Section 630.1008 of Work Zone Safety and Mobility Rule

- Requires agencies to conduct a process review at least every 2 years to assess the effectiveness of work zone safety and mobility procedures

- Results should be used to:
  - Improve work zone processes and procedures, data/information resources, and training
  - Enhance efforts to address safety and mobility on current and future projects
Section 630.1008 of Work Zone Safety and Mobility Rule (cont.)

- **Process review:**
  - May include evaluation of WZ data at the State level, and/or review of randomly selected projects throughout jurisdictions.
  - Should be done using a multi-disciplinary team and in partnership with FHWA.

**Updated Rule is more comprehensive so…**

*Reviews need to be more comprehensive than before*
Process Review - What It’s Not

- **Not a compliance review for traffic control plans** – although it may consider/include the results of field/traffic control reviews
- **Not a training program** - although it may include a review of the agency’s WZ training program
- **Not the WZ Self Assessment** – although it should make use of the WZ SA results from recent years to avoid “plowing the same ground” again
- **Not a review of crash data** – although the agency should use available operational and safety data as part of its process review
Process Review - What It Is

- Program level evaluation of work zone operations and management
  - Policies
  - Practices and procedures
  - Outcomes – crash data, mobility impacts
- Helps assess effectiveness of a program or a set of practices and procedures
- Includes looking at individual projects as examples/case studies of how things are working
Process Review - What It Is

- Allows Agency and Division Office to:
  - Identify good practices and successes for broader application
  - Make recommendations to improve situations where a problem might exist
  - Adjust policies or practices to improve ease-of-use or performance
  - Identify areas for future training
Scope of Review

What should a review cover?

- State’s WZ policy and processes
  - Significant Project identification
  - Impact analysis & Lane closure policies
  - TMP development
- WZ data – both safety and operational
- Field implementation:
  - Traffic control
  - Queue/mobility management
  - Inspection frequency & documentation
- Training
Consider More In-depth Focus on One Area

- Enables deeper analysis

Examples:
- One area that is not working well
- Delays in project/program development – one component is a concern
- Increased complaints
- New process introduced into mix
- Policy revised since last review
Review Approaches Used

- Field review of projects combined with one or more of the following:
  - Review of WZSA results
  - Questionnaire of staff across project delivery
  - Interviews of staff across project delivery
  - Review of policies and procedures
  - Review of crash data

- In-depth interviews of personnel from several Districts
Review Approaches Used (cont.)

- Review of set of select topics at both project and program level:
  - Project - TMP documentation, RE TMP interviews, site manager data (safety and operational), project crash reviews
  - Program - Overall crash data, training

- Case study - Selected 2 projects and reviewed them across the full project development process *(note: a larger sample is recommended)*
Review Approaches Used (cont.)

- Correlation of strategies to results
  - Assessment of what TMP strategies were used on 21 projects
  - Assessment of crash data for the 21 projects
  - WZ traffic control QA inspections for 15 of these projects
  - Cross-comparison amongst the 3 sources to identify correlations
Sample set of questions in toolbox

- Overall Work Zone Policy Implementation
- Impacts Assessment
- Use of Work Zone Data
- WZ Training Process Review Questions
- Significant Projects
Sample set of questions in toolbox

- **TMPs**
- **Traffic Control Component of TMPs**
- **Transportation Operations Component of TMPs**
- **Public Information Component of TMPs**
Why Reviews are Important

- Provide a read on the state of work zones – in the State and Nationally
- Point to where improvements or adjustments are needed
- Highlight successes for broader implementation
- Means of oversight
  - For States
  - For FHWA
- Regulatory requirement