



SHRP2 Program Overview

May 17, 2018

Pamela Hutton, P.E.
SHRP2 Implementation Program Manager
AASHTO



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

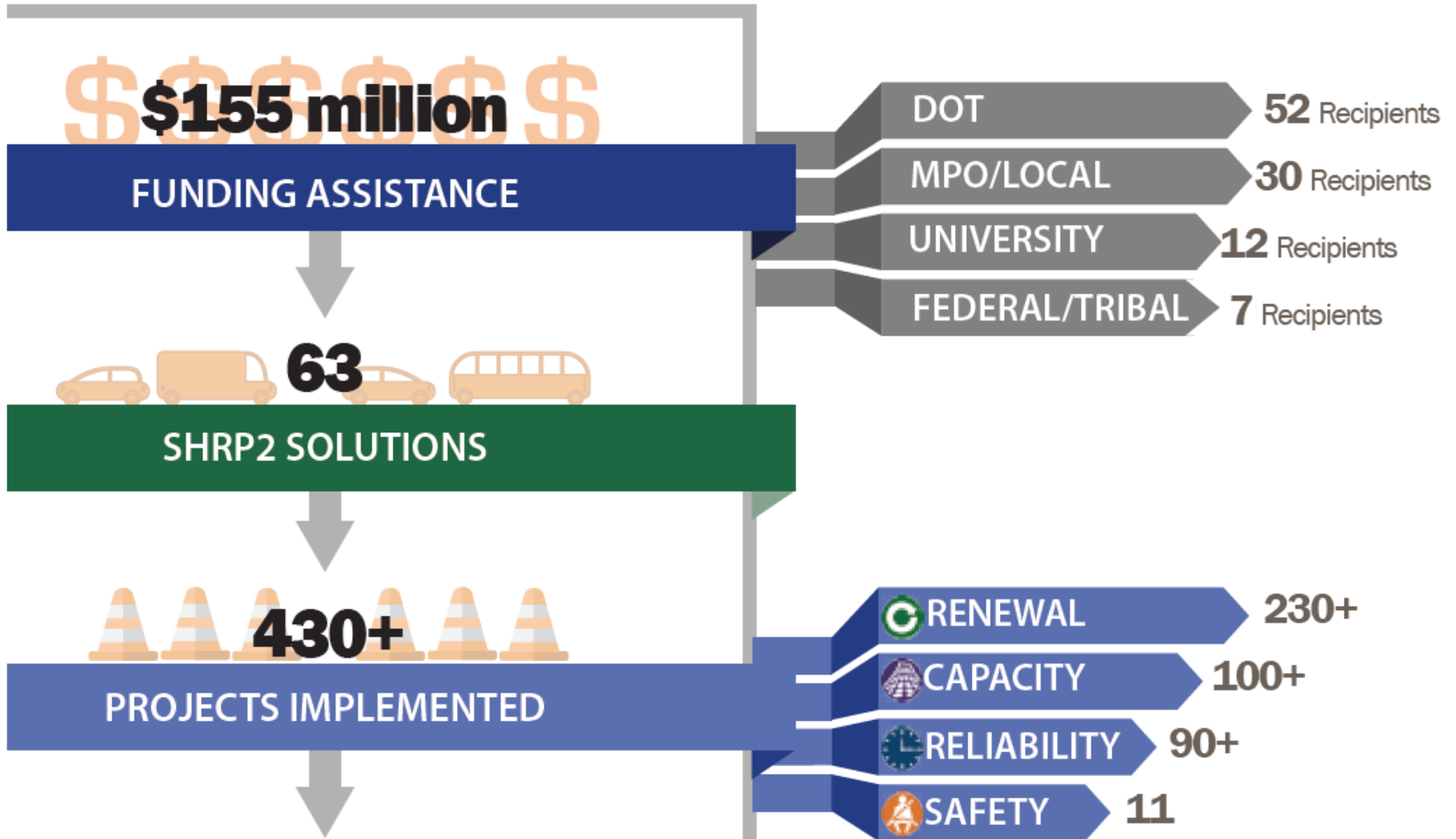


Capacity: planning and designing a highway system that offers minimum disruption and meets the environmental and economic needs of the community



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

SHRP2 Implementation: INNOVATE – IMPLEMENT - IMPROVE



SHRP2 Implementation: INNOVATE – IMPLEMENT - IMPROVE



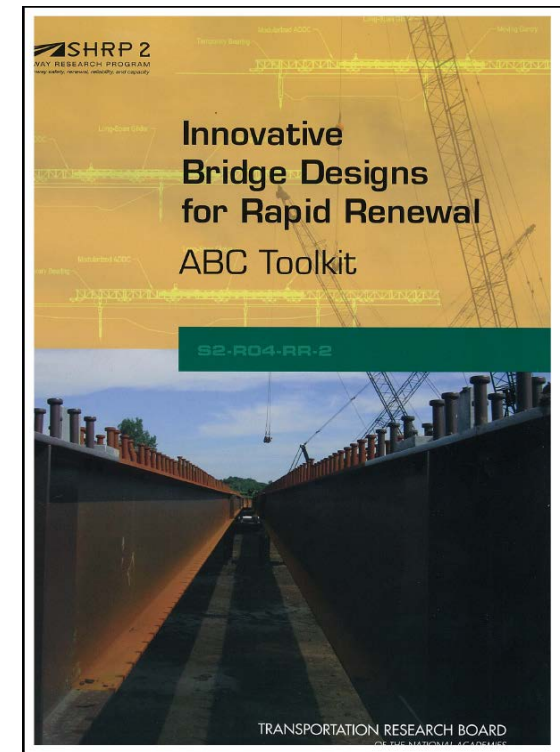
RESULTS

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

Questions?

Jamal Elkaissi, FHWA

Jamal.Elkaissi@dot.gov

Patricia Bush, AASHTO

pbush@aaashto.org

Pam Hutton, AASHTO

phutton@aaashto.org

Finn Hubbard, SME

fhubbard@fickettinc.com

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

