

Goal #1: Implement policies and projects designed to reduce or eliminate the impacts of hazards on people and property.

Mitigation Action	Hazard(s) Addressed	Priority	Category	Goal #	Estimated Cost	Potential/ Current Funding Sources	Lead Agency or Department Resources	Implementation Schedule	Implementation Status	Milestones Achieved, Impediments to Implementation	2018 Status
Regional Food and Agriculture Criticality Assessment: A multi-state 3-year project utilizing the DHS-developed Food and Agriculture Sector Criticality Assessment Tool (FASCAT)	Hazardous Materials	Moderate	Prevention; Property Protection; Natural Resource Protection	1	No cost determination at present	Department of Homeland Security SHSP grant FY08	Clemson University Livestock-Poultry Health (CULPH)	Grant goal of collection of state food and agriculture sector data was completed	Ongoing, as able – data may be used in future DHS Data Calls	Database of SC food and ag sector businesses completed July, 2011	Delete
SC Ag-Watch Project: Educate SC Livestock and Poultry Producers foreign and emerging animal diseases (FAED) and biosecurity procedures: Develop and implement an animal health emergency reporting diagnostic system.	Hazardous Materials, Disease Outbreak, Terrorism	High	Property Protection, Prevention	1	Total cost undetermined	DHS SHSP grants FY07, FY08, FY09, FY15; Confined Animal Manure Management permitting system; USDA Cooperative Agreement; existing operating budgets	Clemson University Livestock-Poultry Health (CULPH)	FY08 and FY09 Grants to be completed in 2012	Ongoing	Classes for animal producers held each year; 2016 updated SC Ag-Watch Manual, distributed to producers and stakeholders. Animal Health Emergency Reporting Database System (USAHERDS) is used to manage animal health investigations and incidents. There is always a need to improve data systems, so SC partners with other states using HERDS to	Updated and Ongoing

										purchase upgrades when needed.	
Animal Disease Traceability Project	Disease Outbreak, Terrorism, Hazardous Materials	High	Property Protection, Prevention	1	Total cost undetermined	USDA Cooperative Agreement	Clemson University Livestock-Poultry Health (CULPH) - State Animal Health Authority	Ongoing	In progress	USDA Final Rule "Traceability for Livestock Moving Interstate" published January 9, 2013, has increased compliance. There is always some amount of resistance to traceability and the benefits need to be explained to some producers.	New
Register SC Livestock and Poultry Farms and Sites with CULPH	Hazardous Materials	High	Property Protection, Prevention	1	Total cost undetermined	US Department of Agriculture (USDA) Traceability Cooperative Agreement	Clemson University Livestock-Poultry Health (CULPH) - State Animal Health Authority	Ongoing, as able.	In progress	Current number SC premises registered = 5386. Impediments to Implementation: awaiting USDA Final Rule	Delete

Mid-Atlantic Secure Milk Supply project; Provide Continuity of Business for the dairy industry in the event of a Foot and Mouth Disease outbreak	Hazardous Material, Disease Outbreak, Terrorism	High	Property Protection, Prevention	1	Total cost undetermined	USDA Cooperative Agreement from 09-16; existing operating budgets	Clemson University Livestock-Poultry Health (CULPH); Agreement (MOU) between SC (Clemson University Livestock-Poultry Health) and several other states; a regional group based on national Secure Milk Supply and Secure Food Supply planning projects (poultry, pork, beef) to protect the nation's food supply and to protect vital industries and the economy.	Ongoing	In progress	SC dairies, dairy haulers and dairy processors have received training on biosecurity performance standards and how to implement them to prevent spread of disease. Once industry has been trained they need to continue training when there is staff turnover.	Updated and Ongoing
Continue development and refinement of campus-wide emergency management protocols	All Hazards	Moderate	Prevention, Property Protection, Emergency Services, Public Information	1		General Fund	College of Charleston			Preparation for all emergency management activities; Protect the lives of our employees and students from natural and man-made hazards.	Ongoing

Continue energy conservation retrofitting of college-owned facilities	All Hazards	High	Property Protection	1		General Fund, Grant Funding	College of Charleston	As resources are available		Improve air quality	Ongoing
Retrofit shelter facilities to include backup power and communication systems.	All Hazards	High	Emergency Services	1	\$500,000	Hazard Mitigation Grant Program, Pre Disaster Mitigation, Emergency Management Performance Grant, FEMA – All Hazards Emergency Operational Planning, Public Assistance (406 mitigation)	Department of Education	Dependant on funding	Facilities are owned by individual school districts, status can only be determined by surveying all 85 school districts.	2012 - Dependant on funding	Ongoing
Conduct natural hazard vulnerability assessment of all school facilities. Assessments should identify facilities facing a high and moderate level of vulnerability, and protective measures should be identified and implemented.	All Hazards	High	Prevention	1	\$500,000	Hazard Mitigation Grant Program, Pre Disaster Mitigation, Emergency Management Performance Grant, FEMA – All Hazards Emergency Operational Planning, Public Assistance (406 mitigation), Flood Mitigation	Department of Education	Dependant on funding	Facilities are owned by individual school districts, status can only be determined by surveying all 85 school districts. SCEMD will need to manage such a vulnerability assessment.	2012 - Districts are not required to conduct vulnerability assessments of schools. For vulnerability, refer to the State Hazard Mitigation Plan	Ongoing

						Assistance Program					
Retrofit shelter facilities to include backup power and communication systems.	All Hazards	High	Emergency Services	1	\$500,000	Hazard Mitigation Grant Program, Pre Disaster Mitigation, Emergency Management Performance Grant, FEMA – All Hazards Emergency Operational Planning, Public Assistance (406 mitigation)	Department of Education	Dependant on funding	Facilities are owned by individual school districts, status can only be determined by surveying all 85 school districts.	2012-Dependant on funding	Ongoing
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						Assistance (406 mitigation), Flood Mitigation Assistance Program					
Establish backup power (generators and hookups) for education / emergency response facilities.	Hurricanes, Tornado, Thunderstorm	High	Emergency Services	1	\$50,000	Hazard Mitigation Grant Program, Emergency Management Performance Grant, FEMA – All Hazards Emergency Operational Planning	Department of Education	Dependent on funding	Two of three phases complete. Phase three awaiting funding.	2012 - Two of three phases complete. Phase three awaiting funding.	Ongoing
Identify and retrofit state school bus maintenance shops. Actions could include the purchase of generators and/or the installation of generator “quick connects”, the modification of vulnerable roof design features, improvements to drainage systems, reducing fuel tank and storage vulnerability, and retrofitting communication towers.	All Hazards	Moderate	Property Protection	1	\$1,000,000	HMA grants, Economic Development Administration, PA, EMPG, SBA	Department of Education, Office of Transportation, Donald N. Tudor	Dependant on funding	Funding is needed to implement this action. Once funding for the action is received, implementation will begin.	2012 - Dependant on funding	Ongoing

Identify and retrofit state school bus maintenance shops. Actions could include the purchase of generators and/or the installation of generator “quick connects”, the modification of vulnerable roof design features, improvements to drainage systems, reducing fuel tank and storage vulnerability, and retrofitting communication towers.	All Hazards	Moderate	Property Protection	1	\$1,000,000	HMA grants, Economic Development Administration, PA, EMPG, SBA	Department of Education, Office of Transportation, Donald N. Tudor	Dependant on funding	Funding is needed to implement this action. Once funding for the action is received, implementation will begin.	2012-Dependant on funding	Ongoing
To provide retrofits that fortify existing homes thereby strengthening those homes against the high winds associated with hurricanes and wind storms.	Hurricane, high-wind storms and other natural disasters	High	Property Protection	1	\$4,000,000	HMGP, PDM, State appropriated dollars associated with the SC Safe Home Program	Department of Insurance	This is an ongoing grant program and any additional funds will be used to assist in the retrofit of homes. Due to an overwhelming interest in the program, there currently is a backlog of applications awaiting review by the Advisory Board.	Ongoing	To date, SC Safe Home has awarded more than 1,800 grants totaling more than \$7.5 million to retrofit and strengthen existing structures. SC Safe Home is a nationally recognized program and is, at this time the only active mitigation program in the US.	Ongoing

Install exterior generator docking stations at every owned DMV facility to ensure fastest return to operations after a natural disaster.	Flood, Hurricane, Tornadoes	High	Property Protection, Continued Services	1	\$1,710,00 (estimated at \$30K per 57 owned Facilities)	FEMA, Emergency Operational Planning, PDM, HMGP, EMPG, Homeland Security Grants, State Funding	Department of Motor Vehicles, Max Parmisani, Mobile (803) 429-0365, Office (803) 896-9891	We will start at the coastal branches and work our way inward to the upstate	Dependent on funding	Dependent on funding, but goal is to have every DMV (owned facility) accessible to accept generator power during a natural disaster for minimal down time.	New
Retrofit Region II (Florence) and Region III (Columbia) Hub Offices to withstand natural disasters and to serve as safe rooms/command centers in the event of disasters	Flood, Hurricane, Tornado	High	Property Protection	1	\$382,328	PDM, HMGP	Department of Natural Resources, Kevin Kibler 734-3965	(1) Florence construction start date was 8/26/2009; Florence construction completion date is projected to be 6/26/2010. (2) Columbia Region Hub Office project is currently on hold. (Due to budget related issues)	(1) Florence construction is progressing well and should easily meet its construction completion date deadline of June 26, 2010. (2) Columbia Region Hub Office project is currently on hold. (Due to budget related issues)	2017 - Completed	Updated and Ongoing
Upgrade all RWIS (Road Weather Information Systems) across the State with backup satellite communication capability	Snow/Ice Storms, Hurricanes	Moderate	Prevention, Emergency Services and Public Information	1	\$1,000 per site	FEMA- Emergency Operational Planning, PDM, HMGP, EMPG, Homeland Security Grants, State Funding	Department of Transportation	3-5 sites year one, 3-5 sites year two and each consecutive year until the state is sufficiently cover by RWIS stations.	Dependent on funding	2020 - Impediments, funding and permits.	Updated and Ongoing

<p>Install wind sensors on bridges located along coastal evacuation routes. These sensors will assist local agencies in determining when to shut down bridges to vehicular traffic due to high winds which may be hazardous to vehicles evacuating the coast.</p>	<p>Hurricane</p>	<p>Moderate</p>	<p>Emergency Services and Public Information</p>	<p>1</p>	<p>\$11,000 per site</p>	<p>FEMA – Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding</p>	<p>Department of Transportation</p>	<p>3-5 sites year one, 5-10 sites year two and each consecutive year until all bridges on coastal evacuation routes are equipped with wind sensors</p>	<p>Dependant on funding</p>	<p>2020 - Impediments, funding and permits.</p>	<p>New</p>
<p>Replace bridge, Dam Containment attached to bridge, and realign of roadway to intersection of SC 125 and S-03-17</p>	<p>Earthquake</p>	<p>High</p>	<p>Property Protection</p>	<p>1</p>	<p>\$3,000,000</p>	<p>FEMA – Emergency Operational Planning, PDM, HMGP, EMPG, Homeland Security Grants, State Funding</p>	<p>Department of Transportation</p>	<p>Dependent on funding</p>	<p>Dependent on funding</p>	<p>2020 - Impediments, funding and permits.</p>	<p>Updated and Ongoing</p>

Retrofit DOT Critical Facilities throughout the state to withstand hurricane winds and seismic disturbance	Hurricane, Earthquake	Moderate	Property Protection	1	Millions	HMA grants, Homeland Security Grants, EMPG, State Funding	Department of Transportation	FY2012	Dependent on funding	2020 - Impediments, funding and permits.	Updated and Ongoing
Retrofit 20 radio towers located in the Lowcountry and Pee Dee regions of the state.	Hurricane, Earthquake	Moderate	Property/ Equipment Protection	1	\$500,000	FEMA – Emergency Operational Planning, PDM, State Funding	Department of Transportation	Identify radio towers for retrofit action in 2008. Contract for design/rebuild /retrofit in late FY 2010	Dependent on funding	Funding currently unavailable	Updated and Ongoing

Utilize SCDOT Incidence Response personnel in evacuation assistance of coastal region	Hurricanes	Moderate	Emergency Services	1	Daily expenses – salary, vehicle, operation cot, lodging, meal allowance. Est. \$300 - \$400/day	HMA grants, Economic Development Administration, PA, EMPG, SBA	Department of Transportation	On standby when hurricane landfall predicted.	On standby when hurricane landfall predicted	2020 - Impediments: funding	Updated and Ongoing
Develop emergency “Lifelines” statewide	Earthquake and Hurricanes	Moderate	Property Protection	1	\$1,200,000	FEMA- Emergency Operational Planning, PDM, HMGP, EMPG, Homeland Security Grants, State Funding	Department of Transportation	2008 –Phase I finished; Proposal for Phase II if approved will cover the Lifelines for the entire state and will include Hurricane Evacuation too; Pending on approval of FEMA grant	Proposal sent to FEMA in January – waiting for proposal response	2020 - Impediments, funding and permits.	Updated and Ongoing
Clear and Maintain Stream Channels – Establish and implement emergency maintenance procedures for the removal of debris from bridges and culverts to decrease severity of flooding by downed trees, sediment deposits and other debris in stream and river channels that restrict the flow of water	Flooding	Moderate	Emergency Services	1	\$500,000	FEMA- Emergency Operational Planning, Flood Mitigation Assistance Program (projects, technical assistance), Natural Resource Conservation Service - Watershed Protection and Flood Prevention Program, Pre Disaster Mitigation, Hazard	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments: funding and permits.	Updated and Ongoing

						Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding					
Identify critical road drainage concerns in landslide-prone areas. Inspect and retrofit road drainage systems in landslide-prone areas, particularly culverts and culvert outfalls. Where potential slides are unavoidable, prepare design standards for culvert and drainage systems to accommodate passage of debris and water without loss of road profile	Landslides	Moderate	Property Protection	1	\$100,000	FEMA-Emergency Operational Planning, PDM, HMGP, EMPG, Homeland Security Grants, State Funding	Department of Transportation	Ongoing	Dependent on funding	2020 - Impediments, funding and permits.	Updated and Ongoing
Install RWIS (Road Weather Information Systems) across the State to assist maintenance offices during winter storms.	Snow/Ice Storms, Hurricanes	Moderate	Prevention, Emergency Services and Public Information	1	\$3,000 per site	FEMA-Emergency Operational Planning, PDM, HMGP, EMPG, Homeland Security	Department of Transportation	3-5 sites year one, 3-5 sites year two and each consecutive year until the state is sufficiently	Dependent on funding	2020 - Impediments, funding and permits.	Updated and Ongoing

						Grants, State Funding		cover by RWIS stations.			
District Five, Six, and Seven - Retrofit critical bridges and overpasses along I-26, US-52, SC-41, US-17, US-178, US-78, US-176, I-526 to withstand a significant seismic event in and around the Charleston, SC area.	Earthquake	Low	Property Protection	1	Billions of dollars	FEMA- Emergency Operational Planning, Hazard Mitigation Grant Program, Pre Disaster Mitigation, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependant on funding	2020 - Impediments, funding and permits.	New
Review application packages and issue permits for construction, repair, alteration, and removal activities.	Flood, Dam Failure, Hurricane, Seismic	High	Prevention	1	\$31,500	FEMA Non- Disaster Grant Funding and State Matching Money	DHEC – Dams and Reservoirs Safety Program	Immediate/on going		Generally the Department can adequately review an application within 60 days. However, as more existing dams age and near the end of their design lives additional permits are required creating additional permit reviews. 2018 - Ongoing	Ongoing

Perform inspections during and following construction repair, alteration and removal activities of regulated dams.	Flood, Dam Failure, Hurricane, Seismic	Moderate	Property Protection	1	\$2,500	FEMA Non-Disaster Grant Funding and State Matching Money	DHEC – Dams and Reservoirs Safety Program	Implemented over the long term or as staff or funding is available.		Currently, inspections are performed at the completion of permitted work. 2018 - Ongoing	Ongoing
Purchase, development and deployment of a notifiable disease surveillance and outbreak management system. Used for surveillance for infectious diseases to include pandemic influenza and biological agents classified as potential weapons of mass destruction and/or high-threat communicable diseases. Outbreak management to occur in the same platform. This will allow the seamless collection, management, analysis and reporting of case and outbreak related data.	Pandemic Influenza, Bioterrorism, Other Disease Outbreaks	High	Health Protection	1	Funding for purchase of software / hardware: \$150,000 (completed 2012). Funding for personnel to support development, and deployment: \$125,000	CDC Public Health Emergency Preparedness Grant 2012-2012	DHEC – Division of Acute Disease Epidemiology	Actions began with the approval of the grant funding in July 2012. Action must end by the end of the grant in late July 2012.	Software/hardware purchase (Jan 2012), development and configuration ongoing (Jan – Dec 2012), Deployment scheduled for Apr 2013	2012 – Newly Reported Mitigation Action 2018 - Ongoing	Ongoing
Support Dune Restoration Efforts	Coastal Storms and Hurricanes; Erosion	Low	Prevention, Property and Natural Resource Protection	1	\$100,000	HMA grants, NOAA	DHEC-OCRM	Ongoing	Beach restoration activities do not currently authorize funding for dune stabilization projects.	2009 - New action - Due to potential impacts during turtle nesting season, activities must be coordinated	Ongoing

										with DNR. 2009 - New action - Due to potential impacts during turtle nesting season, activities must be coordinated with DNR. 2018 - Ongoing	
Establish a Marine Debris Reduction Program	Coastal Storms and Hurricanes	Low	Property and Natural Resource Protection	1	\$100,000	HMA grants, NOAA, DHEC, DNR	DHEC-OCRM in conjunction with DNR	Ongoing	DHEC-OCRM and SCDNR have established and funded past marine debris removal programs; however, there are no mechanisms in place for sustained funding	DHEC recently completed abandoned vessel and marine debris removal projects with the City of Folly Beach, the Town of Mt. Pleasant and the City of Georgetown. These efforts resulted in the removal and proper disposal of 22 abandoned vessels. To date, over 80 vessels have been removed from coastal waterways. DHEC is also partnering with the S.C. Sea Grant Consortium on a marine debris education grant. 2018 - Ongoing	Ongoing

Reinforce or replace grounding devices and lightning protection equipment at dispatch centers as needed.	Lightning, Thunderstorm, Hurricane	High	Property Protection	1	\$200,000	Hazard Mitigation Grant Program, Pre Disaster Mitigation, Economic Development Administration – Economic Development Technical Assistance, Public Assistance (406 mitigation), Emergency Management Performance Grants, Small Business Administration – Pre Disaster Mitigation Loans	Forestry Commission	Beginning 2008	2009 - Still looking at improvements or ways to reinforce grounding devices for two (Coastal in Walterboro and PEE Dee in Florence) of the three dispatch centers.	2010 - Completed improvements of grounding devices for lightning protection at Piedmont dispatch center in Newberry in 2009. Need additional funds (possibly Pre-Disaster Mitigation funds) to improve lightning protection at Pee Dee and Coastal Dispatch Centers. 2018 - Ongoing	Ongoing
Re-roof Coastal and Pee Dee dispatch centers with composite slate.	Thunderstorms, Hurricanes and Wildfire	High	Property Protection	1	\$10,000,000	Hazard Mitigation Grant Program, Pre Disaster Mitigation, Economic Development Administration – Economic Development Technical Assistance, Public Assistance	Forestry Commission	Dependant on funding	Dependant on funding	2010 - Awaiting funding - possibly Pre-Disaster Mitigation funds. 2018 - Ongoing	Ongoing

						(406 mitigation)					
Reinforce repeater buildings to withstand hurricane force winds.	Hurricane	Low	Property Protection	1	\$960,000	HMA grants, Economic Development Administration, PA, EMPG, SBA	Forestry Commission	Dependant on funding	Dependant on funding	2010 - Low priority and lack of funds. 2018 - Ongoing	Ongoing
Construct or reinforce aircraft hangars to withstand hurricane force winds.	Hurricane	Low	Property Protection	1	\$3,000,000	HMA grants, Economic Development Administration, PA, EMPG, SBA	Forestry Commission	Dependant on funding	Dependant on funding	2010 - Low priority and lack of funds. 2018 - Ongoing	Ongoing
Reinforce radio towers to withstand hurricanes force winds.	Hurricane	Moderate	Property Protection	1	\$4,000,000	HMA grants, Economic Development Administration, PA, EMPG, SBA	Forestry Commission	Dependant on funding	Dependant on funding	2010 - Need funds: possibly Pre-Disaster Mitigation funds if available. 2018 - Ongoing	Ongoing
Reinforce or replace ground field at radio towers to withstand lightning strikes.	Lightning, Thunderstorm, Hurricane	Moderate	Property Protection	1	\$168,000	HMA grants, Economic Development Administration, PA, EMPG, SBA	Forestry Commission	Dependent on funding	Dependent on funding	2010 -No progress due to lack of funds - could utilize Pre-Disaster Mitigation funds if available. 2018 - Ongoing	Ongoing
Relocate emergency back-up power systems in critical facilities	Flood, Hurricane, Tropical Storm	High	Prevention, Property Protection	1	\$41,726,459	HMA grants, General Operating Funds	Medical University of South Carolina	Project can be completed within three years of receipt of funding	Dependant on funding	Applying for funding in 2011. Partial funding received in 2011; applied for additional funding in	Ongoing

										2012 cycle; construction projects are underway. 2018 - Ongoing	
Strengthen critical facilities in earthquake-prone areas of the state.	Earthquake	Moderate	Property Protection	1	\$50,000,000 to \$60,000,000	HMA grants, Economic Development Administration, PA, EMPG, SBA	SC EMD	As soon as funding is available.	Ongoing - The need is to identify and prioritize the facilities and areas of the state for strengthening.	Impediments: Funding and Staff 2018 - Ongoing	Ongoing
Strengthen major / critical bridges to withstand earthquake-related impacts.	Earthquake	Moderate	Property Protection	1	\$70,000,000 or more	HMA grants, Economic Development Administration, PA, EMPG, SBA	SC EMD	As funding becomes available.	Ongoing - Identification of bridges for retrofit actions.	Impediments: Staff and Resources 2018 - Ongoing	Ongoing
Retrofit high capacity evacuation shelters (1,000 shelter spaces or greater) to accommodate 3,000-6,000 evacuees. The "super shelters" would undergo roof strengthening, window shutter installation, interior door and wall strengthening, generator connection retrofit, etc. Eight to twelve shelters would be upgraded to "super-shelter" status.	Hurricane	High	Property Protection	1	Cost will vary based on pre-existing condition of shelter. Estimate \$500,000 to \$1,000,000 per shelter.	HMA grants, Economic Development Administration, PA, EMPG, SBA	SC EMD	Dependent on school district renovation schedule. TBD	Negotiations with Department of Education are ongoing as part of the school facilities planning committee and among other educational institutions.	Milestones achieved are semi-annual meetings are ongoing. Impediments to implementation are availability of dedicated staff and resources for determining suitable priorities for candidate for the project. 2018 - Ongoing	Ongoing

Conserve water of specific state parks through construction of rainwater catch basins and implementation of visitor education practices	Drought	Moderate	Property Protection	1	\$10,000	HMA grants, existing operating budget	South Carolina Parks, Recreation, and Tourism	Dependant on funding	Continue to install catch basins at other affected parks	2009 - First catch basin installed at Caesars Head State Park 2018 - Ongoing 2018 - Ongoing	Ongoing
Strengthen all SCPRT structures to withstand earthquake-related impacts	Earthquake	Moderate	Property Protection	1	Millions	Hazard Mitigation Grant Program, Pre Disaster Mitigation, Emergency Management Performance Grant, FEMA – All Hazards Emergency Operational Planning, Public Assistance (406 mitigation)	South Carolina Parks, Recreation, and Tourism	Dependent on funding	Ongoing	2017 - Impediments: budget, age of facilities	Updated and Ongoing
Retrofit facilities to prevent lightning strikes from damaging equipment and facilities.	Lightning	Moderate	Property Protection	1	\$2,000,000	Hazard Mitigation Grant Program, Pre Disaster Mitigation, Emergency Management Performance Grant, FEMA – All Hazards Emergency Operational Planning, Public Assistance	South Carolina Parks, Recreation, and Tourism	Dependent on funding	Ongoing	New campground electrical systems at Hamilton Branch, Edisto Beach, Table Rock, Hunting Island, Myrtle Beach, Lake Wateree, and Chester State Parks have lightning arrestors installed; Standard practice of PRT to install surge	Updated and Ongoing

						(406 mitigation)				protectors for computer systems and phone lines; Impediments: manpower/timing, budget. Lightning arrestors placed on facilities to prevent damage to equipment.	
Protect and harden historic structures of the SC State Park Service	Lightning, Hurricane, Fire	Moderate	Property Protection	1	Millions	Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grants, FEMA – All Hazards Emergency Operational Planning, Public Assistance	South Carolina Parks, Recreation, and Tourism	Dependent on funding	Ongoing	Hurricane shutters and windows for all coastal facilities	Updated and Ongoing
Protect and harden select facilities of the SC State Park Service	Lightning, Hurricane, Fire	Moderate	Property Protection	1	\$200,000	Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grants, FEMA – All Hazards Emergency Operational Planning,	South Carolina Parks, Recreation, and Tourism	Dependent on funding	Ongoing	2009 - Hurricane shutters installed at Edisto Beach Interpretive Center. New facilities will have sprinkler systems to meet building codes. Tree pruning near facilities. Impediments: age of	Updated and Ongoing

						Public Assistance				strucuters, time constraints, budgets, and historic facilities throught the park service.	
Provide emergency power supply to Main Campus Computer/Server Room	Hurricane, Flood, Tornado	High	Response, Recovery	1	\$250,000	PDM, HMGP	The Citadel			Newly identified Mitigation Action	Ongoing
Expand Campus Emergency Power Supply Loop and Add Switches	Hurricane, Flood, Tornado	High	Response, Recovery	1	\$300,000	PDM, HMGP	The Citadel			Newly identified Mitigation Action	Ongoing

Construct Hardened/Dedicated EOC Facility	Hurricane, Flood, Tornado	High	Response, Recovery	1	\$425,000	PDM, HMGP	The Citadel			Newly identified Mitigation Action	Ongoing
Develop a comprehensive, interagency, flood assessment and mitigation plan to manage floodwater in the Rocky Branch Creek that originates in the City of Columbia and runs through the USC – Columbia campus. Approximately 2 miles of creek-bed and intersecting bridges need retrofitting or replacement.	Flood	High	Property Protection	1	Phase I: \$500,000 Phase II: 2,200 linear feet x \$5,000 per linear feet = \$11,000,000	HMA grants, Economic Development Administration, PA, EMPG, SBA	University of South Carolina	Phase I: Work in conjunction with DOT, City of Columbia, OSE, DNR, the Corps of Engineers and a consulting firm, on a comprehensive flood assessment and mitigation plan for the Rocky Branch Creek and surrounding area.	Funding is needed to implement this action. Once funding for the action is received, implementation will begin.	3/23/1900 10:00:00 PM Dependent on funding	Ongoing
Upgrade existing storm basins and storm water lines throughout the University of South Carolina - Columbia campus to accommodate greater runoff volumes from impervious surfaces on campus and in the City.	Flood	High	Prevention, Structural Projects	1	Phase I: \$500,000 Phase II: Dependent upon assessment	HMA grants, Economic Development Administration, PA, EMPG, SBA	University of South Carolina	Phase I: Work in conjunction with DHEC, City of Columbia to define storm water infrastructure and develop a storm water mitigation plan for the USC Columbia Phase II: Implement actions defined in storm water mitigation plan. Complete GIS mapping and asset review.	Funding is needed to implement this action. Once funding for the action is received, implementation will begin.	3/23/1900 10:00:00 PM Dependent on funding	Ongoing
Implement a wind retrofit program addressing towers and facilities comprised of	Thunderstorms and Hurricanes	High	Property Protection	1	Phase I: \$200,000 Phase II: Dependent	HMA grants, Economic Development	University of South Carolina	Phase I: Conduct an assessment of exterior glass on critical campus	Funding is needed to implement this action. Once funding for the	3/23/1900 10:00:00 PM Dependent on funding	Ongoing

significant exterior glass glazing on the Columbia campus.					upon assessment	Administration, PA, EMPG, SBA		facilities. Phase II: Implement actions defined in the assessment.	action is received, implementation will begin.		
Install emergency power generators and electrical infrastructure to key facilities, programs and research on campus including the three power plants.	All Hazards	High	Emergency Services	1	\$10,000,000	Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant	University of South Carolina	Phase I: Conduct a needs assessment of required generation and standby power for critical campus facilities. Phase II: Purchase and install generators and electrical infrastructure.	Funding is needed to implement this action. Once funding for the action is received, implementation will begin.	3/23/1900 10:00:00 PM Dependent on funding	Ongoing
Expand the emergency notification alert system for University of South Carolina system campuses.	All Hazards	High	Emergency Services	1	\$250,000	Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, FEMA All Hazards Emergency Operational Planning, University of South Carolina	University of South Carolina	Phase I: Install 5 outdoor warning sirens, control panels and 20 alert radios. Phase II: Expand siren system by installing hardware to relay the siren message indoors via voice over fire alarm system.	3/23/1900 4:00:00 PM Phase I complete. Funding is needed to implement this action. Once funding for the action is received, implementation will begin.	3/23/1900 4:00:00 PM Phase I complete. Dependent on funding	Ongoing
Implement wind retrofit program addressing towers and facilities comprised of significant exterior glass glazing on the Columbia campus.	Thunderstorms and Hurricanes	High	Property Protection	1	Unknown	HMA grants, Economic Development Administration, PA, EMPG, SBA	University of South Carolina, Business and Finance	Dependant on funding	Funding is needed to implement this action.	2009 - Funding currently unavailable	Ongoing

Relocate train tracks to prevent potential exposure to chemicals/hazards.	Hazardous Materials	High	Property Protection, Prevention	1	Phase I: \$500,000 Phase II: Dependent upon assessment Phase II: Dependent upon assessment	Norfolk Southern, City of Columbia, University of South Carolina, FEMA All Hazards Emergency Operational Planning	University of South Carolina, Norfolk Southern, City of Columbia	Phase I: Conduct assessment based on discussions with Columbia and Norfolk Southern. Phase II: Implement actions defined in the assessment.	Funding is needed to implement this action. Once funding for the action is received, implementation will begin.	3/23/1900 10:00:00 PM Dependent on funding	Ongoing
Strengthen existing building codes	All Hazards	High	Prevention	1	N/A	N/A	SC Labor, Licensing and Regulation, South Carolina Building Codes Council	July 1, 2019 (projected)	Ongoing	The 2015 code adopted July 1, 2016. The 2018 code will be adopted by July 1, 2019	New
Retrofit Beaufort Engineering Complex - Retrofit District 6 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance	All Hazards	Moderate	Property Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, State Funding	Department of Transportation	FY 2009	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2015.	2020 - Impediments, funding and permits.	New

Retrofit Myrtle Beach Traffic Management Center - Retrofit District 5 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program	Department of Transportation	FY 2008 - 2009	We are attempting to identify a funding source. If funding becomes available, we can develop an off-site location for a recovery site and retrofit the present facility to mitigate earthquakes and water damage.	2020 - Impediments, funding and permits.	New
Retrofit Georgetown Engineering Complex - Retrofit District 5 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program	Department of Transportation	Complete by FY 2015	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2015.	2020 - Impediments, funding and permits.	New
Retrofit Jasper County Engineering Complex - Retrofit District 5 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds	All Hazards	Moderate	Property Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, State Funding	Department of Transportation	2008 - Expect to begin July 2009 and complete by June 2015.	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2015.	2020 - Impediments, funding and permits.	New

and seismic disturbance.											
Retrofit Florence County Engineering Office - Retrofit District 5 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program	Department of Transportation	Expect to begin July 2009 and complete by June 2015.	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2015.	2020 - Impediments, funding and permits.	New
Retrofit I-95 Santee rest areas, Orangeburg County - Retrofit roof strengthening/reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, State Funding	Department of Transportation	Expect to begin July 2009 and complete by June 2015.	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2015.	2020 - Impediments, funding and permits.	New

Retrofit I-95 rest area, Florence County - Retrofit roof strengthening/reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, State Funding	Department of Transportation	Expect to begin July 2009 and complete by June 2015.	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2015.	2020 - Impediments, funding and permits.	New
Retrofit Dillon Engineering Complex Management Center - Retrofit District 5 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program	Department of Transportation	Expect to begin July 2009 and complete by June 2015.	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2015.	2020 - Impediments, funding and permits.	New
Retrofit I-26 rest areas, Calhoun County - Retrofit roof strengthening/reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, State Funding	Department of Transportation	Expect to begin July 2009 and complete by June 2010.	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2010.	2020 - Impediments, funding and permits.	New

Retrofit Orangeburg Engineering Complex- Retrofit District 5 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT5 hurricane winds and seismic disturbance.	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program	Department of Transportation	Expect to begin July 2009 and complete by June 2010.	Perform assessment and determine scope of project - do design work for FY 2009 - retrofit building by 2010.	2020 - Impediments, funding and permits.	New
Retrofit Marion County Engineering Office Management Center - Retrofit District 5 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, State Funding	Department of Transportation	Contract for design/build/retrofit in late CY 2009; Complete by FY 2010	Assess site for retrofit modifications; Develop Scope of Work for design; Hire contractor	2020 - Impediments, funding and permits.	New
Retrofit Horry County Maintenance Complex - Retrofit District 5 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT5 hurricane winds	Hurricane	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, State Funding	Department of Transportation	2008 - Contract for design/build/retrofit in late CY 2009; Complete by FY 2010	Assess site for retrofit modifications; Develop Scope of Work for design; Hire contractor	2020 - Impediments, funding and permits.	New

and seismic disturbance.											
District Six IT Office - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependant on funding	2020 - Impediments, funding and permits.	New
District Six Office - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performanc	Department of Transportation	Dependent on funding	Dependant on funding	2020 - Impediments, funding and permits.	New

						e Grant, Homeland Security Grants, State Funding					
Charleston Maintenance Mechanic Shop - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependant on funding	Dependant on funding	2020 - Impediments, funding and permits.	New
Charleston Maintenance Truck Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland	Department of Transportation	Dependant on funding	Dependant on funding	2020 - Impediments, funding and permits.	New

						Security Grants, State Funding					
Retrofit District Six incident Management Building with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$2,250,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependant on funding	Dependant on funding	2020 - Impediments, funding and permits.	New
Lower State Sign Storage Building - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance	Department of Transportation	Dependant on funding	Dependant on funding	2020 - Impediments, funding and permits.	New

						e Grant, Homeland Security Grants, State Funding					
Pinehaven Office - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependant on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Mt. Pleasant Section Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant,	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Homeland Security Grants, State Funding					
Parker's Ferry Section Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Beaufort Maintenance Office - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant,	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Homeland Security Grants, State Funding					
Beaufort Maintenance Mechanic Shop - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Beaufort Maintenance Truck Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant,	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Homeland Security Grants, State Funding					
Hilton Head Section Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Berkeley Maintenance Mechanic Shop - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

and seismic disturbance.						e Grant, Homeland Security Grants, State Funding					
Berkeley Maintenance Truck Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Berkeley Maintenance Office - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

and seismic disturbance.						e Grant, Homeland Security Grants, State Funding					
St. Stephens Section Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Huger Section Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant,	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Homeland Security Grants, State Funding					
Colleton Maintenance Office - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Colleton Maintenance Mechanic Shop - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Security Grants, State Funding					
Colleton Truck Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Ruffin Section Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						e Grant, Homeland Security Grants, State Funding					
Dorchester Maintenance Mechanic Shop - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Summerville Section Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Security Grants, State Funding					
Dorchester Maintenance Office - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Jasper Maintenance Office - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant,	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Homeland Security Grants, State Funding					
Jasper Mechanic Shop - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Jasper Truck Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant,	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Homeland Security Grants, State Funding					
District Office Incident Management Building - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New
Dorchester Truck Shed - Retrofit District Six office maintenance buildings with roof strengthening, reinforce interior and exterior walls and install widow shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane	Moderate	Property/Equipment Protection	1	\$1,550,000	FEMA-Emergency Operational Planning, Pre Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, Homeland Security Grants, State Funding	Department of Transportation	Dependent on funding	Dependent on funding	2020 - Impediments, funding and permits.	New

						Security Grants, State Funding					
Retrofit Berkeley County Engineering Office - Retrofit District 6 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricane, Earthquake	Moderate	Property Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, State Funding	Department of Transportation	Contract for design/build/retrofit in late CY 2009; Complete by FY 2010	Dependent on funding	2020 - Impediments, funding and permits.	New
Retrofit Marion County Engineering Office - Retrofit roof strengthening/reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricanes	Moderate	Property Protection	1	\$1,550,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, State Funding	Department of Transportation	Contract for design/build/retrofit in late CY 2009; Complete by FY 2010	Dependent on funding	2020 - Impediments, funding and permits.	New

Retrofit District 7 Headquarters Engineering Office - Retrofit roof strengthening/reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricanes	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, State Funding	Department of Transportation	Contract for design/build/retrofit in late CY 2009; Complete by FY 2010	Dependent on funding	2020 - Impediments, funding and permits.	New
Retrofit District 6 Headquarters - Charleston - Retrofit District 6 office and maintenance buildings with roof strengthening reinforce interior and exterior walls and window shutters to withstand CAT5 hurricane winds and seismic disturbance	All Hazards	Moderate	Property Protection	1	\$2,000,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, State Funding	Department of Transportation	Contract for design/build/retrofit in late CY 2009; Complete by FY 2010	Dependent on funding	2020 - Impediments, funding and permits.	New
Retrofit District 5 Headquarters - Retrofit roof strengthening/reinforce interior and exterior walls and window shutters to withstand CAT 5 hurricane winds and seismic disturbance.	Hurricanes	Moderate	Property Protection	1	\$500,000	FEMA- Emergency Operational Planning, Pre Disaster Mitigation, State Funding	Department of Transportation	Contract for design/build/retrofit in late CY 2009; Complete by FY 2010	Dependent on funding	2020 - Impediments, funding and permits.	New