

Status of FY 14/15 Projects
As of 10/2/2014

Project Number	Project Title	Project Status
CST-15-01	Updated Evaluation of the FDOT Design-Build Program	Approved – scope under review
D4-15-02	Manual on Performance of Traffic Signal Systems: Assessment of Operations and Maintenance	Executed – BDV27 977-05
D5-15-01	Dynamic Flashing Yellow Arrow (FYA) – A Study on Variable Left Turn Mode Operational and Safety Impacts – Phase II Model Expansion and Testing	Funded in FY 13/14
GEO-15-01	Effect of Polymer Slurry Stabilization on Drilled Shaft Side Shear Over Time	Approved
GEO-15-02	Statistical Evaluation of Florida Sinkhole Depth and Diameter	Pending Further Review
GEO-15-03	Field Testing and Calibration of the Vertical Insitu Permeameter (VIP)	Funded in FY 13/14
GEO-15-04	Detection of Sinkholes or Anomalies Using Full Seismic Wave Fields (Phase 2)	Pending Execution – BDV31 977-29
GEO-15-05	Evaluating Effect of Temporary Casing on Drilled Shaft Rock Socket Friction (Phase 1)	Approved
GEO-15-06	Implementation of Down-Hole Geophysical Testing for Rock Sockets	Approved – scope under review
MNT-15-01	Assessment of Solar Photovoltaic Potential at FDOT-Owned Assets	Pending Further Review
MNT-15-02	Permit Super Loads Distribution through Soils	Approved
MNT-15-03	Wildflower Reseed Site Comparison	Approved – scope under review
SMO-14-09	Fast Track Concrete Pavement Repair	Funded in FY 13/14
SMO-14-15	Effects of Chemical and Mineral Admixtures on the Reaction Kinetic of Portland Cement	Funded in FY 13/14
SMO-14-18	Evaluation of Shelf Life in Post-Tensioning Grouts	Pending Execution – BDV31 977-31
SMO-14-21	Improved Protection of Adjacent Concrete Slabs During Slab Replacement	Approved
SMO-15-01	Automated Identification and Quantification of Flexible and Rigid Pavement Distresses	Approved – scope under review
SMO-15-02	Impedance-Based Detection of Corrosion of Post Tensioned Cables – Continuation	Approved
SMO-15-03	Evaluation for Corrosion Coatings for Steel Components of Highway Bridges (Phase 2)	Approved

SMO-15-04	Evaluation of Reflective Cracking Mitigation Treatments Using the Composite Specimen Interface Cracking Test	Pending Further Review
SMO-15-05	Degradation Mechanisms of the Components of Fiber Reinforced Polymer (FRP) Rebar (Phase 2)	Approved
SMO-15-06	Quantitative Mineralogical Characterization of Cementitious Materials using Advance Rietveld Analysis and Microstructural Analysis of Composite Images Obtained from Energy Dispersive X-ray Spectroscopy	Executed – BDV25 977-15
SMO-15-07	Use of Recycled Concrete as Coarse Aggregate in Concrete Pavement	Pending Further Review
SMO-15-08	Effects on Laboratory Asphalt Mixtures Performance of Chemical Additives Used as Compaction Aids and Warm Mix Additives	Withdrawn
SMO-15-09	Impact of Recycled Shingles on Asphalt Mixture Performance	Approved
SMO-15-10	Relationship of Asphalt Mixture Density and Air Void Distribution to Cracking and Rutting Performance	Pending Further Review
SMO-15-11	Optimized Mobile Retroreflectivity Unit (MRU) Data Processing Algorithms	Funded in FY 13/14
SMO-15-12	Database of Concrete Mix Designs for Use in Long-Life Concrete Pavements	Not Approved
SMO-15-13	Improved Analysis Tool for Concrete Pavement	Pending Execution – BDV31 977-30
SMO-15-14	Performance Measures for Sustainable Pavement Asset Management	Not Approved
SMO-15-15	Implementation of Emerging Technologies in the Steel Bridge Industry	Pending Further Review
STR-15-01	Bridge Alternatives for Extremely Aggressive Environments	Approved
STR-15-02	Prestressed Girder Enhancement Utilizing Strand Anchorage	Approved
PLN-15-01	Policy Implications of Automated Vehicle Technology	Funded in FY 13/14
PLN-15-02	Applications of Automated Vehicles for Movement of Freight	Funded in FY 13/14
PLN-15-03	Operations of Automated Vehicles within a Limited Boundary: Safety and Efficiency Impacts	Funded in FY 13/14
SFTY-15-01	Florida Naturalistic Bicycle Study	Funded in FY 13/14

SFTY-15-02	Investigation of Bike Crash Causes, Patterns, and Countermeasures	Approved
SFTY-15-03	Safety Effectiveness of Red Light Camera Programs In Florida	Pending Further Review
SFTY-15-04	Measurements and Evaluation of Visual Performance of Led Roadway Lighting in Florida	Approved
SFTY-15-05 and TEO-15-01	Understanding Fatal Motorcycle Crashes in Horizontal Curves and Development of Effective Countermeasures	Approved
SFTY-15-06	Assessment of the Impact of Emerging Eco-driving Apps to Florida Highway Systems	Pending Further Review
TEO-15-02	Accuracy, Consistency, and Reliability of Raw Traffic Data from Vehicle Detection Systems	Approved
TEO-15-03	Utilization of Connected Vehicle Data to Support Traffic Management Decisions	Pending Further Review
TEO-15-04	Potential Safety Impacts of Complex Interchanges	Pending Further Review
TEO-15-05	Impact of Incomplete Information on Express Lane Operation	Approved