Remarks by Secretary and FHWA Update

M. Myint Lwin
Secretary, AASHTO SCOBS
Director, Office of Bridge Technology
Federal Highway Administration
Remarks by the Secretary
Remarks by the Secretary

- AASHTO Bridge Element Inspection Manual” by T-18
- Bridge Aesthetics Sourcebook – Practical Ideas for Short and Medium Span Bridges” by T-9
- Other Ballot Items
FHWA Updates

- Examples of Successful Partnership
- Research, Deployment and Education
- FHWA New Initiatives
- Summary on ARRA
- Direction from Congress
- NTSB, GAO and OIG Activities
- Others
MnDOT and FHWA Instructors Conducting Bridge Inspection Training

Sharing Roles in Annual NBIS Reviews:
- FHWA leads reviews of MnDOT Districts
- MnDOT leads reviews of local Agencies
Learning from Neighbor

The Team:
- Jim Hoyle, FHWA
- Paul Washburn, MassDOT
- John Smith, Consultant
- Olu Adeyemi, FHWA
- Ray Surette, MassDOT
- Mike Arpino, FHWA

MassDOT Project:
- Brightman St. Bridge

MeDOT Project:
- Casco Bay Bridge
BridgeWatch in Georgia

Monitor safety conditions:
• Collect and Process Data
• Predict critical events
• Protect loss of lives and structures
FHWA Updates

- National Tunnel Inspection Program - Jesus Rohena
- National Bridge Inspection Program Oversight - Tom Everett
- Update on NCHRP 12-84 Gusset Plates – Joey Hartmann
- Update on the LTBPP – Hamid Ghasemi
- FHWA Research Update – Ian Friedland
- Chile Earthquake Report – Phil Yen
New FHWA Initiatives

“Every Day Counts”

- Shorten Project Delivery
- Accelerate Innovations
- Going Greener

Victor Mendez
Administrator

Greg Nadeau
Deputy Administrator
EDC Implementation Plan

Engagement:

- **FHWA Leadership**
  - Program Team Leaders
- **Our Entire Workforce**
  - Innovation Squads
  - EDC Implementation Teams
- **Our State DOT Partners**
  - Innovation Summits
The American Recovery and Reinvestment Act of 2009 (ARRA)

Enacted
February 17, 2009
# ARRA Summary

## Obligated Funds and Projects

<table>
<thead>
<tr>
<th></th>
<th>Funds</th>
<th>Projects</th>
</tr>
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<tbody>
<tr>
<td>ARRA Total</td>
<td>$26,429,097,000</td>
<td>12,597</td>
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## ARRA Summary

### Obligated Funds and Projects

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</table>

### Top Five Funded States

<table>
<thead>
<tr>
<th>State</th>
<th>Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>$2,545,264,000</td>
</tr>
<tr>
<td>Texas</td>
<td>$2,240,428,000</td>
</tr>
<tr>
<td>Florida</td>
<td>$1,348,151,000</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>$1,028,148,000</td>
</tr>
<tr>
<td>New York</td>
<td>$ 944,469,000</td>
</tr>
</tbody>
</table>

### Top Five No. of Projects

<table>
<thead>
<tr>
<th>State</th>
<th>No. of Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indiana</td>
<td>1,086</td>
</tr>
<tr>
<td>California</td>
<td>931</td>
</tr>
<tr>
<td>Illinois</td>
<td>770</td>
</tr>
<tr>
<td>Michigan</td>
<td>724</td>
</tr>
<tr>
<td>Florida</td>
<td>595</td>
</tr>
</tbody>
</table>
# ARRA Summary

## Bridge Projects

<table>
<thead>
<tr>
<th>Type of Project</th>
<th>ARRA Funds ($USD)</th>
<th>No. of Projects</th>
<th>% of Funds</th>
<th>% of Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Bridge Construction</td>
<td>598,816,000</td>
<td>65</td>
<td>2.3</td>
<td>0.5</td>
</tr>
<tr>
<td>Bridge Replacement</td>
<td>1,408,951,000</td>
<td>652</td>
<td>5.3</td>
<td>5.2</td>
</tr>
<tr>
<td>Bridge Improvement</td>
<td>1,176,389,000</td>
<td>557</td>
<td>4.4</td>
<td>4.5</td>
</tr>
</tbody>
</table>
Bridge Provisions in FY 2010
Senate Appropriations Committee
Conference Report

December 2009
Improving Bridge Safety – The conferees expect the FHWA to make more significant progress in improving its oversight of bridge conditions and safety over the course of fiscal year 2010. In order to ensure that the agency has the staff necessary to conduct more rigorous oversight of bridges, the conferees direct the FHWA to use $5,000,000 of the funds provided to hire additional personnel at the agency headquarters and in the division offices with the responsibility to oversee bridge safety.
## The FHWA Action Plan: Additional Personnel

<table>
<thead>
<tr>
<th>Personnel</th>
<th>Purpose</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Bridge Safety Engineers GS-13/14</td>
<td>Bridge Program Management and Oversight</td>
<td>Announcement Closes: External: April 15, 2010 Internal: May 27, 2010</td>
</tr>
<tr>
<td>3 Senior Bridge Engineers GS-14</td>
<td>Bridge Load Rating, Scour and Preservation Engineers</td>
<td>Announcement Closes: LR: May 24, 2010 SC: June 3, 2010 PR: June 1, 2010</td>
</tr>
<tr>
<td>Pool of Bridge Inspection Experts GS-13/14 Eq</td>
<td>Support of the FHWA Division Offices in providing Stewardship and Oversight of the National Bridge Inspection Program</td>
<td>Negotiating with the use of consultant services</td>
</tr>
</tbody>
</table>
# The FHWA Action Plan: Safety Improvements

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Enhance NBI Database and Guidance Documents</td>
<td>Initiated major and essential effort through current NBI developer.</td>
</tr>
<tr>
<td>2A</td>
<td>Special Bridge Inspection Initiative</td>
<td>Initiated development of process</td>
</tr>
<tr>
<td>2B</td>
<td>Preserving Bridge Safety-Critical Bridges</td>
<td>Work with Asset Management Office</td>
</tr>
<tr>
<td>3</td>
<td>Response to OIG Recommendations</td>
<td>Quite far along in this effort.</td>
</tr>
<tr>
<td>4</td>
<td>Scour Evaluation Guides</td>
<td>Initiated effort through the FHWA National Hydraulic Team</td>
</tr>
<tr>
<td>5</td>
<td>NHI Bridge Safety Course Development, Deployment and Update</td>
<td>Effort continuing</td>
</tr>
</tbody>
</table>
Distribution of $1B Additional OL

Distribution as of May 2010:
- Made available: $793,000,000 to 42 States
- Obligated: $616,000,000

Remaining available until 9/30/2010
Items of Significance

- Risk Management for Terrorist Threats to Bridges and Tunnels Workshop
  - 1 ½ - Day Instructor-Led Version
  - Self-Paced Study Version
- EPA’s Advanced Notice of Proposed Rulemaking on Coal Ash (Released on May 4, 2010)
  - Special Waste Category
  - Hazardous Waste Regulation vs Beneficial Reuse
NTSB, GAO and OIG Activities
Integration through Automation

- Optimize the use of advanced computer technology
- **Integrate** bridge life-cycle activities
- Develop Bridge Architecture/Blue Print for building the “Library of Bridges”

- **Regional Two-Day Workshops**
Challenges and Opportunities

- Livability and Sustainability
- Climate Change
- NBIS Compliance and Condition of Bridges
- Critical Inspection Findings
- Avoid Sudden Bridge Closures or Failures
- Element Level Data in NBI
- Performance Management
- Funding, Funding, Funding!
Let’s

Keep Our Highway Bridges in a “State of Good Repair” and

Keep the People Moving Safely, Reliably and Efficiently
President Dwight D. Eisenhower
1953 - 1961

Safe, Reliable, Efficient and Sustainable Highways