

Congressman Ortiz

Fiscal Year 2010 Defense Authorization/Appropriations Requests

Navy Aircraft Carrier Ship Disposal Demonstration Project

Additional funding in the ship disposal account for a demonstration project will allow the Navy to dismantle and dispose of two obsolete aircraft carriers. The Navy currently has 3 aircraft carriers that have been struck from the Naval Vessel Register and designated for disposal. The Navy Ship Disposal Program was established to decrease financial and environmental liabilities associated with maintaining these inactive ships, freeing funds for other Navy operations. This program addition would help ensure that ship disposal capacity remains in the U.S. where hull design information is secure and navy ships are dismantled in a manner that is environmentally responsible, safe and cost effective. Disposal of the aircraft carriers will increase the required labor force in the United States to over 1000 workers. Nearly 400 skilled workers are employed in ship disposal yards in South Texas currently. \$6 million is requested. The recipient of the funds is the United States Navy in Washington D.C. The contract for disposal will be competitively awarded.

Redevelopment of Naval Station Ingleside Property

The Ingleside Local Redevelopment Authority (LRA) was formed to oversee the redevelopment of Naval Station Ingleside as a means of mitigating the job loss of 6,600 jobs due to the closure of Naval Station Ingleside decided during BRAC 2005. The funds requested will be utilized for the redevelopment of the NS Ingleside. Redevelopment of the site is one of the few available “tools” that the LRA has to immediately offset these losses. The redevelopment plan outlines a public-private sector approach to job generation at the site. The Ingleside LRA has a goal to focus recruitment and retention efforts on attracting primary jobs that will bring in revenue to the region from outside sources. The use of taxpayer funds will bring significant community impact through the creation of new employment opportunities for the Coastal Bend region. \$3 million is requested. The recipient of the funds is the Ingleside Local Redevelopment Authority in Ingleside, Texas. Funds will be dispersed as appropriate by the Department of Defense’s Office of Economic Adjustment.

UH-60 A-A to UH 60L (Black Hawk) Conversion

As the aircraft age increases, it will be increasingly difficult to maintain the high operational tempo and high availability rates required to fight the war on terror, provide aid and assistance to friendly nations and support disaster relief missions here at home. The Army is modernizing 193 UH-60A helicopters over 7 years with a UH-60A recapitalization program. This program includes an airframe life extension, fleet-wide product improvements and the replacement of components with the latest UH-60L configuration. In order to keep the fleet viable and retire “A” model Black Hawk helicopters sooner than current funding allows, the Army National Guard wants to re-capitalize/convert their oldest “A” models to the “L” configuration. Funding 12 additional UH-60L conversions will enable a more rapid standardization of the Black Hawk fleet, and assure that Army National Guard units are ready, deployable and available to protect our national interests abroad, and respond to emergencies here at home. \$57 million is expected to be included in the President’s budget for 38 aircraft; this additional funding request in the amount of \$20.4 million will allow 50 Black Hawk conversions for fiscal year 2010. Work is performed at the Corpus Christi Army Depot in conjunction with Sikorsky. Currently, Sikorsky

Aircraft Corporation, located at 6900 Main Street in Stratford, CT, is the recipient of funds. Under the new House rules, funding will be competitively awarded by the Army.

Naval Air Station Corpus Christi, Chief of Naval Air Training Headquarters

This project constructs a headquarter facility for the Chief of Naval Air Training, TRAWING 4 and MATSG operations. It will provide an adequate and efficiently configured facility to house the Chief of Naval Air Training (CNATRA) command to train aviation professionals for Joint Forces for tasking in the Global War on terrorism; the Training Air Wing Four (TRAWING 4) whose mission is to provide primary and advanced multi-engine pilot training for Navy, Air Force, Marine, Coast Guard and Allied Foreign military; and the Marine Aviation Training Support Group 22 (MATSG-22) whose mission is to provide administration and training support to all marines aboard NAS Corpus Christi. This project is expected to be in the Navy's Future Year's Defense Plan submitted along with the President's budget request for fiscal year 2010. The total project cost and amount requested is \$15.6 million. The United States Navy (Naval Air Station Corpus Christi, Texas) will be the recipient of the funding.

Plasma Technologies, Texas A&M University at Corpus Christi, \$1M, RDT&E, Army

The majority of wounds sustained in Operation Iraqi Freedom and Operation Enduring Freedom result from extremity injuries including a large number of open fractures. These open fractures are associated with a high infection and complication rate and are often associated with severe bleeding. Funding will be used to continue plasma research at Texas A&M University at Corpus Christi to develop and adapt non-thermal (cold) plasma based technology for the Department of Defense to provide for rapid and effective treatment and healing of battlefield wounds through sterilization and blood coagulation using field compatible instrumentation. That plasma has potency on the blood clotting mechanism is known, but its ability to trigger the cascade has implications for enhancing other pathways that may have relevance to other anomalies. Additionally, non-thermal plasma technologies constitute an emerging frontier encompassing applications in a wide variety of fields. The spin offs from these technologies will revolutionize biomedical procedures, benefit the environment, improve energy extraction efficiencies in the oil and natural gas industries, and improve safeguards against invasive species of harmful microorganisms in the coastal waters. \$1 million is requested for this research. The recipient of funds will be Texas A&M University at Corpus Christi, 6300 Ocean Drive, Corpus Christi, Texas 78412. Funds will be dispersed by the United States Army.

Rio Grande Valley Nanotech Institute Center of Excellence

The funding requested will serve to create and develop the Rio Grande Valley Nanotech Institute, a center of excellence dedicated to foster research and education in several areas of nanoscience and nanotechnology. The institute will serve government, industry and the community by becoming an advanced technology research, development and training facility in one of the forefront technological areas of our time. The RGV Nanotech Institute will conduct research in applied science where measurable outcomes can easily be identified:

Nanobiotechnology, Energy and Studies of optical micro-cavities properties to design new nanophotonic materials. It will also produce measurable education outcomes in terms of undergraduate and graduate students involved in this research; and training of personnel in these technologies suitable to enter the specialized workforce in related industries.

The Rio Grande Valley Nanotech Institute will partake in existing collaborations, particularly CONTACT, the Consortium for Nanomaterials for Aerospace, Commerce and Technology integrated by UT Austin, UT Dallas, UT Arlington, UT Pan American, the University of Houston and Rice University as well as by UTB. This project will spur and accelerate

university/industry technology transfer, to foster nanotechnology-based education, research and development, and commercialization; to provide materials and devices for superior aerospace systems for the US Air Force; to develop nano-biotechnologies that will improve control, prevention and eradication of diseases and to thereby provide enhanced security and important new products for the Nation. This project will have a positive impact on South Texas economy as research and collaboration begin. \$5 million is requested. The recipient of funding is the University of Texas at Brownsville, located at 80 Fort Brown, Brownsville, Texas 78520. Funds will be dispersed by the United States Air Force.

Gulf of Mexico Geoid Model

This funding will allow the Naval Research Laboratory to partner with National Geodetic Survey along with the Texas A&M University - Corpus Christi (TAMU-CC) and the National Geodetic Survey of NOAA to perform an extensive airborne gravity survey of Texas and the states bordering the Gulf of Mexico. This survey will establish a precise vertical datum to support the US Army Corps of Engineers and civilian programs in storm surge and flooding models, coastal reconstruction, wetlands restoration, and subsidence monitoring so critical to this region. A center of expertise for geodesy and aerogravimetry will be created at TAMU-CC as a result of this project. Current geoid models used for navigation, mapping, engineering, and surveying by the US Army Corps of Engineers (USACE) are inadequate. This leads to errors in height measurements, which in turn, for example, lead to improper designation of flood plains and many other designations requiring accurate heights – including affecting military flights. Accurate geoid models will then allow; (i) improved geospatial mapping for homeland security and defense applications, (ii) for an accurate base elevation to support the US Army Corps of Engineers mission, (iii) improved hurricane SLOSH models for coastal flooding, where hydrographic and topographic mapping in coastal zone areas are typical land maps which use one height system and ocean charts use another, (iv) accurate heights for engineering and construction projects, (v) air and ground transportation navigation. \$3.5 million is requested for Texas A&M University at Corpus Christi, 6300 Ocean Drive, Corpus Christi, Texas 78412. The funds will be dispersed by the United States Navy.

Marksmanship Skills Trainer

These funds will allow the Texas National Guard to procure trainers that will be stationed at the various Texas Army National Guard facilities allowing for maximum use for the soldiers. The system allows for ongoing marksmanship training in a simulated environment without the expenditure of ammunition or need to travel to a weapons range. These systems are portable allowing for use at any training opportunity or place. The weaponry used replicates current and future fielding to the Texas Army National Guard and increases readiness of the Texas National Guard. The integration of this system in the TXARNG inventory is a combat multiplier. Funding is requested in the amount of \$2.2 million for the Texas National Guard (PO Box 5218 Austin, Texas 78763).

Our Military Kids, Inc. Grants to Children of Deployed or Severely Injured National Guard and Reservists

Our Military Kids provides grants to cover fees associated with tutoring, athletic, or fine arts programs for children of deployed National Guard and Reserve forces and of severely injured service members of the active and reserve military. This program ensures that these children have access to activities that might otherwise be unavailable to them as a result of economic hardship caused by a parent's deployment, recovery from severe injury, or because they live too far from a military installation to avail themselves of the many options provided there.

Nationally, a recent survey has shown that 65% of all Guard and Reserve families utilizing the Our Military Kids program live more than 30 miles from the nearest military base. Since April 2005, Our Military Kids has awarded over 6,800 grants in all 50 states, District of Columbia, Puerto Rico and the Virgin Islands. The program supports National Guard and Reserve families during periods of great stress; promotes retention of Guard and Reserve personnel (a recent survey indicated that nearly 80% of service members and spouses consider the program a valued benefit when making a reenlistment decision); demonstrates support, recognition, and appreciation for our reserve military community; builds strong and ready families; and supports reserve families with services that would be readily available to them at a military installation. Over 350 grants have been awarded to children residing in the state of Texas. \$3.5 million is requested for OMK (located at 6861 Elm Street, Suite 2A McClean, VA 22101), a non-profit.

Summer Training, U.S. Naval Sea Cadet Corps

The Congressionally chartered youth program is focused upon development of youth ages 11-17, serving almost 9,000 Sea Cadets and adult volunteers in 387 units country-wide. It promotes interest and skill in seamanship and aviation and instills qualities that mold strong moral character in an anti-drug and anti-gang environment. Summer training onboard Navy and Coast Guard ships and shore stations is a challenging training ground for developing self-confidence and self-discipline, promotion of high standards of conduct and performance and a sense of teamwork. Funds will be utilized to “buy down” the out-of-pocket expenses for training to \$120/week. NSCC instills in every Cadet a sense of patriotism, courage and the foundation of personal honor. A significant percent of Cadets join the Armed Services often receiving accelerated advancement, or obtain commissions. The program has significance in assisting to promote the Navy and Coast Guard, particularly in those areas of the U.S where these Services have little presence. Accessions related to this program are a significant asset to the Services. The U.S. Naval Sea Cadet Corps has a large presence in South Texas that benefits the youth. An additional \$650,600 is requested for this program. Coupled with the expected \$1.7 million in the President’s budget for fiscal year 2010, the program total will be \$2.3 million. The U.S. Naval Sea Cadet Corps is located at 2300 Wilson Blvd., Arlington, Va. The U.S. Navy will disperse the funds.

Industry Innovation for Defense Sustainment Program

This program deploys the latest manufacturing technologies in Department of Defense (DOD) depots through partnering projects with America’s leading manufacturing companies. The program has completed 45 projects that are generating annual savings of \$108 Million – a return on investment of 20 times. There are currently 35 projects underway in over 35 DOD activities. Every DOD dollar is matched 2-to-1 by the commercial partners. No other program exists anywhere within DOD to bring commercial best practices to the depots. CTMA has won five Defense Manufacturing Excellence Awards since 2002. This is the only program in existence that helps infuse, on a system-wide basis, the most modern and technologically advanced manufacturing processes into the DOD maintenance community thus achieving success in reducing costs and increasing readiness. Lean activities and streamlining processes associated with this program (decreasing turn around time and cost) at CCAD will allow for assuming additional work. \$5 million is requested for the National Center for Manufacturing Sciences located at 3025 Boardwalk, Ann Arbor, MI. Funds will be dispersed by the U.S. Army.

Renewable Energy Demonstration Project at Naval Station Kingsville

This pilot project will be a demonstration of a renewable energy (solar panels) that reduces carbon emissions and provides a renewable source of free electricity for Naval Air Station Kingsville. Additionally, it will also serve as a model of deployable military electricity generation that could reduce the need for costly and dangerous fuel convoys in wartime environments. These savings will allow funds to be diverted to more urgent operational needs. \$2.8 million is requested for this project. The funding recipient is Florida Solar Energy, located at 725 SW 16th Avenue, Suite 6A, Del Ray Beach, FL for installation of solar panels at NAS Kingsville. Funds will be dispersed by the United States Navy.

Buster/Backlight UAV Development

The BUSTER® Backpack is a fully automated, unmanned aerial surveillance system capable of carrying superior sensor payloads, with greater endurance, lighter payloads and enhanced target capabilities over existing systems. This capability has been demonstrated and initially proven over the past 24 months in aggressive trials at Fort Benning (AAEF), Fort Dix (C4-ISR/Relay/SRW), Fort Knox, Camp Roberts (SOCOM), Aberdeen Proving Grounds (SOCOM), NAVY & John Hopkins University and with Coalition Warrior Interoperability Demonstrations (CWID). Its unique Twinwing™ design provides unsurpassed stability as well, allowing it to fly when comparable systems are grounded. This funding will support continued development of BUSTER® Backpack's enhanced capabilities in terms of endurance, cost, performance, and the ability to provide stable imagery during adverse weather when other air vehicles cannot. \$5 million is requested for Mission Technologies located in 14785 Omicron Drive, Ste 102 in San Antonio, Texas. Funds will be dispersed by the U.S. Army.

Advanced Anti-Radiation Guided Missile

ATK is executing the Advanced Anti-Radiation Guided Missile (AARGM) ADP program for the DOD and National Reconnaissance Office (NRO) which expands AARGM's Time Critical Strike (TCS) targets to include non-traditional radiating and GPS point targets. ADP efforts were begun by the Office of Naval Research (ONR) in FY2006 to provide expanded capabilities to the AARGM system. AARGM is an upgrade to the legacy AGM-88 HARM weapon system to transform the legacy Suppression of Enemy Air Defenses (SEAD) capability to a Destruction of Enemy Air Defenses (DEAD) and multi-role strike capability. AARGM transitions from SD&D to LRIP in FY08. AARGM replaces the control section and the seeker sections of HARM with an advanced digital ARH receiver, a millimeter wave seeker, GPS and improved inertial guidance. The advancements coupled with network centric communications and weapons impact assessment link make AARGM effective and lethal against the modern improved Air Defense systems being fielded today. This classified (TS-SCI) program expands the traditional and non-traditional military requirement target set. Accelerated funding would provide this critical national command authority capability to the war fighter at a much earlier date. \$1.9 million is requested for this project. The funding recipient is ATK located at 5050 Lincoln Drive, Edina, MN. Funds will be dispersed by the United States Navy.

Naval Air Station Corpus Christi, Squadron Operations Facility

This project constructs adequate facilities for TRAWING FOUR Training Squadron Operations that includes construction of new helicopter parts lay down area, parking, and renovation of Building 1824 TRAWING administrative space. Training Air Wing Four (TRAWING FOUR) squadrons VT-27, VT-28, VT-31, and VT-35 provide initial flight training to aviation cadets from the United States Navy, Marine Corps, Air Force, Army, and allied forces: Chief of Naval Air Training (CNATRA); Commander, Mine Warfare Command (COMINEWARCOM); Corpus

Christi Army Depot (CCAD); Coast Guard Air Group/Air Station; Commander, Mobile Mine Assembly Group (COMOMAG), and other tenant activities and units. This project is expected to be in the Navy's Future Year's Defense Plan submitted along with the President's budget request for fiscal year 2010. The total project cost and amount requested is \$30.3 million. The funding recipient is the United States Navy (Naval Air Station Corpus Christi, Texas).

Texas Defense Manufacturing Supply Chain Initiative

This project will establish the Texas Supply Point to provide quick solutions for critical DoD machined part shortages utilizing a validated database. The Texas SupplyPoint® will be modeled after the New England and Florida SupplyPoint® initiatives. Using a proven technology-assisted, advanced engineering process, the objectives of Texas SupplyPoint® are to 1) increase efficiency of logistics support at the Corpus Christi Army Depot, 2) to increase participation and utilization of small Texas manufacturers by the DoD, and 3) to develop an electronic stockpile of machine parts for legacy and new weapon systems that can be manufactured on demand for the DoD. This project will mitigate disruptions to the DoD supply chain by illustrating and maximizing industrial capabilities, decreasing turn around time, and reducing the cost of maintaining an inventory of machine parts by serving as a knowledge-based buying agent for the DOD, thus providing better support for the war fighter. \$5 million is requested for this project. The funding recipient is the U.S. – Mexico Educational Foundation located at 222 Las Colinas Blvd, Suite 854, Irving, Texas. Funds will be dispersed by the United States Army.

Corrosion Control Facility, Corpus Christi Army Depot

This is a replacement for CCAD's outdated 1970's era deteriorating hangar in which aircraft is painted after repair. The present facility will not meet the future increasing environmental standards. In order to continue to support war fighter needs, a new facility is required. This project is expected to be in the Army's Future Year's Defense Plan submitted along with the President's budget request for fiscal year 2010. The total project cost and amount requested is \$28 million. The recipient of funding is the U.S. Army (Corpus Christi Army Depot).