

Murphy's List of Appropriations Requests for the Fifth District

Thursday, 02 April 2009

April 3, 2009

Below is Congressman Chris Murphy's (CT-5) list of appropriations requests for Fiscal Year 2010. The dollar amounts listed are what were requested by the organization seeking funds for their project. It is common for projects to be funded at lower levels than requested. The Appropriations Committee will choose not to fund many of these projects.

Project: 9/11 Living Memorial Archive

Address: 161 Cherry Street, New Canaan, CT 06840

Amount Requested: \$1,000,000

Description: The 9/11 Living Memorial digital archive will provide a unique snapshot of the events of that day, extending our understanding of 9/11 far beyond the pages of history books by creating a personal connection with, and real understanding of, the nation's response to the worst attack ever to take place on native soil. Voices of September 11th (VOICES) is reaching out to all 9/11 family members plus survivors, first responders, organizations and corporations to document their stories and digitize and photograph tangible items such as missing person posters, memorials or photos of workplaces. Family members describe the creation of this virtual memorial to their loved ones as a positive and healing process. Federal funding will support outbound workshops in impacted communities as well as help finance technology and resources required to preserve and protect this digital archive.

Project: Barney Library Renovation

Address: Farmington Library, 71 Main Street, Farmington, CT 06032

Amount Requested: \$800,000

Description: The Barney Library, built in 1918, needs to be updated to meet current Americans with Disabilities Act (ADA) requirements, and improve HVAC and other systems that are inadequate to current efficiency standards.

Project: Bethel Library Construction Project

Address: Town of Bethel, 1 School Street, Bethel, CT 06801

Amount Requested: \$300,000

Description: This funding will be used to complete the library's expansion, which started in 2000. A fully completed and functioning library will provide for the expanding needs of the community. In these economic times, residents are increasingly relying on the library for professional library services, programs and material that can be utilized at little or no cost.

Project: Bleachery Dam Renovation Project (flood control)

Address: Town of New Milford, Town Hall, 10 Main Street, New Milford, CT 06776

Amount Requested: \$160,000

Description: The Town of New Milford is seeking funds to initiate and complete an engineering and hydrologic analysis of

the Housatonic River to determine specific projects and solutions available to reduce and/or mitigate the detrimental effects of seasonal flooding. On average, once per calendar year, the Housatonic River in New Milford reaches flood stage or above and floods out the Route 7 corridor which serves as the Town's major business district and main travel corridor. These events cause a tremendous strain on the community as a whole because of traffic and business related impacts.

Project: Bridge No. 04456 over the Pomperaug River

Address: Town of Southbury, CT, 501 Main St. South, Southbury, CT 06488

Amount Requested: \$500,000

Description: This bridge, constructed in 1962, has deterioration of the concrete deck, metal beam guides and support wing walls that demand substantial remedial work. Repairs to this bridge will increase public safety for area residents and visitors.

Project: Brownfield and Blight Redevelopment Project in the City of Waterbury

Address: City of Waterbury, 236 Grand Street, Waterbury, CT 06702

Amount Requested: \$1,000,000

Description: Brownfields limit the redevelopment of much of Waterbury's industrial land. This funding will allow for Phase II environmental assessments in order to identify the types and concentrations of contaminants in a variety of areas to be cleaned and allow for the possible municipal acquisition and redevelopment of several sites. This will allow for the City or a private developer to potentially acquire these properties and determine the best re-use value.

Project: Career Competency Development for Youth

Address: Capital Workforce Partners, One Union Place, Hartford, CT 06103

Amount Requested: \$300,000

Description: Funding would be used to develop a four-tiered, sequential career competency development program among low-income, in-school youth ages 14-18 to help them prepare for entry into the workforce and/or higher education.

Project: Center for Robotics Innovation and Education

Address: Central Connecticut State University, 1615 Stanley Street, New Britain, CT 06050

Amount Requested: \$2,600,000

Description: This initiative would establish a Center for Robotics Innovation and Education at Central Connecticut State University to develop, test and evaluate innovative robotic technologies. The research will focus on maneuverability of robotic platforms in difficult, possibly GPS-occluded environments like alleys, stairwells, interiors and parking garages. This research will lead to robotic applications that may prove valuable to military personnel as they operate in demanding urban and other complex terrain environments.

Project: Central Connecticut State University Manufacturing Workforce Initiative

Address: Central Connecticut State University, 1615 Stanley Street, New Britain, CT 06050

Amount Requested: \$500,000

Description: Central Connecticut State University, through its Institute for Technology and Business Development (ITBD), seeks to support manufacturers to maintain competitiveness in a global economy and retain jobs in Connecticut. ITBD will develop and deliver progressive manufacturing training programs via in-house classroom training, distance learning, and open enrollment training methods.

Project: Connecticut River Watershed Study

Address: Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742

Amount Requested: \$450,000

Description: This Study will analyze the operation of each of the Army Corps' fourteen dams in the Connecticut River Basin to determine if it is possible to manage these dams for environmental benefits, while maintaining important human uses.

Project: Cornelia de Lange Syndrome Education and Outreach

Address: Cornelia de Lange Syndrome Foundation, 302 West Main Street, Avon, CT 06001

Amount Requested: \$100,000

Description: The Cornelia de Lange Syndrome Foundation serves just 12% of the estimated number of people who have the syndrome. These funds will be used to identify additional individuals-estimated to be 20,000-so they can benefit from ongoing scientific breakthroughs, treatment protocols and the support the Foundation provides.

Project: Corporate Edge Skills Training Program

Address: The Bridge to Independence & Career Opportunities (TBICO), 39 Rose Street, Danbury, CT 06810

Amount Requested: \$100,000

Description: The Bridge to Independence & Career Opportunities's (TBICO) provides job training and development for continued career growth. The curriculum is designed in partnership with area employers to create realistic career paths by preparing people for real jobs that offer a living wage, provide opportunities for advancement, and make available the supports needed to facilitate job retention and career advancement. The program will provide access to critical employment-related services that are cost-free and currently unavailable in the area.

Project: Danbury Flood Planning Management Study

Address: City of Danbury, CT, 155 Deer Hill Ave, Danbury, CT 06810

Amount Requested: \$500,000

Description: The project will provide hydrologic and hydraulic flood analysis, mapping and modeling of the upper Still River, also known as the Lake Kenosia area and will additionally provide proposed solutions for flooding along the river. Because this area is alongside a mobile home community, this work will not only provide ways to alleviate continuous flooding but also eliminate the need to evacuate people, eliminate regular property damage, and provide a better quality

of living for the residents.

Project: Diagnosing and Treating Skeletal Muscular Injuries in Soldiers

Address: University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030

Amount Requested: \$2,000,000

Description: This request is for the continuation of ongoing research at the University of Connecticut Health Center, where doctors are working with Army researchers on research that can develop a test to find genetic markers that determine a predisposition to skeletal muscular injuries.

Project: Eastern Long Island Sound Environmental Impact Study

Address: Environmental Protection Agency (EPA), 1 Congress Street, Suite 1100, Boston, MA 02114

Amount Requested: \$5,000,000

Description: This request is for funding for the Environmental Protection Agency (EPA) to undertake an Environmental Impact Study (EIS) regarding potential designation of the two eastern Long Island Sound disposal sites. Failure to complete the EIS and subsequent site designation will result in closure of the two eastern sites, beginning with the New London Disposal Site in 2011. Closure of the New London Disposal Site will severely impact the viability of dredging projects in eastern Long Island Sound. This is of particular relevance to the long term operational viability of water-dependent uses in the New London Harbor area, including critical US Navy and Coast Guards bases, marine based commerce, marine transport of petroleum products and other cargo, and the extensive recreational boating industry in Connecticut.

Project: Expanded "Building a Bridge to Improve Student Success" At-Risk Youth Project

Address: 181 White Street, Danbury CT, 06810

Amount Requested: \$750,000

Description: This request would expand the Western Connecticut State University's "Building a Bridge to Improve Student Success" program to Danbury and Bethel public middle schools in order to encourage students at these schools to attend college and better prepare them for college-level work in the sciences, mathematics, and writing.

Project: Farmington Technology Incubation Center

Address: University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030

Amount Requested: \$2,500,000

Description: The Farmington Technology Incubation Center will build upon the University of Connecticut's nationally-recognized expertise in deriving patient stem cells in order to generate start-up companies that will speed the discovery of new drugs. This strategy offers a unique opportunity for job growth and retention of highly trained personnel.

Project: Farmington Valley Regional Dispatch Center Planning Project

Address: City of Avon, CT, 60 West Main Street, Avon, CT 06001

Amount Requested: \$75,000

Description: The funding will be used to consolidate three separate E-911 public safety answering points into a single center in Avon, CT. Once a consolidation plan is prepared, the three communities (Avon, Simsbury & Canton) will be eligible to obtain State funding to pay for the physical transfer of equipment. The project is a positive step in the direction of improving the coordination and provision of public safety services to over 50,000 residents.

Project: Greater New Britain Teen Pregnancy Prevention Services Expansion

Address: Greater New Britain Teen Pregnancy Prevention, Inc., 100 Arch Street, New Britain, CT 06051

Amount Requested: \$100,000

Description: The funding will be used for Pathways/Senderos to continue its operations which include programs to help teens avoid teen pregnancy, deal with violence and crime, and fight alcohol and drug abuse.

Project: Harwinton Naugatuck River Greenway Project

Address: Town of Harwinton, 100 Bentley Drive, Harwinton, CT 06791

Amount Requested: \$100,000

Description: These funds will be used to purchase lands along the Naugatuck River to be incorporated into the Phase Two section of the Naugatuck River Greenway (RT 118 to the Thomaston Dam). The completion of the project will provide the region with a first-class multi-use recreational space and has great potential to help drive regional economic development.

Project: Healthy Heart Risk Reduction and Screening Program

Address: Danbury Hospital, 24 Hospital Avenue, Danbury, CT 06810

Amount Requested: \$100,000

Description: CDC and community data show that heart disease is a leading cause of death. Danbury Hospital has designed a risk reduction and screening program to reduce death from heart disease. The free program targeting at-risk populations is stepped, to build aware of the disease, awareness of risk and next steps to risk reduction through diet, physical activity and if needed, physician follow-up before a situation becomes life threatening. The screenings are held in public areas such as the mall or health fairs. A nurse or other clinician walks the individual through a nationally recognized and standardized risk assessment, follow by height/weight/BMI, blood pressure check, cholesterol screen and then review and health counseling for next steps.

Project: Improving Soldier Recovery from Catastrophic Bone Injuries

Address: University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030

Amount Requested: \$5,000,000

Description: This funding will fill the critical Army need to evaluate newly developed cell therapies that may revolutionize the manner in which catastrophic bone injuries are treated and repaired. Medical care has thankfully resulted in lifesaving care for many soldiers, but unfortunately have left many with severe long-term injuries. Success in this program will mean that injured soldiers will receive the most cutting edge treatment for these severe injuries.

Project: In Car Camera Technology Upgrade

Address: CT Department of Public Safety, 1111 Country Club Road, Middletown, CT 06457

Amount Requested: \$750,000

Description: This request is for funding to outfit all State Police sworn patrol personnel and troopers assigned to Traffic Services Unit with compatible in-car camera packages in order to ensure officer safety and allow sworn personnel the ability to capture and save valuable video and audio evidentiary information for the prosecution of both criminal and motor vehicle violations.

Project: Incident Management Plans for Routes 7, 8, and I-84

Address: Council of Governments of the Central Naugatuck Valley, 60 North Main Street, Floor 3, Waterbury, CT 06702

Amount Requested: \$100,000

Description: The primary goal of the study is to shorten incident response time and achieve lane clearance with the greatest possible speed, safety, and efficiency. An important component of such planning is the development of diversion plans when major arterials must be temporarily closed.

Project: Long Island Sound Dredged Material Management Plan

Address: Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742

Amount Requested: \$4,000,000

Description: Funding will allow the Army Corps of Engineers (ACOE) to evaluate and develop a full range of dredging and sediment management options in a coordinated regional plan. Development of a Dredged Material Management Plan (DMMP) for Long Island Sound is vital to guide the long-term maintenance of commercial and recreational harbors in and around Long Island Sound in an environmentally and economically sound manner.

Project: Long Island Sound Stewardship Act

Address: Environmental Protection Agency (EPA), 1 Congress Street, Suite 1100, Boston, MA 02114

Amount Requested: \$25,000,000

Description: In order for all of our citizens to be able to continue to enjoy Long Island Sound, for its critical fish industries to survive, and for it to remain one of the nation's premier estuaries, strategic and consistent investments must be made in preserving and restoring carefully selected lands along its shores.

Project: Marian Heights Project in New Britain

Address: The Daughters of Mary of the Immaculate Conception, 314 Osgood Avenue, New Britain, CT 06053

Amount Requested: \$400,000

Description: The Daughters of Mary of the Immaculate Conception in New Britain are redeveloping their Motherhouse for senior housing with supportive services. The project, once renovated, will consist of 42 one-bedroom units, a common kitchen and dining area, community space for various programs, administrative offices for the Daughters of Mary of the Immaculate Conception, and areas for child care and adult day health care. The project has already received the support of the Department of Housing and Urban Development through the award of a Section 202 grant and will provide the region with much needed affordable housing.

Project: MidState Medical Center Emergency Department Expansion and Building Project

Address: MidState Medical Center, 435 Lewis Avenue, Meriden, CT 06451

Amount Requested: \$250,000

Description: The project will include approximately 100,000 new and 5,000 renovated square feet and an expansion of the existing Emergency Department. The project will include a total of 53 treatment spaces and 22 medical/surgical inpatient beds, as well as a fourth story of shelled space, which would allow for future expansion of either

outpatient, medical office and/or inpatient services, as well as an enhanced main entrance of the hospital. The hospital projects that by 2011 they will be attempting to serve more than double the number of patients it was originally built to accommodate. The expansion will provide much needed health services to the area's residents.

Project: Neighborhood Outreach Program

Address: Family Services of Greater Waterbury, 34 Murray Street, Waterbury, CT 06710

Amount Requested: \$400,000

Description: The funding will be used to expand Family Services' programs to youth, seniors and families in a community center atmosphere. Programs will include identifying risk factors for substance abuse both in parents and children, addressing domestic violence and increasing safety in the home, and counseling services for Waterbury families.

Project: Protein Production for Research to Combat Viruses and Microbes

Address: University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030

Amount Requested: \$750,000

Description: The University of Connecticut Health Center (UCHC) requests funding to establish a protein production facility to support ongoing research on infectious agents, including mechanisms of transmission and immune response, that will significantly improve food safety and lead to new approaches for combating infectious disease in animals and humans.

Project: Ready Building

Address: Connecticut Army National Guard, William A. O'Neill Armory, 360 Broad Street, Hartford, CT, 06105-3795

Amount Requested: \$11,089,000

Description: Requested funding will be used for the construction of a 24,000 square foot Ready Building to provide administration, storage and training space for a twenty-two person 14th Civil Support Team (CST-WMD). Currently there are no sufficient facilities available to adequately house the unit, and its equipment, within the state. This project will ensure the unit's ability to meet its readiness, recruiting and retention, and training objectives by provided a facility sized appropriately for their needs.

Project: Residency Training Demonstration Program for Nurse Practitioners/Primary Care Providers

Address: Community Health Center Inc., 635 Main Street, Middletown, CT 06457

Amount Requested: \$250,000

Description: Community Health Center, Inc. seeks to launch its successful nurse practitioner program into demonstration project, which can pave the way for replication in Federally Qualified Health Centers (FQHCs) and other safety net providers across the nation. FQHCs that are capable of sponsoring a residency training program benefit from the program directly, and FQHCs that then hire the residency-trained NPs are able to benefit from their on-the-job experience. Such a residency program will greatly enhance the need for primary care providers throughout Connecticut.

Project: Sanitary Sewer Inflow and Infiltration Improvements

Address: Town of Cheshire, 84 South Main Street, Cheshire, CT 06410

Amount Requested: \$300,000

Description: Excess flow entering the system uses the capacity intended for residential, commercial, and industrial flow. This creates a strain on the Town's wastewater treatment plant and causes sanitary sewer overflow. By reducing sewer overflow, residents are better protected from degraded drinking water quality and polluted waterways.

Project: Silvio Conte National Fish and Wildlife Refuge

Address: U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, NH 03301

Amount Requested: \$7,065,000

Description: This request is to enable the US Fish and Wildlife Service to acquire key land parcels in the four Connecticut River states as additions to the Silvio Conte National Fish and Wildlife Refuge. In Connecticut, \$250,000 in funding will be used to enable the US Fish and Wildlife Service to acquire a critical property on Pine Brook, an important tributary of the Salmon River in Haddam, Connecticut as part of the Salmon River Division of the refuge.

Project: St. Mary's Hospital O'Brien Building Renovation & Reconstruction

Address: St. Mary's Hospital, 56 Franklin Street, Waterbury, CT 06706

Amount Requested: \$500,000

Description: This funding would be put toward renovating a vacant floor in the hospital to add 24 beds that would allow Saint Mary's Hospital to increase needed healthcare services to area patients.

Project: TFI - CNAF BEDDOWN - UPGRADE FACILITIES

Address: Connecticut Air National Guard, 100 Nicholson Road, East Granby, CT, 06093

Amount Requested: \$9,100,000

Description: Requested funding would be used to build the facilities needed to support the 103rd Airlift Wing's Component Numbered Air Force (cNAF) Air Operations Command Center. This mission, assigned to the 103AW following the removal of their A-10s through the 2005 BRAC process, will engage the CT Air National Guard in high-tech, highly-skilled work that will support the planning operations, intelligence, logistics, combat service support, and communications-electronics needs of air combat operations around the globe. While this project is currently planned for 2011, acceleration to 2010 is needed to adequately support the training of personnel to meet the needs of their new mission - and without acceleration, there will be a gap in the 103AW's ability to adequately accomplish this important mission.

Project: Torrington's Main Street Realignment Project

Address: City of Torrington, CT, 140 Main Street, Torrington, CT 06790

Amount Requested: \$750,000

Description: The middle of Torrington's downtown is plagued by a poorly functioning five-point intersection (Main Street, East Main Street, South Main Street, Franklin Street, and Water Street). It results in vehicular traffic disruptions and jeopardizes pedestrian safety throughout the day. To address the problem, the City has designed a reconfiguration plan that will realign the existing roadway into a pedestrian and vehicle friendly intersection.

Project: Torrington Downtown Redevelopment Project

Address: City of Torrington, CT, 140 Main Street, Torrington, CT 06790

Amount Requested: \$800,000

Description: The Redevelopment Project will serve to stimulate the local economy by driving residents and visitors downtown for shopping, cultural opportunities, the historic character and the pedestrian experience of the city. Renovations and restoration of anchor stores and venues demonstrate the opportunities available when public and private interests combine for the community's benefit.

Project: Torrington Emergency Operations Center and Regional Dispatch Project

Address: City of Torrington, 140 Main Street, Torrington, CT 06790

Amount Requested: \$1,000,000

Description: Torrington is expanding its existing Emergency Operations Center to accommodate the increasing need to serve more communities in Litchfield County and northwestern Connecticut. Torrington is modeling methods that surrounding cities and towns can use by fully integrating all of their emergency operations call and dispatch systems. The project will benefit the taxpayer and the residents around the Torrington region as public safety will be improved with a emergency operations center that is fully compatible with statewide communications systems and that meets FEMA standards.

Project: Town of Watertown Emergency Communications System

Address: Town of Watertown, 424 Main Street, Watertown, CT 06795

Amount Requested: \$500,000

Description: The request would help keep the community safe by upgrading the town's outdated and unreliable Town Emergency Console in order to ensure the local police, fire, public works, and emergency 911 communications have the ability to communicate seamlessly.

Project: Tunnel Lining Construction Project

Address: City of New Britain, 27 West Main Street, New Britain, CT 06051

Amount Requested: \$900,000

Description: The most recent Infiltration and Inflow analysis conducted by the City of New Britain showed that rehabilitating this tunnel would be cost effective. The analyses compared the project's cost to the City's cost of transportation and treatment of infiltration. Therefore it was deemed more cost effective to construct the project than to pass the costs associated with the infiltration to the sewer users.

Project: UCONN Health Center Live Cell Molecular Imaging Suite

Address: University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030

Amount Requested: \$1,200,000

Description: The University of Connecticut Health Center requests this funding to complete the Live Cell Molecular Imaging (LCMI) Suite and to integrate new tools to enable molecular manipulation in living cells. Funding from FY05-06 has been used to build an extremely high sensitivity imaging system that allows them to determine the number of proteins actually present in a given cell, and to follow the movements and physical interactions of individual proteins within that cell. By better understand the way cells react in different environments at the molecular level, they can better

design medical treatments for better outcomes.

Project: Urban Youth Workforce Transition Program

Address: Central Connecticut State University, 1615 Stanley Street, New Britain, CT 06050

Amount Requested: \$500,000

Description: Central Connecticut State University (CCSU) through its Institute for Technology and Business Development (ITBD) seeks federal funding for a multi-prong approach to prepare urban youth for the workforce. The goal of this project is to foster employability skills needed to attain and maintain employment and/or acceptance into a higher education institution, which will result in long-term economic independence.

Project: Voluntary Acquisition of Homes within the Runway Protection Zone (PRZ) at Waterbury-Oxford Airport

Address: Connecticut Department of Transportation, 2800 Berlin Turnpike, Newington, CT 06131

Amount Requested: \$1,200,000

Description: Funding is requested to implement a FAA and Connecticut Department of Transportation approved Part 150 Noise Study which recommended among other things, purchasing homes and providing sound proofing for others. Homes are located within the Runway Protection Zone (RPZ) at Waterbury-Oxford Airport (OXC) in Oxford, Connecticut.

Project: Vulnerable Population Afterschool Recreation and Educational Programs Sustaining and Expansion of Programs

Address: Police Activity League of Waterbury, Inc., 64 Division St, Waterbury, CT 06704

Amount Requested: \$100,000

Description: This request is for funding to be used to sustain operations relative to activities, supplies, equipment, and expand upon outreach and mentoring programs to help the Waterbury PAL meet its goals and long-term commitments to the community.

Project: Waterbury Hospital Multi-Story On-Campus Parking Garage

Address: Waterbury Hospital, 64 Robbins Street, Waterbury, CT 06708

Amount Requested: \$1,000,000

Description: This funding will help to create a 200 space multi-story on-campus parking garage. Increasing the number of parking spaces at Waterbury via a parking garage for out-patients, visitors and visiting physician faculty would make the hospital more accessible. Unfortunately, each day, the deficiency in available parking at the hospital provides a hardship for patients, hospital employees and visiting families.

Project: Waterbury Intermodal Transportation Center Project

Address: City of Waterbury, 236 Grand Street, Waterbury, CT 06702

Amount Requested: \$4,000,000

Description: The transportation center will house commuter rail service, local and regional bus service, taxi service and shuttle services in addition to commuter travel and tourism activities.

Project: Waterbury Naugatuck River Greenway Project

Address: City of Waterbury, CT, 236 Grand Street, Waterbury, CT 06702

Amount Requested: \$500,000

Description: The City of Waterbury intends to construct a 7.6 mile urban greenway and transportation corridor that will become the largest urban component of a 45-mile long corridor and greenway system that is being planned and/or constructed for the length of the Naugatuck River from Torrington to Derby, Connecticut. The completion of the project will provide the region with a first-class multi-use recreational space and has great potential to help drive regional economic development.

Project: Wellspring Foundation Programming

Address: Wellspring Foundation, 21 Arch Bridge Rd, Bethlehem, CT, 06751

Amount Requested: \$100,000

Description: Funds will be used to support Wellspring's residential programs which include services for children, girls and adults. Additionally funds will be used for Wellspring's host of outpatient counseling services which provide therapies that address emotional and psychological issues such as mood disorders, eating disorders and issues working through trauma and loss.

Project: Wheeler-Young VFW Post 201 Construction in Waterbury

Address: Wheeler-Young VFW Post 201, 1338 Baldwin Street, Waterbury, CT 06706

Amount Requested: \$100,000

Description: The VFW Post 201 in Waterbury recently purchased three acres of land to build a new facility so they can continue their work in a facility that is accessible to their older World War II, Korean War, and disabled veterans. For nearly nine decades, VFW Post 201 has provided local high school students with scholarships, donated to many local charities such as the St. Vincent DePaul Soup Kitchen, Salvation Army and the Boy Scouts, assisted needy veterans with transportation to local VA Heath Clinics, sent thousands of dollars of packages to our troops overseas, and purchased calling cards so they can stay in contact with their loved ones here in the United States.

Project: Women's Business Development Center

Address: Women's Business Development Center, 888 Washington Boulevard, 10th Floor, Stamford, CT 06901

Amount Requested: \$1,000,000

Description: The Women's Business Development Center provides training and technical assistance to women owned businesses in Connecticut. Their services include training, counseling, and technical assistance in the areas of finance, management, procurement, and marketing to emerging or established business owners. This funding will stabilize existing operations and expand the scope of services in the Fifth District through their center in Waterbury.

Below is Congressman Chris Murphy's (CT-5) list of Defense Authorization requests for Fiscal Year 2010. These projects represent requests for authorizations and carry no appropriations funding with them. The Armed Services Committee will make the final decision on which programs to authorize.

Project: Center for Robotics Innovation and Education

Recipient: Central Connecticut State University, 1615 Stanley Street, New Britain, CT 06050

Amount Requested: \$2,600,000

Description: Military robots of various sizes, configurations and numbers are currently providing critical support to soldiers and their other combat systems during military operations such as improvised explosive device detection and defeat, ordnance disposal, surveillance and reconnaissance, and force protection. However, as unmanned systems deploy increasingly to complex and cluttered environments such as the urban landscape, there is a significant need to improve their mobility and ability to operate remotely, often beyond line-of-sight of an operator and other robots. Advances in the areas of robotic platforms, GPS-free maneuverability, autonomy, operator interactions and interfaces, and integration with other unmanned systems will be crucial to increasing the value of military robots as force multipliers during operations in challenging surroundings. This initiative aims to establish a Center for Robotics Innovation and Education to develop, test and evaluate innovative robotic technologies to augment and extend the capabilities of current robotics. The Center for Robotics Innovation and Education will combine research in sensing, sensor processing, navigation and control, user interfaces, and legged and wheeled locomotion.

Project: Complete Molten Carbonate Fuel Cell Demonstrator

Recipient: FuelCell Energy, 3 Great Pasture Road, Danbury, CT 06810

Amount Requested: \$4,500,000

Description: The proposed project would establish the Naval Submarine Base New London, at Groton, Connecticut as the premiere location for demonstration of Defense Department applications of molten carbonate fuel cells by providing a 1.2 megawatt fuel cell power plant to provide pierside shore power supporting a critical national security asset. Successful development of a Groton Fuel Cell Center would enable the base to accommodate its increasing energy demands while moving to a secure, alternative energy source.

Project: Diagnosing and Treating Skeletal Muscular Injuries in Soldiers

Recipient: University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030

Amount Requested: \$3,500,000

Description: U.S. soldiers both in training and combat roles are susceptible to a variety of muscle injuries vigorously over-exerting themselves, by trauma, or even ischemia/reperfusion injury induced by tourniquet necessary for restricting blood flow to an open wound. Nearly 20 percent of new army recruits could not continue with the rapid-fire vigorous physical training as a result of muscle injury or in severe cases, as a consequence of rhabdomyolysis. According to Army doctors, skeletal muscle or joint damage is a leading disability among enrolled soldiers. UCHC and the doctors at the Army Medical Research and Materiel Command have been working on the affect and prevention of skeletal muscle damage. Through the UCHC current research program with the Army Natick Soldier Center, the authorization will allow them to continue to develop potentially new methods, based on novel therapeutic target, to reduce severity of muscle injury.

Project: Domestic Production Source for Gun Hard IMU

Recipient: Atlantic Inertial Systems, 250 Knotter Drive, Cheshire, CT 06410

Amount Requested: \$8,000,000

Description: AIS has developed a leading edge Micro-Electrical-Mechanical Systems (MEMS) sensor and associated Inertial Measurement Unit. Authorization of this program will provide for a capability to produce these IMUs in the United States. The IMUs will be produced in Cheshire, CT and a supply chain will be assembled so that components in the IMU are American made. This approach will fuel the creation of a significant number of jobs in the US while protecting the US DOD against cost fluctuations due to monetary exchange rates.

Project: Enabling Optimization of Reactive Armor

Recipient: Ensign-Bickford Aerospace & Dynamics, 100 Grist Mill Lane, Simsbury, CT 06070

Amount Requested: \$3,000,000

Description: The Enabling Optimization of Reactive Armor (RA) program will provide for the optimization of current Reactive Armor (RA). RA provides for the protection of the Abrams and new advances show promise in reducing weight, meeting new threats and increase overall safety. The Abrams, Future Armor Tile (FAT) RA system Type Classified in 1999 is a candidate for this optimization.

Project: Improving Soldier Recovery from Catastrophic Bone Injuries

Recipient: University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030

Amount Requested: \$5,000,000

Description: Authorization would allow the University of Connecticut Health Center requests to continue their partnership with the U.S. Army Institute for Surgical Research (USAISR) to develop a standardized model to evaluate the reparative properties of human tissue cells that are beginning to be applied to the clinical problem of critical size bone injuries. This research will focus craniofacial reconstruction; limb reconstruction, and regeneration or transplantation. The UCHC will develop their research in human adult stem to address an issue which could potentially provide medical remedies to catastrophic bone injuries suffered by soldiers.

Project: Man Portable GC-TMS for Chemical Threat Detection and Identification

Recipient: Smiths Detection, 21 Commerce Drive, Danbury, CT 06810

Amount Requested: \$3,000,000

Description: To develop a chemical detector and identifier that is small rugged, easy to use with broad chemical detection and identification capabilities. The device will be used in rugged remote locations to identify sources of potential threats, for force protection and in homeland security applications. Initial program activity would target hardening of a GC-TMS system to enable deployment into environments of potential chemical contamination. Software would be developed that will enable the display and interpretation of results for soldiers, sailors and airmen who are not chemist and not trained in the use of GC-MS, development of sampling technologies and protocols to expand the capabilities of the standard instrument to include the detection and identification of ultra trace levels of CWA and explosive threats.

Project: Operationally Responsive EO ISR Satellites

Recipient: Goodrich Electro-Optical Systems, 100 Wooster Heights Rd, Danbury, CT 06810

Amount Requested: \$42,400,000

Description: Authorization would allow for the continued work on this project. ORS Sat-1 will provide day/night multi-spectral images over a broad coverage area from a Low Earth Orbit while maintaining compatibility with the existing

DCGS-based ground infrastructure for data dissemination.

Project: Ready Building

Recipient: Connecticut Army National Guard, William A. O'Neill Armory, 360 Broad Street, Hartford, CT, 06105-3795

Amount Requested: \$11,090,000

Description: The construction of a Ready Building to provide administration, storage and training space for a 22 person Civil Support Team. The space will allow the members of the unit to train and perform their duties in a Facility and location that offers the access and security required.

Project: Sustainable Water System Using Renewable Energy

Recipient: United Technologies Corporation, United Technologies Building, Hartford, CT 06101

Amount Requested: \$6,000,000

Description: The U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC) initiated development of mobile water generation technologies in the late 1990's to provide water to field-deployed units where surface water or other supply sources are not available. Initial research focused on water extraction from diesel exhaust and attendant purification and treatment technologies. In 2002, TARDEC began funding development of technologies designed to extract water from atmospheric air producing inherently cleaner water. The need to provide in-theatre water generation has been identified as a Maneuver Sustainment technology gap by the U.S. Army Training and Doctrine Command (TRADOC). This water generation technology also has direct application outside the military for civilian disaster relief and emergency preparedness for the Department of Homeland Security (DHS). The data generated will be used to support preparing the Joint Capabilities Integration Development System Documentation for Petroleum and Water Logistics. This will include the Initial Capabilities Document for water generation technology. Once this process is complete, the Product Manager for Petroleum and Water Systems will be able to initiate a development program for water generation technology.

Project: TFI - CNAF BEDDOWN - UPGRADE FACILITIES

Recipient: Connecticut Air National Guard, 100 Nicholson Road, East Granby, CT, 06093

Amount Requested: \$9,100,000

Description: The 103rd Airlift Wing requires an adequately sized and properly configured Component Numbered Air Force Air Operations Command Center with Air Mobility Division and Support facilities to effectively train and conduct the assigned mission, both at Bradley and in the assigned area of responsibility.

Project: Terahertz Spectrometer Technology

Recipient: Goodrich Electro-Optical Systems, 100 Wooster Heights Rd, Danbury, CT, 06810

Amount Requested: \$5,800,000

Description: Since 2005, the Army Research Laboratory (ARL) has received Congressional appropriations to develop the TMS-1000 THz spectrometer. The THz spectrometer uses a unique detection method by measuring the amount of energy absorbed in the THz portion of the spectrum to significantly improve sensitivity and resolution to a level required to detect hazardous materials, including explosives. Using previous funding, the THz system was developed to a level suitable for testing against hazardous materials, and it tested against 11 chemicals with five interferences at the Battelle Memorial Institute. The current system, however, is a laboratory prototype, large and complex for the user. Fiscal Year 2010 authorization would be used to make a portable and rugged system able to operate outside of the laboratory in an outdoor environment, and this next generation system will be used for testing against hazardous materials to build a signature database.

Project: Terahertz Technology for IED Detection

Recipient: Goodrich Electro-Optical Systems, 100 Wooster Heights Rd, Danbury, CT 06810

Amount Requested: \$2,900,000

Description: The THz spectrometer uses a unique detection method by measuring the amount of energy absorbed in the THz portion of the spectrum to significantly improve sensitivity and resolution to a level required to detect hazardous materials, including explosives. Authorization would allow the Intelligence and Information Warfare Directorate (I2WD) to modify and procure a TMS-1000 and measure its capabilities to detect various explosives and the materials used during their manufacture. I2WD currently analyzes all combat IED incidents to determine their origin, unique signatures, and manufacturing methods. The TMS-1000 would be modified with alternate sources that have 1000 times the power of the current source and narrower line widths, and higher sensitivity detectors would be incorporated into the system. The TMS-1000 has provided the Army with unique capabilities for THz absorption detection for hazardous materials.