

Project #	Research Project Title	Submitter	P.I.	Co-PI	7/12/2019
930-947	Application for WIM and Permit Data	AU	Dr. Andrzej Nowak	Mr. Michael Stallings	
930-936	Comprehensive Investigation of Bike Crash Causes, Patterns and Countermeasures in Alabama	UAH	Dr. Kirolos Haleem		
930-932	Development of a Means to Calculate Project-Specific Liquidated Damages	AU	Dr. Wesley Zech		
930-925	Analysis and potential solutions to sediment	AU	Dr. Jose Vasconcelos		
930-915	Active Work Zone Safety Using Emerging Technologies	UA	Dr. Eric Marks		
930-916	"Simplified and Standardized Seismic Designed and Detailing for Alabama Bridges"	AU	Dr. Justin Marshall		
930-914	Distracted Driving Translational Research for Injury Prevention (TRIP) Laboratory	UAB	Dr. Despina Stavrinou		
930-900	Measurement of Bridge Deck Layout Prior to Concrete Placement	UA	Dr. Jim Richardson		
930-896	Maintenance Activity Data Analysis for Performance Based Budgeting	UA	Dr. Stephanie C. Vereen		
930-893	Alabama Statewide Mobility Report 2014	UA	Dr. Alex Hainen		
930-891	Plastic Pipe for Highway Construction - Phase 2	AU	Dr. James S. Davidson		
930-889	Permit Load Model of a Flat Slab Bridge	UA	Dr. Andrzej S. Nowak		
930-879	End Zone Design for Alabama Deep Pre-Stressed Girders	UA	Dr. Wei Song		
930-870	WIM-Based Live Load For Alabama Bridges	AU	Dr. Andrzej S. Nowak		
930-869	Evaluation of Sediment Barriers Using Large-Scale Testing Techniques & Small-Scale Performance Evaluations of Geotextiles Used in Silt Fence Applications Report No. 2	AU	Dr. Zech	Dr. Wesley Donald	
930-865R	Self-Centering Connections for Traffic Sign Structures	UAH	Dr. Ying-Cheng Lin		
930-863	Evaluation of High-Rate Settling Technology	AU	Dr. Jose Vasconcelos		
930-861	Comparative Evaluation of Concrete Bridge Deck Sealers	UA	Dr. Eric Giannini		
930-860R	Temperature Control Requirements for the Mass Concrete	AU	Dr. Schindler		
930-859	Experimental Validation of Analysis Methods	AU	Dr. Justin D. Marshall		
930-858	Load Rating of Bibb Graves Concrete Arch Bridge	AU	Dr. J. Michael Stallings		
930-856R	Reducing Crashes Caused By Drowsy Driving Focusing On Drowsy Driving Warning Signs & Roadside Rest Area Signs	USA	Dr. Min-Wook Kang		
930-853R	Evaluation of Inlet Protection Practices Using Large Scale Testing Techniques	AU	Dr. Wesley Zech		
930-845	Alabama Department of Transportation Economic Sustainability	UA	Dr. Robert Batson		
930-839R	Investigation of Pile Setup (Freeze) in Alabama, Development of a Set-Up Prediction Method and Implementation into LRFD Driven Pile Design-Addendum: Pile Driving Vibration Monitoring of the Future Mobile River Bridge Project	USA	Dr. Eric Steward		
930-837R	Monitoring the Effects of Birmingham Northern Beltline etc	AU	Dr. Jose G. Vasconcelos		
930-836	Natural Gas Encasement for Highway Crossings	UA	Dr. Ken Fridley		
930-833	Evaluation of Origin-Destination Matrix Estimation Techniques to Support Aspects of Traffic Modeling	UAH	Dr. Michael Anderson	Dr. Jeffery Wilson	
930-826R	Evaluation of ALDOT Ditch Check Practices Using Large-Scale Testing Techniques	AU	Dr. Wesley Zech	Dr. Xing Fang	
930-819	Revenue Enhancement Alternatives for the ALDOT	UA	Dr. Jay Lindly	Dr. Yingyan Lou et al	
930-808	Alabama Department of Transportation: Research and Development 2011 Peer Exchange	UAB	Dr. Fouad Fouad		
930-803	Update of Bridge Design Standards in Alabama for AASHTO LRFD Seismic Design Requirements	AU	Dr. Justin Marshall	Dr. J. Brian Anderson	
930-802	Effectiveness of Silane in Mitigating Alkali-Silica Reaction in the Bibb Graves Bridge	AU	Dr. Anton Schindler	Dr. Robert Barnes	
930-799	Implementation of Self-Consolidation Concrete for Pre-Stressed Applications-Phase II: Bridge Construction and In-Place Performance	AU	Dr. Robert Barnes		
930-798	GeoGIS Phase III	UA	Dr. Andrew Graettinger	Dr. Randy K. Smith	
930-793	Development of Alabama Traffic Factors for Use in Mechanistic-Empirical Pavement Design	AU	Dr. Rod E. Turochy	Dr. Timm	
930-792	Introduction to Mechanistic-Empirical (M-E) Design Short Course	AU	Dr. David Timm	Dr. Rod Turochy	
930-791	Assessing Performance Characteristics of Sediment Control Basins Constructed in Franklin County	AU	Dr. Xing Fang	Dr. Wesley Zech	
930-789	Evaluation of Scour Potential of Cohesive Soils-Phase 2	AU	Dr. J. Brian Anderson		
930-776	Stability of Highway Bridges Subject to Scour Phase IV	AU	Dr. James Davidson		
930-769	Upgrade of Axially Loaded Pile-Soil Modeling with the Implementation of LRFD Design Procedure	UAH	Dr. Mohamed Ashour	Amr Helal	
930-768	Methods for Forecasting Freight in Uncertainty	UAH	Dr. Phillip A. Farrington	Dr. Gregory A. Haris	
930-766	Development of an Integrated Economic, Land Use and Transportation Forecasting Model for the State of Alabama	AU	Dr. Michael Clay		
930-764R	Field Control and Performance of Asphalt Mixtures Containing Greater than 25 Percent Reclaimed Asphalt Pavement	NCAT	Dr. Fabricio Leiva		
930-758	Pavement Condition Model Based on Automated Pavement Distress Surveys	NCAT	Dr. David Timm	Dr. Rod Turochy	
930-749	Analysis of Traffic Impacts for Rapid Bridge Deck Replacement Projects	AU	Dr. Rod E. Turochy		
930-742	Bridge Deficiency Metric Refinement: Longer Term Planning for State-and-Locally-Owned Bridges	UTCA	Dr. David Hale	Dr. J. Brandon Haynie	
930-741	Evaluation of Public Private Partnership Proposals	UTCA	Dr. Qingbin Cui	Dr. Jay K. Lindly	
930-738	Implementation of Self-Consolidating Concrete for Prestressed Applications-Phase I: Girder Fabrication and Pre-Erection Performance	AU	Dr. Robert Barnes		
930-734	Bridge Monitoring – Applications for Alabama	AU	Dr. J. Michael Stallings		
930-725	Rapid Bridge Deck Replacement - Phase 3	AU	Dr. G. Ed Ramey	Dr. Wesley Zech	

930-722R	Feasibility Study Guideline for Public Private Partnership Projects: Volumes I and II	UA	Dr. Qingbin Cui	Dr. Jay Lindly
930-721	Work Zone Lane Closure Analysis Model	UTCA	Dr. Robert G. Batson	
930-718	Plastic Pipe for Highway Construction	AU	Dr. James Davidson	
930-717	Alabama Warm Mix Asphalt Field Study	NCAT	Dr. Andrea Kvasnak	Brian Prowell
930-703	Development of Multi-media Resource & Short Courses for LRFD Design	UAH	Dr. Houssam Toutanji	
930-698	Establishing Performance Measures for Alabama's Transportation System	UAH	Dr. Gregory Harris	
930-697	Development of a Method to Forecast Freight Demand Arising from the Final Demand Sector and Examination of Federal Data to Analyze Transportation Demand for Local Area Through Trips	UAH	Dr. Michael Anderson	Dr. Gregory Harris
930-687	Determination of Hurricane Surge Wave Forces on Bridge Superstructures and Design/Retrofit Options to Mitigate or Sustain These Forces	Auburn	Dr. G. Ed Ramey	Joel G. Melville
930-685	Guidance For M-E Pavement Design Implementation	Auburn	Dr. David Timm	
930-682	FAF2 Pilot Project - Utilization of FAF2 Data by State and Local Governmental Agencies	UAH	Dr. Gregory Harris	Dr. Michael Anderson
930-674	Stability of Highway Bridges Subject to Scour, Phase III, Part II- Screening Tool Automation	Auburn	Nicole Donnee	Mary Hughes
930-674	Stability of Highway Bridges Subject to Scour - Phase III, Part I – "ST" Expansions, Refinements & Tier 2 Screening	Auburn	G. Ed Ramey	Dan Brown
930-671A	Phase 2: Location Tracking of Test Vehicles for Bridge Load Rating	UAB	Dale Callahan	Josh Jackson
930-670	Development of a Dynamic Traffic Assignment Model to Evaluate Lane-Reversals Plans for I-65	UAB	Dr. Virginia Sisiopiku	Dr. Andrew Sullivan
930-669	Feasibility of Developing a Pilot Car Training and Certification Program in the State of Alabama	UA	Dr. Jay Lindly	Dr. Steven Jones
930-661	Bridge Health Monitoring Metrics: Updating the Bridge Deficiency Algorithm	UTCA	Dr. James Richardson	Dr. David Hale
930-657	PVA Fiber Reinforced Shotcrete for Rehabilitation and Preventative Maintenance of Aging Culverts	Auburn	Dr. James Davidson	
930-656	Development of a Procedure for Updating Liquidated Damage Rates Used in ALDOT Construction Contracts	Auburn	Dr. Wesley Zech	
930-655	Development of a Test Facility to Evaluate the Optimal Design of BMPs for Managing Environmental Problems at Construction Sites	Auburn	Dr. Wesley Zech	Dr. T. Prabhakar Clelment
930-653	Evaluation of Double Drop Beads Pavement Edge Lines	Alabama	Dr. Jay Lindly	Ayse Narci
930-649	Updating the School Bus Standard Vehicle for Load Rating Alabama Bridges	UTCA	Dr. Jim Richardson	
930-648	Internet Based Travel Surveys	UAH	Dr. Michael Anderson	
930-647	GeoGIS, Phase II	UA	Dr. Andrew Graettinger	
930-645	Evaluation of Cracking on the U.S. 331 Bridge Deck	Auburn	Dr. Anton Schindler	Ms. Mary Hughes
930-644	Evaluation of Scour Potential of Cohesive Soils	Auburn	Jack Mobley	Dr. Joel Melville
930-637P	2006 NCAT Pavement Test Track	NCAT	Dr. Richard Willis	Dr. David Timm
930-635	An Evaluation of the Benefits of the Alabama Service and Assistance Pool	Auburn	Dr. Rod Turochy	Dr. Steve Jones
930-634R	Enhancement of the Training Program of the Alabama Department of Transportation	UTCA	Dr. Carolyn Dahl	Dr. Dan Turner
930-631	Stone Skeleton Asphalt: (Phases II and III) Field Trial, U.S. 331, Luverne, AL	NCAT	Graham Hurley	Brian Prowell
930-622	Development and Presentation of a Roadway and Roadside Design Course	AU	Dr. Robert Vecellio	Dr. Brian L. Bowman
930-615P	Laboratory Refinement and Field Validation of 4.75mm Superpave Designed Asphalt Mixtures	NCAT	Dr. Randy West	
930-610	Monitoring of Bridge Stability due to Scour using Remote and Low-Cost Optical Sensors	Alabama A&I	Dr. Mohamed Saafi	
930-607B	Development of Cost-Effective VARTM Technology	UAB	Dr. Nasim Uddin	
930-607A	Development of Cost-Effective VARTM Technology for Repair and Strengthening - Phase 2	UAB	Dr. Nasim Uddin	Mr. Stephen Cauthern
930-602	Performance of Self-Consolidating Concrete in Prestressed Girders	Auburn	Dr. Anton Schindler	Dr. Robert Barnes
930-601	Repaired Pre-stressed Concrete Bridge Girders Reports (2 Reports total)	Auburn	Dr. Anton Schindler	Dr. Robert Barnes
930-599	Utilization of Automation and Real-Time Testing to Improve QC/QA Procedures for Hot Mix Asphalt	NCAT	Dr. Randy West	Ms. Pamela Turner
930-598	Pavement Management System Review	UTCA	Dr. David Hale	Dr. Shane Sharpe
930-596	Transportation Network Planning: Data Gathering, Analysis Methodology Development and Visualization	UTCA	Dr. David Hale	Dr. Shane Sharpe
930-595P	National Center for Asphalt Technology Pavement Test Track Study	NCAT	Dr. Buzz Powell	Dr David Timm
930-582	Modeling Support for Alabama MPOs	UAH	Dr. Michael Anderson	
930-563	Research on Curved Composite Box Girder Bridges	Auburn	Dr. Chai Yoo	
930-554	Analysis of the 2002 Design Guide for Rigid Pavement Structures	Auburn	Dr. David Timm	William Barrett
930-547	Evaluation of Bond Strength Between Pavement Layers	NCAT	Dr. Ray Brown	L. A. Cooley, Jr
930-545	511 Traveler Information: Potential Applications in Alabama	Alabama	Dr. Jay Lindly	
930-537	Development of a Non-Solvent Based Test Method for Evaluating Reclaimed Asphalt Pavement Mixtures	NCAT	Dr. Mary Stroup-Gardiner	
930-466	Repair of the Uphapee Creek Bridge with FRP Laminates	Auburn	Mr. Robert Barnes	
930-436	Rapid Rehabilitation / Replacement of Bridge Decks - Phase II	NCAT	Dr. Elton R. Brown	
930-431	Retrofit of Sign Structures with Variable Message Sign (VMS) Panels	Auburn	Dr. Michael Stallings	
930-425	Design of Drilled Shafts in Rock for Lateral Loading	Auburn	Dr. Dan Brown	
930-424	Drilled Shaft Foundation Research Including Statnamic Lateral Load Tests	Auburn	Dr. Dan Brown	
930-419	Synthesis, Evaluation and Anaysis of Data from SHRP LTPP Studies in AL, GA, TN and MS	Auburn	Dr. Frazier Parker	Jiansheng Song
930-373	High Performance Concrete Bridge Showcase	Auburn	Dr. J. Stallings	
930-370P	Southeast Superpave Center	NCAT	Donald Watson	

930-341 Rehabilitation of a Reinforced Concrete Bridge Using Fiber Reinforced Plastic (FRP) Laminates

Auburn

Dr. Joseph Tedesco

Dr. J. M. Stallings