

**National Cooperative Highway Research Program  
NCHRP FY 2010**

**PROJECT CONTINUATIONS**

<u>Project Number</u>	<u>Identification</u>	<u>Allocation</u>	<u>Project Manager</u>
03-62	Guidelines for Accessible Pedestrian Signals (APS)	\$170,000	Parker
08-36	Research for the AASHTO Standing Committee on Planning: Support for Improved Transportation Planning and Project Development	600,000	Sundstrom
09-22	Beta Testing and Validation of HMA PRS	400,000	Harrigan
15-32	Context Sensitive Solutions: Quantification of the Benefits in Transportation	125,000	Harrigan
17-36	Production of the First Edition of the Highway Safety Manual	100,000	Niessner
20-05	Synthesis of Information Related to Highway Problems	1,200,000	Srinivasan
20-06	Legal Problems Arising Out of Highway Programs	300,000	Jencks
20-07	Research for the AASHTO Standing Committee on Highways	1,200,000	Srinivasan
20-24	Administration of Highway and Transportation Agencies	1,500,000	Lemer
20-30	NCHRP-IDEA	1,250,000	Hanna
20-36	Highway Research and Technology - International Information Sharing	650,000	Srinivasan
20-44	Accelerating the Application of NCHRP Research Results	200,000	Jencks
20-59	Surface Transportation Security Research	600,000	Parker
20-65	Research for the AASHTO Standing Committee on Public Transportation	350,000	Chisholm-Smith
20-68A	U. S. Domestic Scan Program	500,000	Lemer
20-83	Longer-Term Strategic Issues Facing the Transportation Industry	1,000,000	Sundstrom
24-15(02)	Abutment Scour in Cohesive Materials (w/ Project 24-20 Prediction of Scour at Bridge Abutments)	265,000	Reynaud
24-28	LRFD Metal Loss and Service-Life Strength Reduction Factors for Metal-Reinforced Systems in Geotechnical Applications	125,000	Harrigan
25-25	Quick-Response Research for the AASHTO Standing Committee on the Environment	600,000	Srinivasan

**Continuations Subtotal \$11,135,000**

**NEW PROJECTS**

<u>Project Number</u>	<u>Problem Number</u>	<u>Identification</u>	<u>Allocation</u>	<u>Project Manager</u>
01-48	C-15	Integrating Pavement Preservation into the Design Process	\$500,000	Hanna
01-49	D-14	Guidelines for Forensic Evaluation of Highway Pavements	400,000	Hanna
08-77	B-03	Developing Regional Historic Contexts for Post-World War II Housing	250,000	Sundstrom
08-78	B-10	Develop Bicycle/Pedestrian Demand Model to Measure Bicycle/Pedestrian Activity and Relationship to Land Use	300,000	Srinivasan

<b><u>Project Number</u></b>	<b><u>Problem Number</u></b>	<b><u>Identification</u></b>	<b><u>Allocation</u></b>	<b><u>Project Manager</u></b>
08-79	B-23	Identifying Credible Alternatives for Producing 5-year CTPP Data Products from the ACS	550,000	Srinivasan
08-80	SP-06	Generation and Attraction of Freight by Land Use Characteristics	125,000	Rogers
09-49	D-06/ D-08	Long Term Field Performance of Warm Mix Asphalt Technologies	1,500,000	Harrigan
10-80	C-01	Conversion of the AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals" to the Load and Resistance Factor Design (LRFD) Methodology	500,000	Dekelbab
10-81	D-13	Evaluation of Fuel Usage Factors in Highway Construction	300,000	Harrigan
10-82	D-16/ F-06	Performance Related Specifications (PRS) for Pavement Preservation Treatments	600,000	Hanna
10-83	D-24	Alternative Quality Systems for Application in Highway Construction	500,000	Reynaud
12-85	C-02	Roadway Bridges Fire Hazard Assessment	350,000	Dekelbab
12-86	C-03	Bridge System Safety and Redundancy	500,000	Dekelbab
14-20	F-01/ F-04	Quantifying the Costs and Risks of Delayed Maintenance	700,000	Hanna
14-21	F-03	Optimization of Resource Allocation for Highway Preservation Needs	350,000	Lemer
14-22	F-11	Effective Removal of Pavement Markings	200,000	Reynaud
15-39	C-10	Superelevation Criteria for Sharp Horizontal Curves on Steep Grades	500,000	Reynaud
15-40	C-11	Designing the Roadway Transition from Rural Highways to Urban/Suburban Highways or Streets	300,000	Derr
15-41	C-13	Updated Headlamp Design Criteria for Sag Vertical Curves	250,000	Derr
15-42	G-27	Use of Bicycle Lanes for Various Roadway Characteristics	300,000	Hedges
16-05	C-22	Development of Cost-Effective Treatments of Roadside Ditches to Reduce the Number and Severity of Roadside Crashes	400,000	Niessner
17-46	G-02	Comprehensive Analysis Framework for Safety Investment Decisions	600,000	Niessner
17-47	G-03	Human Factors Guidelines for Road Systems-Phase IV	500,000	Niessner
17-48	G-05	Development of a Strategic National Highway Infrastructure Safety Research Agenda	400,000	Hedges
20-83(06)		Effects of Socio-Demographics on Travel Demand	1,000,000	Hedges
20-83(07)		Sustainable Transportation Systems and Sustainability as an Organizing Principle for Transportation Agencies	1,000,000	Sundstrom
20-84	D-21	Streamline and Simplify Right-of-Way Procedures and Business Practice	500,000	Reynaud
20-85	F-10	Wind, Solar and Ground-Source Energy for Maintenance Area Facilities	500,000	Harrigan
20-86	SP-01	Skill Set Requirements and Career Opportunity Awareness for Transportation Systems Operation and Management Needs at High School and College Levels	375,000	Lemer

<u>Project Number</u>	<u>Problem Number</u>	<u>Identification</u>	<u>Allocation</u>	<u>Project Manager</u>
20-87	SP-02	A Potential Process for the Development and Implementation of a National, Coordinated, Multi-Modal Transportation Research Framework: A Policy Study	500,000	Lemer
20-88	SP-03	Examining International Research Institutes and Other Models of Collaboration to Link Knowledge Creation and Knowledge Application: A Policy Study	500,000	Lemer
22-20(02)	C-07	Design of TL-5 Roadside Barrier Systems Placed on MSE Retaining Walls	500,000	Niessner
24-34	E-09	Risk-Based Approach to Bridge Scour Prediction	500,000	Dekelbab
25-32	B-22	Enhanced Stormwater Treatment BMPs in Highly Urbanized Areas	300,000	Hedges
25-33	C-18	Evaluation of the Methodologies for Visual Impact Assessments	100,000	Srinivasan

**New Projects Subtotal \$16,650,000**

**Grand Total (including continuations) \$27,785,000**

**PROJECT CONTINGENT ON THE AVAILABILITY OF FUNDS**

<u>Problem Number</u>	<u>Identification</u>	<u>Allocation</u>	<u>Project Manager</u>
D-20	Modulus-Based Construction Specifications and Issues for Highway Earthwork and Unbound Base Materials	\$500,000	Reynaud

**Contingent Projects Subtotal \$500,000**