

In compliance with the Fiscal Year 2011 Appropriations Committee Disclosure and Transparency Requirement the following requests for funding have been submitted by my office to the House Committee on Appropriations for consideration:

Project Name: Downtown Greenway, Greensboro, North Carolina

Recipient: Action Greensboro

Recipient Street Address: 317 South Elm Street
Greensboro, NC 27401

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Action Greensboro is requesting funding for path, site furnishings, traffic safety and street and walkway improvements for Phase 1B, 1C and Phase 3 of the Greensboro Downtown Greenway. The Downtown Greenway is a 4 mile walking and biking trail that will loop around downtown Greensboro and will incentivize new investment on adjacent development. The project will be a valuable use of taxpayer funds because it will enhance the urban landscape with a green space that will promote fitness, encourage alternative transportation and provide connectedness for residents and visitors in an aesthetically pleasing environment.

Project Name: Center for Women's Leadership

Recipient: Bennett College for Women

Recipient Street Address: 900 East Washington Street, Greensboro, NC 27401

Requested Amount: \$750,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Center for Women's Leadership at Bennett College for Women is a valuable use of taxpayer funds because it will offer opportunities for personal and professional development, research, curriculum development and training programs and serve as a hub for research focusing on the economics and impact of public policies relating primarily to African American women.

Project Name: The Comprehensive Wellness Center

Recipient: Bennett College for Women

Recipient Street Address: 900 East Washington Street, Greensboro, NC 27401

Requested Amount: \$500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The proposed project will establish a Comprehensive Wellness Center on the campus of Bennett College for Women. The Center will offer activities and sponsor programs that address physical, mental and social wellbeing of Bennett students, faculty and staff. The project is a valuable use of taxpayer funds because the Center will support community outreach and education programs.

Project Name: Center for Women's Entrepreneurship

Recipient: Bennett College for Women

Recipient Street Address: 900 East Washington Street, Greensboro, NC 27401

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Funds are requested to develop a comprehensive Center for Women's Entrepreneurship and will be a valuable use of taxpayer funds because the Center will focus on financial literacy, business development, curriculum development and community development. The Center will provide programs and training opportunities for women throughout the state, nationally and area school children.

Project Name: Regional STEM Pathways Consortium

Recipient: Central Piedmont Community College

Recipient Street Address: P.O. Box 35009, Charlotte, NC 28235

Requested Amount: \$266,049

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Central Piedmont Community College will use the funds to increase student success in pursuing careers in science, technology, engineering and mathematics (STEM). This is a valuable use of taxpayer funds because it will develop and pilot a regional STEM recruitment initiative engaging sixteen North and South Carolina counties in an effort aimed at increasing the preparation of high school students for STEM academic programs, establish innovative student career pathways and increase the number of students that complete these programs especially under-represented minorities.

Project Name: Health Sciences Advanced Technology Lab

Recipient: Central Piedmont Community College

Recipient Street Address: P.O. Box 35009, Charlotte, NC 28235

Requested Amount: \$790,295

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project is a valuable use of taxpayer funds because it will be used to purchase health sciences simulation training equipment and develop related curriculum; establish a new Health IT training lab and curriculum to support advances in health information technology and biomedical equipment and provide professional development opportunities for regional community college faculty on emerging instructional technologies within its regional advanced training facility equipped with highly sophisticated patient simulators and advanced health IT and biomedical equipment.

Project Name: Carolina's Energy Training Center

Recipient: Central Piedmont Community College

Recipient Street Address: P.O. Box 35009, Charlotte, NC 28235

Requested Amount: \$800,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Funding is for continued development of the Carolina's Energy Training Center-a regional, cross disciplinary training program and lab facility created to meet the demand for workers to support the rapidly growing energy sector in North

Carolina. This project is a valuable use of taxpayer funds because it will help to train students in high demand careers in conventional and alternative energy production, green building and smart grid technology.

Project Name: Statesville Avenue Corridor Redevelopment Project: Landfill Remediation and Conversion

Recipient: Charlotte Mecklenburg Housing Partnership (CMHP)

Recipient Street Address: 4601 Charlotte Park Drive, Charlotte, NC 28217

Requested Amount: \$800,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Charlotte Mecklenburg Housing Partnership (CMHP) is seeking federal funding to assist with the redevelopment costs for the next phase of the implementation of the Statesville Avenue Corridor Plan-Landfill Remediation and Conversion in Charlotte, NC. CMHP's request is for remediation and conversion of a former municipal trash and construction debris landfill into a passive park as part of the redevelopment plan. This is a valuable use of taxpayer funds because completion of the landfill remediation and conversion is a critical component of the Statesville Avenue Corridor Plan and will provide affordable housing opportunities for an underserved section of Charlotte, NC.

Project Name: Growing Bigger and Better Initiative

Recipient: Children's Museum of Winston-Salem

Recipient Street Address: 390 South Liberty Street, Winston-Salem, NC 27101

Requested Amount: \$300,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The request is to help with the "Growing Bigger and Better Initiative," the Children's Museum of Winston-Salem's renovation and expansion project. This request is a valuable use of taxpayer funds because it will allow the museum to expand its current facilities and create new exhibits so as to enhance the educational and social benefits of the museum.

Project Name: Regional Radio Upgrade

Recipient: Cities of Concord and Kannapolis, North Carolina

Recipient Street Address: 26 Union Street South, Concord, NC 28026
246 Oak Avenue, Kannapolis, NC 28082

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This is a valuable use of taxpayer funds because the interoperable county-wide public safety radio system in Cabarrus County will allow Concord and Kannapolis to communicate with each other and state and federal law-enforcement agencies. These funds will be used to begin systems upgrades by purchasing P25 system hardware for tower sites.

Project Name: Concord, Kannapolis and Albemarle Major Transmission Waterline

Recipient: Cities of Concord, Kannapolis and Albemarle, North Carolina

Recipient Street Address: P.O. Box 308, Concord, NC 28026

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Funding for this project will be used to construct approximately 84,000 feet of 30" water line running from Albemarle to Concord. Albemarle's water treatment plant has excess capacity, while Concord and Kannapolis are struggling to meet future water demands. In fact, these two cities' combined water demand will exceed 30 million gallons per day in the next 20 years. It is more regionally beneficial and cost effective to utilize existing potable water sources by connecting nearby public systems than developing new water sources. This water line will run through a sparsely populated area, which will minimize construction cost and inconvenience to the general public. The project will be a valuable use of taxpayer funds because it will support continuing growth in Concord and Kannapolis and promote growth in Albemarle, an area that has lost significant industry.

Project Name: Gang of One & Police Activities League - Youth Initiative

Recipient: City of Charlotte, North Carolina

Recipient Street Address: Charlotte-Mecklenburg Police Department, 601 East Trade Street
Charlotte, NC 28202

Requested Amount: \$1,048,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Between 2003 and 2008, the number of gangs in Charlotte has grown from 30 to 151, the number of gang members and associates has grown from 606 to 1,854 and the number of gang related incidents has grown from 499 to 1,340. This is a valuable use of taxpayer funds because it will expand efforts to combat gangs in Charlotte.

Project Name: Monitoring, Tracking, and Prosecuting Priority Offenders

Recipient: City of Charlotte, North Carolina

Recipient Street Address: 601 East Trade Street, Charlotte, NC 28202

Requested Amount: \$1,500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This is a valuable use of taxpayer funds because it could replicate a successful crime reduction strategy by expanding electronic monitoring of priority offenders on pre-trial release to include those on probation.

Project Name: Briar Creek Relief Sewer Project (Phase 3)

Recipient: City of Charlotte, North Carolina

Recipient Street Address: 5100 Brookshire Boulevard, Charlotte, NC 28216

Requested Amount: \$4,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Charlotte, North Carolina metropolitan area is among the top 10 fastest growing metropolitan areas in the nation and has seen an almost 50 percent growth in population since 1980, according to the U.S. Census Bureau. The Briar Creek Relief Sewer project is a valuable use of taxpayer funds because the project is critical to continued in-fill development with the Charlotte urban district. Based on current modeling and flow measurements in the existing Briar Creek sewer system, insufficient capacity exists to support continued growth and to be able to handle wet

weather flows in a manner that meets Clean Water Act standards and is acceptable to US EPA. Without the project the City will likely be subject to enforcement actions by EPA for sewer overflows during large storm events and moratoriums on wastewater connections in the future.

Project Name: Emergency Communications Co-Location

Recipient: City of Charlotte, North Carolina

Recipient Street Address: Charlotte-Mecklenburg Police Department, 601 East Trade Street
Charlotte, NC 28202

Requested Amount: \$5,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The City of Charlotte is exploring the co-location of the communications centers for public safety agencies to include Police, Fire, Emergency Medical Services and possibly the City's 311 Call Center. Co-location of these functions would be a valuable use of taxpayer funds because it would allow for better efficiency, both operationally and financially, by reducing overlapping and redundant functions as well as streamlining operations. Furthermore, moving the Police Communications Division from the Police Headquarters building will free up much needed space and power within that building, enabling it to remain functional in additional capacities for a much longer period of time.

Project Name: Charlotte CATS Blue Line Extension-Northeast Corridor Project

Recipient: City of Charlotte, North Carolina

Recipient Street Address: 600 East Fourth Street
Charlotte, NC 28202

Requested Amount: \$40,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used for Charlotte Area Transit System (CATS) to continue to implement its 2030 Transit Corridor System Plan to develop primary transportation corridors, linking the area's key centers of economic activity. This project is a valuable use of taxpayer funds because it will support the development of pedestrian-friendly urban neighborhoods with a mixture of land uses, offer people a choice in meeting their mobility needs, increase transit's share of the local travel market and reduce Charlotte's dependence on overloaded and gridlocked roads.

Project Name: Concord Traffic Management Center

Recipient: City of Concord, North Carolina

Recipient Street Address: 26 Union Street South, Concord, NC 28026

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Traffic Management Center will assist in managing traffic and congestion throughout the City of Concord and will include the interconnection of 100-130 signalized intersections, installation of 20-30 traffic surveillance cameras and retrofit a building to serve as the central control station for traffic management. The service area population is approximately 80,000 and the Center will serve interstate and intrastate traffic utilizing I-85, US-29, US-601, NCDOT primary highways passing through the area on a daily basis and major tourist destinations such as Concord Mills Mall and the Lowes Motor Speedway. Concord Mills is the number one tourist attraction in the State of North Carolina. In 2005, 17.5 million people visited the facility. Additionally, Lowes Motor Speedway hosts 1 million

visitors each year. This project is a valuable use of taxpayer funds because it addresses an immediate need for congestion relief as building additional lanes on major corridors is cost and time prohibitive. Future economic development in the area is strongly dependent on the Traffic Management Center being operational within three years as Air Quality Non-Conformity problems will prohibit the attraction of development to the region.

Project Name: Concord Air Traffic Control Tower Replacement

Recipient: City of Concord, North Carolina

Recipient Street Address: 9000 Aviation Blvd, Concord, NC 28027

Requested Amount: \$2,925,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The current tower was not originally constructed to serve as an air traffic control tower (ATC), but an observation area. The new ATC will allow increased visual capacity, a safety necessity, and will have adequate space to house all equipment and meet the needs of the staff and customers. The project will be a valuable use of taxpayer funds because it will create approximately 20 jobs and allow aircraft controllers to have the visual capacity to safely guide all inbound and outbound flights.

Project Name: Hazard Mitigation Water Delivery Plan

Recipient: City of Concord, North Carolina

Recipient Street Address: P.O. Box 308, Concord, NC 28026

Requested Amount: \$250,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The City of Concord currently has areas of inadequate water availability in the event of a fire emergency. The Concord water system serves a population of approximately 80,000 people, which includes industrial, commercial and residential customers. Due to the age of the water system and the ongoing growth of the service area, required fire flow is not available for all intended uses throughout the system. This study will identify the areas of inadequate fire flows based on current and projected land use, as well as a list of deficiencies and necessary infrastructure improvements to address those deficiencies. Ensuring adequate water supply in the event of a fire emergency is a valuable use of taxpayer dollars.

Project Name: Nettie Coad Apartments

Recipient: City of Greensboro, North Carolina

Recipient Street Address: 300 West Washington Street, Greensboro, NC 27401

Requested Amount: \$300,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Nettie Coad Apartments' window replacement project would remove and replace 126 windows in this historic school building. In the early 1990s the City of Greensboro purchased and adapted this facility as an affordable housing dwelling. The windows are failing and inefficient. This is a valuable use of taxpayer funds because energy efficient window replacements will improve occupant health and lower utility bills.

Project Name: Washington Drive Streetscape

Recipient: City of High Point, North Carolina

Recipient Street Address: 211 South Hamilton Street, High Point, NC 27261

Requested Amount: \$2,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used for streetscape improvements on East Washington Drive between North Centennial Street and Gaylord Court. In October of 2008, the High Point City Council adopted the Washington Drive District Plan. This plan focuses on revitalizing Washington Drive, a historic commercial district. This project is a valuable use of taxpayer funds because by implementing various aspects of the plan, this area will become a resource for the adjacent Washington Drive neighborhood.

Project Name: Job Training and Placement for Services Offenders and Ex-Offenders

Recipient: City of High Point, North Carolina

Recipient Street Address: 1009 Leonard Avenue, High Point, NC 27260

Requested Amount: \$455,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This is a valuable use of taxpayer funds because the cost of incarcerating one felon for one year in the North Carolina State Correctional System is \$27,000, while the cost to provide employment services for one year is \$3,000. This targeted employment strategy could employ 100 ex-offenders per year at a cost of \$300,000 and a savings of \$2.7 million.

Project Name: The Human Nutrition Research Center for Individualized Nutrition

Recipient: USDA Agricultural Research Service

Recipient Street Address: 201 North Main Street, Kannapolis, NC 28081

Requested Amount: \$10,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Agriculture Research Service's Human Nutrition Center for Individualized Nutrition will be situated in an exceptional nexus of intellectual mass and new technology that will enhance the opportunity for significant breakthroughs in nutrition, food science and agriculture sciences. It will be a valuable use of taxpayer funds by allowing researchers to better understand the impact that diet and exercise have on preventing cancer, type II diabetes and obesity. Furthermore, the Center will evaluate how nutrition affects human health on an individual basis and will develop custom solutions that target individual responses to diet and nutrition.

Project Name: Airport Business Park

Recipient: City of Winston-Salem, North Carolina

Recipient Street Address: 101 North Main Street, Winston-Salem, NC 27101

Requested Amount: \$1,500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used for construction of Phase II of the public infrastructure in order to open additional lots for development. The City of Winston-Salem has completed construction of Phase I of the public infrastructure for the park, water and sewer lines, an access road and the site grading for the first two lots in a business park. This project is a valuable use of taxpayer funds because it will replace a blighted area and create new jobs by attracting new businesses.

Project Name: Brookstown Redevelopment Project-City of Winston-Salem, NC and Forsyth County, NC

Recipient: City of Winston-Salem, North Carolina and Forsyth County, NC

Recipient Street Address: 101 North Main Street, Winston-Salem, NC 27101

Requested Amount: \$2,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used for transportation improvements to the Brookstown Redevelopment Project. This project is a valuable use of taxpayer funds because it will create mixed used components including office space, green space/parks, a minor league baseball stadium, a movie theatre and residential housing.

Project Name: Bath Branch Restoration, Winston-Salem, North Carolina

Recipient: City of Winston-Salem, North Carolina

Recipient Street Address: 101 North Main Street, Winston-Salem, NC 27101

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project will rehabilitate aging and inadequate storm drainage infrastructure and create regional storm water management facilities to treat storm water runoff from over 600 acres of drainage area in a highly impervious watershed. It will also reduce pollutant loading to federally listed waters. Overall goals for the project are to repair aging storm sewer infrastructure, restore degraded stream channels and create storm water controls to reduce pollutant loading, flooding and erosion to downstream properties and to increase the economic vitality of the City of Winston-Salem. This project is a valuable use of taxpayer funds because the entire population of Winston-Salem will benefit either directly or indirectly from the implementation of this project.

Project Name: Davidson County Community College Library Improvements

Recipient: Davidson County Community College

Recipient Street Address: 297 DCCC Road, Lexington, NC 27360

Requested Amount: \$300,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Davidson County Community College has experienced a 60% increase in full-time equivalent enrollment since 2000-2001 and a projected 6.85 increase is projected in the next five years. The library improvements are a valuable use of taxpayer funds because they will allow DCCC to respond to community, state and national challenges to educate a diverse and growing student body, including retraining the unemployed and preparing workers for new industries.

Project Name: Radio Frequency Identification Technology Improvements

Recipient: Forsyth County Public Library

Recipient Street Address: 660 West Fifth Street, Winston-Salem, NC 27101

Requested Amount: \$900,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used to help Forsyth County Public Library increase efficiency and productivity while enhancing security by integrating Radio Frequency Identification (RFID) technology into all library branches. This project is a valuable use of taxpayer funds because RFID technology will free library staff to provide reference service to customers while simultaneously securing library property. With circulation at public libraries rising nation-wide, an RFID system will ensure that Forsyth County Public Libraries can sustain a high level of customer service while keeping costs constant and predictable.

Project Name: Geographic Information System

Recipient: Forsyth County, North Carolina

Recipient Street Address: 201 North Chestnut Street, Winston-Salem, NC 27102

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The goal of this initiative is to utilize Geographic Information System (GIS) technology to share resources/assets, enhance and improve collaboration between the departments of eight municipal governments and the county government, by implementing a shared GIS system between Forsyth County, the City of Winston-Salem and all of the other municipal governments within the county. This is a valuable use of taxpayer funds because it will result in safer communities through the creation of an intelligent emergency response, emergency planning and homeland security collaboration that have timely access to data for the monitoring of conditions, recognizing threats and predicting consequences of natural or man-made disasters.

Project Name: Gang and Delinquency Prevention Initiative

Recipient: Forsyth County, North Carolina

Recipient Street Address: Youth Services Center, 5550 Sturmer Par, Winston-Salem, NC 27105

Requested Amount: \$675,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This is a valuable use of taxpayer funds because it will allow the Winston-Salem Police Department to expand its partnership with key city and county agencies to reduce the presence of gangs in the region. A Gang Task Force adopted a comprehensive community-wide gang prevention strategy and analytical research and analysis will be conducted to quantify the success of the strategy.

Project Name: Gateway Workforce Development Project

Recipient: Gateway University Research Park

Recipient Street Address: 2901 E. Lee Street, Suite 2500, Greensboro, NC 27401

Requested Amount: \$230,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Gateway is requesting funding for the development of two workforce development related spaces in Research Facility One, located at Gateway's South Campus, the home of the Joint School for Nanoscience and Nanoengineering (JSNN). The requested funding would be utilized to construct and equip the facility to support and expand existing and planned programs focused on workforce development. One of the two spaces would be a fully equipped training/classroom and the other would be a landing area for students to have access to workspace and internet connectivity outside the classroom. The funding will be a valuable use of taxpayer funds because it will help enhance workforce development skills and provide specialized training to students to help bring jobs to the region.

Project Name: Institute for Regenerative Medicine at Wake Forest University

Recipient: Institute for Regenerative Medicine at Wake Forest University

Recipient Street Address: 391 Technology Way, Winston-Salem, NC 27127

Requested Amount: \$5,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project is a valuable use of taxpayer funds because it will develop therapies that will greatly benefit wounded warriors, as well as the civilian population with, burns or severe trauma due to illness or injury.

Project Name: Passport Initiative

Recipient: Johnson C. Smith University

Recipient Street Address: 100 Beatties Ford Road, Charlotte, NC 28216

Requested Amount: \$275,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Only 4% of American students who studied abroad in 2007-2008 were African-American students. The Passport Initiative is a valuable use of taxpayer funds because it helps a HBCU address the underrepresentation of minority students who study abroad.

Project Name: Beatties Ford Road Corridor Revitalization Project

Recipient: Johnson C. Smith University

Recipient Street Address: 100 Beatties Ford Road, Charlotte, NC 28216

Requested Amount: \$300,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used for development along West Trade Street from the I-77 underpass to the stone entry gate at Johnson C. Smith University. This project is a valuable use of taxpayer funds because it will lead to the reversal of decades-long decline in the Beatties Ford Road Corridor. There are now vacant lots, abandoned buildings and dilapidated housing that have led to an unsafe environment surrounding the campus of Johnson C. Smith University.

Project Name: Learning Total Health (LTH) Program

Recipient: Livingstone College

Recipient Street Address: 701 West Monroe Street, Salisbury, NC 28144

Requested Amount: \$1,800,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Learning Total Health (LTH) Program is a demonstration project of optimal health and fitness training focusing on the establishment of the LTH curriculum/courses at Livingstone College. Livingstone College has a Center for Holistic Learning. The Center promotes among the participating student body awareness and mastery of a number of modules. These include health, wellness and fitness, emergency response and first aid and personal and social responsibility. This project is a valuable use of taxpayer funds because the program has the potential to impact the nation's health statistics and growing healthcare cost. The health statuses of students at Livingstone College are directly linked to health disparities. Over 60% of the student population has poor health indicators that include obesity, diabetes and cardiovascular disease. The goal of the program is to improve the health status and statistics through education and risk reduction programs. This program has the potential to impact the cost of healthcare in Salisbury, the state of North Carolina and the nation.

Project Name: Consolidated Data Sharing Portal

Recipient: Mecklenburg County Sherriff's Office

Recipient Street Address: 700 E. Fourth Street, Charlotte, NC 28202

Requested Amount: \$866,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This is a valuable use of taxpayer funds because it will allow users to access criminal justice issues more efficiently and reduce the possibility that an individual will slip through the cracks during sex offender verification or gun permit issuance.

Project Name: Grants to Replace Aging Diesel Engines Plus (GRADE+)

Recipient: Mecklenburg County, North Carolina

Recipient Street Address: 600 E. 4th Street, 11th Floor, Charlotte, NC 28202

Requested Amount: \$940,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): For almost 35 years, poor air quality due to ozone has plagued Charlotte-Mecklenburg and the surrounding counties and towns, endangering the health of citizens, impeding the economy and degrading the quality of life. As standards continue to be lowered, without action these conditions will persist. GRADE+ is a reimbursement program initiated and administered by Mecklenburg County Air Quality (MCAQ). The purpose of the program is to contribute towards achieving compliance with the National Ambient Air Quality Standards (NAAQS) for ozone for the Charlotte metro-region. This is done by educating heavy-duty equipment owners about various ways to reduce exhaust emissions and to provide monetary assistance to those heavy duty equipment owners seeking to reduce the negative effects of mobile source exhaust on the regional air quality. Funding this project would be a valuable use of taxpayer funds because it is a proven, feasible, regional, multi-state approach, leveraging public and private dollars to combat ozone. GRADE+ gets real, measureable, permanent pollution reductions of nitrogen oxides from large mobile sources and lowers ozone levels.

Project Name: Area Mental Health, Substance Abuse and Development Disability Services Awareness Campaign

Recipient: Mecklenburg County, North Carolina

Recipient Street Address: 429 Billingsley Road, Charlotte, NC 28211

Requested Amount: \$465,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project is a valuable use of taxpayer funds because it will be used to increase awareness of and reduce the stigma around seeking and sustaining mental health and substance abuse treatment.

Project Name: Energy Efficiency Enhancements

Recipient: Mecklenburg County, North Carolina

Recipient Street Address: 600 East Fourth Street, 11th Floor, Charlotte, NC 28202

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Mecklenburg County, North Carolina is committed to building and operating facilities that are environmentally friendly. As a result, design teams look at a number of energy efficiency and renewable energy strategies to minimize operating expenses as well as environmental footprint. This project is a valuable use of taxpayer funds because energy enhancement projects create jobs in production facilities and for construction employees on the job site to complete installation. In addition, such projects allow for a significant reduction in energy consumption and simultaneously reduce operational expenses.

Project Name: Sewer Infrastructure Upgrades

Recipient: Mecklenburg County, North Carolina

Recipient Street Address: 600 East Fourth Street, 11th Floor, Charlotte, NC 28202

Requested Amount: \$2,500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Mecklenburg County, North Carolina is in the process of designing a new 500,000 square foot jail facility that will result in a shortage of sanitary sewer system capacity of 133,600 GPD. New sewer lines to provide additional capacity must be installed. This project is a valuable use of taxpayer funds because additional sewer capacity provided by this project will also increase future residential and commercial development opportunities that might not otherwise be able to be recognized due to insufficient infrastructure. Additionally, this project will stimulate the economy by creating the short-term need for construction employees and materials on the job site to complete the installation and by creating long-term maintenance jobs due to the ongoing need for annual maintenance and repairs.

Project Name: Compost Central Expansion

Recipient: Mecklenburg County, North Carolina

Recipient Street Address: 5631 West Boulevard, Charlotte, NC 28208

Requested Amount: \$1,500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The project is a major reconstruction of an existing Mecklenburg County yard waste management facility that handled over

90,000 tons of yard waste in fiscal year 2009. This project is a valuable use of taxpayer funds because it is a "green project" and one that makes economic sense as the cost of handling these materials through Compost Central is less than the cost of disposal in nearby landfills.

Project Name: High Performance Computing in Biomedical Engineering and Health Sciences Benefitting the War Fighters and the Public

Recipient: North Carolina A&T State University

Recipient Street Address: 1601 East Market Street, Greensboro, NC 27411

Requested Amount: \$2,200,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project would address high performance computing technologies and enable modeling advances for biomedical engineering and health science applications. This would enable the understanding of engineering behavior of human physiological and bioengineered systems benefiting the quality of life of injured war fighters returning from Iraq and Afghanistan, other veterans as well as the general public. The enabling technologies and developments stemming from the project will produce an interdisciplinary US workforce trained in the long term treatment, recovery and rehabilitation of injured war fighters. This project is a valuable use of taxpayer funds because it will also improve the quality of life for the US public with better health and welfare and would benefit health care worker training through the effective use of realistic models.

Project Name: An Innovative STEM Professional Development Model for 7th Through 9th Grade Math Teachers

Recipient: North Carolina A&T State University

Recipient Street Address: 1601 East Market Street, Greensboro, NC 27411

Requested Amount: \$800,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project is a valuable use of taxpayer funds because it is critical that teachers in North Carolina's high-need schools improve student performance and achievement in math and science. An achievement gap still exists in the two subjects; only 42% of African-American students are Level III proficient in math and 40.6% in science, compared to White students at 52% and 78.6% respectively. Key to improving these statistics is increasing teacher capacity to provide effective 21st century classroom instruction. This can best be done by providing targeted high quality professional development that is aligned with current research and 21st century standards for teaching and learning.

Project Name: Increasing the Output of Qualified Nurses-A Critical Need Area

Recipient: North Carolina A&T State University

Recipient Street Address: 1601 East Market Street, Greensboro, NC 27411

Requested Amount: \$530,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used to initiate an accelerated nursing program for second degree students. North Carolina A&T State University hopes to attract applicants with degrees in diverse fields to enroll in the nursing program and complete it in eighteen months. This project is a valuable use of taxpayer funds because it will alleviate the critical shortage of nurses in the state and the nation.

Project Name: Innovative Nanoengineered Materials for Soldier Protective Clothing and Shelters

Recipient: North Carolina A&T State University

Recipient Street Address: 1601 East Market Street, Greensboro, NC 27411

Requested Amount: \$1,600,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project will result in innovative nanoengineered materials for soldier protective clothing as well as for lightweight ballistic impact proof shelters. It is proposed to develop integrated technology for the development and manufacture of both enhanced lightweight body armor and lightweight high strength composite combat shelter structures. This project will have a direct application to all war fighters as well as homeland security and police personnel. This project is a valuable use of taxpayer funds because it will impact national security through planned research with strong foundations, education and outreach, as well as future workforce development.

Project Name: Pre-Medical Undergraduate Preparation Program at North Carolina A &T State University

Recipient: North Carolina A&T State University

Recipient Street Address: 1601 East Market Street, Greensboro, NC 27411

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project is a valuable use of taxpayer funds because it may significantly increase the number of minority students at North Carolina A &T who matriculate successfully in the sciences and go on to medical school and successful careers as quality health care providers. There is a persistent lack of well-trained practitioners willing to provide healthcare to disadvantaged populations. Of North Carolina's 100 counties, forty-four are designated as "Health Professional Shortage Areas" because of a shortage of primary care practitioners and dentists. The lack of practitioners from disadvantaged backgrounds contributes to the inability of these vulnerable populations to access adequate health care and there is a need to attract more disadvantaged and underrepresented minority students into the health professions. This program will address the lack of underrepresented minority students in health professions programs by aggressively recruiting and supporting an increase in the pool of competitive candidates at NCA&T, providing academic and test skills sessions and exposing students to medical professionals and organizations to increase retention and successful matriculation. This will be achieved through the development of a Pre-Matriculation program for entering freshmen with an interest in pursuing a medical career, the Pre-Medical Undergraduate Preparation (PMUP) program and a post baccalaureate medical program which will produce an increase of well-rounded competitive scholars who successfully matriculate into medical school.

Project Name: Vigilant Integrated Sensing Systems Center (VISenSC)

Recipient: North Carolina A&T State University

Recipient Street Address: 1601 East Market Street, Greensboro, NC 27411

Requested Amount: \$1,200,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The proposed Vigilant Integrated Sensing Systems Center (VISenSC) will contribute significantly to the visions of the Air Force and Army by providing situational awareness and battle space management, effective methods to deal with unconventional and unsymmetrical threats and guaranteed superiority to the Air Force and Army research focus. This project is a valuable use of taxpayer funds because sensors have a pervasive impact on many civilian

applications. The research done in this project will benefit applications in the construction and building industries and the transportation industry.

Project Name: Mallard Creek Road in Mecklenburg County, NC

Recipient: North Carolina Department of Transportation

Recipient Street Address: 1542 Mail Service Center, Raleigh, NC 27699

Requested Amount: \$2,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The purpose of this project is to widen Mallard Creek Road to a four-lane, median-divided roadway from Sugar Creek Road to Harris Boulevard. This project is a valuable use of taxpayer funds because it is a top local priority for the Mecklenburg-Union Metropolitan Planning Organization (MUMPO) with safety and mobility benefits.

Project Name: I-85 in Davidson and Rowan Counties

Recipient: North Carolina Department of Transportation

Recipient Street Address: Program Development Branch, 1542 Mail Service Center, Raleigh, NC 27699

Requested Amount: \$2,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project consists of the upgrade of 6.8 miles of I-85 in Davidson and Rowan Counties, North Carolina including the replacement of the I-85 Yadkin River Bridge. The existing I-85 Yadkin River Bridge was built in 1955 and has far exceeded its design lifespan. It is currently classified as structurally deficient and functionally obsolete. This project is a valuable use of taxpayer funds because it will improve safety and mobility along the I-85 corridor and support continued economic development and commerce activities in the region.

Project Name: Sealed Corridor Short Throat Crossing Improvements, NC

Recipient: North Carolina Department of Transportation

Recipient Street Address: Rail Division, 1533 Mail Service Center, Raleigh, NC 27699

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The purpose of this request is to design and construct improvements identified in the 2010 Sealed Corridor Short Throat Study between Raleigh and Charlotte on the North Carolina Railroad/Southeast High Speed Rail Corridor (SEHSR). The corridor assessment currently underway will evaluate all crossings between Royal Street in Raleigh and 36th Street in Charlotte to determine if additional improvements should be considered to improve crossing safety at these locations. This is a valuable use of taxpayer funds because improvements made from these evaluations will increase public safety through additional signs and pavement markings, new and revised traffic signals, new crossing signals and changes to lane configurations.

Project Name: US 52 widening, in Forsyth County, NC

Recipient: North Carolina Department of Transportation

Recipient Street Address: 1542 Mail Service Center, Raleigh, NC 27699

Requested Amount: \$2,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project includes operational and safety improvements including widening to accommodate auxiliary lands in each direction and consolidation of interchanges with removal of selected ramps. This is a valuable use of taxpayer funds because these improvements will bring US 52 up to standards that can meet current traffic demands and improve safety in the corridor. This project has regional significance because US 52 is on North Carolina's Strategic Highway Corridor System.

Project Name: North Carolina Tarheel ChalleNGe Academy

Recipient: North Carolina National Guard

Recipient Street Address: 4105 Reedy Creek Road, Raleigh, NC 27607

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): North Carolina averages 21,000 high school dropouts annually. As part of the national Youth ChalleNGe Program, North Carolina's Tarheel Challenge Academy (TCA) helps at-risk youths develop the life-skills necessary to become productive citizens. TCA, with one campus in Salemburg, NC, provides services to selected NC high-school dropouts between the ages of 16 and 18, graduating approximately 250 cadets each year. About 70% earn their General Education Development diploma while attending TCA. This project is a valuable use of taxpayer funds because it helps address the state's high school dropout problem by increasing the annual number of Tarheel ChalleNGe graduates with the opening of a second site in Badin, NC. At full capacity, Badin will graduate 500 cadets annually. This second site will provide a more western North Carolina location to ensure at-risk youth throughout the state have the opportunity to become productive, employed, law abiding citizens of North Carolina.

Project Name: Replace Squadron Operations Facility

Recipient: North Carolina National Guard

Recipient Street Address: 4105 Reedy Creek Road, Raleigh, NC 27607

Requested Amount: \$8,500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): According to the requestor this project is a valuable use of taxpayer funds because the 156th Airlift Squadron, North Carolina Air National Guard, Charlotte, North Carolina, performs the vital mission of training, testing, certifying, planning and scheduling C-130H aircrews in support of State and Federal missions. The current facility does not meet mission needs, life safety standards, environmental standards, administrative, training and operational space. The facility was built 35 years ago and designed to support an Airlift Squadron that had 60 crewmembers. Due to mission increase, that same unit has 120 crewmembers with a corresponding growth in all support personnel. Limited administrative space, inadequate heating and air conditioning and a constrained work environment makes for adverse working conditions. Insufficient aisle/movement space between desks and office equipment presents serious fire and safety hazards. Substandard to non-existent fire suppression systems place all assets at risk. Existing infrastructure supporting the facility is at maximum capacity, with no additional phone or network connections available and limited ability to stand-up computer based training programs and forcing the aircrew readiness trainer to be located in another facility. Due to growth in female crewmembers, there is inadequate female restroom and aircrew locker space. All the above issues make it necessary to replace the existing facility. An efficient, safe work environment promotes effective mission training and planning, boosts morale, promotes

teamwork and improves command and control resulting in enhanced mission readiness in conducting global airlift operations.

Project Name: ARNG Soldier/Family Support: NCNG Family Assistance Centers

Recipient: North Carolina National Guard

Recipient Street Address: 4105 Reedy Creek Road, Raleigh, NC 27607

Requested Amount: \$1,600,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Since September 11, 2001, the North Carolina National Guard has experienced an unprecedented operational pace, mobilizing over 95% of the force. Mobilizations have a significant effect on families and children who are impacted not only during the deployment, but prior to and especially after the service member returns. Family Assistance Centers provide essential support and services to families of the NCNG and of all the other Armed Services. NCNG families are not geographically centered near active military installations which provide services to their members. NCNG families are spread throughout the state and in most cases cannot get to installations on a routine basis or without some hardship. This project is a valuable use of taxpayer funds because it maintains the four federally funded FACs across the state allowing the NCNG to provide consistent and continuous vital support and services to the families of the NCNG and the Armed Services. Also, continued funding of this program will significantly reduce the impact on families, directly contributing to sustaining a strong NCNG.

Project Name: North Carolina Sheriffs Training and Technical Assistance

Recipient: North Carolina Sheriffs Association, Inc.

Recipient Street Address: 323 West Jones Street, Suite 300, Raleigh, NC 27603

Requested Amount: \$500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project will provide training and technical assistance to all 100 North Carolina Sheriffs' offices for research, development and implementation of policies and procedures to enhance the operation of their facilities and efficiency of personnel. This project is a valuable use of taxpayer funds because this project will result in increased public safety and reduced cost to state and federal law enforcement in tracking and apprehending criminals.

Project Name: National Textile Center Research

Recipient: North Carolina State University

Recipient Street Address: Campus Box 7001, 304C Holladay Hall, Raleigh, NC 27695

Requested Amount: \$500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This is a valuable use of taxpayer funds because it will provide support for National Textile Center-sponsored research at North Carolina State University. The National Textile Center is a consortium of eight member-universities and was established to develop new materials; to provide trained personnel, industrial partnerships and technology transfer mechanisms; and to strengthen the nation's textile research and education efforts.

Project Name: Nussbaum Center for Entrepreneurship Business Incubator Renovation, Expansion and Programs

Recipient: Nussbaum Center for Entrepreneurship

Recipient Street Address: 2007 Yanceyville Street, Greensboro, NC 27405

Requested Amount: \$500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Nussbaum Center for Entrepreneurship recently took possession of a 60,000 square foot building that was donated. The funding will be used to make working space useable and an ADA compliant business incubator. This project is a valuable use of taxpayer funds because the Nussbaum Center has a twenty-three year history of creating high paying jobs in the Piedmont Triad through small business incubation. A new building owned by the Center would eliminate the possibility of closing or having to decrease the level of service provided.

Project Name: Smith Reynolds Airport Taxiway Extension

Recipient: Smith Reynolds Airport/Forsyth County, NC

Recipient Street Address: 3801 N. Liberty Street, Winston-Salem, NC 27105

Requested Amount: \$3,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Smith Reynolds Airport (INT) seeks federal assistance to prevent the facilities from falling into disrepair and to make the facility more useful to the community by extending the runway. A 1,000 foot extension of Taxiway F (parallel to Runway 4/22) would provide adequate access of aircraft using the newly developed area, allowing aviation companies and aviation departments of non-aviation companies to make better use of this facility. This project is a valuable use of taxpayer funds because by expanding Smith Reynolds' Airport capacity more businesses will be brought to the airport adding valuable aviation services that will benefit the region's economy.

Project Name: Textile Research at [TC] ²

Recipient: Textile/Clothing Technology Corporation

Recipient Street Address: 5651 Dillard Drive, Cary, NC 27518

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): According to the requestor this project is a valuable use of taxpayer funds because the funding will be for the Textile/Clothing Technology Corporation [TC] ² research consortium. This research consortium is a critical component of the US Textile Industry's ongoing effort to remain globally competitive. The research conducted through this program plays a major role in helping to enhance the competitiveness of an industry that is a primary supplier of employment to women and minority workers, with many of these jobs located in depressed areas.

Project Name: The Center for the Arts in Downtown Winston-Salem, North Carolina

Recipient: The Arts Council of Winston-Salem and Forsyth County

Recipient Street Address: 305 West Fourth Street, Winston-Salem, NC 27101

Requested Amount: \$180,480

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This request is part of the renovation of the historic Sawtooth building which annually attracts more than 100,000 people for events. This project is a valuable use of taxpayer funds because the need for a new public arts space in Winston-Salem is greater than ever because these facilities have been unable to keep up with the growth of the arts and the demand by the public in Winston-Salem.

Project Name: Davidson Green Business Incubator Initiative

Recipient: Town of Davidson, North Carolina

Recipient Street Address: 442 S. Main Street, Davidson, NC 28036

Requested Amount: \$371,700

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Davidson's Green Business Incubator will be the catalyst for a regional, small-business-based green technology cluster. The incubator will nurture the development of green innovations, including alternative energy solutions, waste water technology and sustainable products. The national and state economies will soon rely on small, innovative businesses to be the cornerstone of an economic strategy that marries profits and jobs with the health of the planet. This funding will be a valuable use of taxpayer funds because it will support the growth of green jobs and bring awareness to the importance of economically and environmentally sustainable communities.

Project Name: Carolina College Advising Corps

Recipient: University of North Carolina at Chapel Hill

Recipient Street Address: Jackson Hall, Campus Box 2200, Chapel Hill, NC 27599

Requested Amount: \$518,532

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project is a valuable use of taxpayer funds because postsecondary education has never been more critical for the people of North Carolina. Currently, only thirty-four percent of North Carolinians hold a college degree and the U.S. Department of Labor estimates that ninety percent of the fastest-growing jobs will require education beyond high school. To help address this challenge, the University of North Carolina at Chapel Hill has established the Carolina College Advising Corps, an innovative program that helps low-income, first-generation and underrepresented students enter and complete college. Working in partnership with principals, counselors and teachers, the advisers will provide advice, support and encouragement to students with the goals of 1) increasing the college-going rate at each partner school; 2) expanding the range of colleges and universities to which students apply and in which they enroll; and 3) helping principals, counselors and teachers foster a college-going culture. Funding will be used as direct support for recent graduates to serve as advisers in low-income schools throughout N.C. The goal will be to encourage and leverage support from current and potential benefactors locally and nationally. The program will provide \$1 for every \$1 in private support secured from such donors until all matching funds are expended.

Project Name: Program in Racial Disparities and Cardiovascular Disease

Recipient: University of North Carolina at Chapel Hill

Recipient Street Address: 6022 Burnett-Womack Building, Campus Box 7075, Chapel Hill, NC 27599

Requested Amount: \$1,100,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The program assembles the computational resources necessary to better understand and address the problem of racial disparities in cardiovascular disease, which disproportionately impacts North Carolina's population. This project is a valuable use of taxpayer funds because through previous appropriations, UNCCH has made major advances in their understanding of cardiovascular health disparities in North Carolina, for example, they have identified the causes of differences in utilization of cardiac procedures for individuals of lower socioeconomic status in the state, allowing them to develop interventions to improve health care outcomes in this segment of the community.

Project Name: Green Plus: Fostering Job Creation and Sustainability in Low Wealth Communities

Recipient: University of North Carolina at Chapel Hill

Recipient Street Address: 301 Pittsboro Street, Room 235-C, CB# 3550, Chapel Hill, NC 27599

Requested Amount: \$650,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be a valuable use of taxpayer funds because through the Green Plus certification process, the project will provide small employers with practical, accessible information and innovative tools to improve their impacts on planet, people and their economic performance. Most sustainability efforts have focused on large enterprises and yet small businesses represent 97 percent of all US employers and generate nearly half of all economic activity in the country and the majority of new job creation. This proposal addresses this gap specifically in low-wealth communities in North Carolina.

Project Name: Advanced Detection of Hazardous Material (ADHM)

Recipient: University of North Carolina at Charlotte

Recipient Street Address: 9201 University City Blvd, Charlotte, NC 28223

Requested Amount: \$6,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Detection of trace and bulk explosives remains a top priority and a technically challenging problem. This program element investigates the detection and chemical analysis of explosive material signatures. This project is a valuable use of taxpayer funds because the use of conventional high explosives and homemade explosives for the construction of improvised explosive devices (IEDs) remains a significant threat to our troops and these funds will assist in making these devices less of a threat to our troops.

Project Name: Health and Human Services Interpreter Certification Project

Recipient: University of North Carolina at Greensboro

Recipient Street Address: 1601 MHRA Building, 1111 Spring Garden Street, Greensboro, NC 27412

Requested Amount: \$390,190

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used to implement an interpreter certification program in health and human services for the state of North Carolina. This is a valuable use of taxpayer funds because North Carolina has one of the fastest growing Hispanic populations in the country, second in the southeast and many thousands of Limited English Proficiency (LEP) newcomers from non-Spanish speaking countries, the demand in North Carolina for skilled interpreters to assist with medical, human services and education needs of the newcomers continues to grow every day.

Project Name: Mentoring Teen Parents: Reducing Risk for Violence and Anti-Social Behavior

Recipient: University of North Carolina at Greensboro

Recipient Street Address: 1601 MHRA Building, 1111 Spring Garden Street, Greensboro, NC 27412

Requested Amount: \$279,940

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Through a strong university-community partnership, the University of North Carolina at Greensboro will recruit, train and retain paid adult mentors who can build resilience in adolescent mothers and fathers and thereby reduce their antisocial behavior, interpersonal violence and involvement in the juvenile justice system. This project is a valuable use of taxpayer funds because the implementation of this project has the potential to result in significant cost savings to North Carolina taxpayers through a reduction in teen pregnancy, antisocial behavior, interpersonal violence, juvenile justice involvement, school dropout and dependence on the child welfare system.

Project Name: Film Scoring Stage Renovation

Recipient: University of North Carolina School of the Arts

Recipient Street Address: 1533 South Main Street, Winston-Salem, NC 27127

Requested Amount: \$350,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The University of North Carolina School of the Arts School of Filmmaking seeks federal funding to renovate and equip its film scoring and recording stage to current industry standards. The new recording equipment will enable the facility to be used for educational purposes, the production of student recordings and will enable the use of the facility to record the music soundtrack for a major motion picture or a commercial music DVD. This capability is extremely rare and in constant demand. Commercial use would allow students and local members of the community symphony orchestras to be trained and hired to record music for a film. The project is a valuable use of taxpayer funds because it will also generate additional economic impact in North Carolina through increases in spending related to meals, lodging, supplies and equipment rentals associated with commercial use of the scoring and recording stage.

Project Name: Roger L. Stevens Center HVAC Renovation Project

Recipient: University of North Carolina School of the Arts

Recipient Street Address: 1533 South Main Street, Winston-Salem, NC 27127

Requested Amount: \$500,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): A replacement of critical HVAC components for the Roger L. Stevens Center of the UNC School of the Arts (UNCSA) is needed. The critical areas of the facility are served by 180 tons of air cooled chillers that have been in service for thirty years and have exceeded their expected life cycle. The chillers are unreliable, inefficient and require frequent downtime and expensive repairs. The project is a valuable use of taxpayer funds because it will allow UNCSA to replace the current HVAC system and decrease utility consumption, reduce repair and maintenance costs and provide a healthy and safe environment for UNCSA students and faculty.

Project Name: Center for Nanomaterials in Biosensing and Therapeutics (NanoBiT)

Recipient: Wake Forest University

Recipient Street Address: 501 Deacon Boulevard, Winston-Salem, NC 27105

Requested Amount: \$3,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): A family of nanoparticle transducers will be developed which will serve as the basis for rapid detection and reporting sensors that can then be coupled with a responsive-therapeutic modality. These composite ‘nanoprobes’ will be engineered so that they selectively bind and identify biomarkers of specific antigens or bio-threats. Through this selective binding, the nanoparticle becomes a vehicle for the collection and concentration of the bioagent to be detected using the body's natural circulation and defenses. Rapid detection systems such as this are needed as a result of the emerging threat of global pandemics, biowarfare and bioterrorism which creates an ever increasing challenge to the health and safety of our forward deployed soldiers and their ability to carry out their mission as well as our emergency responders and citizens here at home. This is a valuable use of taxpayer funds because the military, homeland security and emergency responders all need health monitoring and therapeutic delivery systems that can quickly identify life threatening pathogens and allow rapid response.

Project Name: Downtown Health Plaza Clinic Expansion

Recipient: Wake Forest University Baptist Medical Center/North Carolina Baptist Hospital

Recipient Street Address: Medical Center Boulevard, Winston-Salem, NC 27157

Requested Amount: \$600,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The Downtown Health Plaza Clinic Expansion is a valuable use of taxpayer funds because it will increase access to care in Winston-Salem, better ensure medical privacy and reduce non-emergent visits to North Carolina Baptist Hospital. Extended service hours will reduce wait times for the patients served by the Downtown Health Plaza.

Project Name: Center for Injury Biomechanics-Traumatic Brain Injury Prediction, Mitigation and Diagnosis

Recipient: Wake Forest University Health Sciences

Recipient Street Address: Medical Center Boulevard, Winston-Salem, NC 27157

Requested Amount: \$4,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Wake Forest University Health Sciences requests funds for targeted research designed to investigate and reduce the traumatic brain injuries (TBI) that soldiers face in the modern warfare arena. This project is a valuable use of taxpayer funds because this research will significantly enhance the ability to save lives and reduce TBI among military troops by using human body computer modeling to improve brain injury prediction, identification and treatment. These efforts will help to address the biomechanical questions for the three million active duty and reserve personnel who fight in the nation's conflicts. Estimates indicate that 19 percent of military soldiers have reported some level of traumatic brain injury (TBI) and that as many as 160,000 -320,000 soldiers could have sustained a mild TBI (mTBI). Due to the critical need for soldier injury reduction, the Center for Injury Biomechanics will apply its expertise in experimental testing and computer modeling to research initiatives that are designed to reduce these traumatic brain injuries.

Project Name: Piedmont Triad Research Park Transportation Improvements, Winston-Salem, NC

Recipient: Wake Forest University Health Sciences

Recipient Street Address: Medical Center Boulevard, Winston-Salem, NC 27157

Requested Amount: \$2,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): Wake Forest University Health Sciences (WFUHS) seeks funds to support transportation infrastructure improvements to the Piedmont Triad Research Park (PTRP) in Winston-Salem, NC. North Carolina has been in a national leadership position in the development of the biotechnology business sector for many years. Currently, it ranks third in the country in the number of biotechnology-based companies located within the state. PTRP will provide the infrastructure needed to maintain North Carolina's leadership position in attracting and growing biotechnology businesses as a means of stimulating new job creation. The Piedmont Triad region, once known for its tobacco/textile manufacturing industries, lost 40,000 jobs in the last decade. PTRP is home to 41 companies with 763 full-time employees. This project is a valuable use of taxpayer funds because the anticipated economic benefits stemming from PTRP's creation will include 27,000 permanent jobs and over \$3.9 billion in total economic impact for the entire region over a 30-year build out to completion.

Project Name: Ant-Based Cyber Defense

Recipient: Wake Forest University, Reynolda Campus

Recipient Street Address: Department of Computer Science, 239 Manchester Hall, Winston-Salem, NC 27109

Requested Amount: \$1,080,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project is a valuable use of taxpayer funds because adaptive cyber defense will enable member organizations of computer infrastructure to automatically detect emerging threats, repair damage and share solutions while preserving proprietary data. Human direction is retained without requiring human control. The method is more efficient at finding threats than current systems and quickly ramps up and down to defend against threats. The method is transformational in that it is truly an adaptive cyber defense technology that can protect large infrastructures and coalitions. The learning swarm functions like a colony organism such as ants in the real world. The decentralized approach moves analysis to the data sources. The decentralized approach facilitates collaborative defense without compromising proprietary information on organization member computers. With increasing frequency assets in the USA are undergoing cyber attack. The origin of the attacks is most often outside the US where there is little or no opportunity to shut down the operation. Use of this approach to attack US resources is of interest to nations and terrorist groups with limited resources.

Project Name: Training Healers Remotely In Virtual Environments (THRIVE)

Recipient: Winston-Salem State University

Recipient Street Address: 601 Martin Luther King Drive, Winston-Salem, NC 27110

Requested Amount: \$2,990,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The THRIVE program is a valuable use of taxpayer funds because it will address the critical need for health care

providers and the need to revise health provider education curricula by providing realistic, cost-effective and broad access for health provider training that can be used customized to meet regional needs.

Project Name: Eastside Enterprise Center Project (EEC)

Recipient: Winston-Salem State University

Recipient Street Address: 601 Martin Luther King Drive, Winston-Salem, NC 27110

Requested Amount: \$846,700

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): The funding will be used to complete program planning and building rehabilitation design of a vacant, underutilized building in an underdeveloped neighborhood in Winston-Salem, North Carolina. This is a valuable use of taxpayer funds because this building will be the site of a “green” oriented small business incubator/accelerator that generates community development and job creation for Winston-Salem and the surrounding Piedmont Triad communities.

Project Name: Transforming O’Kelly Library into a Teaching/Research Center

Recipient: Winston-Salem State University

Recipient Street Address: 601 Martin Luther King Drive, Winston-Salem, NC 27110

Requested Amount: \$1,000,000

Explanation of the request (must include purpose and why it is a valuable use of taxpayer funds): This project is a valuable use of taxpayer funds because the O’Kelly Library staff has constantly worked to provide the appropriate services to Winston-Salem State University students and faculty. Through the very active library instruction program and other technical assistance services, O’Kelly Library staff members are partners in the teaching and learning process. The transformed building will give students access to more study space with the latest technology, additional small group and large study rooms, give the staff a second larger instruction site and additional office space. The replacement carpet and new paint will make the building attractive to the users and encourage even more use of the facilities.