPA was known as what?
QUESTIONS???

Thank you!!