



Source: Massachusetts DOT



U.S. Department of Transportation  
**Federal Highway Administration**

# Work Zone Safety Contingency Funds

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# Disclaimer

This presentation was created and is being presented by the Federal Highway Administration (FHWA). The views and opinions expressed in this presentation are the presenters' and do not necessarily reflect those of the FHWA or USDOT. The contents do not necessarily reflect the official policy of the Department of Transportation.

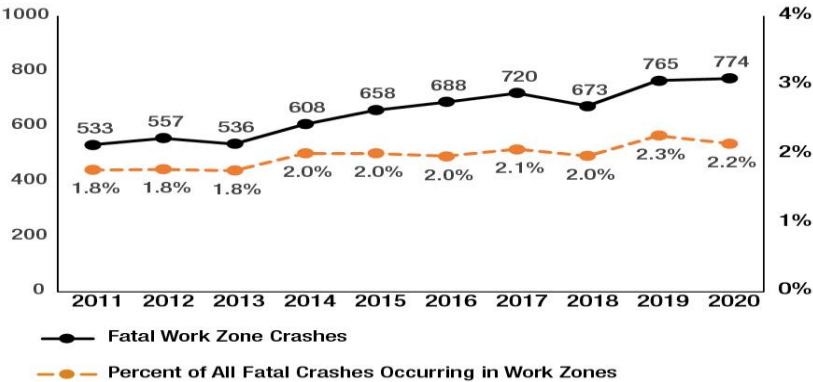
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# Work Zone Safety Trends

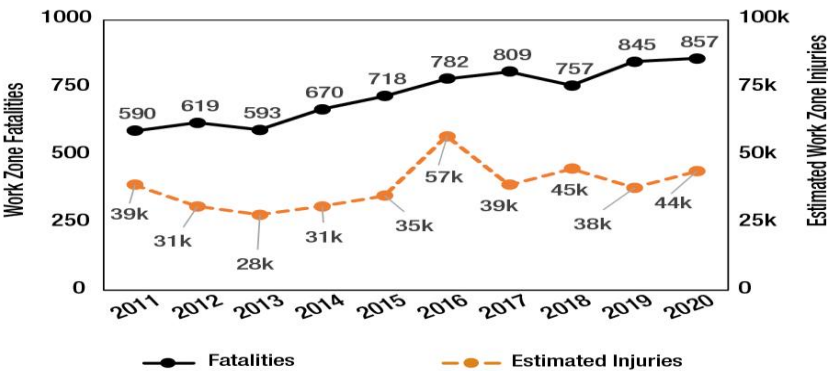


Source: USDOT/Getty

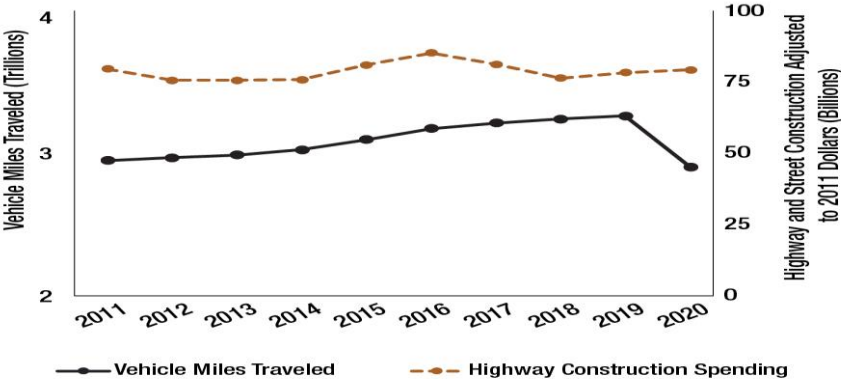
Work Zone Fatal Crashes and Percent of Fatal Crashes Occurring in Work Zones, 2011-2020



Fatalities and Estimated Injuries Occuring in Work Zones, 2011-2020



Annual Vehicle Miles Traveled and Normalized Highway Street Construction Expenditures, 2011-2020



# National Roadway Safety Strategy



Source: USDOT/Getty

- Comprehensive initiative based on the Safe Systems Approach
- Work zone safety is a new activity area specifically identified within the Safer Roads element of the strategy:

*“Advance strategies and practices for safe and reliable travel through work zones for all road users, including highway workers, through training and knowledge transfer to State and local agencies. This action includes leveraging funding opportunities outlined in BIL [Bipartisan Infrastructure Law], such as work zone safety grants, and continuing technology efforts such as the Work Zone Data Exchange (WZDx)”*

(2023 Progress Report on the National Roadway Safety Strategy, February 2023)



Source: USDOT

# Work Zone Safety Contingency Funds (SCF)

- **Contingency funds set aside to address unexpected work zone related traffic safety concerns identified during the project**
  - Address unforeseen safety conditions not identified during project development stage
  - Avoid expensive and time-intensive change orders
  - Address safety concerns quickly and efficiently

# Work Zone Safety Contingency Funds

- **State-of-the-practice**
  - Texas DOT (institutionalized program)
  - Michigan DOT (pilot program)
- **Examples of safety improvements**
  - Changes in temporary traffic control plans
  - Smart work zones (e.g., queue warning systems)
  - Additional law enforcement or traffic safety devices (e.g., speed trailers)
  - Movable/mobile barrier solutions
  - Nighttime lighting



# Work Zone Safety Contingency Funds

- **Infrastructure Investment and Jobs Act (Public Law 117-58, Section 11107)**
  - Increased Federal Share (23 US Code §120)
  - Added language to the list of examples for project, program, or activities allowed under Innovative Project Delivery
    - contractual provisions that provide safety contingency funds to incorporate safety enhancements to work zones prior to or during roadway construction activities
  - SCF can be included on projects funded under the following programs
    - National Highway Performance Program
    - Surface Transportation Block Grant Program
    - Metropolitan Planning Program
  - Limitations
    - State may use the authority for up to 10% of the combined apportionments of the State
    - Federal share payable may be increased by up to 5% of the total project cost



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# Questions?

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# Accelerating Innovation for Innovative Project Delivery

Work Zone Safety Peer Exchange

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# FHWA “Core Four” Innovation Programs



# FHWA Innovation Programs

...all work together



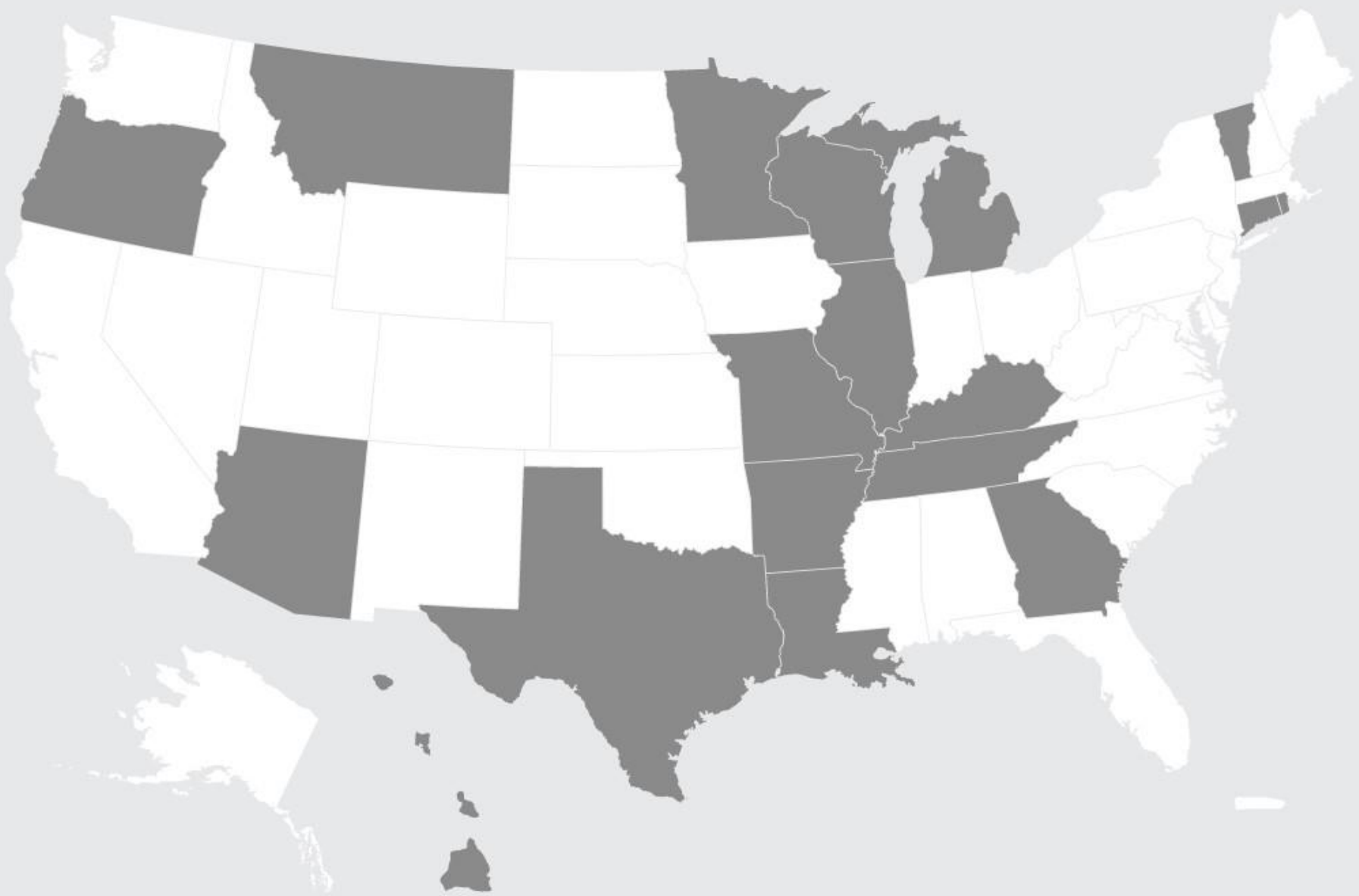
# Increased Federal Share for Innovative Project Delivery

## 23 USC 120(c)(3)

- Option of an increased Federal share of up to 5%
- For projects using innovative project delivery methods funded with
  - NHPP - National Highway Performance Program,
  - STBG - Surface Transportation Block Grant Program, or
  - PL – Metropolitan Planning
- For **new application** to the State or local agency or innovations that have **only rarely been used**



# Increased Federal Share for Innovative Project Delivery





# Additional 5% Increased Federal Share



## OVERVIEW OF INNOVATION

An increase in Federal Reimbursement of National Highway Performance Program, Surface Transportation Block Grant Program and Unified Planning Work Program PL funded projects from 80% to 85% is an exciting opportunity for MoDOT. This opportunity also allows for MoDOT to incorporate innovative delivery methods, construction materials, and techniques that will not only reduce future maintenance costs, but also delay future replacement frequencies. This innovation utilizes all innovative methods, materials and techniques in order to capture significant financial savings.



Source: Missouri Department of Transportation

## BENEFITS

This innovative program directly saved the State of Missouri \$16.8M in fiscal year 2021 through the Increased Federal Share on \$340M worth of work. Of the \$340M worth of projects, this program drove innovative methods that otherwise may not have happened. While this program has directly saved \$16.8 million, the amount saved indirectly is immeasurable.

## FIND OUT MORE . . .

Missouri Department of Transportation  
Innovations Showcase

[5% Increased Federal Share | Missouri Department of Transportation \(modot.org\)](#)

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Sustainability, Operations, Planning,  
Funding/Finance



# Thank You!!

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