

Wednesday, November 26, 2008

RESEARCH PROJECT MONITORING SCHEDULE

<i>Project Number</i>	<i>Project Title</i>	<i>Date Approved</i>	<i>Completion Date</i>	<i>Funding Source</i>	<i>Project Cost</i>	<i>Project Status</i>	<i>Principal Investigator</i>	<i>SAC Members</i>	<i>Comments</i>
SPR- 2200	High Performance Concrete Bridge Project for SR-43	7/1/1997	8/15/1999 12/31/2001 5/31/2003 6/30/2005 4/30/2008	SPR-II	\$176,000	Approved/Funded	Jan Olek Julio Ramirez Charles Scholer	Tommy Nantung Rick Drumm John Wright Tony Zander Neil Comstock Mike Byers Jaffar Golkhajah	
SPR- 2228	Research and Education Initiatives of the Joint Transportation Research Program	10/31/1997	1/1/1999 12/1/2001 9/30/2002 9/30/2004 9/30/2005 9/30/2007	SPR-II	\$298,450	Approved/Funded	Kumares Sinha	Barry Partridge David Unkefer	
SPR- 2350	Information Technology Initiative within the JTRP	6/22/1999	6/30/2001 6/30/2002 6/30/2003 6/30/2005 6/30/2006 6/30/2010	SPR-II	\$1,200,501	Approved/Funded	Kumares Sinha	Barry Partridge David Unkefer	
SPR- 2357	Initiative for Formulating a Long-Range Research Plan for INDOT	8/11/1999	11/16/2000 11/16/2002 11/16/2005 11/16/2006 11/16/2007 11/16/2010	SPR-II	\$248,000	Approved/Funded	Kumares Sinha	Barry Partridge David Unkefer John Weaver	
SPR- 2378	Implementation of Erosion Control Warranty Specification	11/17/1999	11/30/2002 11/30/2005 11/30/2009	SPR-II	\$43,797	Approved/Funded	Bob McCullouch	Scott Newbolds Ed Ratulowski Brian Flint Eric Spangler Merril Dougherty Richard Phillabaum	
SPR- 2382	Performance Related Specifications for Concrete Pavement	8/1/1999	7/30/2002 7/31/2003 1/31/2004 7/31/2005 7/31/2006 1/31/2008	SPR-II DTFH	\$87,239 \$112,500	Approved/Funded	Jason Weiss Jan Olek	Tommy Nantung Lee Gallivan Richard Smutzer John Weaver Bill Flora Tony Zander	DTFH-7299-0599
				Total	\$199,739				

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SPR- 2400	Effective Deployment of Portable Dynamic Message Signs	8/4/1999	6/22/2001 9/22/2002 12/31/2003 12/31/2004 12/31/2005 12/31/2006	SPR-II	\$95,010	Approved/Funded	Jon Fricker	Samy Noureldin Dennis Lee Wes Shaw David Boruff Mark Newland	
SPR- 2411	Using Automated Vehicle Location Technology to Enhance Traffic Signal Timing and Travel Demand Modeling	8/4/1999	6/23/2001 7/22/2002 7/22/2004 8/22/2005 3/22/2006 8/31/2007	SPR-II	\$124,648	Approved/Funded	Jon Fricker	Samy Noureldin Karen Stippich Steve Smith John Nagle Dan Shamo Ryan Gallagher Roy Nunnally Greg Richards	
SPR- 2413	Identification of Laboratory Techniques to Optimize Superpave HMA Surface Friction Characteristics	12/6/2000	8/31/2003 4/30/2005 2/28/2006 6/30/2007	SPR-II SQDH Iowa	\$80,000 \$160,000 \$80,000	Approved/Funded	Rebecca McDaniel	Samy Noureldin Rick Drumm Ron Terrell Bill Flora Kurt Sommer Shahpor Shahbahrani David Andrewski Mike Prather	Past Due
				Total	\$320,000				
SPR- 2415	Mechanistic Evaluation of Rubblized PCC Pavements	11/17/1999	5/15/2002 5/15/2003 12/31/2003 12/31/2004 12/31/2007	SPR-II	\$20,000	Approved/Funded	Tommy Nantung	Lee Gallivan Kumar Dave Shahpor Shahbahrani	
SPR- 2417	Performance of Indiana's Superpave HMA Mixtures	6/27/2000	6/30/2003 3/31/2004 3/31/2005 9/30/2006	SPR-II	\$76,355	Approved/Funded	Rebecca McDaniel	Lee Gallivan David Andrewski Kurt Sommer David Hamilton Vic Shipbaugh Gerry Huber Lloyd Bandy John Rocchio	Past Due

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SPR- 2419	Performance Evaluation of Ultrathin White Topping Using Large Scale Accelerated Pavement Testing Facility	6/14/2001	10/31/2004 1/31/2006 3/31/2006 3/31/2007 9/30/2007	SPR-II	\$299,390	Approved/Funded	Scott Newbolds Tommy Nantung Jan Olek	Lee Gallivan Tony Zander Larry Vaughan Todd Johnson Bill Tompkins Mike Byers Bill Flora Kumar Dave	
SPR- 2454	Snow and Ice Removal and Anti-Icing Synthesis Study	10/10/2000	3/31/2001 9/30/2002 12/31/2002 12/31/2003 12/31/2004 6/30/2009	SPR-II	\$58,436	Approved/Funded	Bob McCullough	Scott Newbolds Dennis Belter Tom Konieczny Tony McClellan	
SPR- 2455	Constructed Wetlands for INDOT Rest Stop Wastewater Treatment: Proof of Concept Research	8/10/2000	8/31/2003 8/31/2005 8/1/2006 8/31/2009	SPR-II	\$95,000	Approved/Funded	James Alleman S.R. Govindaraju	Barry Partridge Joyce Newland Fike Abbassi Clyde Mason Tom Vanderpool	
SPR- 2456	Hydrology of Natural and Constructed Wetlands	6/20/2000	6/30/2001 3/31/2001 12/31/2002 12/31/2004 8/1/2006 8/31/2009	SPR-II	\$295,000	Approved/Funded	S.R. Govindaraju A.R. Rao Dennis Lyn	Barry Partridge Tony DeSimone Joshua Mott Jerry Unterreiner Steven McAvoy Tom Vanderpool Merril Dougherty JoAnn Wooldridge	
SPR- 2459	The Problem of Wet Subgrades	4/26/2001	3/31/2004 9/30/2005 7/31/2006 11/30/2006 2/28/2007	SPR-II	\$134,992	Approved/Funded	Phillipe Bourdeau	Samy Noureldin Tom Duncan Nayyar Zia Daehyeon Kim Paul Berebitsky Charlie Alley Tom Duncan Greg Pankow Jim Sanneman	

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SPR- 2469	Alternate Land Use Patterns to Minimize Congestion Research and Education Forums	6/21/2000	6/30/2002 12/31/2002 12/31/2004 6/30/2005 12/31/2005 10/31/2006	SPR-II	\$223,476	Approved/Funded	Jon Fricker	Shuo Li Joyce Newland Steve Smith John Nagle	
SPR- 2487	Constructed Wetland Systems for Wastewater Management	8/9/2000	8/31/2003 8/31/2005 8/31/2009	SPR-II	\$85,000	Approved/Funded	James Alleman S.R. Govindaraju	Barry Partridge Joyce Newland Fike Abbasi Clyde Mason Jerry Unterreiner	
SPR- 2495	Evaluation of Radar (Radio Detection and Ranging) Sensing in Reducing Vehicle-Deer Collisions on the Indiana Toll Road	12/6/2000	11/30/2002 2/28/2004 6/30/2008 6/30/2010	SPR-II Toll	\$172,178 \$269,000	Approved/Funded	Sedat Gulen George McCabe Brandon Stevens	Samy Noureldin Karen Stippich Sam Wolfe Ed Cox Carl Tuttle Mack Hosack John Nagle David Hinshaw Aaron Ping	
				Total	\$441,178				
SPR- 2634	Limit States and Load Resistance Design of Slopes and Retaining Structures	3/5/2002	6/30/2005 6/30/2007 4/30/2008	SPR-II	\$159,515	Approved/Funded	Rodrigo Salgado	Daehyeon Kim Keith Hoernschemeyer Mir Zaheer	
SPR- 2636	Mitigating the Expansive Behavior of Chemically Treated Soils	3/5/2002	10/31/2005 5/31/2007 12/31/2007	SPR-II	\$125,000	Approved/Funded	Maria Santagata	Daehyeon Kim David Unkefer Mir Zaheer	
SPR- 2642	High Performance Concrete Pavement for Indiana	2/12/2002	6/30/2005 12/31/2006 12/31/2007 12/31/2008 12/31/2009	SPR-II FHWA	\$75,000 \$200,000	Approved/Funded	Tommy Nantung Scott Newbolds Robert Frosch	Tom Duncan Kurt Sommer Tony Zander Mike Byers Bill Flora	
SPR- 2647	Risk Analysis of the INDOT Implementation of the Maturity Concept	9/1/2002	12/31/2003 8/31/2004 2/28/2005 8/31/2006	SPR-II	\$25,000	Approved/Funded	Tommy Nantung Jan Olek	Lee Gallivan Dennis Kuchler Tony Zander Mike Byers Dick Newell	

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SPR- 2665	Frictional Resistance of Aggregates for HOT-Mix Asphalt Pavements	8/1/2002	7/31/2004 1/31/2005 4/30/2005	SPR-II	\$90,000	Approved/Funded	John Haddock	Tommy Nantung Lee Gallivan Greg Gould Becky McDaniel David Andrewski Kurt Sommer Ron Walker John Yzenas Lloyd Bandy Robert Jones Chuck Sanders George Williams	
SPR- 2789	Dowel Bar Retrofit Mix Design and Specification	11/25/2002	6/30/2004 12/31/2004 3/31/2006 9/30/2006	SPR-II	\$90,000	Approved/Funded	Tommy Nantung Jan Olek	Lee Gallivan Mike Byers Tony Zander Ron Meskis	
SPR- 2791	Expansion of Concrete Technology to the INDOT Districts and Concrete Industry in Indiana	11/25/2002	4/30/2004 10/31/2004 12/31/2006	SPR-II	\$50,000	Approved/Funded	Tommy Nantung Jan Olek Jason Weiss	Lee Gallivan Mark Miller Steve Thieroff Ron Walker Tony Zander Mike Byers Dick Newell Tom Grisinger	
SPR- 2813	Validation of NCAT Structural Test Track Experiment Using INDOT APT Facility	5/29/2003	9/30/2006 12/31/2008	SPR-II	\$1,260,830	Approved/Funded	Rebecca McDaniel	Tommy Nantung Lee Gallivan David Andrewski Kurt Sommer Gerry Huber Lloyd Bandy John Haddock Dudley Bonte Mike Prather	Past Due
SPR- 2857	Tire Shred Backfill in Mechanically Stabilized Earth Wall Applications	12/15/2003	10/31/2006 10/31/2007 10/31/2008	SPR-II	\$95,000	Approved/Funded	Rodrigo Salgado Monica Prezzi	Daehyeon Kim David Unkefer Matt Frazer Anthony Uremovich Nayyar Zia Scott Newell	

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SPR- 2862	Determining the Binder Content of Hot-Mix Asphalt Containing Dolomitic Aggregates Using the Ignition Oven	12/15/2003	4/30/2005 2/28/2006 8/31/2006 2/28/2007	SPR-II	\$100,000	Approved/Funded	Rebecca McDaniel	Lee Gallivan Joyce Stone Ron Terrell Dudley Bonte Mike Prather Kurt Sommer	Past Due
SPR- 2863	Saw-Cutting Guidelines for Concrete Pavements: Examining the Requirements for Time and Depth of Saw-Cutting, Volumes 1 and 2	8/25/2003	12/24/2005 2/28/2007	SPR-II	\$100,000	Approved/Funded	Jason Weiss Jan Olek	Tommy Nantung Tom Duncan Dennis Kuchler James Cheatham Mike Byers Dick Newell Scott Newbolds Tony Zander	
SPR- 2864	Optimization of Mixture Proportions for Concrete Pavement	12/15/2003	12/31/2005 12/31/2006 2/28/2009	SPR-II	\$120,000	Approved/Funded	Jan Olek Jason Weiss Tommy Nantung	Tommy Nantung Lee Gallivan Steve Thieroff Mike Byers Dick Newell Mike Kaelin Tony Zander Tom Grisinger	
SPR- 2867	Earthquake Resistance of Integral Bridges	12/15/2003	12/31/2007 9/30/2008	SPR-II	\$225,000	Approved/Funded	Robert Frosch	Tommy Nantung Keith Hoernschemeyer John McCrary Tony McClellan Randy Strain Mir Zaheer	
SPR- 2868	Training for Load and Resistance Factor Design (LRFD)	8/25/2003	12/24/2005 6/24/2006 9/24/2007	SPR-II	\$130,000	Approved/Funded	Mark Bowman Bob McCullouch	Scott Newbolds Keith Hoernschemeyer Anne Rearick Mir Zaheer	
SPR- 2872	Synthesis of Best Practices in Transportation Security	9/1/2003	2/28/2005 8/31/2005 12/31/2005 6/30/2006 10/31/2006 4/30/2007	SPR-II	\$246,927	Approved/Funded	Jon Fricker	Tommy Nantung Keith Hoernschemeyer Jim Poturalski Mike Hougland	

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SPR- 2874	Primary Emergency Routes for Transportation Security	10/14/2003	2/28/2006 5/31/2006	SPR-II	\$100,000	Approved/Funded	Srinivas Peeta	Tommy Nantung Keith Hoernschemeyer Steve Wuertz Todd Shields	
SPR- 2910	Annual Motor Oil Usage Reduction and Engine Life Extension through Bypass and Full Flow Bypass Oil Filtration for INDOT Heavy-Duty Vehicles - Implementation Study	10/1/2003	12/31/2004 12/31/2005 7/31/2006 4/30/2007 9/30/2007 6/30/2010	SPR-II	\$82,013	Approved/Funded	Farshid Sadeghi	Barry Partridge Bob Timm Matt Frazer Otis Carter	
SPR- 2911	High-Performance Concrete Bridge Decks: A Fast-Track Implementation Study Volume 1: Structural Behavior	10/14/2003	6/30/2005 2/28/2006 12/31/2006 6/30/2007	SPR-II	\$202,697 \$9,000	Approved/Funded	Robert Frosch Jan Olek Tommy Nantung	Tommy Nantung Keith Hoernschemeyer John Jordan Tony Zander Scott Newbolds Mike Byers	
				Total	\$211,697				
SPR- 2922	Automated Vehicle Location (AVL) for Road Condition Reporting	7/1/2004	6/30/2006 7/31/2007 6/30/2008 6/30/2009	SPR-II	\$145,449	Approved/Funded	Bob McCullouch	Karen Zhu Karen Stippich Jim Nugent Steve Swinford Tony McClellan Tom Konieczny Mark Newland Dan Sipes Mike Rivers Brandon Stevens Meggan Simpson Dennis Belter Jay Wasson John McIntyre	Gary Phillips, David Unkefer
SPR- 2923	Implementation of Warranty Clauses for Steel Bridge Painting Contracts	7/1/2004	12/31/2009	SPR-II	\$89,629	Approved/Funded	Luh-Man Chang	Tommy Nantung Keith Hoernschemeyer Tony McClellan Bill Dittrich Jaffar Golkhajeh Steve Bates	

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SPR- 2930	A Method for Accounting for Pile Setup and Relaxation in Pile Design and Quality Assurance	12/16/2004	7/31/2007 7/31/2008 7/31/2009	SPR-II	\$100,000	Approved/Funded	Rodrigo Salgado Daehyeon Kim	Keith Hoernschemeyer Don Leonard Mir Zaheer Joey Franzino Jorge Camacho	
SPR- 2931	Use of Micropiles for Foundations of Transportation Projects	12/16/2004	7/31/2007 7/31/2008 12/31/2008	SPR-II	\$100,000	Approved/Funded	Monica Prezzi	Daehyeon Kim Keith Hoernschemeyer Don Leonard Mir Zaheer	
SPR- 2933	A Truck-Mounted Scour-Inspection System for INDOT	12/16/2004	12/31/2006 12/31/2007 9/30/2008	SPR-II	\$183,339	Approved/Funded	Dennis Lyn	Scott Newbolds Keith Hoernschemeyer Merril Dougherty David Knipe Tony McClellan Bill Dittrich John McCrary Brandon Stevens Dan Ghere Louis Feagans Marty Rairdon	
SPR- 2934	Alternatives to Fuel Tax	12/16/2004	1/14/2007 7/14/2007 1/14/2008	SPR-II	\$100,000	Approved/Funded	Kumares Sinha Samuel Labi	Samy Noureldin Jay DuMontelle David Holtz Dennis Faulkenberg Lloyd Bandy Mike Byers Andy Fitzgerald Gary Eaton Bernard Seel	
SPR- 2936	Investigating the Feasibility of Integrating Pavement Friction and Texture Depth Data in Modeling for INDOT PMS	12/16/2004	5/31/2007 11/30/2008	SPR-II	\$30,000	Approved/Funded	Rebecca McDaniel Shuo Li Bill Flora	Lee Gallivan David Andrewski Bill Flora Mike Yamin Gerry Huber Mike Byers Bob Williams Lloyd Bandy Karen Stippich	

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SPR- 2938	Materials Characterization for the AASHTO New Design Guide	2/1/2005	2/29/2008 12/31/2008	SPR-II	\$150,000	Approved/Funded	Tommy Nantung	Lee Gallivan David Andrewski Kumar Dave Jeff James Bill Flora Gerry Huber Lloyd Bandy Mike Byers Steve Boyer	
SPR- 2939	Long-Term Performance of a Porous Friction Course	10/1/2004	9/30/2008	SPR-II	\$80,000	Approved/Funded	Rebecca McDaniel	Samy Noureldin Lee Gallivan Brad Cruea David Andrewski Mike Yamin David Hamilton Joe Novak John Kaiser Mike Prather	
SPR- 2940	Mechanistic Evaluation of Composite Pavement: Synthesis Study	2/1/2005	2/28/2007 12/31/2007	SPR-II	\$25,000	Approved/Funded	Tommy Nantung	Lee Gallivan David Andrewski Jeff James Mike Yamin Tom Byrne Gerry Huber Lloyd Bandy Mike Byers	
SPR- 2942	Fatigue Strength of Steel Bridge Members with Intersecting Welds	8/12/2004	8/15/2007 5/15/2008 2/14/2009	SPR-II	\$175,000	Approved/Funded	Mark Bowman	Scott Newbolds Keith Hoernschemeyer Don Leonard Bill Dittrich Jim Mickler George Snyder Chris Bucher	
SPR- 2943	Evaluation of Fiber-Reinforced Polymer (FRP) Decks for Bridge Rehabilitation	12/16/2004	5/31/2008 5/31/2009	SPR-II	\$179,000	Approved/Funded	Judy Liu	Tommy Nantung Keith Hoernschemeyer Don Leonard Tony Zander Jaffar Golkhajeh Anne Rearick Gail Lee	

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SPR- 2944	Experimental Evaluation and Implementation of Post-Tensioning in Concrete Bridge Decks	8/1/2004	7/31/2006 7/31/2007 1/31/2008 5/31/2008 2/28/2009	SPR-II	\$175,466	Approved/Funded	Julio Ramirez	Scott Newbolds Keith Hoernschemeyer Don Leonard Tony Zander Jaffar Golkhajeh Greg Klevitsky Victor Hong	
SPR- 2948	Dynamic Message Signs on Indiana Highways - Guidelines for Message Content and Deployment	8/12/2004	12/14/2005 6/30/2006 12/31/2006	SPR-II	\$52,162	Approved/Funded	Jon Fricker	Shuo Li Dennis Lee Paul Berebitsky Mark Newland David Boruff John Nagle Mike Hofmann Steve Wuertz Meggan Simpson Steve Apple	
SPR- 2953	Investigation of Factors Affecting the Improvement of Clay with Ground Blast-Furnace Slag and Cement	8/19/2004	2/28/2007 9/30/2007	SPR-II Dept. Industry	\$39,884 \$80,000 \$20,000	Approved/Funded	Lynn Salvati Wilasa Vichit-Vadakan	Tommy Nantung Keith Hoernschemeyer Daehyeon Kim Tiffany Sorge Nayyar Zia Tom Duncan Barry Descheneaux Doug McPherson Joe Hile	
				Total	\$139,884				
SPR- 2954	Mock Drill Prototype for Transportation Security	8/15/2004	1/14/2005 6/30/2005 9/30/2005 12/31/2005 12/31/2006 12/31/2009	SPR-II	\$141,100	Approved/Funded	Shimon Nof	Barry Partridge Mike Smith Tommy Nantung	
SPR- 2981	Creation of a Committed Johnson Grass Research Test Area and Implementation Study	8/1/2004	7/31/2009	SPR-II	\$71,300	Approved/Funded	D. James Morre	Dwayne Harris Bill Fielding Olen Nantz Clyde Mason	

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SPR- 2986	Innovative Remediation Technology Implementation Plan for the Crawfordsville INDOT ROW Site	7/1/2005	6/30/2007 6/30/2008	SPR-II	\$150,000	Approved/Funded	P. Suresh Rao Inez Hua Linda S. Lee	Barry Partridge Tony DeSimone Behrooz Vakily	
SPR- 3005	Classification of Organic Soils	8/1/2005	10/31/2006 1/31/2007	SPR-II	\$70,000	Approved/Funded	Maria Santagata Antonio Bobet	Daehyeon Kim Keith Hoernschemeyer Nayyar Zia Somanath Hiremath Joyce Stone Arnie Apple	Past Due
SPR- 3006	Design and Application of Drilled Displacement (Screw) Piles	11/22/2005	9/30/2008 9/30/2009	SPR-II	\$101,038	Approved/Funded	Monica Prezzi	Daehyeon Kim Keith Hoernschemeyer Mir Zaheer Don Leonard Arnie Apple	
SPR- 3008	Evaluation of In-Situ Stiffness of Subgrade by Resilient and FWD Modulus	12/21/2005	12/31/2007 12/31/2008	SPR-II	\$30,000	Approved/Funded	Daehyeon Kim Yigong Ji Nayyar Zia Siddiki	Lee Gallivan David Andrewski Vincent Dnevich Jeff James	
SPR- 3009	Use of Dynamic Cone Penetration and Clegg Hammer Tests for Quality Control/Quality Assurance of Roadway Compaction and Construction	11/22/2005	6/30/2008 6/30/2009	SPR-II	\$98,936	Approved/Funded	Rodrigo Salgado Monica Prezzi	Daehyeon Kim Lee Gallivan Nayyar Zia-Siddiki Tom Harris Arnie Apple Kurt Sommer Chuck Wildt Scott Sweeney Mike Rose	
SPR- 3011	Bendway Weirs: An Environmentally-Sensitive Response to Stream Stability Problems at Bends	9/30/2005	12/31/2007	SPR-II	\$101,950	Approved/Funded	Dennis Lyn	Scott Newbolds Dan Ghere Merril Dougherty	

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SPR- 3012	Development of a Framework for Ex Post Facto Evaluation of Transportation Projects and Programs in Indiana	4/15/2006	10/14/2008 6/14/2009	SPR-II	\$200,000	Approved/Funded	Samuel Labi Jon Fricker Kumares Sinha	Samy Noureldin Larry Heil Michelle Allen David Holtz Brad Steckler Bob Williams David Andrews Mike Byers Andy Fitzgerald Steve Wuertz Eryn Hays-Fletcher Steve Smith Kirk Mangold Andy Jackson	Joyce Newland
SPR- 3013	Updating and Enhancements of the Indiana Bridge Management System (IBMS)	11/15/2005	4/14/2008 11/14/2008	SPR-II SPR-I	\$120,000 \$80,000	Approved/Funded	Kumares Sinha Samuel Labi Bob McCullouch	Samy Noureldin Keith Hoernschemeyer John Weaver David Holtz Jaffar Golkhajeh Karen Zhu Andy Fitzgerald	
				Total					
SPR- 3016	Investigation of Premature Distress Around Joints in PCC Pavement	11/15/2005	11/14/2006 9/30/2009	SPR-II	\$63,220	Approved/Funded	Jan Olek Tommy Nantung	Lee Gallivan David Andrews Greg Kicinski Mike Koch Mike Byers Dick Newell Tony Zander	
SPR- 3017	Continued Monitoring of Indiana's SPS9-A Test Site	9/30/2005	12/31/2009	SPR-II	\$74,907	Approved/Funded	Ayesha Shah Rebecca McDaniel Jan Olek	Tommy Nantung Lee Gallivan David Andrews	
SPR- 3018	Evaluation of Recycled Asphalt Pavement for Surface Mixtures	12/16/2005	5/31/2008	SPR-II	\$99,995	Approved/Funded	Rebecca McDaniel	Tommy Nantung Lee Gallivan David Andrews Joe Novak Steve Henderson	

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SPR- 3019	Field Trials of Rapid Setting Repair Materials	12/16/2005	12/31/2010	SPR-II	\$84,988	Approved/Funded	Jan Olek Jason Weiss	Tommy Nantung Lee Gallivan Kumar Dave Joe Novak Mike Byers	
SPR- 3020	Updating Physical and Chemical Characteristics for Fly Ash in Concrete	12/16/2005	12/31/2007 7/31/2009	SPR-II	\$102,161	Approved/Funded	Jan Olek	Tommy Nantung Lee Gallivan David Andrewski Dustin Vogel	
SPR- 3021	PCC Properties to Support W/C Determination for Durability	12/16/2005	12/31/2007 9/30/2009	SPR-II	\$87,000	Approved/Funded	Jan Olek Tommy Nantung	Lee Gallivan Tony Zander Don Leonard Mike Byers Chris Wolf	
SPR- 3022	Training for Load and Resistance Factor Design (LRFD) of Substructures	12/16/2005	4/30/2008	SPR-II	\$150,000	Approved/Funded	Mark Bowman Bob McCullouch	Scott Newbolds Keith Hoernschemeyer Lisa Egler-Kellems Anne Rearick Naveed Burki Greg Klevitsky Mike Wood Jim Nugent	
SPR- 3023	Evaluation and Verification of Bridge LRFD Design and Analysis Software for INDOT	12/16/2005	4/30/2008 4/30/2009	SPR-II	\$150,000	Approved/Funded	Amit Varma	Scott Newbolds Keith Hoernschemeyer Anne Rearick Jim Nugent Greg Klevitsky	
SPR- 3024	Innovative Bridge Construction Program: Implementation of Full-Depth Bridge Deck Panels in Indiana	7/1/2005	6/30/2008 12/31/2009	SPR-II IBRC	\$198,944 \$75,000	Approved/Funded	Robert Frosch Julio Ramirez	Tommy Nantung Keith Hoernschemeyer Don Leonard Ed Liberati Amanda Stevens Mike Wenning Ed Spahr	
				Total	\$273,944				

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SPR- 3028	Risk Management Assessment of Upgrading and Standardizing Guardrails	12/21/2005	3/31/2008 3/31/2009	SPR-II	\$20,000	Approved/Funded	Karen Zhu Shuo Li	Rick Drumm Brad Steckler Steve Thieroff John Nagle Larry Vaughan Eric Conklin Dennis Belter Kevin Munro	
SPR- 3029	Assessment and Enhancement of Awareness Training and Security	11/22/2005	12/31/2007 12/31/2008	SPR-II	\$171,849	Approved/Funded	Shimon Nof	Barry Partridge Keith Hoernschemeyer Dennis Belter Guy Boruff	
SPR- 3051	Development of Integrated Land-Use Transportation Model for Indiana	9/30/2005	9/14/2007 3/31/2008 9/30/2008	SPR-II SPR-I	\$42,811 \$150,000	Approved/Funded	Jon Fricker	Samy Noureldin Steve Smith	
Total									
SPR- 3061	Safety Enhancement of the INDOT Network Pavement Friction Testing Program	10/31/2005	4/30/2007 4/30/2008 4/30/2009	SPR-II	\$10,000	Approved/Funded	Shuo Li Samy Noureldin Karen Zhu	Pankaj Patel	
SPR- 3062	Development of a Structural Index as an Integral Part of the Overall Pavement Quality in the INDOT PMS	9/30/2005	9/30/2008 3/30/2009	SPR-II	\$66,979	Approved/Funded	Bill Flora Samy Noureldin Kumares Sinha	John Weaver David Holtz	
SPR- 3064	Site Verification of Weigh-In-Motion Traffic and TIRTLE Certification Data	4/19/2006	4/30/2007 4/30/2008 6/30/2009	SPR-II	\$82,460	Approved/Funded	Yi Jiang Eliza Du	Shuo Li Kirk Mangold Scott MacArthur Samy Noureldin Tommy Nantung	Additional Pis: Tommy Nantung and Samy Noureldin

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SPR- 3080	Contract Time Optimization Methodologies for Highway Construction Projects	3/28/2007	8/14/2009	SPR-II	\$100,000	Approved/Funded	Yi Jiang	Scott Newbolds David Unkefer Shuo Li Jim Kaur Steve Thieroff Pat Long Sam Sarvis Shakeel Baig Rob Goldner Ron Heustis David Pluckebaum Paul Berebitsky	
SPR- 3081	3D As-Built Data for Utilities	12/15/2006	4/30/2009	SPR-II	\$150,001	Approved/Funded	James Bethel	Karen Zhu Ed Ratulowski Dwayne Harris LaVon Marshall Ron Heustis Frank Litherland Shakeel Baig Joel Bump	
SPR- 3084	Construction Costs - Using Federal Funds versus Local Funds	12/15/2006	6/14/2008 2/14/2009	SPR-II	\$30,000	Approved/Funded	Dulcy Abraham	Scott Newbolds Tony DeSimone Steve Thieroff Pat Long Shakeel Baig John Bowers John Jordan	
SPR- 3085	Worker Injury Prevention Strategies	4/19/2006	4/14/2008 11/14/2008	SPR-II	\$75,000	Approved/Funded	Dulcy Abraham	Scott Newbolds Rick Drumm Dennis Kuchler Mike Hougland Chris Nardine Calvin Lee Kevin Johnston John Haberman Lyle Sadler	
SPR- 3086	Investigation of the Effective Use of Warning Lights on Indiana Department of Transportation (INDOT) Vehicles and Equipment	11/1/2006	6/30/2007 3/31/2008 6/30/2008 9/30/2008	SPR-II	\$42,694	Approved/Funded	Bob McCullouch	Brandon Stevens Phil Ivey Larry Vaughan Lyle Sadler	

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SPR- 3087	Pavement Crack Sealing/Chip Sealing Technology	7/1/2007	6/30/2010	SPR-II	\$49,500	Approved/Funded	Ju Sang Lee Todd Shields	Lee Gallivan Bill Kocher Krystal Cornett Dwayne Myers Kumar Dave Randy Sexson Jay Longenecker Shakeel Baig Herb Wissel Mike Prather Eric Woodings Tom Kasten Joe Mayfield	
SPR- 3088	Evaluation of Surface Friction Treatments	12/7/2006	6/30/2010	SPR-II	\$50,000	Approved/Funded	Shuo Li Yi Jiang Samy Noureldin	Tom Duncan Joyce Stone Todd Shields Jeff James Dave Andrewski Mike Prather Shakeel Baig	
SPR- 3089	Traffic Signal System Real Time Performance	6/22/2006	12/31/2008	SPR-II	\$150,000	Approved/Funded	Darcy Bullock	Shuo Li Karen Stippich Ryan Gallagher Jim Sturdevant David Unkefer	
SPR- 3091	Investigation of Anti-Icing Chemicals and Interactions	12/15/2006	12/31/2007	SPR-II	\$150,000	Approved/Funded	Jan Olek Tommy Nantung	Lee Gallivan Scott Newbolds Tom Konieczny Tom Gleason Dave Andrewski Todd Tracy Mike Byers Dick Newell Chris Hostetler	

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SPR- 3092	Indiana Pavement Preservation Program	3/28/2007	12/31/2009	SPR-II	\$162,142	Approved/Funded	Tommy Nantung Raymond Ong Kumares Sinha	Lee Gallivan Samy Noureldin Khalil Dughhaish Joyce Stone Krystal Cornett Dwayne Myers Kumar Dave Mike Byers Andrew Carter Shakeel Baig Todd Shields	
SPR- 3093	Portland Cement Concrete Pavement Performance Relative to Permeability	11/1/2006	6/30/2009	SPR-II	\$150,000	Approved/Funded	Jason Weiss	Tommy Nantung Lee Gallivan Joe Novak Kumar Dave Tony Zander Mike Byers Dick Newell Mark Fligor	
SPR- 3094	Effects of Bypasses	8/3/2006	12/14/2008	SPR-II	\$100,000	Approved/Funded	Jon Fricker	Shuo Li Joyce Newland Andrew Fitzgerald Steve Smith Eryn Hays Ben Shaffer	
SPR- 3095	Origin-Destination Tools for District Offices	6/22/2006	12/14/2007 8/31/2008	SPR-II	\$70,000	Approved/Funded	Jon Fricker	Shuo Li David Franklin Joyce Stone Khalil Dughhaish Andrew Fitzgerald Steve Smith Roy Nunnally	
SPR- 3096	Guidelines for INDOT-MPO Coordination	6/22/2006	12/14/2007 5/14/2008	SPR-II	\$40,000	Approved/Funded	Jon Fricker	Dwayne Harris Jay DuMontelle Larry Loveall Pam Drach Laurie Maudlin Jeanette Wilson Shakeel Baig Eryn Hays-Fletcher Dan Avery Kent Anderson	

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SPR- 3097	Multi-Jurisdiction Issues Related to Congestion Management	6/22/2006	12/14/2007 5/14/2008	SPR-II	\$40,000	Approved/Funded	Jon Fricker	Dwayne Harris Joyce Newland John Curry Andy Fitzgerald Eryn Hays Steve Smith Mark Albers Steve Cunningham Bill Wiedelman Jerold Bridges	
SPR- 3098	Economic Development Performance Measures and Rural Economic Development in Indiana	3/28/2007	1/14/2009	SPR-II	\$50,000	Approved/Funded	Kumares Sinha Nadia Gkritza	Samy Noureldin Dan Keefer Pat Long Sam Sarvis Shakeel Baig David Holtz Alvin Evans Andy Fitzgerald	
SPR- 3101	Methods of Safety Improvements at Coordinated Signals	8/1/2006	11/30/2008	SPR-II	\$80,000	Approved/Funded	Andrej Tarko	Shuo Li Karen Stippich David Unkefer Randy Phegley Andrew Fitzgerald Brad Steckler John Haberman Greg Richards	
SPR- 3102	Safety and Operational Impacts of Alternative Intersections	8/3/2006	12/20/2008	SPR-II	\$126,102	Approved/Funded	Andrej Tarko Fred Mannering	Shuo Li Rick Drumm Jim Sturdevant David J. Lane Ernie Stoops John Nagle Brad Steckler Laurie Johnson	
SPR- 3103	Knowledge-Based System to Support Site Investigation for Safety Improvement	6/16/2006	10/15/2008 4/15/2009	SPR-II	\$80,000	Approved/Funded	Andrej Tarko	Shuo Li Rick Drumm Dwayne Harris David J Lane John Nagle Karen Zhu Mike Holowaty Kanwal Kalirai	

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SPR- 3104	Control and Repair of Bridge Deck Cracking	8/3/2006	12/31/2008 4/30/2010	SPR-II	\$150,000	Approved/Funded	Robert Frosch	Tommy Nantung Keith Hoernschemeyer Scott Newbolds Jim Kaur Jim Mickler Don Leonard Tony Zander Bob Turner Bill Dittrich Shakeel Baig George Snyder Greg Carleton Dan Kinder	
SPR- 3105	Effects of Realistic Heat Straightening Repairs on Steel Bridge Beam	12/15/2006	12/31/2009	SPR-II	\$172,343	Approved/Funded	Amit Varma	Scott Newbolds Keith Hoernschemeyer Jim Mickler Jim Reilman Brad Ridgley George Snyder Danny Wampler	
SPR- 3106	Geotechnical Design Based on INDOT CPT and PMT	8/3/2006	2/28/2009	SPR-II	\$80,000	Approved/Funded	Dae Hyeon Kim Monica Prezzi Nayyar Zia-Siddiki	Keith Hoernschemeyer Mir Zaheer	
SPR- 3107	Clogging of Underdrain Geotextile Fabrics	12/15/2006	12/31/2007 5/31/2008	SPR-II	\$45,000	Approved/Funded	Phillipe Bordeau	Daehyeon Kim Joe Novak Kumar Dave Nayyar Zia-Siddiki Shakeel Baig	
SPR- 3108	Development of Load and Resistance Factor Design for Ultimate and Serviceability Limit States of Transportation Structure Foundations	11/1/2006	12/31/2009	SPR-II	\$180,000	Approved/Funded	Rodrigo Salgado	Daehyeon Kim Keith Hoernschemeyer Shakeel Baig Mir Zaheer Liza Dwyre	
SPR- 3109	Building on Collapsible Soils	12/15/2006	9/30/2008 9/30/2009	SPR-II	\$75,000	Approved/Funded	Marika Santagata	Tommy Nantung Keith Hoernschemeyer Mike Byers Pete Daza Kulanand Jha Shakeel Baig	

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SPR- 3110	Trade-off Analysis Methodology for Asset Management	12/15/2006	12/31/2008	SPR-II	\$175,000	Approved/Funded	Samuel Labi Thomas Morin Kumares Sinha	Samy Noureldin David Unkefer David Holtz Khalil Dughhaish Jess Peters Dwayne Myers Dave Andrews Dan Keefer	
SPR- 3111	Automated Pavement Condition Data Collection Quality Control, Quality Assurance and Reliability	1/16/2007	7/15/2009	SPR-II	\$148,374	Approved/Funded	Samy Noureldin Raymond Ong	Samy Noureldin Lee Gallivan Dwayne Harris Khalil Dughhaish Krystal Cornett Dave Andrews Mike Byers Joyce Stone Shakeel Baig Bill Flora Eric Conklin Lloyd Bandy Todd Shields Abdelrahman Wagealla	
SPR- 3112	Assessment of Financial Risk in Transportation Investments	3/28/2007	1/14/2009	SPR-II	\$50,000	Approved/Funded	Kumares Sinha Nadia Gkritza	Samy Noureldin Mark Newland Andy Fitzgerald Jess Peters Shakeel Baig David Holtz	
SPR- 3113	Development of a Comprehensive Highway Technician Training Program for INDOT Personnel	4/19/2006	4/14/2008 6/30/2008 12/31/2008	SPR-II	\$100,000	Approved/Funded	Bob McCullouch	Barry Partridge David Unkefer Dennis Belter Len Gritzer Mark Miller Ron Walker Sam Sarvis	

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SPR- 3114	Treatment Selection Guidelines for Pavement Preservation	8/1/2007	12/31/2008 6/30/2009	SPR-II	\$15,000	Approved/Funded	Ju Sang Lee Todd Shields	Tommy Nantung Tom Duncan Bill Kocher Joyce Stone Krystal Cornett Jeff James Dave Andrews Mike Byers Greg Ellis Shakeel Baig Kumar Dave	
SPR- 3115	Project Management Training for INDOT	4/19/2006	4/14/2008 4/14/2009	SPR-II	\$100,000	Approved/Funded	Bob McCullouch	Scott Newbolds Robert Dirks Ron Heustis Joe Jones Shakeel Baig Rusty Fowler	
SPR- 3129	Use of BOF Slag in Subgrade Applications	6/27/2006	10/31/2007 4/30/2008 12/31/2009	SPR-II Multiser Levy	\$60,000 \$15,000 \$15,000	Approved/Funded	Monica Prezzi Bob McCullouch Daehyeon Kim	Nayyar Zia-Siddiki Karen Kiggins John Yzenas	
				Total	\$90,000				
SPR- 3130	Performance-Based Contracting for Highway Preservation and Maintenance	10/1/2006	3/31/2008 9/30/2008	SPR-II	\$114,904	Approved/Funded	Bob McCullouch Kumares Sinha	Scott Newbolds David Unkefer Todd Shields Mark Miller John Burkhardt Samy Noureldin Joe Lewien Bill Tompkins Ted Lucas Dennis Belter Mike Bowman	
SPR- 3131	Practices for Seamless Transmission of Design Data from Design Phase to Construction Equipment Operation: A Synthesis Study	12/15/2006	12/31/2007 5/31/2008	SPR-II	\$31,735	Approved/Funded	Phillip Dunston	Scott Newbolds David Unkefer Bill Schmidt Mark Thompson Scott Sondles Scott Robison Dennis Kuchler Dwayne Harris John Dudlicek	

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SPR- 3132	Distributed Nuclear Detection via Transportation Networks	12/15/2006	8/14/2007 10/31/2007 11/30/2007 2/29/2008	SPR-II	\$25,000	Approved/Funded	Ephraim Fischbach Jere Jenkins	Barry Partridge Mike Smith	
SPR- 3133	The Impacts of Biofuels on Transportation and Logistics in Indiana	12/22/2006	1/14/2008 8/31/2008	SPR-II ISDA	\$85,000 \$40,000	Approved/Funded	Frank Dooley Paul Preckel Wally Tyner	Barry Partridge Carl Bruhn Mike Cline Keith Bucklew Ken Klemme John Jordan Steve Smith	
				Total	\$125,000				
SPR- 3140	Updating INDOT Hot Mix Asphalt Quality Assurance Statistical Limits for Contractor Quality Assurance Results	10/15/2006	10/14/2008	SPR-II	\$15,000	Approved/Funded	Sedat Gulen Samy Nouredin	Ron Walker Mike Prather	
SPR- 3143	Accessible Pedestrian Signals for the Blind and Visually and Hearing Impaired in Indiana	4/18/2007	8/12/2007	SPR-II	\$34,997	Approved/Funded	Robert Jacko Greg Richards	Shuo Li Rick Drumm Gerry Koors Alfredo Hanza	
SPR- 3144	Improving the Design of U-Beams for Indiana		4/30/2012	SPR-II IBRD	\$209,000 \$100,000	Approved/Funded	Robert Frosch Michael Kreger	Tommy Nantung Keith Hoernschemeyer Victor Hong Tony Zander Jim Reilman Anne Rearick Greg Pankow Mike Nelson	
				Total	\$309,000				
SPR- 3200	Saw Cutting and Curing of Concrete Pavements	12/11/2007	6/30/2010	SPR-II	\$100,000	Approved/Funded	Jason Weiss	Tommy Nantung Lee Gallivan Tom Carrow Steve Boyer Tony Zander Arnie Apple Mike Byers Dennis Kuchler Dave Andrewski	

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SPR- 3201	Review Construction Techniques for Accelerated Construction	1/1/2008	12/31/2008	SPR-II	\$30,000	Approved/Funded	Joo Hyoung Lee Bob McCullouch	Dwayne Harris Tony DeSimone Mark Miller Lynn Shireman Steve Boyer James Howard Pankaj Patel John Brand George Snyder	
SPR- 3204	Development of Snow and Ice Removal Performance Standard	10/22/2007	10/31/2009	SPR-II	\$41,751	Approved/Funded	Bob McCullouch	Scott Newbolds Bill Tompkins Kirk Mangold Dennis Belter Kirk Carpenter Joel Bump	
SPR- 3206	Performance Evaluation of Traffic Sensing and Control Devices	12/11/2007	10/31/2009	SPR-II	\$140,000	Approved/Funded	Darcy Bullock	Dwayne Harris Karen Stippich Dana Plattner Steve Boyer Tim Overman Scott MacArthur Mike Bowman Ryan Gallagher	
SPR- 3207	Railroad Interconnect at Signalized Intersections	8/1/2007	7/31/2009	SPR-II	\$100,000	Approved/Funded	Darcy Bullock	Dwayne Harris Mack Hosack Jim Sturdevant Kanwal Kalirai Ed Cox Joel Schmidt Kelly Cummins Lawrence Ozobu Fred Hohl	
SPR- 3208	Quantifying Benefits of Traffic Signal Retiming (Latent Demands)	12/11/2007	8/31/2009	SPR-II	\$75,000	Approved/Funded	Darcy Bullock	Shuo Li Karen Stippich Greg Richards James Howard Ed Cox Ryan Gallagher Jim Sturdevant	

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SPR- 3210	Longitudinal Joint Specification and Performance	12/11/2007	6/30/2010	SPR-II	\$40,000	Approved/Funded	Becky McDaniel Ayesha Shah Jan Olek	Jusang Lee David Unkefer Jeff James Dave Speer Mike Prather David Andrewski Lee Randell	
SPR- 3211	Development of Self-Curing Concrete for Increasing Service Life	10/15/2007	10/14/2010	SPR-II	\$150,000	Approved/Funded	Jason Weiss Tommy Nantung	Jim Reilman Tony Zander Arnie Apple Mike Byers Enass Zayed	
SPR- 3212	Compatibility of Aggregates, Cements, and Admixtures	12/11/2007	11/30/2010	SPR-II	\$100,000	Approved/Funded	Jan Olek	Tommy Nantung Tom Duncan Tom Carrow Ron Heustis Tony Zander Tom Grisinger Mike Byers Enass Zayed	
SPR- 3213	Real-Time Socio-Economic Data for Travel Demand Modeling and Project Evaluation	10/15/2007	2/15/2009	SPR-II	\$72,909	Approved/Funded	Jon Fricker	Dwayne Harris Larry Heil Roy Nunnally Steve Smith Swenson Yang Vince Bernardin Carol Rogers	
SPR- 3214	Post-Processing Techniques to Enhance Reliability of Assignment Algorithm Based Performance Measures	1/1/2008	12/31/2009	SPR-II	\$100,000	Approved/Funded	Srinivas Peeta	Dwayne Harris Larry Heil Roy Nunnally Steve Smith Vince Bernardin	
SPR- 3215	Predicting and Monitoring Traffic Induced Vertebrate Mortality Near Wetlands	10/22/2007	12/31/2009	SPR-II	\$153,316	Approved/Funded	Andrew DeWoody	Barry Partridge Joshua Mott David Glista	

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SPR- 3216	Understanding the Impact of INDOT Projects on Automotive Industry Cluster Logistics Costs: A Case Study of the Honda Plant	6/1/2007	11/30/2008	SPR-II	\$112,821	Approved/Funded	Ananth Iyer	Barry Partridge Jay DuMontelle Tom Harris John Jordan Jeff Logman Steve Smith Eryn Hays-Fletcher Bart Mueller Bernie Seel Keith Bucklew John Weaver Kumares Sinha Pam Fisher	
SPR- 3217	Forecasting of Highway Revenues under Various Options	8/1/2007	7/31/2009	SPR-II	\$106,082	Approved/Funded	Kumares Sinha	Samy Noureldin Mark Newland Eryn Hays-Fletcher Andrew Fitzgerald Pat Long	
SPR- 3220	Control Safety Impacts of Design Exceptions	7/1/2007	12/31/2008 3/31/2009	SPR-II	\$100,000	Approved/Funded	Fred Mannering	Shuo Li Rick Drumm Kanwal Kalirai John Wright Ernie Stoops Mike Holowaty John Nagle	
SPR- 3222	Dynamic Real-Time Routing for Evacuation Response Planning	12/11/2007	12/31/2010	SPR-II	\$100,000	Approved/Funded	Srinivas Peeta	Tommy Nantung Karen Stippich Mike Smith Lisa Best Guy Boruff Tom Vanderpool Jay Wasson Pam Chase Greg Hall Roger Koelpin	
SPR- 3223	Long-Term Behavior of Integral Abutment Bridges	8/23/2007	4/30/2011	SPR-II	\$205,123	Approved/Funded	Robert Frosch	Scott Newbolds Keith Hoerschemeyer Jim Reilman Ron McCaslin Jaffar Golkhajeh David Andrewski	

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SPR- 3224	Analysis of Change Orders in Geotechnical Engineering Work at INDOT	12/11/2007	6/30/2010	SPR-II	\$115,560	Approved/Funded	Monica Prezzi Bob McCullouch	Daehyeon Kim Keith Hoerschemeyer Tom Harris Nayyar Zia-Siddiki Jeff Stahl	
SPR- 3225	Assessment of Geogrids Used in Roadways	10/23/2007	10/31/2009	SPR-II	\$50,000	Approved/Funded	Dae Hyeon Kim Nayyar Zia-Siddiki Som Hiremath	David Unkefer Tom Harris Todd Shields Enass Zayed	
SPR- 3226	Unit Hydrograph Parameter Determination for Indiana Watersheds	7/10/2007	7/31/2009	SPR-II	\$103,354	Approved/Funded	S.R. Govindaraju Venkatesh Merwade	Scott Newbolds Dan Ghere Merril Dougherty David Finley David Knipe William Schmidt Micheal Wampler	
SPR- 3227	Classification of Marl Soils	12/11/2007	8/31/2009	SPR-II	\$75,431	Approved/Funded	Antonio Bobet Daehyeon Kim Nayyar Zia-Siddiki	Kulanand Jha Cliff Johnston	
SPR- 3228	Effectiveness and Service Lives/Survival Curves of Various Pavement Treatment	12/11/2007	6/30/2009	SPR-II	\$100,000	Approved/Funded	John Haddock Fred Mannering	Samy Noureldin David Unkefer Steve Thieroff Bill Flora Todd Shields Mike Byers David Andrewski	
SPR- 3229	Truck Travel Characteristics as an Indicator of System Condition and Performance	12/11/2007	6/30/2010	SPR-II	\$150,000	Approved/Funded	Kumares Sinha	Samy Noureldin David Franklin Kirk Mangold Andrew Fitzgerald Greg Katter Pankaj Patel Keith Bucklew Brad Steckler	

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SPR- 3230	Travel Time Reliability	4/1/2007	12/31/2008 8/31/2009	SPR-II	\$75,000	Approved/Funded	Kumares Sinha Fred Mannering	Samy Noureldin Karen Stippich Brad Steckler Andrew Fitzgerald Greg Katter Bill Flora Karl Leet	
SPR- 3235	Refine Process to Identify, Evaluate and Adopt New Proven Technologies for Indiana	12/11/2007	12/31/2009	SPR-II	\$91,230	Approved/Funded	Joe Sinfeld	Samy Noureldin David Unkefer Michael Milligan Kenny Anderson Kumar Dave Barry Partridge	
SPR- 3237	Synthesis Study: Development of an Electronic Detection and Warning System to Prevent Over-height Vehicles from Impacting Overhead Bridges	12/11/2007	12/31/2008	SPR-II	\$30,000	Approved/Funded	Joe Sinfeld	Scott Newbolds Keith Hoerschemeyer Jim Mickler Bill Dittrich Badar Khan	
SPR- 3249	Improving Safety in High Speed Work Zones: A Super 70 Study	8/8/2007	4/15/2009	SPR-II	\$91,047	Approved/Funded	Andrzej Tarko	Samy Noureldin Guy Boruff Jay Wasson Meggan Simpson Greg Kicinski Donn Klepinger Kimberly Peters	
SPR- 3260	Potential Implementation of Pre-Cast Concrete Piles in Place of Steel Piles in Indiana	7/1/2007	12/31/2008	SPR-II	\$30,000	Approved/Funded	Daehyeon Kim	Mir Zaheer Nayyar Zia-Siddiki Don Leonard	
SPR- 3261	Implementation of Laterally Loaded Piles in Multi-Layer Soils	5/30/2008	8/31/2009		\$63,898	Approved/Funded	Rodrigo Salgado Monica Prezzi	Daehyeon Kim Keith Hoerschemeyer Mir Zaheer	
SPR- 3262	Development and Hosting of the Indiana Sensitive Areas Map	3/10/2008	12/31/2008	SPR-II	\$7,500	Approved/Funded	Bernard Engel	Karen Zhu Mike Bowman Bill Fielding	

RESEARCH PROJECT MONITORING SCHEDULE

<i>Project Number</i>	<i>Project Title</i>	<i>Date Approved</i>	<i>Completion Date</i>	<i>Funding Source</i>	<i>Project Cost</i>	<i>Project Status</i>	<i>Principal Investigator</i>	<i>SAC Members</i>	<i>Comments</i>
SPR- 3270	Implementation of Bypass and Full Flow Bypass Oil Filtration for INDOT Heavy Duty Vehicles	8/1/2007	7/31/2009	SPR-II	\$48,970	Approved/Funded	Bob McCullouch Sedat Gulen	Barry Partridge Matt Frazer Otis Carter Samy Noureldin	
SPR- 3274	Evaluation of the GRIP-RT3 Continuous Friction Measuring Device: An Implementation Project	11/15/2007	6/15/2008 4/15/2009	SPR-II	\$35,729	Approved/Funded	Shuo Li Bob McCullouch	Scott Newbolds Aaron Ping Kirk Carpenter	
SPR- 3276	Evaluation of Toxicity Analysis for Foundry Sand Specifications	6/1/2008	9/30/2008	d Implerr	\$15,485	Approved/Funded	Kathy Banks Paul Schwab	Barry Partridge Dae Hyeon Kim Nayyar Zia-Siddiki Ken McMullen Blake Jeffery Tracy Barnes	
SPR- 3303	Schedule and Route Software Program for Snow and Ice Removal Activities	11/25/2008	12/31/2010	SPR-II	\$150,000	Approved/Funded	Bernard Engel Larry Theller	Tommy Nantung Tom Konieczny Dennis Belter Bob McCullouch Greg Ellis Joel Bump	
SPR- 3309	Using Recycled Concrete as Aggregate in Concrete Pavements to Reduce Materials Cost	11/25/2008	4/30/2011	SPR-II	\$157,901	Approved/Funded	Nancy Whiting Jan Olek	Tommy Nantung Ron Walker Mike Byers	
SPR- 3312	Identification and Implementation of Best Management Practices for Erosion and Sediment Control that Conforms to Indiana Stormwater Quality Regulations and Guidance	10/1/2008	3/31/2010	SPR-II	\$158,614	Approved/Funded	Lynn Corson	Barry Partridge Janice Osadcuk Michelle Allen Randy Braun Paul Berebitsky Mike Bowman Krystal Cornett Ron Heustis Gary Mroczka Todd Shields Tom Harris Mark Miller Tom Vanderpool Clint Bryant	Nathan Saxe

Wednesday, November 26, 2008

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SPR- 3315	Identifying Traffic Safety Needs - A Systematic Approach	9/1/2008	8/31/2010	SPR-II	\$121,718	Approved/Funded	Andrzej Tarko	Shuo Li Barry Partridge Brad Steckler John Nagle	
SPR- 3316	Analysis and Methods of Improvements of Safety at High-Speed Rural Intersections	9/1/2008	8/31/2010	SPR-II	\$107,947	Approved/Funded	Andrzej Tarko	Shuo Li Barry Partridge Brad Steckler John Nagle	
SPR- 3317	Cost Reductions in INDOT Geotechnical Site Investigation and Design through the Development of SPT-Torque Test Shear Strength Correlations for Glacial Till	9/30/2008	9/30/2011	SPR-II	\$198,947	Approved/Funded	Rodrigo Salgado Monica Prezzi	Tommy Nantung Keith Hoernschemeyer Athar Khan Nayyar Zia-Siddiki	
SPR- 3319	Assessment of the Performance of MSE Abutment Walls in Indiana	11/25/2008	10/30/2011	SPR-II	\$185,350	Approved/Funded	Monica Prezzi Rodrigo Salgado	Tommy Nantung Keith Hoernschemeyer Nayyar Zia-Siddiki Naveed Burki	
SPR- 3370	Construction of Embankments and Fills Using Tire Shreds as a Lightweight Material	7/28/2008	8/31/2009	Impleme	\$35,000	Approved/Funded	Monica Prezzi Nayyar Zia-Siddiki	Tommy Nantung	
SPR- 3371	Construction of Embankments and Fills Using Ash	8/13/2008	11/30/2009	SPR-II	\$35,000	Approved/Funded	Monica Prezzi	Tommy Nantung Nayyar Zia-Siddiki	
FHWA- 9979022	Design, Construction, and Evaluation of Fiber-Reinforced Polymer Decks for Bridge Rehabilitation	6/1/2003	11/30/2005 5/31/2006 11/30/2006 5/31/2007 11/30/2007 7/31/2010	FHWA	\$165,000	Approved/Funded	Elisa Sotelino Judy Liu	Tommy Nantung Keith Hoernschemeyer George Snyder	