

2017 UTRAC Selected Research Projects Pending FHWA Approval

Group 1 - Materials and Pavements

Number	Name	Source	Research PM
17.01.01	Evaluation of Equipment to Determine the Flexibility Index of Asphalt Mixtures	UU	Jason Richins
17.01.02	IFIt SemiCircular Bending Ruggedness Study	CMETG	Jason Richins
17.01.05	Evaluating Commercial Deck Repair Materials	USU	Jason Richins

Group 2 - Maintenance

Number	Name	Source	Project Mgr
17.02.01	Esri Insights: Leveraging Spatial Data to Empower Decisions	UDOT	Jason Richins
17.02.06	Update of the Class 8 Truck Study to Reflect Changes in FY 2017	UU & UDOT	Jason Richins
17.02.13	Exploring Potential New Features for Rest Areas in Utah	USU	Patrick Cowley
17.02.14	Find a Motorcycle Friendly Crack Sealant	UDOT	Vincent Liu
17.02.15	Building on AZDOT's Standard Plowable Pavement Marker Installation in Reg 4	UDOT	Jason Richins

Group 3 - Traffic Management & Safety

Number	Name	Source	Project Mgr
17.03.03	Driver Compliance at Enhanced Pedestrian Crossings in Utah	RSG & BYU	Kevin Nichol
17.03.04	Analysis of Performance Measures of UDOT's Traffic Incident Management Program	BYU	Kevin Nichol
17.03.05	Pedestrian Signal Safety for Older Pedestrians	BYU	Kevin Nichol
17.03.06	Analysis of Decision Boundaries for Left-Turn Treatments	BYU	Kevin Nichol
17.03.09	Evaluation of the Intersection Configurations on Protected Bike Lanes: A Case Study	UU & SL City	Kevin Nichol
17.03.11	Surveying Non-Motorized Travel Behavior at Grade Rail Crossings	Active Planning	Kevin Nichol
17.03.14	Field Comparison of 3M Series 90 Wet Reflective Elements with 3M Stamark Series 380 AW Tape	UDOT	Jason Richins

Group 4 - Structures & Geotechnical

Number	Name	Source	Project Mgr
17.04.01	Study of Bridge End Differential Settlement Mitigation Techniques	UDOT	David Stevens
17.04.02	Probabilistic Liquefaction Triggering and Lateral Spread Hazard Maps	UU & BYU	David Stevens
17.04.04	Lateral Pile Resistance for Fixed-Head Piles Near MSE Walls	BYU	David Stevens

Group 5 - Preconstruction

Number	Name	Source	Project Mgr
17.05.01	Effective Preconstruction Scheduling	UDOT & ZAACT	David Stevens

Group 6 - Planning

Number	Name	Source	Project Mgr
17.06.02	Exploratory Modeling and Analysis for Automated Vehicles in Utah	RSG & UU	Kevin Nichol
17.06.08	Accessibility as a Decision-Making Tool	UW	Kevin Nichol

Group 7 - Data Analytics

Number	Name	Source	Project Mgr
17.07.06	Big Transportation Data Analytics	RSG & UU	Jason Richins
17.07.08	Cash Flow Forecasting - TIF	UDOT & Vanguard SW	David Stevens

Group 8 - Public Transportation

Number	Name	Source	Project Mgr
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(Waiting for UTA Funding Decision)