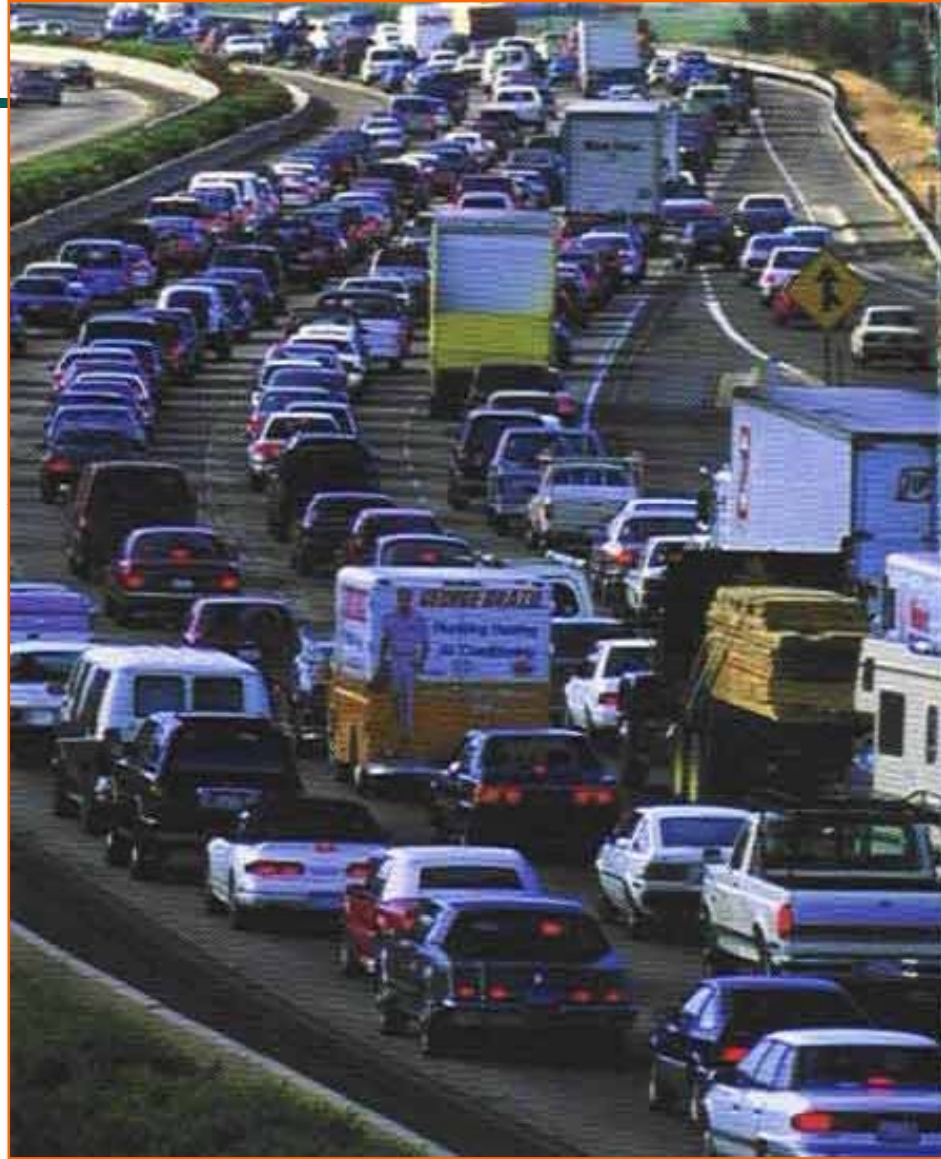


Work Zone Safety and Mobility: A Federal Perspective



Joe Toole

**Associate Administrator for Safety
Federal Highway Administration
March 10, 2009**





A Time of Change...

Change in the Price of Gas

Change in VMT

Change in Fatalities

Change in the Trust Fund Balance

Change in Economy

Change in Administration

President Barack Obama

“For everywhere we look, there is work to be done. The state of the economy calls for action, bold and swift, and we will act – not only to create new jobs, but to lay a new foundation for growth. **We will build the roads and bridges**, the electric grids and digital lines that feed our commerce and bind us together... **All this we can do. All this we will do.**”

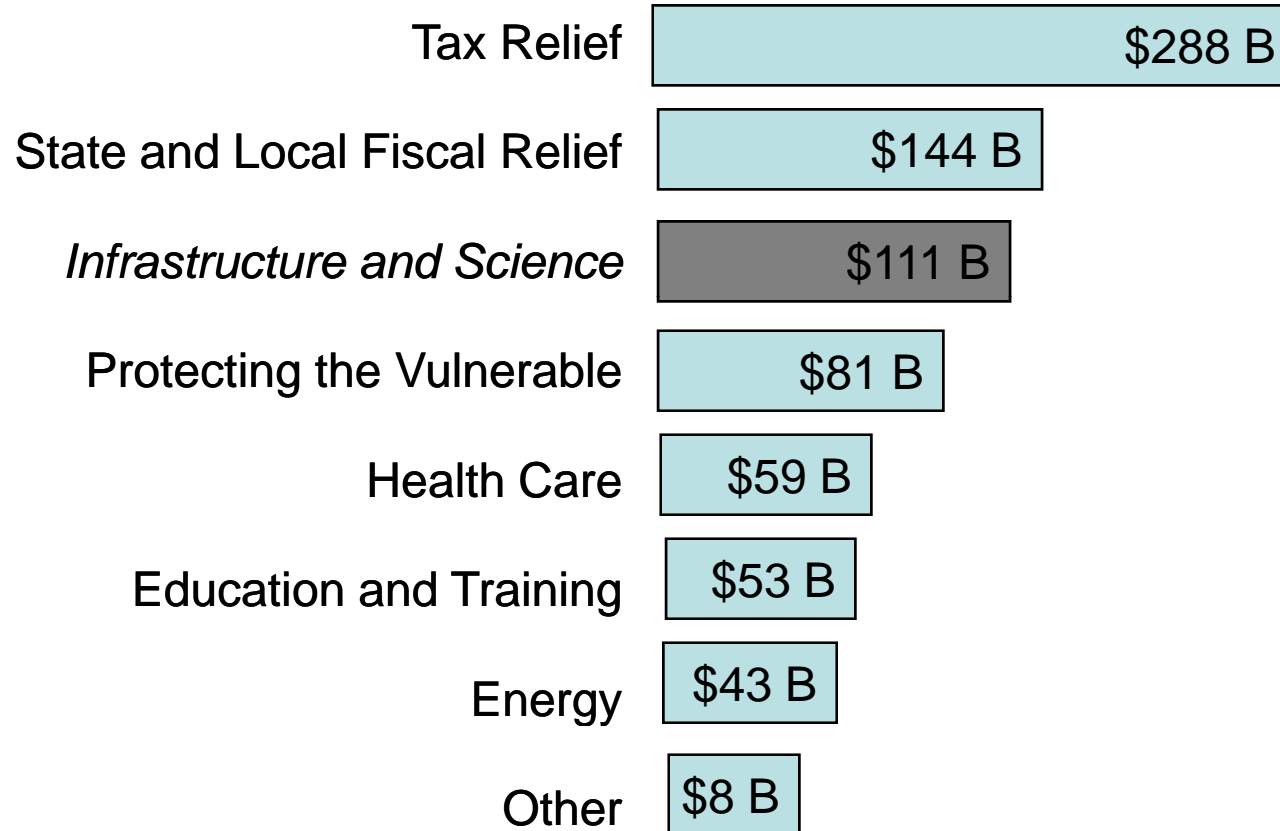
- President Barack Obama -Inaugural Address – Jan. 20, 2009

The American Recovery and Reinvestment Act of 2009 (ARRA)

American Recovery and Reinvestment Act

- Job preservation and creation
- **Infrastructure investment**
- Energy efficiency and science
- Assistance to unemployed, and
- State and local fiscal stabilization

ARRA - \$787 Billion



ARRA Highlights

- Signed into law on February 17, 2009
- Provides \$48.1 billion for transportation, including:
 - \$27.5 billion for **highways**
 - \$8.4 billion for transit
 - \$8.0 billion for high speed rail
 - \$1.3 billion for Amtrak
 - \$1.5 billion for National Surface Transportation Discretionary Grants
- Significant accountability, transparency requirements



President Barack Obama

The American Recovery and Reinvestment Act will enable our nation to rebuild, retool and revitalize the vast network of roads, tunnels, bridges, rail systems, airports and waterways that we have long depended on to keep the economy moving and growing... *Above all, we must keep these assets safe for all travelers. Where public safety is concerned, there is no room for compromise.*

By investing in roads... we can save...men and women who lose their lives each year due to bad roads and driving conditions.

March 2, 2009 – Washington DC

ARRA Project Eligibility

- **Federal share up to 100%; no match requirement**
- **Generally, normal Federal-aid processes apply**
- **Framed after the Surface Transportation Program (STP)**
- **Broad eligibility on all public roads for safety projects**
- **“Use or Lose” – 50% of State Funds obligated within 120 days; all within one year**



Opportunities for Safety Improvements

1. Building Safety into all ARRA projects
2. Work zone Safety
3. Low-cost, system-wide improvements
4. Priority to projects that generate significant improvements in Safety

Safety Projects

Types of safety projects that would be eligible for ARRA funds:

- **Sign and guardrail replacement**
- **Projects on local roads and minor rural collectors**
- **Projects on High Risk Rural Roads**
- **Projects eligible for HSIP funding**
- **Data Collection and Analysis**



Nine Safety Countermeasures

1. Road Safety Audits
2. Rumble Strips and Rumble Stripes
3. Median Barriers
4. Safety Edge
5. Roundabouts
6. Left and Right Turn Lanes at Stop-Controlled Intersections
7. Yellow Change Intervals
8. Medians and Pedestrian Refuge Areas in Urban and Suburban Areas
9. Walkways



For More Information about ARRA

- www.recovery.gov
- www.fhwa.dot.gov/economicrecovery
- www.safety.fhwa.dot.gov
- www.atssa.com

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

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About ATSSA
WorkZone Safety Grant
Roadway Safety Outreach
Retroreflectivity
Government Relations
Federal Government Relations

The Bill on the Hill

- > ATSSA's 2009 Re document, "Tow
- > Executive Summ
- > ATSSA Correspo Government Officials

U.S. Department of Transportation
Federal Highway Administration

American Recovery and Reinvestment Act of 2009

President Obama has signed the [American Recovery and Reinvestment Act of 2009 \(ARRA\)](#) that provides significant new funding for transportation infrastructure.

The Federal Highway Administration stands ready to implement the ARRA and is taking steps to ensure effective coordination and support among federal agencies as well as preparing our partners and stakeholders to implement the recovery legislation as expeditiously as possible. To assist all state and local agencies in this preparation we have established this economic recovery web page which includes a series of key [questions and answers \(Q&As\)](#). These Q&As will continue to be updated as more information becomes available and this web page will provide all stakeholders with the latest information.

We have also developed and posted a list of actions that can be taken to [expedite the economic recovery delivery](#). We encourage all potential recipients of highway-related economic recovery funding to review and move forward on those items that are applicable.

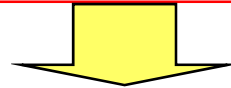
If you have any questions with regard to these materials please contact Gloria Shepherd, Associate Administrator for Planning, Environment, and Realty at gloria.shepherd@dot.gov.

Jeffrey F. Paniati
Executive Director, Federal Highway Administration

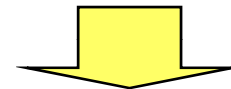
- [Summary of ARRA Provisions for FHWA](#)
- [Estimated Apportionment Tables](#)
- [Questions & Answers on Economic Recovery Issues Raised by State DOTs](#)
- [Actions That Can Be Taken To Expedite Economic Recovery Delivery](#)
- [Opportunities and Additional Resources](#)
- [Work Zone Considerations](#)

**What does this
mean for
Work Zone
Safety?**

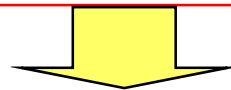
More Highway Dollars



More Highway Construction



**More Active Highway Work
Zones**



**More Need for Emphasis
on Work Zone Planning and
Safety**

Mitigating Work Zone Impacts

- **How can we mitigate those impacts?**
 - Analyze the impacts of upcoming projects
 - Coordinate projects
 - Develop effective Transportation Management Plans (TMPs)
 - Expedite project completion

Expedite Project Completion

- **Full Road Closures**
http://ops.fhwa.dot.gov/wz/construction/full_rd_closures.htm
- **Night Work**
http://ops.fhwa.dot.gov/wz/construction/night_offpeak_wrk.htm
- **Alternative Contracting Strategies**
<http://ops.fhwa.dot.gov/wz/contracting/>
- **Accelerated Construction Techniques**
<http://ops.fhwa.dot.gov/wz/construction/accelerated/index.htm>

Management Strategies

- **Use work zone management strategies fitting for the project:**
 - Public information about the work zone and traffic conditions
 - ITS (temporary or permanent)
 - Law enforcement
 - Traffic incident management

Traffic Management Strategies

- **Traffic Management Strategies**
http://www.ops.fhwa.dot.gov/wz/traffic_analysis/wztm.htm
- **Transportation Management Plans**
http://www.ops.fhwa.dot.gov/wz/resources/final_rule/tmp_examples.htm
- **Intelligent Transportation Systems (ITS)**
<http://www.ops.fhwa.dot.gov/wz/its/index.htm>
- **Public Information and Outreach**
<http://www.ops.fhwa.dot.gov/wz/publicinfostrategies.htm>
- **Traffic incident management**
http://www.ops.fhwa.dot.gov/wz/traffic_analysis/wztm.htm#toc2

Worker Visibility Rule

- SAFTEA-LU Section 1402 – Worker Injury Prevention and Free Flow of Vehicular Traffic
- Effective Date – November 24, 2008
- “All workers within the right-of- way of a Federal-aid highway who are exposed either to traffic (vehicles using the highway for purposes of travel) or to construction equipment within the work area shall wear high visibility safety apparel.”

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Worker Visibility Rule

- “High-visibility safety apparel” means personal protective safety clothing that is intended to provide conspicuity during both daytime and nighttime usage, and that meets the Performance class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled, “American National Standard for High-Visibility Safety Apparel and Headwear”

WZ Safety & Mobility Rule -Subpart J

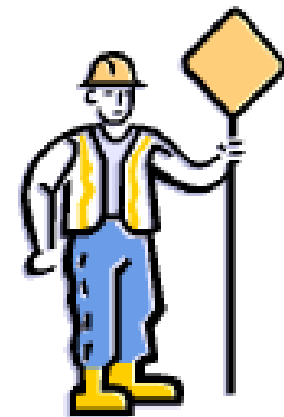
- Final Rule published September 9, 2004 in the Federal Register- compliance required by October 12, 2007
 - Develop & Implement a WZ Policy
 - Develop & Implement Agency Procedures
 - Develop & Implement Project Procedures

Subpart K

- Final Rule published December 5, 2007
- Compliance required by December 4, 2008
- Supplements WZ Safety & Mobility Rule (Subpart J) to add emphasis on specific safety considerations including:
 - Use of positive protective measures
 - Use of uniformed law enforcement
 - Installation & maintenance of TTCD
 - Use of separate pay items for safety measures

WZ Training – WZ Safety Grants Program

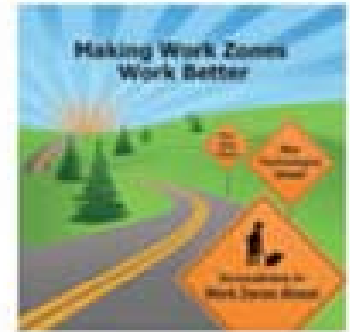
- **Established by SAFETEA-LU Section 1409 - \$5M/yr (2006-09) for WZ safety training and guideline development**
- **Example topics include:**
 - WZ traffic control (including for law enforcement)
 - Positive protection
 - High visibility apparel
 - Pedestrians in WZs
 - Impact assessment and mitigation
 - WZ strategies
 - WZ safety audits
 - Utility work zones
 - Worker safety and protection



Information Sharing

- FHWA WZ Website-- includes Best Practices Guidebook and Fact Sheets
<http://www.fhwa.dot.gov/workzones>
- WZ Peer-to-Peer Program
866-P2P-FHWA (866-727-3492)
WorkZoneP2P@dot.gov
- National WZ Safety Clearinghouse
www.workzonesafety.org

Work Zone Safety and Mobility Peer-to-Peer Program




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