



# SHRP2 Program Overview FIU Webinar Series

September 20, 2018



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U.S. Department of Transportation  
Federal Highway Administration

AMERICAN ASSOCIATION  
OF STATE HIGHWAY AND  
TRANSPORTATION OFFICIALS

**AASHTO**

# Focus Areas



**Safety:** fostering safer driving through analysis of driver, roadway, and vehicle factors in crashes, near crashes, and ordinary driving



**Reliability:** reducing congestion and creating more predictable travel times through better operations

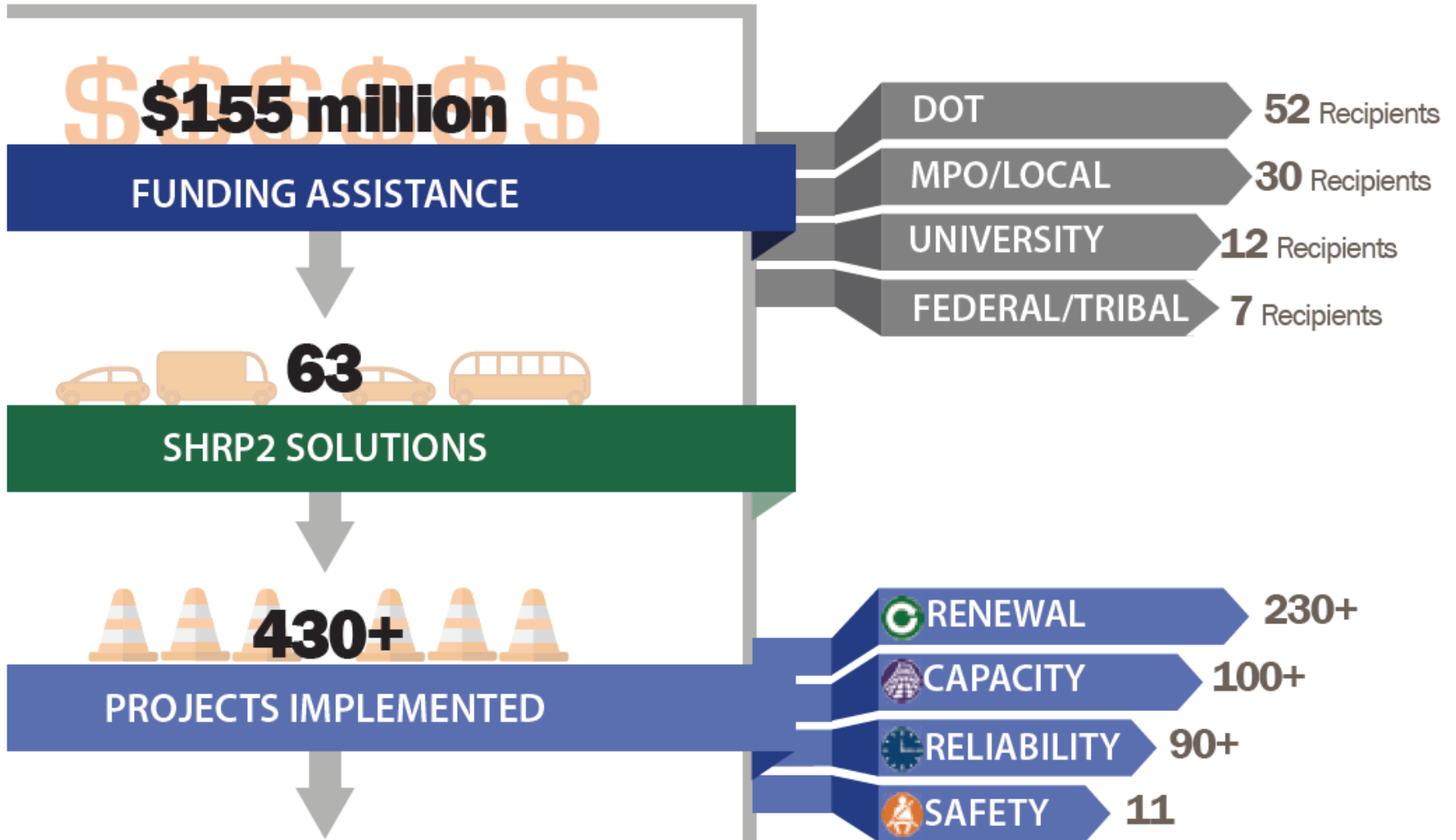


**Capacity:** planning and designing a highway system that offers minimum disruption and meets the environmental and economic needs of the community



**Renewal:** rapid maintenance and repair of the deteriorating infrastructure using already-available resources, innovations, and technologies

# SHRP2 Implementation: INNOVATE – IMPLEMENT - IMPROVE



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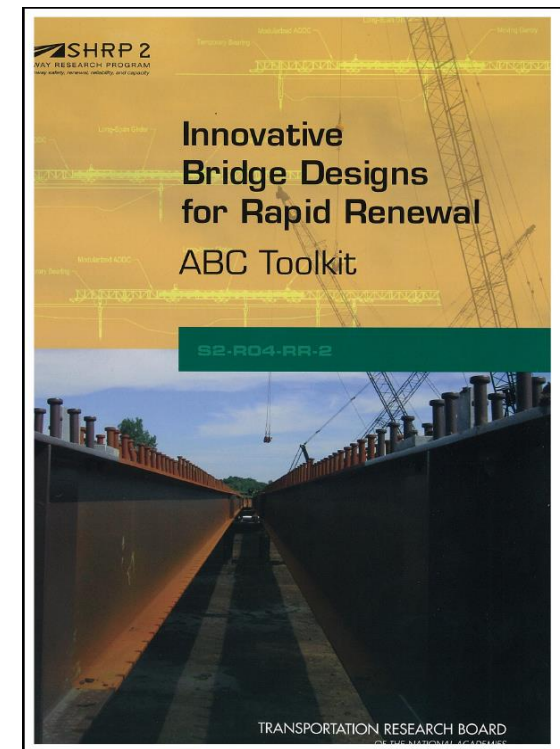
## RESULTS

### Save lives, money, and time

- Bridges being built more quickly
- Smoother traffic flows and less congestion
- Reduced construction costs
- Safer roadways
- Smarter environmental reviews

# What is SHRP2 R04?

- Provides state and local DOTs with a design toolkit for prefabricated bridge projects.
- Standardized approaches streamline the activities required to get bridge replacement systems designed, fabricated, and erected in less time, and **installed in hours or weeks, rather than months.**
- Standard design plans for foundation systems, substructure and superstructure systems, subsystems, and components that can be installed quickly with minimal traffic disruptions.



# SHRP2 R04 Toolkit Training Activity

- A one day training class introduces frontline DOT employees to ABC in general and the SHRP2 R04 Toolkit in particular.
- Offered to the State DOT's, contractors, fabricators and academics.
- 16 states received the first round of training.
- Second round of 19 trainings in progress.

# R04 Implementation Projects

- Through the Implementation Assistance Program, 8 states received funding and technical assistance to use the R04 product.
- SHRP2 Implementation Assistance Projects included:
  - Arizona: Gila River Indian Reservation
  - California: Fort Goff Creek
  - Kentucky: Stewarts Creek
  - Maine: Kittery Overpass
  - Missouri: Boone County
  - Rhode Island: Warren Avenue
  - Wisconsin: I-39/94
  - Michigan: Seney Wildlife Refuge



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<http://shrp2.transportation.org/Pages/Bridge-Designs-for-Rapid-Renewal.aspx>

