2015 Research Projects Pending FHWA Approval

Group 1 – Materials and Pavements

Number	Name	Source	Research PM
15.01.02	Performance Related Specifications for Asphalt Pavements Using BBR	UU	Kevin Nichols
15.01.05	Accuracy of In-Situ Water-to-Cement Meters for Concrete	UU	David Stevens
15.01.07	Asphalt Mix Fatigue Testing using the SCB/AMPT -- Phase II	CMETG	Kevin Nichols
15.01.04	Bridge Deck Concrete Surface Resistivity for Performance Based Tests	USU	Tom Hales

Group 2 - Maintenance

Number	Name	Source	Research PM
15.02.02	Safe Driving Limits for Snow Plow Operations (Time Limits)	UDOT	Tom Hales
15.02.01	Plowable Pavement Markings under Wet-night Road Conditions	UDOT	Tom Hales
15.02.05	IT Infrastructure Preparedness Review	UDOT	Jason Richins
15.02.10	Tools for Reducing Wildlife Vehicle Collisions	UDOT	Jason Richins
15.02.8	Hotspot and Sampling Analysis for Effective Maintenance Management and Performance Monitoring	UDOT/UU	Jason Richins

Group 3 – Traffic Management and Safety

Number	Name	Source	Research PM
15.03.06	Analysis of Access Management Impacts in Utah	BYU	Kevin Nichols
15.03.07	Evaluation of Wrong Way Driving Detection	UDOT	Tom Hales
15.03.03	Measuring Pedestrian and Cyclist Exposure and Risk in High-Risk Areas	Active Planning	Jason Richins
15.03.04	Examining the Characteristics of Fatal Pedestrian Crashes	Active Planning	Kevin Nichols

Group 4 – Structures and Geotechnical

Number	Name	Source	Research PM
15.04.02	Simplified CPT Performance-Based Assessment of Liquefaction and Effects	BYU	Tom Hales
15.04.07	Cyclic lateral resistance of abutment piles near MSE walls	BYU	Jason Richins
15.04.08	21st South Seismic Station Upgrades and Research Opportunities	USU	Tom Hales
15.04.06	Passive force development for controlled low-strength material (CLSM) backfills	BYU	David Stevens

Group 5 – Preconstruction

Number	Name	Source	Research PM
15.05.02	Decision Tree Development for Drainage Pipe Replacement, Relining, or Localized Repair	USU/UDOT	Jason Richins

15.05.03	Testing New Technology Solutions to Restrict Wildlife Access to Highways	UDOT/USU	Jason Richins
15.05.01	Reducing Project Delays Due to Utility Relocations	UDOT	David Stevens

Group 6 - Planning

Number	Name	Source	Research PM
15.03.11	Safety Index Forecast Model	RSG	Kevin Nichols
15.06.02	Measuring Systemic Impacts of Bike Infrastructure Projects	Active Planning	Tom Hales
15.06.01	Key Enhancements to the WFRC/MAG Four-Step Travel Demand Model	UU	Kevin Nichols