

SHRP2 Education Connection Eligible Products

The following are the SHRP2 products that are currently eligible for Round 2 of the SHRP2 Education Connection cooperative agreement. The products are found in three of the four SHRP2 focus areas: Renewal, Reliability, and Capacity. Some products complement each other and, together, produce a better product. They are listed below as a group, or “bundle,” with the individual component products listed immediately beneath the bundle name.



Products to help transportation organizations rapidly build and restore highway infrastructure that lasts longer while minimizing user disruption and delay.

Product Code	Product Title
R01A/R01B/ R15B	Techniques and Resources for Better Managing Utility Conflicts in Transportation Projects (Utility Bundle)
R02	GeoTechTools
R04	Innovative Bridge Designs for Rapid Renewal
R05	Precast Concrete Pavement
R06A	Nondestructive Testing for Concrete Bridge Decks
R06B	Techniques to Fingerprint Construction Materials
R06C	Technologies to Enhance Quality Control on Asphalt Pavements – Infrared (IR) Imaging Only
R06D	Advanced Methods to Identify Pavement Delamination
R06E	Tools to Improve PCC Pavement Smoothness During Construction
R06G	Nondestructive Testing for Tunnel Linings
R07	Performance Specifications for Rapid Renewal
R09	Managing Risk in Rapid Renewal Projects
R10	Project Management Strategies for Complex Projects
R15B	Identifying and Managing Utility Conflicts
R16	Railroad-DOT Mitigation Strategies
R19A	Service Life Design for Bridges
R19B	Service Limit State Design for Bridges
R21	New Composite Pavement Systems
R23	Pavement Renewal Solutions
R26	Guidelines for the Preservation of High-Traffic-Volume Roadways



Products to help transportation organizations improve travel-time reliability by reducing congestion through incident reduction, management, response, and mitigation.

Product Code	Product Title
L01/L06/L31	Product Bundle - Organizing for Reliability Tools¹
L01	Guide to Integrating Business Processes to Improve Travel-Time Reliability
L06	Guide to Organizing Transportation Agencies to Advance Systems Operations and Management
L31	CEO Outreach on Operations and Reliability
L02/L05/L07/L08/C11	Product Bundle – 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
C11	Tools for Assessing Wider Economic Benefits of Transportation
L17	Framework for Improving Travel-Time Reliability
L36	Regional Operations Academy
L12/L32A/32B	Product Bundle - National Traffic Incident Management Responder Training
L12	National Traffic Incident Management Responder Training Program
L32A	Train the Trainer Course
L32B	E-learning for Training Traffic Incident Responders and Managers
L04	Guidelines for Incorporating Reliability Performance Measures into Travel Models
L14	Communicating Traveler Information and Estimating Value to Travelers

¹ Product L34, e-Tool for Business Processes to Improve Travel-Time Reliability, is part of this bundle. However, it is not ready for development and has been excluded from this cooperative agreement offering.



Capacity – Products to help transportation organizations systematically integrate environmental, economic, and community requirements into the analysis, planning, and design of new highway capacity.

Product Code	Product Title
C01	PlanWorks: Better Planning, Better Projects
C02/C08/C09/C12/C15	Product Bundle - Planning Process Bundle
C02	Performance Measures for Highway Capacity Decision Making
C08	Transportation Visioning for Communities, T-VIZ
C09	Incorporating Greenhouse Gas Emissions in the Collaborative Decision-Making Framework
C12	Guide to Public-Private Partnerships and Non-Standard Procurements
C15	Integrating Freight Considerations into the Highway Capacity Planning Process
C04/C05/C16	Product Bundle - TravelWorks²
C04	Improving Our Understanding of How Highway Congestion and Pricing Affect Travel Demand
C05	Guide to Understanding the Contribution of Operations, Technology, and Design to Meeting Highway Capacity Needs
C16	The Effect of Smart-Growth Policies on Travel Demand
C03/C11	Product Bundle - EconWorks
C03	Transportation Project Impact Case Studies
C11	Tools for Assessing Wider Economic Benefits of Transportation
C06	Implementing Eco-Logical
C19	Expediting Product Delivery
C20	Freight Demand Modeling and Data Improvement

² Product C10, Partnership to Develop an Integrated, Advanced Travel Demand Model and a Fine-Grained, Time-Sensitive Network, is part of this bundle. However, it is not ready for development and has been excluded from this cooperative agreement offering.