

Commerce Science and Justice Appropriations

Fiscal Year 2010 Forms

Name of Project: At-Risk Youth Programs

Purpose: To continue a program for educational, recreational, mentoring, and character development programs for at-risk youth

Location: Jackson, MS

Amount Requested for FY10: \$360,000

Project Funding Recipient: City of Jackson, Mississippi

Justification: This project will support at-risk and underserved citizens and help them develop needed skills.

Name of Project: Bluefin Tuna Aquaculture Project

Purpose: To research land-based clean aquaculture

Location: Hattiesburg, MS

Amount Requested for FY10: \$5,000,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Bottlenose Dolphin Research

Purpose: To research the long-term effects of Hurricane Katrina

Location: Gulfport, MS

Amount Requested for FY10: \$2,500,000

Project Funding Recipient: Institute for Marine Mammal Studies

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Campus Police Department Improvements
Purpose: To purchase technologies that will enhance public safety
Location: Ellisville, MS
Amount Requested for FY10: \$100,000
Project Funding Recipient: Jones County Junior College
Justification: This project will enhance public safety.

Name of Project: Central Gulf of Mexico Coastal Ocean Observing
Purpose: To conduct the research necessary to improve hurricane and storm surge analysis and prediction
Location: Hattiesburg, MS
Amount Requested for FY10: \$2,000,000
Project Funding Recipient: University of Southern Mississippi
Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Choctaw Native American Business Enterprise Center
Purpose: To create a Native American Business Enterprise Center to enhance economic development opportunities
Location: Choctaw, MS
Amount Requested for FY10: \$300,000
Project Funding Recipient: Mississippi Band of Choctaw Indians
Justification: This project will expand economic development opportunities.

Name of Project: Composite Fabrication Center
Purpose: To support national defense and commercial needs through the development of a Composites Fabrication Center
Location: Hattiesburg, MS
Amount Requested for FY10: \$1,750,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: County Jail Project

Purpose: To construct a new county jail

Location: Prentiss, MS

Amount Requested for FY10: \$7,000,000

Project Funding Recipient: Jefferson Davis County, Mississippi

Justification: This project will enhance public safety.

Name of Project: Courthouse

Purpose: To construct a new justice facility, replaced the current courthouse

Location: Pittsboro, MS

Amount Requested for FY10: \$5,450,000

Project Funding Recipient: Calhoun County, Mississippi

Justification: This project will enhance public safety.

Name of Project: Cross-Roads Multi-Cultural Center

Purpose: To create a program for underserved citizens

Location: Jackson, MS

Amount Requested for FY10: \$500,000

Project Funding Recipient: Wesley Biblical Seminary

Justification: This project will support at-risk and underserved citizens and help them develop needed skills.

Name of Project: E-911 Project

Purpose: To purchase the equipment necessary for an interoperable emergency communications system in Lee County

Location: Tupelo, MS

Amount Requested for FY10: \$7,000,000

Project Funding Recipient: Lee County, Mississippi

Justification: This project will enhance public safety.

Name of Project: Electronic Filing System Project

Purpose: To purchase the equipment necessary to develop an electronic filing system for chancery and circuit court offices

Location: Pontotoc, MS

Amount Requested for FY10: \$1,200,000

Project Funding Recipient: Three Rivers Planning and Development District

Justification: This project will improve coordination of public safety activities.

Name of Project: Expansion of the Research, Technology and Economic Development Park

Purpose: To construct a reserach facility to commercialize technologies and to foster economic development

Location: Starkville, MS

Amount Requested for FY10: \$17,500,000

Project Funding Recipient: Mississippi State University

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Geospatial Information for Humanitarian Needs

Purpose: To increase the use of geospatial data by the humanitarian aid community

Location: Oxford, MS

Amount Requested for FY10: \$2,300,000

Project Funding Recipient: University of Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Gulf States Census Research Data Center

Purpose: To develop the infrastructure for a restricted data lab

Location: Starkville, MS

Amount Requested for FY10: \$1,700,000

Project Funding Recipient: Mississippi State University

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Hydrographic Center of Excellence

Purpose: To advance education and technology related to coastal mapping

Location: Hattiesburg, MS

Amount Requested for FY10: \$4,000,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Integration of Mississippi Department of Public Safety into the Criminal Information Sharing Alliance Network

Purpose: To purchase the technology needed to integrate Mississippi law enforcement investigative data sources

Location: Jackson, MS

Amount Requested for FY10: \$710,000

Project Funding Recipient: Mississippi Bureau of Narcotics

Justification: This project will enhance public safety.

Name of Project: Justice Court Complex

Purpose: To construct a new justice court complex

Location: Tupelo, MS

Amount Requested for FY10: \$1,500,000

Project Funding Recipient: Lee County, Mississippi

Justification: This project will enhance public safety.

Name of Project: Juvenile Detention Center

Purpose: To construct a holding facility for the juvenile detention center

Location: Cleveland, MS

Amount Requested for FY10: \$1,000,000

Project Funding Recipient: Bolivar County, Mississippi

Justification: This project will enhance public safety.

Name of Project: Law Enforcement Equipment

Purpose: To purchase equipment that will enhance public safety

Location: D'Iberville, MS

Amount Requested for FY10: \$400,000

Project Funding Recipient: D'Iberville Police Department

Justification: This project will enhance public safety.

Name of Project: Linking Disruptive Manufacturing Research with Manufacturing Industries

Purpose: To research weld tool design, process parameters optimization, and process monitoring development

Location: Starkville, MS

Amount Requested for FY10: \$1,250,000

Project Funding Recipient: Mississippi State University

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Maltreated Infants and Toddlers Program

Purpose: To address the critical needs of maltreated infants and toddlers

Location: Hattiesburg, MS

Amount Requested for FY10: \$300,000

Project Funding Recipient: Zero-to-Three

Justification: This project will support underserved citizens.

Name of Project: Marine Aquaculture Lab Operations

Purpose: To conduct the research necessary to commercialize new technologies for marine seafood

Location: Ocean Springs, MS

Amount Requested for FY10: \$5,000,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Methamphetamine Enforcement

Purpose: To purchase the equipment that will help locate labs and to clean up meth lab sites

Location: Pascagoula, MS

Amount Requested for FY10: \$400,000

Project Funding Recipient: Jackson County, Mississippi

Justification: This project will enhance public safety.

Name of Project: Mississippi Automated Systems Project

Purpose: To improve record management systems for Mississippi courts

Location: Hattiesburg, MS

Amount Requested for FY10: \$5,000,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will improve coordination of public safety activities.

Name of Project: Mississippi Biotechnology Research Park

Purpose: To build a research facility for new technologies related to biotechnology

Location: Jackson, MS

Amount Requested for FY10: \$11,000,000

Project Funding Recipient: University of Mississippi Medical Center

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Mississippi Crime Laboratory Partnership

Purpose: To support DNA analysis and trace elemental analysis programs

Location: Oxford, MS

Amount Requested for FY10: \$1,520,000

Project Funding Recipient: University of Mississippi

Justification: This project will enhance public safety.

Name of Project: Mississippi Digital Earth Model

Purpose: To improve statewide digital mapping technology

Location: Jackson, MS

Amount Requested for FY10: \$8,000,000

Project Funding Recipient: Mississippi Department of Environmental Quality

Justification: This project will enhance public safety.

Name of Project: Mississippi Rural Law Enforcement Training

Purpose: To support the Rural Law Enforcement Training Program

Location: Hattiesburg, MS

Amount Requested for FY10: \$550,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will enhance public safety.

Name of Project: MSU Cyber Crime Initiative and National Consortium for Digital Forensics Training

Purpose: To promote digital forensics investigation training for state and local law enforcement officials

Location: Starkville, MS

Amount Requested for FY10: \$2,200,000

Project Funding Recipient: Mississippi State University

Justification: This project will enhance public safety.

Name of Project: NASA University Affiliated Research Center for Coastal Management

Purpose: To focus on research and development activities high-performance computing

Location: Starkville, MS

Amount Requested for FY10: \$15,000,000

Project Funding Recipient: Mississippi State University

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: National Center for Biodefense Communications

Purpose: To research ways to foster interoperable communication for first-responders

Location: Jackson, MS

Amount Requested for FY10: \$2,000,000

Project Funding Recipient: Jackson State University

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: National Center for Justice and the Rule of Law

Purpose: To support an ongoing computer crime program for legal training for judges, prosecutors, lawyers, and law students

Location: Oxford, MS

Amount Requested for FY10: \$3,500,000

Project Funding Recipient: University of Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: National Center for Natural Products Research

Purpose: To research and develop natural products for pre-clinical drug development

Location: Oxford, MS

Amount Requested for FY10: \$10,000,000

Project Funding Recipient: University of Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: National Center for Remote Sensing, Air, and Space Law

Purpose: To continue a program for legal research for remote sensing, space, and aviation issues

Location: Oxford, MS

Amount Requested for FY10: \$3,000,000

Project Funding Recipient: University of Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: National Formulations Science Laboratory

Purpose: To take innovative university research and focus on using this research to deliver products to market

Location: Hattiesburg, MS

Amount Requested for FY10: \$7,000,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: National Institute for Undersea Science and Technology

Purpose: To purchase the equipment necessary to research and develop seafloor observatory systems and undersea vehicles for seafloor mapping and exploration

Location: Oxford, MS

Amount Requested for FY10: \$6,000,000

Project Funding Recipient: University of Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: National Sea Grant Law Center

Purpose: To continue a program for legal research and assistance for Sea Grant College Programs across the country

Location: University, MS

Amount Requested for FY10: \$1,000,000

Project Funding Recipient: University of Mississippi

Justification: This project will increase research programming to enhance public safety.

Name of Project: NOAA Northern Gulf Institute

Purpose: To more effectively link local, state, regional and national organizations concerned with northern Gulf issues and management

Location: Mississippi State, MS

Amount Requested for FY10: \$16,000,000

Project Funding Recipient: Mississippi State University

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Ocean Learning Center

Purpose: To build a mammal research center

Location: Gulfport, MS

Amount Requested for FY10: \$5,000,000

Project Funding Recipient: Institute for Marine Mammal Studies

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Public Safety Initiatives

Purpose: To purchase equipment needed to enhance public safety

Location: Pass Christian, MS

Amount Requested for FY10: \$150,000

Project Funding Recipient: City of Pass Christian, Mississippi

Justification: This project will enhance public safety.

Name of Project: Public Safety Technologies Program

Purpose: To purchase devices and equipment to enhance public safety

Location: Jackson, MS

Amount Requested for FY10: \$1,885,000

Project Funding Recipient: City of Jackson, Mississippi

Justification: This project will enhance public safety.

Name of Project: Regional Ensembling System for Atmospheric Dispersion Forecasting

Purpose: To research precise air pollution dispersion models that can handle unique meteorological conditions in Coastal areas

Location: Jackson, MS

Amount Requested for FY10: \$3,000,000

Project Funding Recipient: Jackson State University

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Regional Geospatial Modeling

Purpose: To advance remote sensing techniques for monitoring and predicting changes on barrier islands

Location: Hattiesburg, MS

Amount Requested for FY10: \$5,500,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Regional Jail Facility

Purpose: To build a regional jail

Location: Jackson, MS

Amount Requested for FY10: \$15,000,000

Project Funding Recipient: Hinds County Board of Supervisors

Justification: This project will enhance public safety.

Name of Project: Regional METH Enforcement Initiative

Purpose: To purchase the equipment that will help locate labs and to clean up meth lab sites

Location: Greenville, MS

Amount Requested for FY10: \$1,200,000

Project Funding Recipient: City of Greenville, Mississippi

Justification: This project will enhance public safety.

Name of Project: Regional Training Academy

Purpose: To provide first-responder training

Location: Meridian, MS

Amount Requested for FY10: \$300,000

Project Funding Recipient: Mississippi National Guard

Justification: This project will enhance public safety.

Name of Project: Remote Infrasonic Monitoring of Natural Hazards

Purpose: To purchase equipment and to research the public safety applications of infrasound, including tracking hurricane formations and movements

Location: Oxford, MS

Amount Requested for FY10: \$3,200,000

Project Funding Recipient: University of Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Science Consortium for Ocean Replenishment

Purpose: To develop new tools for fishery management and to accelerate economic and biological recovery of important marine resources

Location: Hattiesburg, MS

Amount Requested for FY10: \$3,700,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: STEM Project

Purpose: To establish a program to increase the percentage of students who pursue science-related careers

Location: Oxford, MS

Amount Requested for FY10: \$1,000,000

Project Funding Recipient: University of Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Technology Industry Partnership

Purpose: To promote the transfer of advanced NASA-owned technologies to private sector applications

Location: Hattiesburg, MS

Amount Requested for FY10: \$4,000,000

Project Funding Recipient: University of Southern Mississippi

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Unmanned Aircraft Systems for Hurricane Intensity and Track Forecasting

Purpose: To continue unmanned aviation system research and to improve hurricane forecast accuracy

Location: Starkville, MS

Amount Requested for FY10: \$15,000,000

Project Funding Recipient: Mississippi State University

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Wild American Shrimp

Purpose: To research new products and to implement a quality assurance certification program

Location: Charleston, SC

Amount Requested for FY10: \$8,000,000

Project Funding Recipient: Wild American Shrimp

Justification: This project will increase research programming or infrastructure and expand economic development opportunities.

Name of Project: Youth Court Drug and Mental Health Programs

Purpose: To establish a program to provide medical and mental health services for at-risk youths

Location: Jackson, MS

Amount Requested for FY10: \$2,500,000

Project Funding Recipient: Health Assurance

Justification: This project will support at-risk citizens and help them develop needed skills.