

## Anniston, AL – Design/Build WWTP for Anniston Army Depot

Crowder Construction Company, as part of the Joint Venture Team of O'Brien & Gere/Crowder, was selected by the U.S. Army Corps of Engineers – Mobile District for design and construction of the industrial wastewater treatment plant located at the Anniston Army Depot. This \$24 million project is critical to the repair and redeployment of tracked equipment to support our military personnel in Iraq and Afghanistan.

## MCAS Cherry Point, NC – BNR Upgrade to WWTP

This project was a Biological Nutrient Removal (BNR) system repairs for the Marine Corps Air Station at Cherry Point. The project included a control room, slab on grades, reinforced concrete roofs, masonry, structural steel with metal roofing, fuel supply system, instrumentation, hoisting equipment, 60HZ power, control/communication system, engine exhaust system with silencer, grounding grid for lightning, lightning protection for building, water, sanitary, sewer, sewer lift station, fuel tank storage, eyewash stations, primary & secondary electrical service, 2500KVA transformer, exterior lighting, air conditioning, demolition of existing structures, relocation of existing utilities, abandonment of utilities, site clearing, earthwork, concrete pavement, sanitary sewer collection system, sanitary sewer pumping station and water distribution. Special features included tight concrete tolerances to accommodate process equipment, concrete construction to withstand torque/vibration created by the process equipment, re-feed the existing plant with new primary and secondary power, instrumentation and controls system, plant-wide SCADA system including a network of PLCs connected via fiber optic cable, and extensive operational readiness tests. The project received two ratings of **outstanding** on performance ratings by the owner.



## Camp Lejeune, NC – Stone Bay Sewers and WWTP Modifications

This project involved the construction of two large wastewater pump stations, approximately three miles of force main, five river crossings and incidental related work. The pump station construction included deep excavation, dewatering, heavy concrete, masonry, process mechanical and electrical work.

The project required 12"-30" sewer force main and five horizontal directional bores under the surrounding waterways. The directional bore piping was made of HDPE and included sizes from 18"-30" in diameter and 500 to 5,000 linear feet at each crossing. The longest directional bore required the installation of 5,000 linear feet of welded steel casing pipe.

Temporary and permanent erosion control measures to prevent the pollution of air, water and land within and outside the project limits were accomplished in conjunction with the project. Crowder was a subcontractor on this project and self-performed 80% of the work.



## Roanoke, VA – Roanoke River Trail

This project for the U.S. Army Corps of Engineers – Wilmington District is the construction of a mile-long recreational nature trail and two pedestrian bridges. The project consists of: channel improvements; snag and debris removal; training walls; slope protection; utility, road and building relocations; and landscaping to reduce flood hazards, damages, and associated negative social and economic impacts.

### **Sunny Point Ocean Terminal – Southport, NC – Wharf Repairs and Dock Construction**

This project is the construction of a wave attenuation steel pile with steel sheet pile wall and incidental related work. Work includes installation of and repairs to a floating boat dock facility and incidental related work. The floating boat dock work is co-installation of new concrete piles, new concrete floating dock and appurtenances and the repair of existing floating boat components.

### **Naval Weapon Station– Charleston, SC – Deployment Staging Area and Expansion to Finger Pier**

The work includes overlayment of existing aggregate paving and staging areas with similar aggregate material. Bituminous asphalt roadway systems are also required. Control fencing and gate systems will be provided as well as a new guardhouse. Electrical service and high-mast lighting systems are to be installed with deep foundations (concrete piles). Due to the potential presence of unexploded ordinance (UXO), controlled excavation and installation of foundations is required, including government monitoring and incidental related work.



### **SCDOT 37.125B – Oconee County, SC, Chattooga River**

Crowder replaced an existing 360-foot US 76 bridge with a 400-foot continuous plate girder bridge. This included 21,000 sf of deck on two interior 28' tall x 48' wide pier walls founded on 3' thick footings on caissons. End bents were cast in place concrete supported on driven piling. The project also included 932' retaining walls on both ends of the project, a scenic overlook and parking area with steps of 70 risers and 8 landings to access existing parking area. The Chattooga River is a part of the *National Wild and Scenic Rivers System* and forms the boundary between SC and GA.

### **Georgia MATOC**

Crowder is part of a Multiple Award Task Order Contract (MATOC) for general construction projects issued by the US Army Corps of Engineers, Savannah District. The scope of the MATOC includes construction of various facilities, training areas, ranges, renovations, alterations, additions, roads, parking, drainage systems, utility systems and force protection.

### **Camp Lejeune MACC**

Crowder is part of a Multiple Award Construction Contract (MACC) for general construction projects in North Carolina, issued by OICC Marine Corps Installations East, Camp Lejeune, North Carolina. The scope of the MACC includes new construction, demolition, repair, alteration/renovations, civil, structural, mechanical, electrical, communication systems, training areas/ranges and roads.