



## SHRP2 Product Implementation Plan 2012 – 2015

A strategic plan has been the guiding framework for implementing the products developed through the second Strategic Highway Research Program (SHRP2). The plan was originally developed in 2012, in collaboration with the Federal Highway Administration (FHWA), the American Association of State Highway and Transportation Officials (AASHTO), and the Transportation Research Board (TRB), and ratified by the SHRP2 Implementation Advisory Committee. This plan was recently updated to reflect additional funds allocated to the program through Federal legislation and state contributions.

The following table summarizes the SHRP2 product implementation activities planned through 2015. The “start” dates represent the year when implementation planning begins on a product; implementation activities include implementation planning workshops, capacity building workshops, knowledge transfer webinars, the Implementation Assistance Program, and other work.

Plan Year	No.	Product	Approved Implementation Plan Funding*
<b>2012 Starts</b>			
2012	C06	Implementing Eco-Logical	\$3,600,000
	L12	National Traffic Incident Management Responder Training L12 - National Traffic Incident Management Responder Training L32B,C -TIM eLearning and Assessment Tool	\$8,000,000
	L01/L06	Tools to Organize for Reliability L01 - Business Processes for Reliability L06 - Organizing for Operations Management L31 - CEO Outreach on Operations and Reliability L34 - eTool for Business Processes to Improve Travel-Time Reliability	\$6,600,000
	L17	Enhanced Knowledge Transfer System L17 - Framework for Improving Travel-Time Reliability L13A - System for Archiving SHRP2 Reliability Data L36 - Regional Operations Academy	\$3,500,000
	R04	Innovative Bridge Designs for Rapid Renewal	\$4,200,000
	R09/R10	Project Management Tools R09 - Managing Risk in Rapid Renewal Projects R10 - Innovative Strategies for Managing Complex Projects	\$2,800,000
	R26	Preservation on High-Volume Roadways	\$3,100,000
Plan Year	No.	Product	Approved Implementation Plan Funding*
<b>2013 Starts</b>			
2013	C01	Collaborative Decision Making	\$4,000,000
	C19	Expedited Project Delivery	\$2,500,000
	R07	Performance Specifications for Rapid Renewal	\$1,000,000
	R16	Railroad-DOT Mitigation Agreements	\$1,500,000
	R05	Precast Concrete Pavement	\$1,000,000
	R15B	Identifying and Managing Utility Conflicts	\$3,000,000
	R23	Pavement Renewal Solutions	\$1,600,000
	R06A	Nondestructive Testing Technologies for Concrete Bridge Decks	\$2,500,000
	R06G	Mapping Defects In or Behind Tunnel Linings	\$250,000
R03	Worker Fatigue Risk Management Guide	\$250,000	

Plan Year	No.	Product	Approved Implementation Plan Funding*
<b>2014 Starts</b>			
2014	Safety	Concept-to-Countermeasure Implementation Strategy	\$5,800,000
	R06E	Tools to Detect Pavement Surface Irregularities During Construction	\$500,000
	R19A	Designing and Preserving Bridges to Achieve a 100-year Service Life	\$2,400,000
	C20	Freight Modeling and Data Improvement	\$3,200,000
	R01A	Technologies to Store, Retrieve, and Use 3D Utility Location Data	\$3,000,000
	R02	GeoTech Tools	\$1,500,000
	R06C	Rapid Technologies to Enhance Quality Control on Asphalt Pavements	\$2,000,000
	L02 L05 L07 L08	Reliability Data and Analysis Tools L02 - Guide to Establish Monitoring Programs for Travel-Time Reliability L05 - Handbook for Incorporating Reliability Performance Measures into Transportation Planning and Programming L07 - Reliability by Design L08 - Incorporating Travel-Time Reliability into the Highway Capacity Manual	\$5,500,000
	C03 C11	T-PICS Economic Impact Case Studies Economic Analysis Tools	\$2,000,000
	C10	Integrated Travel Demand Modeling	\$4,100,000
	C15	Guide to Better Integrating Freight Transport into Highway Capacity Planning and Decisions	\$1,600,000
	L04	Guidelines for Incorporating Reliability Performance Measures into Travel Models	\$500,000
	L14	Communicating Traveler Information and Estimating its Value to Travelers	\$250,000
	R21	Composite Pavement Systems	\$1,000,000
<b>2015 Starts</b>			
2015	R01	Encouraging Innovation in Locating Utilities	\$500,000
	R01B	Utility Locating Technologies	\$2,000,000
	R06B	Techniques to Fingerprint Construction Materials	\$1,500,000
	R06D	Advanced Methods to Identify Pavement Delineation	\$2,000,000
	R11	WISE: Work Zone Impact Estimation Software	\$1,500,000
	R19B	100 Year Bridges: Service Limit State Design	\$500,000
	C04	Improving Our Understanding of How Highway Congestion and Pricing Affect Travel Demand	\$50,000
	C05	Guide to Understanding the Contribution of Operations, Technology, and Design to Meeting Highway Capacity needs	\$50,000
	C08	Transportation Visioning in Communities (T-VIZ)	\$1,000,000
	C09	Incorporating Greenhouse Gas Emissions in the Collaborative Decision-Making Process	\$50,000
	C12	Report Considering Public-Private Partnerships in the Planning Process	\$50,000
	C16	The Effect of Smart Growth Policies on Travel Demand (SmartGAP)	\$50,000
	C22	Communicating the Value of TCAPP	\$50,000
	C46	Resources for Using State-of-the-Art Travel Demand Models	\$50,000

\* Funding for product implementation activities, including the Implementation Assistance Program. Figures are rounded, and do not include product development costs. [www.fhwa.dot.gov/goSHRP2](http://www.fhwa.dot.gov/goSHRP2) December 2013