

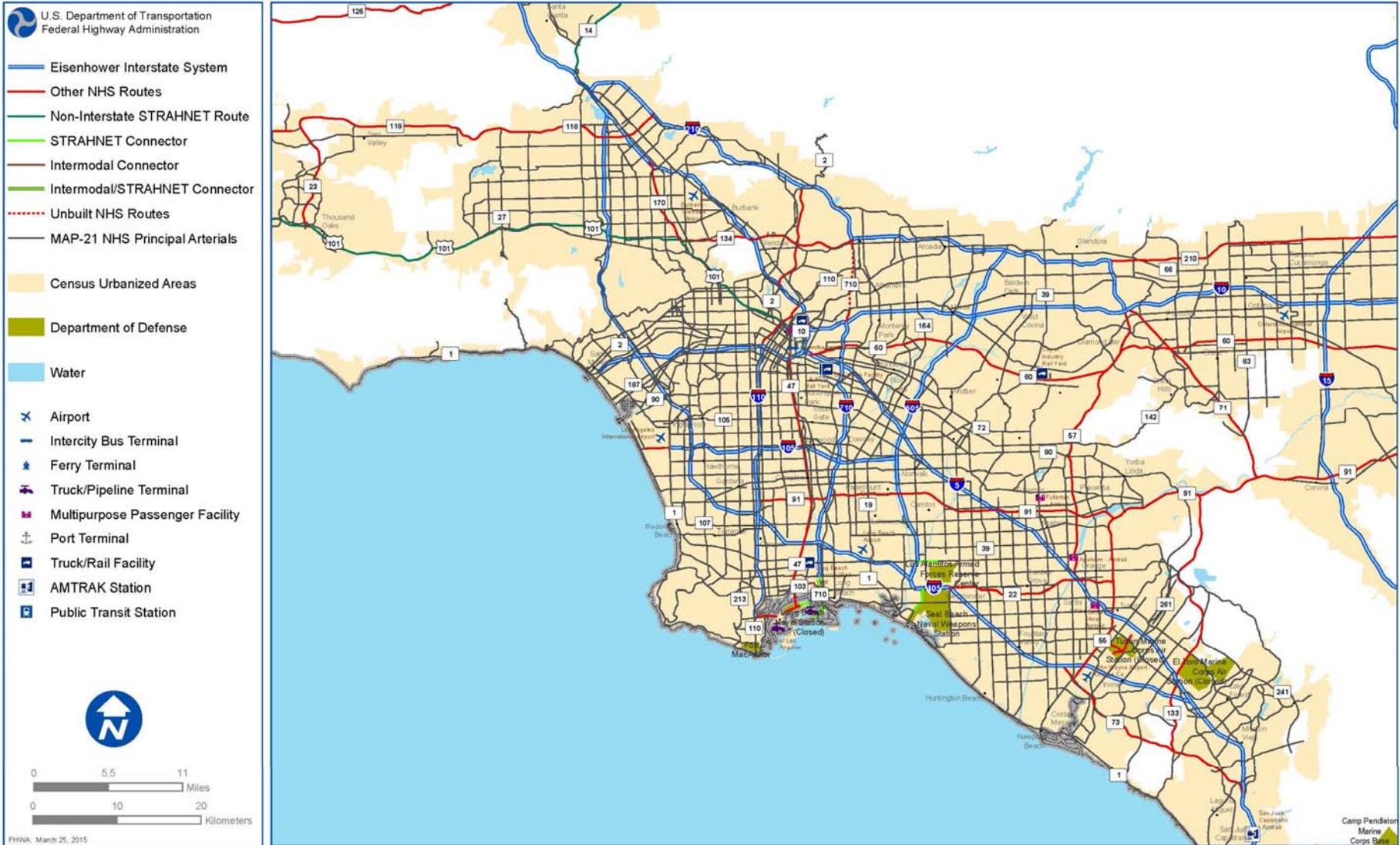
TSM&O Overview

- MAP-21 requires and Federal Highways Program encourages *demonstrable* transportation network *improvements* in safety, performance, reliability and environmental sustainability.
 - MAP-21
 - Goals and Performance Measures
 - Performance Based Management
 - Asset Management
 - Strategic Highway Research Program (SHRP2) Initiative
 - Integrated Corridor Management (ICM) Initiative

TSM&O Overview – WHAT

- Expanded NHS
 - Includes Principal Arterials, intermodal connectors
 - Pre MAP-21 CA: 7,155 miles
 - Post MAP-21 CA: 14,149 miles

National Highway System: Los Angeles--Long Beach--Anaheim, CA



TSM&O Overview - WHY

- Improve effectiveness of State and Local TSM&O activities
 - Key Program, process and organizational capabilities essential
 - Aimed at activities in State, regional and local transportation agencies

TSM&O Overview - HOW

- SHRP2 – First 5 Rounds
 - Organizing for Reliability Tools (L01/L06/L31/L34)
 - Lead Adopter; Caltrans
 - Economic Analysis Tools (C03/C11)
 - Lead Adopter; Caltrans
 - Advanced Travel Analysis Tools for Integrated Travel Demand Modeling (C10/C04/C05/C16)
 - Proof of Concept; MTC
- Round 6 Closed, announcement in August
- Round 7 likely

TSM&O Overview - HOW

- Capability Maturity Frameworks
 - Planned Special Events
 - Traffic Management
 - Traffic Incident Management
 - Work Zone Management
 - Road Weather Management
 - Traffic Signal Control

TSM&O Overview - HOW

- ICM Planning Grants
 - \$200,000
 - Concept of Operations, System Requirements, AMS, PMP
 - 33 applications
 - 13 Awarded
- Past Grants: I-15 ICM Demonstration
- Connected Vehicles Pilot Deployment Proposal

2015 ICM Grant Awardees



CA Contra Costa SR-4

CCTA, Caltrans D4, MTC, BART, TRANSPLAN, TRANSPAC, Tri-Delta Transit, CCCTA, WETA, and cities and counties of Antioch, Pittsburg, Oakley, Brentwood, Concord, Martinez, Hercules, and Contra Costa County

2015 ICM Grant Awardees

