Delaware Appropriations

FY 2010 Funded Projects – Delaware

Below is a list of Delaware projects funded through FY2010 appropriations.

40' Fixed Route Transit Buses
State of Delaware Department of Transportation
800 Bay Road, P.O. Box 778, Dover, DE 19903

$974,000 to replace fixed route transit coaches which were purchased in 1996. This is part of a comprehensive bus replacement schedule to ensure safe and efficient transportation equipment is used for fixed route services. The project will enable the Delaware Transit Corporation to continue to provide a high level of service to Delaware residents. DTC provides 10 million passenger trips annually with 14.9 million service miles and serves all three counties.

Advanced Composite Maritime Manufacturing
University of Delaware
Hullihen Hall, University of Delaware, Newark, DE 19716

$1,600,000 to research and develop design, engineering and manufacturing technologies for U.S. Navy ship structures based on advanced lightweight composite materials. The objective of this project is to keep Navy, SOCOM (Special Operations Command), and Coast Guard craft at the forefront of technology, and help insure superiority of the US military in the water over current and future adversaries. The application of these materials and technologies will provide ship structures that are optimally engineered, and manufactured using state-of-the-art methods to provide the highest performance at the lowest cost.

Agriculture Compliance Laboratory Equipment, Delaware
State of Delaware Department of Agriculture
Tatnall Building, William Penn Street, Dover, DE, 19901

$69,000 to fully equip and modernize the Poultry and Animal Health Lab for the state of Delaware in order to protect Delaware's animal industries (including food animals and poultry, horse-racing industry, and companion animals) and therefore public health of all Delawareans.
Army Plant Vaccine Development Program  
Fraunhofer USA Center for Molecular Biotechnology  
9 Innovation Way, Suite 200, Newark, DE 19711

$1,600,000 for research, development, testing, and evaluation to deliver a combined multivalent one-shot vaccine to protect the U.S. Armed Forces and civilian communities against plague and anthrax. This quick response ability can assist communities around the world with mass therapeutic treatment or for mass vaccination in the event of bioterrorist attack or natural disease outbreak such as an avian influenza.

Automotive-Based Fuel Cell Hybrid Bus Program  
University of Delaware  
Hullihen Hall, Newark, DE 19716

$487,000 for a program to research, build and demonstrate fuel cell hybrid buses on the UD campus and in the state of Delaware. The objective is for the project's efficient and uniquely low-cost design of fuel cell transit buses to spur commercialization of this technology which will help reduce our nation’s dependence on foreign oil and enable the US to meet its goal of greenhouse gases reductions.

Avian Bioscience, DE  
University of Delaware  
Hullihen Hall, Newark, DE 19716

$150,000 to upgrade Delaware's existing diagnostic facility. Delmarva is the nation's leader in the research, development, and implementation of successful avian influenza (AI) surveillance and response plans to protect poultry and human health. The University of Delaware, through its College of Agriculture and Natural Resources, is central to Delmarva's preparedness for AI.

Beebe Medical Center, Lewes, DE, for facilities and equipment  
Beebe Medical Center  
424 Savannah Rd., Lewes, DE 19958

$100,000 to construct a new 2-story School of Nursing building. The purpose of the project is to double Beebe's nursing enrollment to 120 students and train an additional 60 nurses to care for patients in Delaware and Delmarva.

C-5 Cargo Aircraft Maintenance Training Facility, Phase 1  
Dover Air Force Base  
Dover, DE

$5,300,000 to provide new training facility with tools and classrooms to furnish specialized hands-on instruction for C-17 and C-5M engine maintenance.
C & D Canal Trail Improvements
U.S. Army Corps of Engineers
Wanamaker Building, 100 Penn Square East, Philadelphia, PA 19107

$1,000,000 to transform over 13 miles of existing Army Corps service road on the north-side of the Chesapeake and Delaware Canal - from Delaware City to Chesapeake City - into a multi-purpose recreation trail with associated amenities (trail heads, signage, and self-composting restroom facilities, and security). Creating a multi-purpose recreation trail on the existing service road would ensure a safer area for the residents of Delaware City (one of the fastest growing areas in the state of Delaware), Chesapeake City, and everywhere in between, to continue to enjoy the Canal.

Carvel State Building Video Surveillance Project
Delaware Capitol Police
150 William Penn Street, Dover, DE 19901

$75,000 to purchase and install digital video cameras and head end capturing and recording equipment at the Carvel State Building that houses the Governor's office, Lt. Governor's office, General Assembly offices, Supreme Court, Attorney General's office and numerous other state agencies. The purpose of this project is to enhance the Capitol Police ability to monitor, capture and retrieve video surveillance of the state facility to protect its occupants.

Chapel Center
Dover Air Force Base
Dover, DE

$7,500,000 to construct a new chapel center at Dover AFB. The current Dover AFB chapel center is an undersized, structurally substandard facility. A chapel is needed in proximity of dormitory residents because many single Airmen do not own transportation and the other base chapel is 20 minutes from the main base by foot. Airmen who work at the Port Mortuary would also utilize the new facility. An improved chapel is required to host families who come to the base to receive our fallen heroes. A new chapel center is needed to meet diverse worship, fellowship, and counseling needs of Dover AFB.

Chesapeake Bay Interpretive Buoy System
National Oceanic and Atmospheric Administration (NOAA) Chesapeake Bay Office
410 Severn Avenue, Annapolis, MD 21403

$500,000 to be used by NOAA to purchase, deploy, and operate a buoy and sensors on the Nanticoke River in Delaware, which is the largest Chesapeake Bay tributary on the Delmarva Peninsula, and is identified by NOAA as a priority location for the Chesapeake Bay Interpretive Buoy System (CBIBS). The purpose of this project is to provide real-time data and interpretation to further protect, restore, and manage the Chesapeake Bay.
Composite Applied Research and Technology for FCS and Tactical Vehicle Survivability
University of Delaware
Hullihen Hall, Newark, DE 19716

$3,200,000 to rapidly advance the Technology Readiness Level of existing and promising new ultra-lightweight composites structures and armor for combat and light, medium and heavy tactical vehicle applications. Using heavy materials such as steel and aluminum will continue to result in vehicles that are too heavy to transport and will overload vehicles - which reduces life, increases maintenance costs and requires more frequent vehicle replacement. The project is addressing the critical needs of the US Army to protect our soldiers and provide them with the best equipment to carry out their missions. Lightweight composite vehicle structures and armor increase mobility and mission payloads while increasing soldier protection against direct fire, improvised explosive devices and explosively formed penetrators.

Consolidated Communications Facility
Dover Air Force Base
Dover, DE

$12,100,000 to construct a consolidated communications facility at Dover AFB. Currently, a comprehensive, integrated communications system is impeded by the fragmented location of related communications functions. Consolidating these functions into one hardened facility will improve manpower efficiency by approximately 25 percent. Consolidation and demolition of the old facilities will result in approximately $17,000 in annual energy savings.

Cybersecurity in Tactical Environments
University of Delaware
Hullihen Hall, University of Delaware, Newark, DE 19716

$800,000 for research, development, testing and evaluation to detect vulnerabilities and intrusions in the U.S. Army’s battlefield networks. The U.S. Army uses mobile computer networks to both communicate between soldiers, and between soldiers and their weapons systems. This concept is called network centric warfare, and the security and availability of this network is critical to combat operations. The project will focus on detection of data exfiltration in tactical networks, intrusion detection in mobile ad-hoc networks, detection of malicious hardware and software components, and detecting security threats in commercial off the shelf (COTS) wireless networking equipment.
Delaware Bay Coastline, Roosevelt Inlet to Lewes Beach, DE
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$331,000 for periodic renourishment of Roosevelt Inlet/Lewes Beach area located in Sussex County, Delaware. The purpose of the project is to reduce flood and coastal storm damage and for navigation mitigation.

Delaware Children's Museum, DE
The Delaware Children's Museum, Inc.
110 South Poplar Street Suite 103 Wilmington, DE 19801

$194,800 for renovations to the existing buildings in Wilmington and the construction of exhibits to create Delaware's first children's museum. This will assist in revitalizing the Christina Riverfront area.

Delaware Coast, Cape Henlopen to Fenwick, Island, Bethany Beach to South Bethany, DE
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$969,000 for the periodic renourishment of the Bethany Beach/South Bethany project area in Sussex County, Delaware. The purpose of this project is to reduce flood and coastal storm damage.

Delaware Coast, Cape Henlopen to Fenwick, Island, Rehoboth Beach and Dewey Beach, DE
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$969,000 for periodic renourishment of Rehoboth Beach and Dewey Beach in Sussex County, Delaware. The purpose of the project is to reduce flood and coastal storm damage.

Delaware Coast Protection, DE
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$368,000 to reimburse the State of Delaware for the Federal share of the annual operation and maintenance costs of the sand bypass plant and new plant facilities. The purpose is to support the periodic nourishment of the beach during the authorized period.
Delaware Department of Education, Dover, DE for a school leadership initiative
Delaware Department of Education
401 Federal Street, Suite 2, Dover, DE 19901

$250,000 to train, mentor, and coach superintendents, principals, and other leaders within the Vision 2015 Network to sharpen their focus on data and realign their time and resources to maximize student achievement.

Delaware Department of Technology and Information, Dover, DE to improve Internet access to Delaware schools, including the purchase of equipment
Delaware Department of Technology and Information
801 Silver Lake Blvd., Dover, DE 19904

$100,000 for the purchase of equipment as well as the purchase of ancillary devices needed for computing operations in nearly 200 public school buildings throughout Delaware.

Delaware Estuary Salinity Study
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$200,000 in planning assistance to states to expand upon an ongoing study that would apply a three dimensional model to assess salinity impacts on oysters and other environmental resources.

Delaware National Guard Counterdrug Task Force
Delaware National Guard
First Regiment Rd, Wilmington, DE 19808

$300,000 to provide counterdrug support to federal, state, and local law enforcement agencies and to Community Based Organizations requesting Drug Demand Reduction Assistance. Funding will provide unique military support and resources to our police agencies which enables the police to concentrate more police resources to other priorities in their department. Increased funding from federal appropriations will permit the Delaware National Guard to provide support to open requests from the FBI, Delaware State Police, and local authorities. It will also enable the Delaware Guard to expand its Drug Education Program.
Delaware River Enhanced Flood Warning System
Delaware River Basin Commission
125 State Police Drive, Trenton, NJ 08628

$200,000 for enhancements to the Delaware River Basin’s flood warning system, including: (1) upgrades to the existing precipitation and stream gage network, (2) improvement of flash flood forecasting capabilities, (3) flood warning education and outreach, and (4) support of flood coordination. Following three Delaware River main stem floods, the continued development of an enhanced basinwide flood warning system is critical for ensuring that the existing flood warning system is adequately maintained and that technological advancements are continued.

Delaware State University, Dover, DE, for facilities and equipment related to public health training
Delaware State University
1200 North Dupont Highway, Dover, DE 19901

$100,000 to establish a Masters Program in Public Health and incorporate new technologies into this initiative.

East Side Community Learning Center Foundation, Wilmington, DE, to support supplemental education and enrichment programs for high-need students
EastSide Community Learning Center Foundation
3000 N. Claymont Street, Wilmington, DE 19806

$100,000 for supplemental educational and enrichment programs at East Side Charter School to ensure their students succeed in school, work, and society.

FAME, Inc., Wilmington, DE, to prepare minority students for college and encourage them to pursue careers in science, engineering, and math
Forum to Advance Minorities in Engineering, Inc. (FAME, Inc.)
100 W. 10th Street, Suite 409, Wilmington, DE 19801

$125,000 to prepare minority students for college - concentrating in STEM and business education.

First Steps Primeros Pasos, Georgetown, DE
P.O. Box 1003, Georgetown, DE 19947

$194,800 to support the construction and start-up costs for a bilingual early care facility designed to help children of non-English speaking families develop the language and skills needed to be successful when they reach kindergarten. This will benefit Georgetown, Delaware and its growing Hispanic community. Upon opening, the center will serve 60 children.
**Food Bank of Delaware, Newark, DE**  
14 Garfield Way, Newark, DE 19713

$194,800 to expand the Milford facility to meet the needs of Kent and Sussex Counties. Expansion will include a full service kitchen to serve hot meals to those in need, a volunteer room for recruiting and meetings, a culinary school to provide job training for the unemployed, and more office space so that more jobs can be created.

**Functional Family Therapy for At-Risk Youth (DE Girls Wraparound)**  
Children and Families First Delaware  
2005 Baynard Blvd., Wilmington, DE 19802

$350,000 for supplies and salaries needed to provide intensive community-based counseling and case management to youth ages 10-18 and their families in all three counties in Delaware. The purpose of the project is to improve family relationships, increases parent engagement, improves school attendance, and reduces involvement in the juvenile justice system and recidivism so that youth succeed.

**Harbor of Refuge, Lewes, DE**  
Army Corps of Engineers  
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$100,000 to repair and re-enforce the federally owned offshore Harbor of Refuge Breakwater wall that has been badly damaged and weakened by storms. The purpose of the project is to restore the historic breakwater itself and preservation of the lighthouse, which provides sound storm protection for marine interests and erosion protection for the Lewes/Cape Henlopen area shoreline.

**Improved Thermal Resistant Nylon for Enhanced Durability and Thermal Protection in Combat Uniforms**  
INVISTA S.à r.l.  
2801 Centerville Road, Wilmington, DE 19808

$3,200,000 to increase the safety and protection of U.S. soldiers with improved flame resistant, durable, and lower cost materials for the U.S. Army combat uniforms. These improvements will meet an urgent need due to the threat of Improvised Explosives Devices (IED). This project will fund and accelerate research, development, testing, and evaluation for nylon fiber development, fiber formulation, fabric scale up and performance blend specification for U.S. Army combat uniforms.
In-Car Camera System for Delaware State Policy Patrol Cars
Delaware State Police
1441 N. DuPont Highway Dover, DE 19903

$1,500,000 to purchase 350 digital in-car cameras for patrol fleet and centralized digital storage devices. The purpose of this project is to provide valuable evidentiary information in both criminal and civil processes.

Indian River Inlet Bridge
State of Delaware Department of Transportation
800 Bay Road, P.O. Box 778, Dover, DE 19903

$779,200 for the construction of a new bridge along State Route 1 over the Indian River Inlet. The replacement bridge will alleviate the safety risk caused by the present scour conditions at the foundations. The new structure will completely span the inlet with all foundation members constructed on dry land. The proposed alignment will be west of the existing bridge at a critical evacuation route in the event of natural disasters.

Jobs for Delaware Graduates, Expand Available Services
Jobs for Delaware's Graduates, Inc.
381 W. North Street Dover, DE 19904

$1,000,000 to expand Jobs for Delaware Graduates (JDG) programs to 1,320 additional "at-risk" students in Middle School and High School for the purpose of increasing school graduation rates.

Joint Services Aircrew Mask Don/Doff Inflight Upgrade
ILC Dover LP
One Moonwalker Road, Frederica, DE 19946-2080

$2,400,000 for research, development, testing, and evaluation of a Joint Services Aircrew Mask, which will provide above the neck Chemical, Biological, and Anti-G protection to DoD aircrew personnel. The mask is a hood that goes over the wearer’s head and seals at the neck. This project will enhance our military's mission capability while minimizing performance degradation in chemical and biological contaminated scenarios.

Mentoring Initiatives for At-Risk Children and Youth
Delaware Mentoring Council
University of Delaware, Newark, DE 19716

$750,000 to create stable mentoring programs in at least four school districts and ten schools throughout Delaware, with at least five schools in the city of Wilmington. The purpose of the project is to provide stability in the lives of at-risk youth, those living in poverty, and those facing substance abuse in their family, incarcerated parents, or even homelessness.
Millimeter Wave Imaging
University of Delaware
Hullihen Hall, University of Delaware, Newark, DE 19716

$1,360,000 for research, development, testing, and evaluation to develop real-time millimeter-wave imaging to allow U.S. soldiers to see in harsh conditions, including dust, fog, sand, and clouds. Millimeter wave imaging systems are able to image through smoke, fog, marine layer, blowing dust and sand, and fabric. The technology development is supported by the Office of Naval Research with the intent to deploy systems on military helicopters landing in harsh environments such as the “brownout” conditions faced when landing in the desserts of places such as Afghanistan and Iraq. It will also improve situational awareness of Naval vessels, particularly when close to the shore or at ports.

Ministry of Caring, Wilmington, DE
506 N. Church Street, Wilmington, DE 19801

$194,800 to renovate the Josephine Bakhita House to serve as residence for young adults committed to social responsibility and giving back to the community through one or two years of volunteer service of working within the Ministry of Caring’s network of 18 programs to serve the poor and the homeless. This is an invaluable way to gain job experience. This project not only promotes volunteerism, but will also assist those in need in Delaware.

Nanticoke Senior Center, Seaford, DE for facilities and equipment
Nanticoke Senior Center
301 N. Virginia Avenue, Seaford, DE 19973

$100,000 for the construction of new, 11,053 square foot Senior Services Center in the heart of Seaford, Delaware. The purpose of this project is to help provide a new approach to serving older adults through the expansion of services.

Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE for facilities and equipment
Nemours/Alfred I. duPont Hospital for Children
1600 Rockland Road, Wilmington, DE 19899

$350,000 for capital improvements by Nemours/Alfred I. duPont Hospital for Children. The purpose of this project is to upgrade and expand the only children’s hospital in Delaware, which also serves children from all over the U.S. and world who seek highly specialized services, in order to strengthen its ability to continue providing outstanding patient care.
New Castle County Courthouse Capitol Police Command Center and Lobby Surveillance Project
State of Delaware Capitol Police

$130,000 to be used to upgrade surveillance and purchase a system to coordinate dispatch operations within the Capitol Police Command Center of the New Castle County Courthouse to protect the 1 million people per year that pass through the courthouse.

New Castle County for Turkey Run Interceptor Improvements
New Castle County
87 Reads Way, New Castle, DE  19720

$300,000 to make capital improvements to the Turkey Run Interceptor sewer project. Funding will assist in accelerating the schedule of this critical project so as to provide protection for public health and the environment from problems caused by this failing sanitary sewer interceptor.

NIDS Handheld Common Identifier for Biological Agents
ANP Technologies, Inc.
824 Interchange Blvd., Newark, DE 19711

$2,400,000 for research, development, testing, and evaluation to develop a handheld device for detection of a variety of biological warfare agent related bacteria and viruses. According to the Report of the Commission on the Prevention of Weapons of Mass Destruction Proliferation and Terrorism (released in December 2008), a biological attack is more likely to be used by terrorists than any other weapons of mass destruction in the near future. The proposed handheld common identifier for biological agents will allow war fighters to perform rapid, on-site biological agent tests during threat situations.

Pennsylvania Avenue Improvement, Bethany Beach, DE
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

Authorizes a study with unspecified dollar amount on flooding in Bethany Beach, Del., and eventually address long-term flooding on major roads in this coastal town.

Phoenix Quad-Band Satellite Receiver for the Delaware National Guard
Delaware National Guard
First Regiment Road, Wilmington, DE 19805

$3,200,000 for a mobile communications terminal to provide the Delaware National Guard with improved high data rate exchanges between various satellites and ground communications systems in secure and non-secure digital formats.
Police Weapons Range Improvements
Wilmington Department of Police
300 N. Walnut Street, Wilmington, DE 19801-3973

$400,000 for mandatory improvements to the weapons range due to safety and environmental concerns, so that it can continue to be utilized for firearms training by multiple local, state, and federal agencies.

Prime Hook National Wildlife Refuge

$1,000,000 for U.S. Fish and Wildlife Service’s Land Acquisition, to acquire a 108-acre tract adjacent to the Prime Hook National Wildlife Refuge in Milton, Delaware. This project would protect a mix of wetlands and upland habitats and provide excellent endangered Delmarva fox squirrel habitat. The tract also provides important access for the Refuge for both recreation and management uses into an area of the Refuge that currently lacks access.

Red Clay Creek, Christina River Watershed, DE
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$237,000 to continue the investigation of the Christina River Watershed feasibility study. The purpose of the project is to continue investigation of flood damage reduction, ecosystem restoration, water quality control strategies.

Remediation and Reuse of Reclaimed Port Land
Diamond State Port Corporation
1 House Rd, Wilmington, DE 19801

$730,500 for the excavation and removal of decaying organic material and other debris left by a previous industrial activity, backfilling, surcharging and paving this 5 acre site for future cargo operations. Approximately 5 acres of Port land in close proximity to the wharf area is currently unavailable for cargo operations as a result of unstable substrate conditions that preclude working with heavy marine cargo in this area.

Rodel Foundation of Delaware, Wilmington, DE for the Delaware Parent Leadership Institute
Rodel Foundation of Delaware
100 W. 10th Street, Suite 704, Wilmington, DE 19801

$150,000 to expand leadership training for parents of Delaware public school students on how to advocate effectively for their children's education and partner effectively with their children's schools.
Special Operations Forces Modular Glove System
WL Gore & Associates
555 Paper Mill Rd., Newark, DE 19711

$4,780,000 to accelerate the fielding of the Modular Glove System for U.S. Special Operations Forces (SOF). This is a five piece system that provides the war fighter the necessary protection across a wide range of climactic conditions. Developed to be compatible with the SOF’s Protective Combat Uniform designed for frigid conditions, this SOF Modular Glove System provides cold weather protection to -50 degrees as well as waterproof protection in wet conditions. The Special Operations Command has an established requirement for a Modular Glove System to better meet the real-world mission needs of its SOF in a broad range of deployed environments. This funding would accelerate the fielding by about one year to ensure all U.S. SOF forces in theater have access to this high technology, readiness enhancing system.

St. Francis Hospital Foundation, Wilmington, DE for facilities and equipment
St. Francis Hospital Foundation
701 North Clayton Street, Wilmington, DE 19805

$175,000 to make urgently needed capital infrastructure improvements to St. Francis Hospital. The purpose of this project is to help St. Francis in its continued care of the community’s uninsured.

Survival Equipment for Delaware State Police
Delaware State Police
1441 N. DuPont Highway Dover, DE 19903

$125,000 to purchase equipment (30 shotguns, 30 handguns, and 150 vests) for the purpose of ensuring the safety and effectiveness of the officers providing law enforcement and the citizens they protect.

Sussex County Council for Johnson’s Corner Wastewater Improvement Project
Sussex County Council
2 The Circle, Georgetown, DE 19947

$300,000 to construct wastewater collection and transmission facilities to serve the Johnson’s Corner Sanitary Sewer District, located near the Assawoman Bay in Sussex County, DE, which is one of Delaware’s inland bays. The purpose of the project is to eliminate failing septic systems and extend wastewater service to over 400 residences, and reduce harmful nutrients from entering the Bay.
**Turnpike Improvement Project: SR-1 & I-95**
State of Delaware Department of Transportation
800 Bay Road, P.O. Box 778, Dover, DE 19903

$2,018,000 to improve the safety and efficiency of two major routes along the Northeast Corridor. It consists of three phases designed to improve the movement and safety of interstate, regional and local traffic through this heavily traveled intersection. The three phases include: a redesign of the I-95/SR-1 interchange, adding a fifth lane to I-95, and reconfiguring the I-95 toll plaza in Newark, DE, to incorporate Highway Speed E-ZPass toll lanes. This project is anticipated to reduce traffic congestion and improve overall safety.

**University of Delaware, Newark, DE for the Delaware Small Business and Technology Development Center**
University of Delaware
University of Delaware, Hullihen Hall, Newark, DE 19716

$350,000 to be used for training and consulting at the Delaware Small Business Development Center to enhance technology-based economic development in Delaware.

**University of Delaware Energy Institute**
University of Delaware
Hullihen Hall, Newark, DE, 19716

$500,000 for equipment, fellowships, and outreach for University of Delaware's Energy Institute. The purpose of the project is to expand and accelerate the deployment, demonstration and adoption of alternative energy sources and technologies that are more secure, abundant, and sustainable to help meet the nation's energy challenges.

**Vectored Thrust Ducted Compound Helicopter**
Piasecki Aircraft Corporation
2nd Street West, Essington, PA 19029

$5,000,000 to conduct flight demonstrations at New Castle County Airport in Delaware on the Vectored Thrust Ducted Propeller (VTDP) Compound Helicopter technology’s potential to increase rotorcraft speed, range, and survivability.

**Wesley College, Dover, DE, for renovation and equipping of the nursing school**
Wesley College
120 North State Street, Dover, DE 19901

$200,000 to construct a 22,000 square foot nursing facility or renovate an existing building. The purpose of this project is to enable Wesley College to increase the number of qualified nursing graduates to address the national, regional and statewide shortage of nurses.
White Clay Creek
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$200,000 to continue studying flood damage, local dam damage and altered channel segments in and around the White Clay Creek, a National Wild and Scenic River. This will allow for the preparation of a plan to address flooding and storm damage on this river.

Wilmington Harbor, Delaware
Army Corps of Engineers
The Wanamaker Building, 100 Penn Square East, Philadelphia, PA, 19107

$1,445,000 for aggressive management and capacity restoration of federal disposal areas and chemical and sediment testing within those areas. The purpose of this project is to increase capacity and manage disposal areas for Wilmington Harbor.

Wilmington to Newark Commuter Rail Improvement Program
State of Delaware Department of Transportation
800 Bay Road, P.O. Box 778, Dover, DE 19903

$3,000,000 to install a third commuter rail track along the northeast corridor, build a new Newark Rail Station, and purchase four commuter rail cars. This program expands capacity to permit expansion of commuter rail services and increases reliability of intercity and commuter rail services. It will also assist in significantly reducing traffic congestion along the northeast corridor.

Wind Turbine Infrastructure for Green Energy and Research on Wind Power in Delaware
University of Delaware
Hullihen Hall, Newark, DE, 19716

$1,000,000 for the one-time purchase and installation of a wind turbine to be used shore-side at the University of Delaware’s Lewes Campus. The purpose of this project is to help inform decisions about the viability and delivery of offshore renewable wind energy.

World Trade Center Institute Delaware, for the export assistance webinar series for business education, Wilmington, DE
World Trade Center Institute of Delaware
702 West Street Wilmington, DE 19801

$50,000 to produce webinars, or live web streaming of business seminars, at the World Trade Center Institute of Delaware. The purpose of the project is to make the information available to broad ranges of businesses and individuals.
X-49A Envelope Expansion Modifications
Piasecki Aircraft Corporation
2nd Street West, Essington, PA 19029

$3,600,000 to conduct flight demonstrations at New Castle County Airport in Delaware on the Vectored Thrust Ducted Propeller (VTDP) Compound Helicopter technology’s potential to increase rotorcraft speed, range, and survivability. These funds will cover the cost of design, fabrication, assembly, instrumentation and check out of propulsion and control system modifications that will enable flight beyond the current operating limits of the baseline conventional helicopter. Many current US combat and humanitarian operations require rotorcraft capabilities well beyond those of existing fleet helicopters.

FY 2010 Delaware Project Requests

Angola Neck Sanitary Sewer Project, Sussex County, DE
Sussex County Council
2 The Circle
Georgetown, DE 19947

$500,000 to construct wastewater collection and transmission facilities to serve the Angola Neck Sanitary Sewer District located on the Rehoboth Bay which is one of Delaware’s inland bays. The purpose of this project is to eliminate failing septic systems for 1360 residences, and eliminate harmful nutrients from entering the Bay.

ANP, NIDS Handheld Common Identifier for Biological Agents
ANP Technologies, Inc.
824 Interchange Blvd.
Newark, DE 19711

$4,000,000 for research, development, testing, and evaluation to develop a held device for detection of a variety of biological warfare agent related bacteria and viruses. According to the Report of the Commission on the Prevention of Weapons of Mass Destruction Proliferation and Terrorism (released in December 2008), a biological attack is more likely to be used by terrorists than any other weapons of mass destruction in the near future. The proposed handheld common identifier for biological agents will allow war fighters to perform rapid, on-site biological agent tests during threat situations.

Army Corps, Chesapeake and Delaware Canal
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$5,725,000 to support operation and maintenance efforts at the C&D Canal. The purpose of the funding is for bridge repairs and painting, and safety and maintenance of the C&D Canal, including the Recreation Trail.
Army Corps, Delaware Coast, Cape Henlopen to Fenwick Island, Rehoboth Beach and Dewey Beach
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$3,075,000 for periodic renourishment of Rehoboth Beach and Dewey Beach in Sussex County, Delaware. The purpose of the project is to reduce flood and coastal storm damage.

Army Corps, Delaware Coast Protection, Sand Bypass Plant, Indian River Inlet
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$1,400,000 to reimburse the State of Delaware for the Federal share of the annual operation and maintenance costs of the sand bypass plant and new plant facilities. The purpose is to support the periodic nourishment of the beach during the authorized period.

Army Corps, Delaware Coast, Cape Henlopen to Fenwick Island, Fenwick Island
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$3,075,000 for monitoring and to complete 2nd periodic nourishment cycle of Fenwick Island, in Sussex County, Delaware. The purpose of the project is to reduce flood and coastal storm damage.

Army Corps, Delaware Coast, Cape Henlopen to Fenwick Island, Bethany Beach to South Bethany
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$5,075,000 for the periodic renourishment of the Bethany Beach/South Bethany project area in Sussex County, Delaware. The purpose of this project is to reduce flood and coastal storm damage.
Army Corps, Delaware Bay Coastline, Broadkill Beach
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$4,575,000 to complete the initial construction of renourishment of the Broadkill Beach project area in Sussex County, Delaware. The purpose of this project is to reduce flood and coastal storm damage.

Army Corps, Delaware Bay Coastline, Pt. Mahon
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$2,950,000 to complete initial construction of the Port Mahon project area in Kent County, DE. The purpose of the project is to reduce flood and coastal storm damage and ecosystem restoration.

Army Corps, Harbor of Refuge, Lewes
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$1,375,000 to repair and re-enforce the federally owned offshore Harbor of Refuge Breakwater wall that has been badly damaged and weakened by storms. The purpose of the project is to restore the historic breakwater itself and preservation of the lighthouse, which provides sound storm protection for marine interests and erosion protection for the Lewes/Cape Henlopen area shoreline.

Army Corps, Intracoastal Waterway, Delaware River to Chesapeake Bay
Army Corps, Delaware Coastline, Roosevelt Inlet to Lewes Beach
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$2,175,000 for periodic renourishment of Roosevelt Inlet/Lewes Beach area located in Sussex County, Delaware. The purpose of the project is to reduce flood and coastal storm damage and for navigation mitigation.
Army Corps, Red Clay Creek, Christina River Watershed, DE
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$300,000 to continue the investigation of the Christina River Watershed feasibility study. The purpose of the project is to continue investigation of flood damage reduction, ecosystem restoration, water quality control strategies.

Army Corps, Wilmington Harbor, Christina River
Army Corps of Engineers, Philadelphia District
The Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107

$5,000,000 for aggressive management and capacity restoration of federal disposal areas and chemical and sediment testing within those areas. The purpose of this project is to increase capacity and manage disposal areas for Wilmington Harbor.

Beebe Medical Center, School of Nursing
Beebe Medical Center
424 Savannah Rd.
Lewes, DE 19958

$1,500,000 to construct a new 2-story School of Nursing building. The purpose of the project is to double Beebe's nursing enrollment to 120 students and train an additional 60 nurses to care for patients in Delaware and Delmarva.

Best Buddies, Programs for Children of Individuals with Disabilities
Best Buddies Delaware
1035 N. Lincoln Street, Suite 400
Wilmington, DE 19805

$200,000 to expand Best Buddies Delaware's presence in Delaware to enhance the lives of children and adults with intellectual disabilities.

BoardRoom Presentations, Bridging the Digital Divide for Delaware Students
BoardRoom Presentations, Inc.
6 Black Rock Road
Suite 107
Chadds Ford, PA 19317

$200,000 to improve academic achievement and economic opportunity by connecting Delaware households with school-aged children to computers.
Brandywine Park, “Sugar Bowl” Pavilion Restoration
Friends of Wilmington Parks
P. O Box 435
Montchannin, DE 19710

$225,000 for the restoration and reconstruction of the historic “Sugar Bowl” pavilion, in the Brandywine Park area of Wilmington, which has been on the National Historic Register since 1981. The purpose of the project is to enable use of the pavilion for concerts, including by the Delaware National Guard, and educational programs.

C & D Canal Trail Improvements
U.S. Army Corps of Engineers
Wanamaker Building, 100 Penn Square East
Philadelphia, PA 19107

$1,000,000 to transform over 13 miles of existing Army Corps service road on the northside of the Chesapeake and Delaware Canal - from Delaware City to Chesapeake City - into a multi-purpose recreation trail with associated amenities (trail heads, signage, and self-composting restroom facilities, and security). Creating a multi-purpose recreation trail on the existing service road would ensure a safer area for the residents of Delaware City (one of the fastest growing areas in the state of Delaware), Chesapeake City, and everywhere in between, to continue to enjoy the Canal.

Chesapeake Bay Interpretive Buoy System, (requested by Friends of the John Smith Chesapeake Trail)
NOAA Chesapeake Bay Office 410 Severn Avenue
Annapolis, MD 21403

$270,000 for use by NOAA to purchase, deploy, and operate a buoy and sensors on the Nanticoke River in Delaware, which is the largest Chesapeake Bay tributary on the Delmarva Peninsula, and is identified by NOAA as a priority location for the Chesapeake Bay Interpretive Buoy System (CBIBS). The purpose of this project is to provide real-time data and interpretation to further protect, restore, and manage the Chesapeake Bay.

Christiana Care Health System, Wilmington Hospital's Emergency Department
Christiana Care Health System
501 West 14th Street,
Wilmington, DE 19801

$1,500,000 for capital improvements to the Wilmington Hospital campus of Christiana Care Health System. The purpose of this project is to improve access and quality of care for the many residents of the City of Wilmington, the State of Delaware, and the surrounding States who rely on the services of Wilmington Hospital.
**DANG, C-130 Aircraft Maintenance Shops**  
Delaware Air National Guard  
2600 Spruance Drive  
New Castle, DE  19720-1615

$11,600,000 to replace the Delaware Air National Guard's engine maintenance shop, aircraft generation shop, aircraft maintenance unit shop area, and the non-destructive inspection shop area. With the higher operations tempo in recent years, the Guard's C-130 aircraft have supported regional, national, and global mission requirements which include providing air transportation for airborne forces, their equipment and supplies. Specifically, the aircraft of the Delaware Air National Guard also provide intra-theater airlift of personnel, equipment and supplies for tactical aeromedical evacuation within the theater of operations, as well as other inter-theater airlift of personnel and cargo. The ability to properly maintain the aircraft is critical to continue the effective support of these operations.

**DAFB, Chapel Center**  
Dover Air Force Base  
Dover, DE  19902

$5,000,000 to construct a new chapel center at Dover AFB. The current Dover AFB chapel center is an undersized, structurally substandard facility. A chapel is needed in proximity of dormitory residents because many single Airmen do not own transportation and the other base chapel is 20 minutes from the main base by foot. Airmen who work at the Port Mortuary would also utilize the new facility. An improved chapel is required to host families who come to the base to receive our fallen heroes. A new chapel center is needed to meet diverse worship, fellowship, and counseling needs of Dover AFB.

**DAFB, Consolidated Communications Facility**  
Dover Air Force Base  
Dover, DE 19902

$12,100,000 to construct a consolidated communications facility at Dover AFB. Currently, a comprehensive, integrated communications system is impeded by the fragmented location of related communications functions. Consolidating these functions into one hardened facility will improve manpower efficiency by approximately 25 percent. Consolidation and demolition of the old facilities will result in approximately $17,000 in annual energy savings.
DAFB, Maintenance Hangar Phase I  
Dover Air Force Base  
Dover, DE 19902

$28,000,000 to construct a single bay, full-in C-5 and C-17 aircraft maintenance hangar with phased back shops wrapped around the facility to sustain home station and en route missions at Dover AFB. Dover AFB hauls more channel cargo than the rest of Air Mobility Command's airlift bases combined. Without a new completely covered maintenance hangar, during harsh weather Dover AFB will suffer from longer maintenance turn-around times and additional maintenance labor requirements, which may impact the base's mission.

Delaware AeroSpace, Green Technology for Delaware AeroSpace Education Foundation's Learning Center and Museum  
Delaware AeroSpace Education Foundation  
5 Essex Drive  
Bear, DE 19701

$700,000 to purchase and install Green Energy Sources including Geothermal Heating, Photovoltaic Solar Electric Power and Solar Domestic Hot Water Heating Systems and a Wind Turbine Electric Generator to power Delaware AeroSpace Education Foundation's Earth System’s Learning Center and Museum in Bear, DE. The systems will serve as an instructional and demonstration conduit for school field trips and the general public.

Delaware Art Museum, Education and Community Outreach programs  
Delaware Art Museum  
2301 Kentmere Pkwy,  
Wilmington, DE 19806

$200,000 to provide students with direct experiences with original works of art and increase access to the museum by under-served populations and to help build strong relationships with the community, helping the museum fulfill its mission of becoming an essential community resource.

Delaware Bay Oyster Restoration  
Delaware Bay Oyster Revitalization Task Force  
Haskin Shellfish Research Laboratory  
6959 Miller Ave.  
Port Norris, NJ 08349

$1,000,000 to continue a large-scale shell-planting and seed-transplant program in the Delaware and New Jersey waters of the Delaware Bay. The purpose of the project is to increase the abundance of the oyster, improve bay water quality and habitat, and add new jobs and expand the oyster industry.
Delaware Capitol Police, Carvel State Building Video Surveillance Project
DE Capitol Police
150 William Penn Street
Dover, DE 19901

$75,000 to purchase and install digital video cameras and head end capturing and recording equipment at the Carvel State Building that houses the Governor's office, Lt. Governor's office, General Assembly offices, Supreme Court, Attorney General's office and numerous other state agencies. The purpose of this project is to enhance the Capitol Police ability to monitor, capture and retrieve video surveillance of the state facility to protect its occupants.

Delaware Chamber of Commerce, Update Conference Center Facilities
Delaware State Chamber of Commerce
1201 N. Orange Street, Suite 200
P.O. Box 671
Wilmington, DE 19899

$118,750 to provide equipment for a state of the art Conference Center for business meetings and presentations to members – 80% of which are small businesses.

Delaware Children's Museum, Construction
Delaware Children's Museum, Inc.
110 South Poplar Street Suite 103
Wilmington, DE 19801

$500,000 for renovations to the existing buildings in Wilmington and the construction of exhibits to create Delaware's first children's museum. This will assist in revitalizing the Christina Riverfront area.

Delaware Department of Technology and Information's School, Improvement Technology Switch Replacement
Department of Technology and Information
801 Silver Lake Blvd.
Dover, DE 19904

$1,000,000 for the purchase of equipment as well as the purchase of ancillary devices needed for computing operations in nearly 200 public school buildings throughout Delaware.
Delaware Futures, Preparing Urban Youth for College
Delaware Futures, Inc.
1104 North Adams St.
Wilmington, DE 19801

$200,000 to expand the Delaware Futures program to prepare more at-risk and economically disadvantaged urban youth for college.

Delaware River Basin, Commission Expenses
Delaware River Basin Commission
25 State Police Drive
P.O. Box 7360
West Trenton, NJ 08628

$715,000 to fulfill the federal obligation under current law to support the Delaware River Basin Commission’s expense budget. Purpose is to enable this federal-interstate compact government agency to implement important water resources management projects and activities that are in the national interest.

Delaware State Police, Expansion of Automated Fingerprint Identification System
DE State Police
1441 N. DuPont Highway
Dover, DE 19903

$500,000 to purchase 350 mobile Automated Fingerprint Identification devices for installation in patrol cars. The purpose of this project is to enable officers to immediately verify the identity of individuals who have been stopped or arrested.

Delaware State Police, In-Car Camera System
DE State Police
1441 N. DuPont Highway
Dover, DE 19903

$1,500,000 to purchase 350 digital in-car cameras for patrol fleet and centralized digital storage devices. The purpose of this project is to provide valuable evidentiary information in both criminal and civil processes.

Delaware State Police, Patrol Cars
DE State Police
1441 N. DuPont Highway
Dover, DE 19903

$1,500,000 to purchase 90 replacement patrol vehicles. The purpose of the project is to ensure the safety of law enforcement officers and the communities they protect.
Delaware State Police, Survival Equipment  
DE State Police  
1441 N. DuPont Highway  
Dover, DE 19903  

$148,800 to purchase equipment (30 shotguns, 30 handguns, and 150 vests) for the purpose of ensuring the safety and effectiveness of the officers providing law enforcement and the citizens they protect.

Delaware State University, Crime Scene Advanced Data Analytics Initiative  
Delaware State University  
1200 North DuPont Highway  
Dover, DE 19901  

$1,500,000 to advance visual and data analytics systems for the purpose of this program is to leverage existing technology incorporated into police departments in Delaware to help combat mobile and complex criminals and terrorists and enhance policing.

Delaware State University, Health Initiative  
Delaware State University  
1200 North Dupont Highway  
Dover, DE 19901  

$720,000 to establish a Masters Program in Public Health and incorporate new technologies into this initiative.

Delaware State University, Neuroscience Consortium  
Delaware State University  
1200 North Dupont Highway  
Dover, DE 19901  

$500,000 for engineering services and construction of research laboratories and animal facilities to support neuroscience research at Delaware State University. The purpose of the project is to support the creation of a state-wide network focused on brain disease and translational neuroscience that will maximize the effectiveness of neuroscience research in Delaware.
Delaware State University, Traffic Data Exchange Pilot Project
Delaware State University, Public Safety Office
1200 North DuPont Highway
Dover, DE 19901

$500,000 to link transportation related data from the Delaware Department of Transportation's Traffic Management Center and various public safety related data systems. This project will enhance critical information necessary for state and local officials to analyze and determine situational awareness on a day-to-day basis. This funding will help improve safety and alleviate traffic congestion.

Delaware Tech, Energy House
Delaware Technical and Community College
100 Campus Drive
Dover, DE 19903

$545,518 for building construction costs, furnishings and technology for an Energy House at Delaware Tech's Georgetown Campus. The purpose of this project is to create a demonstration facility to support energy education and workforce training programs for alternative and renewable technologies.

Delaware Technical Community College, Distance Learning Technology
Delaware Technical Community College
100 Campus Drive
Dover, DE 19903

$500,000 to expand the current number of Distance Learning Classrooms to two at each campus location that are currently running at maximum capacity during the spring and fall semesters as enrollment at the college continues to rise. This project would enable students at any campus locations to receive instruction from any campus.

Delaware Technical and Community College, Stanton Campus, Health Sciences Building
Delaware Technical and Community College
100 Campus Dr.
Dover, DE 19903

$1,500,000 to construct a 75,000 square foot health sciences education building at the Stanton Campus of Delaware Technical and Community College, which will house current and projected academic degree programs in the areas of biotechnology, nursing, allied health and the sciences. The purpose of the project is to help address the nursing shortage and the increasing labor needs of the healthcare community.
Delaware Tech, Terry Campus Child Development Center
Delaware Technical & Community College
100 Campus Drive
P.O. Box 897
Dover, DE 19903

$500,000 to construct a new 25,000 square foot expanded Child Development Center and Early Childhood Education Lab. The current space only allows for 86 kids, but 275 are on the waiting list. This project makes it possible for student parents to, especially low income, to afford quality childcare and attend college at the same time.

Delaware River Basin, Enhanced Flood Warning System
Delaware River Basin Commission
25 State Police Drive
Trenton, NJ 08628

$235,000 for enhancements to the Delaware River Basin’s flood warning system, including: (1) upgrades to the existing precipitation and stream gage network, (2) improvement of flash flood forecasting capabilities, (3) flood warning education and outreach, and (4) support of flood coordination. Following three Delaware River main stem floods, the continued development of an enhanced basin-wide flood warning system is critical for ensuring that the existing flood warning system is adequately maintained and that technological advancements are continued.

Delmarva Clergy United in Social Action, Health Development Center
Delmarva Clergy United in Social Action
13726 South Old State Rd
Ellendale, DE 19941

$250,000 for construction of a Health Development Center. The purpose of the project is to provide pregnant teens and young mothers who are suffering from substance abuse problems necessary tools for success.

DNG, Counterdrug Task Force
Delaware National Guard
First Regiment Rd
Wilmington, DE 19808

$300,000 to provide counterdrug support to federal, state, and local law enforcement agencies and to Community Based Organizations requesting Drug Demand Reduction Assistance. Funding will provide unique military support and resources to our police agencies which enables the police to concentrate more police resources to other priorities in their department. Increased funding from federal appropriations will permit the Delaware National Guard to provide support to open requests from the FBI, Delaware State Police, and local authorities. It will also enable the Delaware Guard to expand its Drug Education Program.
Dover, Public Library: New Anchor Library Building Project
City of Dover    City of Dover
15 Loockerman St
Dover, DE 19901

$500,000 to build a new public library in place of the 1961 library facility. This public library will serve as an anchor library for Kent County. The current facility hosts 1,000 visitors per day, but the space is inadequate. This project is beneficial to the community as studies have shown that each dollar spent on a public library yields $4 income for a community.

Dover, Wyoming Mill Road Realignment
City of Dover
15 E. Loockerman Street
Dover, DE 19901

$700,000 to realign Wyoming Mill Road and install a traffic signal, which will remove an existing safety and congestion problem in this area of the City. Pedestrian access in this area will also be significantly improved.

Dover, Lincoln Park Center & Clarence Street Extension
City of Dover
15 E. Loockerman Street
Dover, DE 19901

$1,000,000 to extend Clarence Street approximately 750 feet in a northerly direction which will significantly improve the efficiency of the downtown transportation system by creating a north-south connector, thereby extending the existing grid-system, improving access to transit, and expanding the sidewalk network. The road extension will foster redevelopment of an underutilized industrial area of the City.

Easter Seals Delaware, Sussex County Expansion
Easter Seals Delaware & Maryland's Eastern Shore
61 Corporate Circle
New Castle, DE 19720

$500,000 to finish 3,000 square feet of space in the Georgetown, DE facility. This will allow Easter Seals to serve more people with disabilities and expand education and outreach.
East Side Community Learning Center Foundation, Unfunded Supplemental Education Programs for Underserved Children to Improve Academic Performance
East Side Community Learning Center Foundation
3000 N. Claymont Street,
Wilmington, DE 19806

$125,000 for supplemental educational and enrichment programs at East Side Charter School to ensure their students succeed in school, work, and society.

E.I. Du Pont, Delaware Valley Fuel Cell Bus Project
E. I. du Pont de Nemours and Company
Chestnut Run Plaza
PO Box 80701
Wilmington, DE, 19880-0701

$1,000,000 to accomplish a multi-phase project to quickly achieve the U.S. Department of Transportation’s goal of cleaner, more renewable public transportation that will to lead to U.S. energy independence and will be cheaper to operate than petroleum based public transportation today. This initiative will seek to move public transportation technology to the next generation of sustainability by demonstrating the economic viability of hydrogen fuel cell buses in large metropolitan fleets. The result will be a blueprint that any municipality or transit authority can confidently use to realize the cost and air quality advantages of this mode of public transportation.

Elise R. Brown Family Life Center and Youth Project
Elise R. Brown Family Life Center, Inc.
2923 N. Tatnall Street
Wilmington DE 19801

$200,000 to expand into underserved targeted census tract to serve 75 additional children and 20 families per year through an academic, violence coping and life skills summer program targeted at ages 4-13 to close the academic achievement gap.

Facility Construction for Bilingual Early Care and Education Program
First Steps Primeros Pasos
P.O. Box 1003
Georgetown, DE 19947

$200,000 to support the construction and start-up costs for a bilingual early care facility designed to help children of non-English speaking families develop the language and skills needed to be successful when they reach kindergarten. This will benefit Georgetown, Delaware and its growing hispanic community. Upon opening, the center will serve 60 children.
**Forum to Advance Minorities in Engineering**  
FAME, Inc.  
100 W. 10th Street,  
Suite 409  
Wilmington, DE 19801  

$250,000 to prepare minority students for college - concentrating in Science, Technology, Engineering, Mathematics and business education.

**Fraunhofer, Army Plant Vaccine Development Program**  
Fraunhofer USA Center for Molecular Biotechnology  
9 Innovation Way  
Suite 200  
Newark, DE 19711  

$5,000,000 for research, development, testing, and evaluation to deliver a combined multivalent one-shot vaccine to protect the U.S. Armed Forces and civilian communities against plague and anthrax. This quick response ability can assist communities around the world with mass therapeutic treatment or for mass vaccination in the event of bioterrorist attack or natural disease outbreak such as an avian influenza.

**Functional Family Therapy for At-Risk Youth**  
Children and Families First  
2005 Baynard Blvd.  
Wilmington, DE 19802  

$500,000 for supplies and salaries needed to provide intensive community-based counseling and case management to youth ages 10-18 and their families in all three counties in Delaware. The purpose of the project is to improve family relationships, increases parent engagement, improves school attendance, and reduces involvement in the juvenile justice system and recidivism so that youth succeed.

**Gateway House, Homeless Men Reintegration Program**  
Gateway House, Inc.  
121 N Poplar Street  
Wilmington, DE 19801  

$181,600 to expand on supportive services for homeless men including for the in-house Drug and Alcohol Outpatient Treatment Program. The purpose of the project is to develop a program and a plan for more seamless delivery of services to homeless men including homeless veterans in Wilmington, DE.
Green Horizons - Redden Forest
Delaware Dept. of Natural Resources and Environmental Control
89 Kings Highway
Dover, DE 19901

$4,000,000 to acquire an additional 876 acres of private forestland as an addition to the Redden State Forest, the largest public forest in Delaware. Located in Sussex County, one of the fastest growing areas on the Atlantic Coast, this project will protect the forest from development, preserve open space, and complete the largest forest protection initiative in Delaware history.

Industrial Track Greenway
New Castle County
87 Reads Way
New Castle, DE 19720

$1,000,000 to construct a 4.5 mile multi-use trail to provide residents important recreational opportunities and commuting access. The project will construct a pedestrian bridge across the Christina River to connect the head of the trail at Christina Landing to the City of Wilmington. Funding will also be used to create a wildlife refuge boardwalk to protect and enhance the local flora, fauna, and natural habitat.

ILC Dover, Joint Services Aircrew Mask Don/Doff Inflight Upgrade
ILC Dover LP
One Moonwalker Road
Frederica, DE 19946-2080

$2,000,000 for research, development, testing, and evaluation of a Joint Services Aircrew Mask, which will provide above the neck Chemical, Biological, and Anti-G protection to DoD aircrew personnel. The mask is a hood that goes over the wearer’s head and seals at the neck. This project will enhance our military's mission capability while minimizing performance degradation in chemical and biological contaminated scenarios.

INVISTA, Improved Thermal Resistant Nylon for Enhanced Durability & Thermal Protection in Combat Uniforms
INVISTA S.à r.l.
2801 Centerville Road
Wilmington, DE 19808

$2,000,000 to increase the safety and protection of U.S. soldiers with improved flame resistant, durable, and lower cost materials for the U.S. Army combat uniforms. These improvements will meet an urgent need due to the threat of Improvised Explosives Devices (IED). This project will fund and accelerate research, development, testing, and evaluation for nylon fiber development, fiber formulation, fabric scale up and performance blend specification for U.S. Army combat uniforms.
Jewish Family Services,  Aging-in-Place Services Project  
Jewish Family Services of Delaware  
99 Passmore Road  
Wilmington, DE 19803

$300,000 for Jewish Family Services of Delaware's Naturally Occurring Retirement Community (NORC) demonstration project. The purpose of the project is to assist older adults to age-in-place and begin to build elder-friendly communities for 12,068 individuals in New Castle County.

Jobs for DE graduates, Expand Available Services  
Jobs for Delaware's Graduates, Inc.  
381 W. North Street  
Dover, DE 19904

$750,000 to expand Jobs for Delaware Graduates (JDG) programs to 1,320 additional "at-risk" students in Middle School and High School for the purpose of increasing school graduation rates.

Johnson’s Corner Sanitary Sewer District Project  
Sussex County Council  
2 The Circle  
Georgetown, DE 19947

$1,000,000 to construct wastewater collection and transmission facilities to serve the Johnson’s Corner Sanitary Sewer District, located near the Assawoman Bay in Sussex County, DE, which is one of Delaware’s inland bays. The purpose of the project is to eliminate failing septic systems and extend wastewater service to over 400 residences, and reduce harmful nutrients from entering the Bay.

Josephine Bakhita House, Renovation Project  
Ministry of Caring  
506 N. Church Street  
Wilmington, DE 19801

$500,000 to renovate the Josephine Bakhita House to serve as residence for young adults committed to social responsibility and giving back to the community through one or two years of volunteer service of working within the Ministry of Caring’s network of 18 programs to serve the poor and the homeless. This is an invaluable way to gain job experience. This project not only promotes volunteerism, but will also assist the needy in Delaware.
Kappa Achievement Community Center
Kappa Mainstream Leadership, Inc.
P.O. Box 25388
Wilmington, DE 19899

$500,000 to complete the community center building structure in Wilmington and provide equipment to help those with social economic problems in the community (annual income 30 percent below poverty). After the structure is built, the center will implement youth mentoring programs, youth safe haven, basic computer training, and health care education programs. It is anticipated that in the first year, 2,000 low income individuals will be served.

Kelly Heinz-Grundner Brain Tumor Foundation, Medical Education Program
Kelly Heinz-Grundner Brain Tumor Foundation
300 Water Street, Suite 103
Wilmington, DE 19801

$300,000 to design, develop, utilize and manage a web-based training program to educate medical professionals (primary care physicians, nurses and pediatricians) on the symptoms of a brain tumor. The purpose of project is to increase awareness of important facts related to the disease and the proper diagnosis techniques.

Mentoring Initiatives for At-Risk Children and Youth  Delaware Mentoring Council
Delaware Mentoring Council, UD
Delaware Mentoring Council
University of Delaware
Newark, DE 19716

$750,000 to create stable mentoring programs in at least four school districts and ten schools throughout Delaware, with at least five schools in the city of Wilmington. The purpose of the project is to provide stability in the lives of at-risk youth, those living in poverty, and those facing substance abuse in their family, incarcerated parents, or even homelessness.

Milford Food Bank, Expansion
Food Bank of Delaware
14 Garfield Way
Newark, DE 19713

$500,000 to expand the Milford facility to in Kent and Sussex Counties. Expansion will include a full service kitchen to serve hot meals to those in need, a volunteer room for recruiting and meetings, a culinary school to provide job training for the unemployed, and more office space so that more jobs can be created.
Milford, Neighborhood Revitalization
City of Milford
201 South Walnut Street
Milford, DE 19963

$500,000 to pave streets, install sidewalks, provide grants for first-time homebuyers, and planting trees to revitalize an older neighborhood in Milford.

Millville Police Department, Interim Headquarters
Town of Millville
11 Club House Road
Millville, DE 19967

$450,000 for equipment and leasing space to be utilized until the creation of a permanent stand-alone police department for the town of Millville is erected. The purpose of this project is to ensure the safety of the town's residents and its many visitors.

Music School of Delaware, Sustaining Sound Future Capital Campaign
The Music School of Delaware
4101 Washington Street
Wilmington, DE 19802

$200,000 to purchase musical instruments and other music-related equipment for the school's music library.

Nanticoke Senior Center Building Campaign
Nanticoke Senior Center
301 N. Virginia Avenue
Seaford, DE 19973

$750,000 to help provide a new approach to serving older adults by through the expansion of services. Funding will be used for the construction of new, 11,053 square foot Senior Services Center in the heart of Seaford, Delaware.

Nemours and A. I. duPont Hospital for Children, Expansion
Nemours/A. I. duPont Hospital for Children
1600 Rockland Road
P.O. Box 269
Wilmington, DE 19899

$1,500,000 for capital improvements by Nemours/Alfred I. duPont Hospital for Children. The purpose of this project is to upgrade and expand the only children’s hospital in Delaware, which also serves children from all over the U.S. and world who seek highly specialized services, in order to strengthen its ability to continue providing outstanding patient care.
Newark Day Nursery, Capital Campaign for Early Education/School Age Classroom/Center Renovations
Newark Day Nursery and Children's Center
921 Barksdale Road
Newark, DE 19711

$50,000 for capital improvements to ensure capacity to meet the highest early childhood and school age educational standards to meet their mission of serving children from low-income families. It is estimated that this project will expand services to 330 new nursery children and 55 Head Start children with 220 children receiving healthier meals daily.

New Castle County Chamber of Commerce, Emerging Enterprise Center (EEC)
New Castle County Chamber of Commerce
12 Penns Way
New Castle, DE 19720

$400,000 to outfit the incubator space for the purpose of attracting appropriate companies for incubation and for reaching full capacity.

New Castle County, Knollwood Interceptor Improvements
New Castle County
87 Reads Way
New Castle, DE 19720

$500,000 to accelerate completion of capital improvements to Knollwood Interceptor sewer project in New Castle County, DE. The purpose of this project is to provide protection for public health and the environment from problems caused by this failing sanitary sewer interceptor.

New Castle County, Turkey Run Interceptor Improvements
New Castle County
87 Reads Way
New Castle, DE 19720

$1,000,000 to make capital improvements to the Turkey Run Interceptor sewer project. Funding will assist in accelerating the schedule of this critical project so as to provide protection for public health and the environment from problems caused by this failing sanitary sewer interceptor.
**New Castle Public Library, Expansion/Renovation**
New Castle Public Library  
424 Delaware Street  
New Castle, DE 19720

$500,000 to increase the size of the library from 8,000 square feet to 22,000 to make it more handicapped accessible, and make room for expanding collections. Expansions will also house meeting rooms for teen and civic groups, more computer space, and children's reading rooms. This library serves low to middle income communities and aging populations.

**Nutrient Water Quality Model for the Delaware Estuary and Bay**
Delaware River Basin Commission  
25 State Police Drive  
Trenton, NJ 08628

$250,000 to develop, calibrate and utilize a nutrient model for the Delaware Estuary and Bay, in order to establish controls for point and non-point sources. The purpose of project is to control nutrients, which has been determined by the U.S. EPA to be a priority water quality issue.

**Piasecki, X-49A Envelope Expansion Modifications**
Piasecki Aircraft Corporation  
2nd Street West  
Essington, PA 19029

$2,000,000 to conduct flight demonstrations at New Castle County Airport in Delaware on the Vectored Thrust Ducted Propeller (VTDP) Compound Helicopter technology’s potential to increase rotorcraft speed, range, and survivability. These funds will cover the cost of design, fabrication, assembly, instrumentation and check out of propulsion and control system modifications that will enable flight beyond the current operating limits of the baseline conventional helicopter. Many current US combat and humanitarian operations require rotorcraft capabilities well beyond those of existing fleet helicopters.

**Port of Wilmington, Flood Water Abatement**
Diamond State Port Corporation  
1 Hausel Road  
Wilmington, DE 19801

$750,000 for a flood water abatement project at the Port of Wilmington. The purpose of this project is to address a persistent flood problem.
Quantum Leap, Integrated Warfighter Biodefense Program
Quantum Leap Innovations, Inc.
3 Innovation Way, Suite 100
Newark, DE 19711

$5,000,000 will be used for research, development, testing, and evaluation of technologies that can be deployed in support of military operations that face new risks from asymmetrical threats, such as Pandemic Influenza. The U.S. Navy is requesting that the project develop solutions to monitor these emergent threats and provide early detection and casualty reduction for U.S. forces. The requested funds will enable the project to be focused on health issues arising from deployment of military personnel to Afghanistan and Iraq; specifically the link between psychological health and Traumatic Brain Injury. To date, the project has resulted in novel technologies that have been applied to emerging health threats to military personnel by organizations and agencies within the Department of Defense in support of force health protection.

Rodel Foundation, Delaware Parent Leadership Institute
Rodel Foundation of Delaware
100 W. 10th Street
Suite 704
Wilmington DE 19801

$250,000 to expand leadership training for parents of Delaware public school students on how to advocate effectively for their children's education and partner effectively with their children's schools.

Rodel Foundation, Delaware Teach For America
Rodel Foundation of Delaware
100 W. 10th Street,
Suite 704
Wilmington, DE 19801

$150,000 to support 20 Teach for America corps members to serve in the highest-need schools in Wilmington, Delaware, benefitting approx. 2,000 students in its first year.

Russell W. Peterson Urban Wildlife Refuge Trails System
Riverfront Development Corporation of Delaware
815 Justison Street
Wilmington, DE 19801

$500,000 for the construction of a pedestrian bridge and boardwalk at the Russell W. Peterson Urban Wildlife Refuge. The purpose of this project is to provide access for recreation, public education and observation of the restoration and enhancement and preservation of the marshland area. The marsh restoration was completed in 2005 and the Wildlife Education Center is nearing completion.
State of Delaware, Delmarva Conservation Corridor Demonstration Project /Chesapeake Bay Program for Sediment Control
Delaware Department of Agriculture
Tatnall Building
William Penn Street, Dover, DE, 19901

$500,000 to implement specific components of the DCCDP in Delaware, to improve the economic viability of agriculture and the environmental health of Delaware's watersheds.

State of Delaware, Indian River Inlet Bridge
State of Delaware Department of Transportation
800 Bay Road, P.O. Box 778
Dover, DE 19903

$3,000,000 for the construction of a new bridge along State Route 1 over the Indian River Inlet. The replacement bridge will alleviate the safety risk caused by the present scour conditions at the foundations. The new structure will completely span the inlet with all foundation members constructed on dry land. The proposed alignment will be west of the existing bridge at a critical evacuation route in the event of natural disasters.

State of Delaware, Fixed Route Transit Buses
State of Delaware Department of Transportation
800 Bay Road
P.O. Box 778
Dover, DE 19903

$2,000,000 to replace fixed route transit coaches which were purchased in 1996. This is part of a comprehensive bus replacement schedule to ensure safe and efficient transportation equipment is used for fixed route services. The project will enable the Delaware Transit Corporation to continue to provide a high level of service to Delaware residents. DTC provides 10 million passenger trips annually with 14.9 million service miles and serves all three counties.

State of Delaware, New Castle County Courthouse Capitol Police Command Center and Lobby Surveillance Project
Delaware Capitol Police
150 William Penn Street
Dover, DE 19901

$130,000 to upgrade surveillance and purchase a system to coordinate dispatch operations within the Capitol Police Command Center of the New Castle County Courthouse to protect the 1 million people per year that pass through the courthouse.
State of Delaware, Poultry and Animal Health Laboratory
Delaware Department of Agriculture
Tatnall Building
William Penn Street
Dover, DE, 19901

$2,000,000 to fully equip and modernize the lab in order to protect Delaware's animal industries (including food animals and poultry, horse-racing industry, and companion animals) and therefore public health of Delawareans.

State of Delaware, Secure Facilities Security Systems
Delaware Department of Services for Children, Youth, and Their Families
State of Delaware
Tatnall Building
William Penn Street
Dover, DE, 19901

$1,500,000 installing security cameras, intercoms, card access (including doors) and guard tour devices in the New Castle County Secure Juvenile Detention Center (NCCDC), Ferris School, and Stevenson House Detention Center. The purpose of this project is to create a uniform system throughout these three facilities to maintain safety and prevent security breaches.

State of Delaware, Turnpike Improvement Project
State of Delaware Department of Transportation
800 Bay Road, P.O. Box 778
Dover, DE 19903

$10,000,000 to improve the safety and efficiency of two major routes along the Northeast Corridor. It consists of three phases designed to improve the movement and safety of interstate, regional and local traffic through this heavily traveled intersection. The three phases include: a redesign of the I-95/SR-1 interchange, adding a fifth lane to I-95, and reconfiguring the I-95 toll plaza in Newark, DE, to incorporate Highway Speed E-Z Pass toll lanes. This project is anticipated to reduce traffic congestion and improve overall safety.

State of Delaware, Vision 2015 Network
Department of Education
401 Federal Street, Suite 2
Dover, DE 19901

$250,000 for the training, mentoring, and coaching of superintendents, principals, and other leaders within the Vision 2015 Network to sharpen their focus on data and realign their time and resources to maximize student achievement.
State of Delaware, Wilmington to Newark Commuter Rail Improvement Program
State of Delaware, Department of Transportation
800 Bay Road, P.O. Box 778
Dover, DE 19903

$5,000,000 to install a third commuter rail track along the northeast corridor, build a new Newark Rail Station, and purchase four commuter rail cars. This program expands capacity to permit expansion of commuter rail services and increases reliability of intercity and commuter rail services. It will also assist in significantly reducing traffic congestion along the northeast corridor.

St. Francis Hospital Foundation, Capital infrastructure improvements
St. Francis Hospital Foundation
701 North Clayton Street,
Wilmington, DE  19805

$465,000 to make urgently needed capital infrastructure improvements to St. Francis Hospital. The purpose of this project is to help St. Francis in its continued care of the community’s uninsured.

Textronics, Garment-Based Physiological Monitoring Systems
Textronics, Inc.
3825 Lancaster Pike
Suite 201
Wilmington, DE 19805

$2,000,000 for research, development, testing, and evaluation of a new generation of wearable physiological-monitoring garments that will afford comfortable, accurate and real-time remote monitoring of a war fighter’s heart rate, respiration, activity and other physiological parameters. The U.S. Army faces a critical need to determine real-time conditions (e.g. heart rate, respiration, activity, temperature, etc.) of the war fighter to address immediate medical attention needs and improve performance. The Army has requested such real-time physiological monitoring, which offers the capability to promptly detect and classify combat injuries and/or health problems.

TNT Video, Emergency Response Protocol (ERP) Mapping Orientation Software
TNT Video
Multimedia, and Television Productions
101 West Ayre St.
Newport, DE 19804

$750,000 for the Emergency Response Mapping (ERP) project would expand this technology into as many as 21 at-risk schools across Delaware. The purpose of this project is to give first responders and orientation and mapping system to assist incident commanders on the scene of a crisis.
Transportation Workers Identification Credential Electronic Escort Program
Diamond State Port Corporation
1 Hausel Road, Wilmington, DE 19801

$1,000,000 for security upgrades at the Port of Wilmington. Specifically, funding would be used to expand the existing physical barriers that protect restricted areas and add an additional 152 cameras throughout the interior and exterior areas of the port. These security upgrades are all related to requirements put forward by the Federal Government and U.S. Coast Guard and stem from the 9/11 Commission Report, which called for greater security at our nation's sea ports of entry. These upgrades will aid the Port of Wilmington in meeting the Transportation Workers Identification Credentials (TWIC) compliance as mandated by the Maritime Transportation Security Act of 2002 and then amended by the Security and Accountability for Every Port Act of 2006 (SAFE).

University of Delaware, Advanced Composite Maritime Manufacturing
Hullihen Hall
University of Delaware
Newark, DE 19716

$2,000,000 to research and develop design, engineering and manufacturing technologies for U.S. Navy ship structures based on advanced lightweight composite materials. The objective of this project is to keep Navy, SOCOM (Special Operations Command), and Coast Guard craft at the forefront of technology, and help insure superiority of the US military in the water over current and future adversaries. The application of these materials and technologies will provide ship structures that are optimally engineered, and manufactured using state-of-the-art methods to provide the highest performance at the lowest cost.

University of Delaware, Avian Bioscience
University of Delaware
Hullihen Hall
Newark, DE 19716

$500,000 to upgrade Delaware's existing diagnostic facility. Delmarva is the nation's leader in the research, development, and implementation of successful avian influenza (AI) surveillance and response plans to protect poultry and human health. The University of Delaware, through its College of Agriculture and Natural Resources, is central to Delmarva's preparedness for AI.
University of Delaware, Cardiovascular Research Center
University of Delaware
Hullihen Hall,
Newark, DE  19716

$1,200,000 for the one-time purchase of research equipment and supplies for a new laboratory including, an X-ray irradiator, a multi-color flow cytometer, which will support the recently established Delaware Cardiovascular Research Center (DCRC). The purpose of this project is to dramatically expand the scope of cardiovascular biology research in the Delaware, and speed the translation of laboratory research into clinical care.

University of Delaware, Composite Applied Research and Technology for FCS and Tactical Vehicle Survivability
Hullihen Hall
University of Delaware
Newark, DE 19716

$3,000,000 to rapidly advance the Technology Readiness Level of existing and promising new ultra-lightweight composites structures and armor for combat and light, medium and heavy tactical vehicle applications. Using heavy materials such as steel and aluminum will continue to result in vehicles that are too heavy to transport and will overload vehicles that reduces life, increases maintenance costs and requires more frequent vehicle replacement. The project is addressing the critical needs of the US Army to protect our soldiers and provide them with the best equipment to carry out their missions. Lightweight composite vehicle structures and armor increase mobility and mission payloads while increasing soldier protection against direct fire, improvised explosive devices and explosively formed penetrators.

University of Delaware, Cybersecurity in Tactical Environments
Hullihen Hall
University of Delaware
Newark, DE 19716

$500,000 for research, development, testing and evaluation to detect vulnerabilities and intrusions in the U.S. Army’s battlefield networks. The U.S. Army uses mobile computer networks to both communicate between soldiers, and between soldiers and their weapons systems. This concept is called network centric warfare, and the security and availability of this network is critical to combat operations. The project will focus on detection of data exfiltration in tactical networks, intrusion detection in mobile ad-hoc networks, detection of malicious hardware and software components, and detecting security threats in commercial off the shelf (COTS) wireless networking equipment.
University of Delaware, Delaware Biotechnology Institute
University of Delaware
107 Hullihen Hall
Newark, DE 19716

$1,500,000 to support life science research infrastructure at the Delaware Biotechnology Institute (DBI). The purpose of the project is to promote research, education, and technology transfer for biotechnology applications to the benefit of the environment, agriculture, and human health.

University of Delaware, Delaware Small Business and Technology Development Center
University of Delaware
Hullihen Hall
Newark, DE 19716

$300,000 for training and consulting at the DSBDC to enhance technology-based economic development in Delaware.

University of Delaware, Energy Institute
University of Delaware
Hullihen Hall
Newark, DE 19716

$1,500,000 to be used for equipment, fellowships, and outreach for University of Delaware's Energy Institute. The purpose of the project is to expand and accelerate the deployment, demonstration and adoption of alternative energy sources and technologies that are more secure, abundant, and sustainable to help meet the nation's energy challenges.

University of Delaware, Fuel Cell Hybrid Bus Program
University of Delaware
Hullihen Hall
Newark, DE 19716

$1,000,000 for a program to research, build and demonstrate fuel cell hybrid buses on the UD campus and in the state of Delaware. The objective is for the project's efficient and uniquely low-cost design of fuel cell transit buses to spur commercialization of this technology which will help reduce our nation’s dependence on foreign oil and enable the US to meet its goal of greenhouse gases reductions.
University of Delaware, Millimeter Wave Imaging
Hullihen Hall
University of Delaware
Newark, DE 19716

$1,900,000 for research, development, testing, and evaluation to develop real-time millimeter-wave imaging to allow U.S. soldiers to see in harsh conditions, including dust, fog, sand, and clouds. Millimeter wave imaging systems are able to image through smoke, fog, marine layer, blowing dust and sand, and fabric. The technology development is supported by the Office of Naval Research with the intent to deploy systems on military helicopters landing in harsh environments such as the “brownout” conditions faced when landing in the deserts of places such as Afghanistan and Iraq. It will also improve situational awareness of Naval vessels, particularly when close to the shore or at ports.

University of Delaware, Persistent Surveillance Using Unmanned Millimeter Wave Imaging Platforms
Hullihen Hall
University of Delaware
Newark, DE 19716

$1,600,000 for research, development, testing and evaluation of a millimeter-wave (mmW) imaging system mounted on unmanned aerial vehicle (UAV) platform for persistent surveillance and reconnaissance. Thanks to the ability of mmWs to penetrate dust, smoke, clouds, rain, sand, and ground up to a few inches, they are ideally suited for such tasks. The U.S. Army project will be carried out in close collaboration with the Office of Naval Research. By providing all-weather, persistent imagery of theater, the project will provide immediate battle damage assessment, situation awareness, and Intelligence, Surveillance, Reconnaissance capabilities.

University of Delaware, Radio Frequency Propagation in Urban Environments
Hullihen Hall
University of Delaware
Newark, DE 19716

$200,000 to develop new capabilities for soldiers to increase their situational awareness in urban settings. The requested funding will be used to further the U.S. Army’s abilities to allow U.S. soldiers outside of a building in a city to be able to learn something about what is inside the building by receiving the radio signals emitting from the building. The project will seek a better understanding of how radio signals coming from a building in a complex radio environment such as a city look to a radio receiver in the street outside.
University of Delaware, Smart Sensor Dust
Hullihen Hall
University of Delaware
Newark, DE 19716

$1,300,000 to develop a nano-photonic sensor technology or “smart sensor dust” for the purpose of conducting environmental sensing and monitoring of airborne chemical and/or biological threats. This technology employs airborne nano-photonic particles whose optical properties change in response to specific chemical and biological agents and can be probed using inexpensive ground based monitoring stations. Many military facilities lack the capability to conduct real-time detection and identification of airborne chemical/biological threat contaminants. The University is working with the U.S. Navy to provide a safe, effective and inexpensive detection system so that appropriate countermeasures can be taken.

University of Delaware, Survey
University of Delaware
210 Hullihen Hall
Newark, DE 19716

$66,974 to assess school students and high risk subpopulations of youth using data collected through school surveys. The purpose of the project is to provide special analysis of juvenile violence, substance use and delinquency related to incidence and prevalence, exposure to similar behaviors at home, school and neighborhood and transmission of patterns, with additional focus on domestic/intimate partner violence, substance use, and sexual risk behaviors leading to adolescent pregnancy.

University of Delaware, Weinberg Center Initiative on the Identification and Prevention of Corporate Fraud
University of Delaware
Hullihen Hall
Newark, DE 19716

$500,000 for research and development costs to generate new knowledge of fraudulent practices by corporate executives and examine governance practices to reduce these incidents. The purpose of this project is to help identify and prevent corporate fraud so that financial damages to the taxpayer are avoided.
University of Delaware, Wind Turbine Infrastructure for Green Energy and Research on Wind Power in Delaware
University of Delaware
Hulliheen Hall
Newark, DE  19716

$3,658,200 for the one-time purchase and installation of a wind turbine to be used shore-side at the University of Delaware’s Lewes Campus. The purpose of this project is to help inform decisions about the viability and delivery of offshore renewable wind energy.

Urban League, Achievement Matters! Campaign
Metropolitan Wilmington Urban League
100 W. 10th Street,
Suite 710,
Wilmington DE 19801

$110,000 to expand the Achievement Matters! program. The Achievement Matters! Campaign provides community and school based interventions for low income and minority students in one of Wilmington's most historically neglected neighborhoods.

Wesley College, Nursing school
Wesley College
120 North State Street
Dover, DE 19901

$1,167,000 to construct a 22,000 square foot nursing facility or renovate an existing building. The purpose of this project is to enable Wesley College to increase the number of qualified nursing graduates to address the national, regional and statewide shortage of nurses.

Widener University, Center on Victim Education, Advocacy, and Research
Widener University
One University Place
Chester, PA 19013

$700,000 for Widener University School of Law in Wilmington, DE for training seminars, community service programs, to develop a clearinghouse on domestic violence, and recruit lawyers for pro bono assistance to aid victims of domestic violence. The purpose of this program is to improve the capacity the legal community in the State of Delaware can offer to survivors of intimate violence.
**Wilmington, Waste Water Treatment Plant (WWTP)**
City of Wilmington
Louis L. Redding City/County Building
800 French Street
Wilmington, DE 19801

$1,000,000 to install flow meters on the existing City and County forcemains at the WWTP. The purpose of the flow meters is to reduce the volume of Combined Sewer Overflows (CSOs) and improve water quality in the rivers, impacting over 400,000 residents (including 72,862 in the City of Wilmington) that discharge to the WWTP.

**Wilmington Police Department, Police Weapons Range Improvements**
Wilmington PD
300 N. Walnut Street
Attn: Human Resources
Wilmington, DE 19801-3973

$1,500,000 for mandatory improvements to the weapons range due to safety and environmental concerns, so that it can continue to be utilized for firearms training by multiple local, state, and federal agencies.

**WL Gore, Special Operations Forces (SOF) Modular Glove System**
WL Gore & Associates
555 Paper Mill Rd.
Newark, DE 19711

$5,000,000 to accelerate the fielding of the Modular Glove System for U.S. Special Operations Forces (SOF). This is a five piece system that provides the war fighter the necessary protection across a wide range of climactic conditions. Developed to be compatible with the SOF’s Protective Combat Uniform designed for frigid conditions, this SOF Modular Glove System provides cold weather protection to -50 degrees as well as waterproof protection in wet conditions. The Special Operations Command has an established requirement for a Modular Glove System to better meet the real-world mission needs of its SOF in a broad range of deployed environments. This funding would accelerate the fielding by about one year to ensure all U.S. SOF forces in theater have access to this high technology, readiness enhancing system.
World Trade Center Institute, Export Assistance Webinar Series for Business Education
World Trade Center Institute of Delaware
702 West Street
Wilmington, DE 19801

$272,000 to produce webinars, or live web streaming of business seminars, at the World Trade Center Institute of Delaware. The purpose of the project is to make the information available to broad ranges of businesses and individuals.

Delaware High Priority Projects Submitted for 2009 Surface Transportation Authorization Bill:

Delaware Department of Transportation, Chesapeake and Delaware Canal Trail Project
800 Bay Road, Dover, DE 19903

$12 million to construct a multi-purpose recreation trail with trail heads, restrooms, signs, gates, security, and parking on an existing Army Corps service road along the north-side of the Chesapeake and Delaware Canal from Delaware City, DE to Chesapeake City, MD. Creating a multi-purpose recreation trail on the existing service road will ensure a safer area for the residents in the growing communities of Delaware City and Chesapeake City to continue to enjoy the Canal.

Delaware Department of Transportation, Interstate 95 Interchange at State Route 1 Project
800 Bay Road, Dover, DE 19903

$145.6 million to design, acquire right-of-way, and construct high speed connecting ramps from both Northbound State Route 1 to Northbound Interstate 95 and from Southbound Interstate 95 to Southbound State Route 1 in Delaware. SR-1 and I-95 are the two primary roadways serving the State of Delaware, with SR-1 serving as the primary north-south route to points on the Delmarva Peninsula and I-95 serving as the primary east-west route, a major corridor between Washington and New York. The interchange improvements are critical to the operational needs of both the interstate and intrastate users and will greatly increase the safety and efficiency of the interchange.
Delaware Department of Transportation, Northeast Corridor Improvement Project
800 Bay Road, Dover, DE 19903

$20.3 million to add capacity for commuter rail service on the Amtrak Northeast Corridor in Delaware. The project includes installation of a third track along an approximately one mile section of the Corridor south of Wilmington. The current two-track configuration is a significant capacity constraint. It will also relocate the Newark commuter rail station, which will allow for expanded commuter parking, improved station facilities, a high-level boarding platform, accessibility for all users, and enhanced commuter rail service.

Delaware Department of Transportation, US Route 301 Project
800 Bay Road, Dover, DE 19903

$102 million to construct a new Rt. 301 to eliminate a poor alignment off the Summit Bridge, thereby limiting accidents. Route 301 serves as a corridor along the Eastern Shore of Maryland into Delaware to points along the I-95 Corridor in the northeast. It is a major route of commerce for Maryland and Delaware. The project will also lessen the time for travelers to reach State Route 1, another major highway, thereby alleviating congestion and cutting emissions.

Delaware Department of Transportation, West Dover Connector Project
800 Bay Road, Dover, DE 19903

$15.6 million to improve mobility to and from the west side of Dover, reduce congestion at key intersections, improve safety including emergency service access, and improve connectivity of the roadway network. Under existing conditions, the roadway system does not efficiently collect and distribute traffic from the local streets to the collector roadways in the system.

New Castle County, Industrial Track Greenway Project
87 Reads Way, New Castle, DE 19720

$2 million to construct a 4.5 mile multi-use trail to provide residents important recreational opportunities and commuting access. Funding will be used to construct a pedestrian bridge across the Christina River to connect the head of the trail at Christina Landing to the City of Wilmington and to construct a wildlife refuge boardwalk at the trail head in Wilmington.

Delaware Projects Submitted for 2010 Water Resources Development Act:
The Act authorizes all U.S. Army Corps of Engineers' activity, including water resources studies and projects for navigation, flood and storm protection, ecosystem restoration, recreation, and other purposes. Member requests to authorize certain projects are made to the House Committee on Transportation and Infrastructure for their consideration. Any project authorized in the Act will still be subject to available funding through the annual Appropriations bills.
**Chesapeake Bay Environmental Restoration and Protection Program**  
Maryland Department of Natural Resources  
580 Taylor Avenue, Annapolis, MD 21401

Authorize an increase from $40 million to $50 million to strengthen and expand the Chesapeake Bay Environmental Restoration and Protection Program, established in Sec 510 of WRDA 1996 to further improve the water quality and the health of the natural ecosystems in the Chesapeake Bay, which are in peril.

**Chesapeake and Delaware Canal Recreation Trail**  
Delaware Department of Transportation  
800 Bay Road, Dover, DE 19901

Authorize $12.5 million for the construction of a multi-purpose recreation trail, as outlined in Corps' Report, Chesapeake & Delaware Canal Trail Concept Plan, March '06, to improve safe recreation opportunities for communities in this region.

**Delaware Bay Oyster Restoration**  
Partnership for Delaware Estuary  
110 S. Poplar St., Wilmington, DE 19801

Authorize an additional $5 million to be expended for the Delaware Bay Oyster Restoration Project in Delaware Bay, which is currently being carried out under Sec. 1135 of WRDA 1986, and which will increase the abundance of the oyster with concomitant improvements in bay water quality and habitat, as well as improve the economic base for the most impoverished coastal towns and townships in Delaware and New Jersey.

**Delaware River Ecosystem Restoration**  
Partnership for Delaware Estuary  
110 S. Poplar St., Wilmington, DE 19801

Authorize $25 million for the planning, design, and construction of projects to restore aquatic habitats, including to restore oyster beds and related shellfish habitat, in the Delaware Estuary and adjacent waters.

**North Atlantic Coastal and Marine Management Plan**  
The Nature Conservancy  
100 West 10th Street, Wilmington, DE 19801

Authorizes $15 million for the North Atlantic Division of the Corps to complete a Coastal and Marine Management Plan for ecosystem restoration in North Atlantic region and to implement the Plan’s top projects, which would assess the needs and opportunities for aquatic ecosystem restoration in these coastal waters.
Remove Unexploded Ordnance
Delaware Department of Natural Resources and Environmental Control
89 Kings Highway, Dover, DE 19901

Authorize federal government to remove unexploded ordnance if found from beach fill material dredged from approved borrow areas and placed along Delaware coast beaches. As part of the Federal hurricane and storm damage protection projects, beach fill material dredged from approved borrow areas and placed on beaches may accidently contain unexploded ordnance, creating a hazard to public safety.

Regional Sediment Management Plan and Coordinated Bidding
Delaware Department of Natural Resources and Environmental Control
89 Kings Highway, Dover, DE 19901

Authorize $500,000 for a systems based regional sediment management plan and coordinated bidding process for federal projects along Delaware Atlantic coast and Inland Bays, aimed to consider the benefit of being able to manage these projects as a system and in a more efficient manner, and to reduce long term costs to both the Federal and non-Federal budgets.