

Operations Division

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# SAFETEA-LU Section 1201 Real-Time System Management Information

## Introductory MPO Collaborative Meetings



# AGENDA

- **Introductions**
- **Objective of meeting**
  - **Discuss the FHWA Section 1201 Initiative**
- Break out the November 2014 requirements
- Break out the November 2016 requirements
  - **Review the Routes of Significance**
- Definition of “Route of Significance”
  - **Next Steps and understanding roles:**
- This is a shared partnership
- Establishing a POC in each office for:
  - Ongoing meetings
  - Understanding the infrastructure of your CAD system
  - Understanding your current policy structure/requirements
- **Establishing a MOU**
- **Follow-up meetings**
- **Open Discussion**



**SAFETEA-LU Section 1201  
Real-Time System Management  
Information  
23 CFR Part 511**

**511 Coalition**

**April 11, 2013**

**Bob Rupert, FHWA,  
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# Background - Legislation

## **SAFETEA-LU, Subtitle B, §1201**

- *Real-Time System Management Information Program*
- **Establish a real-time system management information program in all States**
- **Monitor traffic & travel conditions of the major highways**
- **Share information to address congestion problems and facilitate traveler information.**
  
- **Codified by Final Rule as Part 511 of Title 23 of United States Code of Federal Regulations**
  - 23 CFR Part 511

# Provisions of 23 CFR Part 511 (1 of 2)

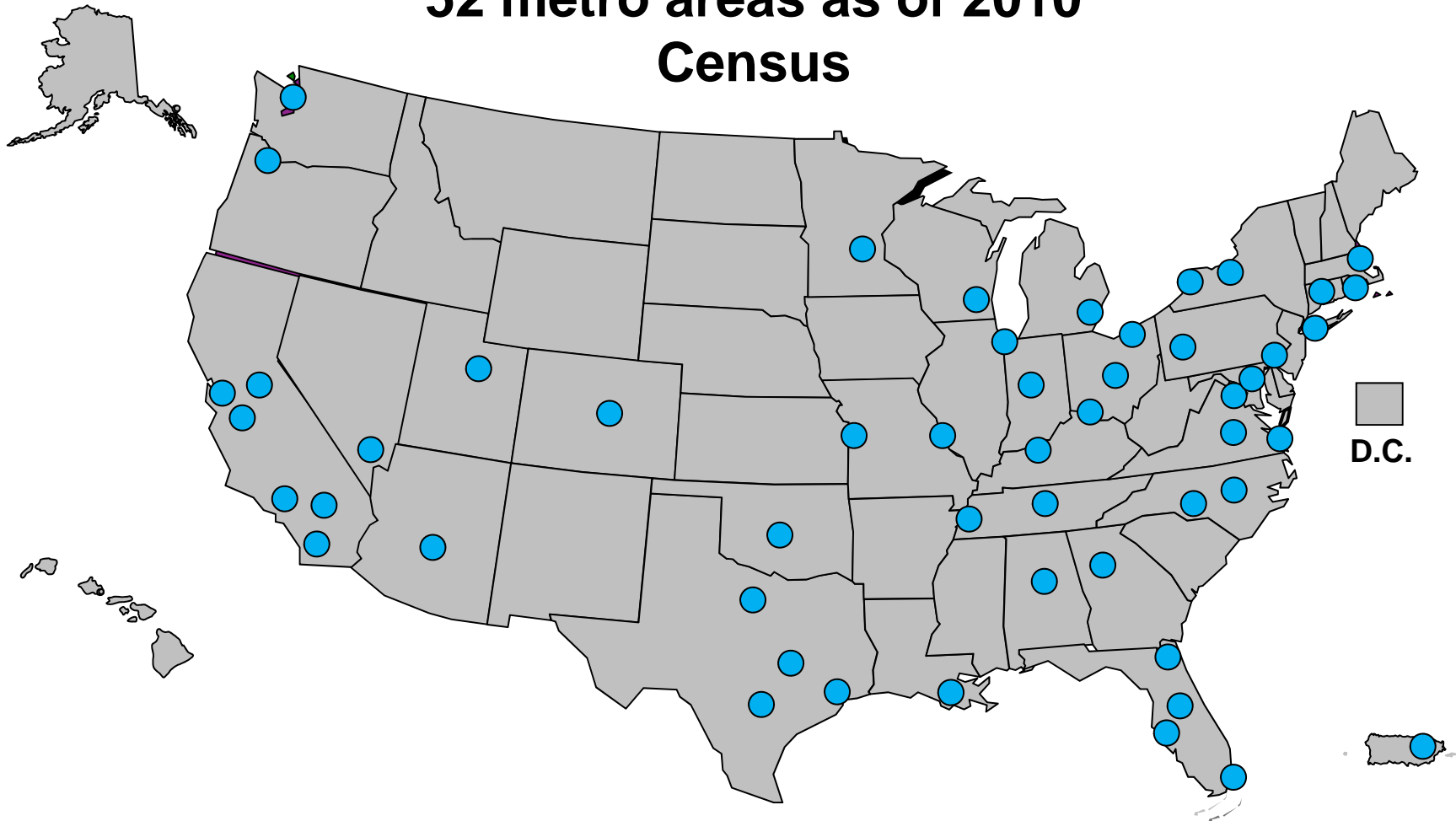
- **Two-stage implementation**
  - All Interstates within 4 years (November 2014)
  - Other metropolitan “Routes of Significance” as identified by States in collaboration with local agencies within 6 years (November 2016)
- **Information to be made available**
  - Construction lane and road closures
  - Road- or lane-blocking traffic incidents
  - Hazardous conditions & road or lane closures due to adverse weather
  - Travel times (in Metropolitan areas)
- **“Metropolitan” = greater than 1 million MSA**

# Provisions of 23 CFR Part 511 (2 of 2)

- **Regional ITS Architecture Update**
  - Regional architectures to be reviewed & updated as appropriate to ensure addressing RTSMIP provisions
- **Timeliness (age) of information**
  - Construction & Incident information within 20 minutes / within 10 minutes in Metro areas
  - Adverse weather conditions within 20 minutes
  - Travel times within 10 minutes
- **Quality measures**
  - Accuracy of 85%
  - Availability of 90%

# Metro Areas Over 1 million in population

52 metro areas as of 2010  
Census



# Clarifications/Expansion of Information

- **Not Required by the Regulations**
  - No requirement for dissemination to general public, or the use of specific technologies or specific applications
  - No method identified or discussed for measuring accuracy or other quality metrics
    - Flexibility to use methods appropriate to systems & processes used to acquire information & data
  - No specific (i.e., new) enforcement actions
    - Usual Federal oversight, stewardship actions



# Guidelines

- **Implementation**

- Clarifying requirements
- When time “starts” related to timeliness requirements
- Accuracy of information system, not individual data elements
- Metro area boundaries – Planning boundaries or other as requested by the State (with substantiating info, etc.)

- **Review**

- Processes: Simplistically, three –
- Information gathering
- Gauging quality of information
- Making information available

# Review - Purpose

- **Determine the present level of compliance with the intent of the Real-Time System Management Information Program (RTSMIP) regulation (23 CFR Part 511) as it applies to the State.**
- **Identify & document any areas of non-compliance, and appropriate remedial actions.**
- **Identify existing State policies & procedures that are effective in providing timely collection, quality assurance, and availability of RTSMIP information; and/or determine if revised or new policies and procedures are needed.**
- **Improve the day-to-day quality and performance of State's real-time transportation information systems.**

# Review

- **Regulations allow a lot of flexibility to accommodate the various methods States may use in establishing RTSMIP**
- **Review guidelines should be consistent for all FHWA Divisions & States**
- **Thorough but not more complicated than necessary**
- **Checklist?**
  - Determine scale & scope
  - Identify appropriate processes
- **Suggestions / recommendations?**

# Real-Time System Information Management Program

**Web site:**

**<http://www.ops.fhwa.dot.gov/1201>**

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# Routes of Significance

## Definition:

- **Limited access roads**
- **Tractor Trailer routes**
- **Evacuation routes**
- **Non-interstate**

# Routes of Significance

**Listed:**

# Next Steps and Understanding Roles

- **Understanding Roles:**
  - This is a shared partnership
  - Establishing a POC in each office for:
    - Ongoing meetings during the fall of 2013
    - Understanding the infrastructure of your CAD system
    - Understanding your current policies/requirements
- **Establishing a MOU**
- **Follow-up meetings**
- **Open Discussion**

**Thank you for your time**

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