

# Project: Digital Multipurpose Battle Area Course

**Location: Fort Polk, LA**

**Contract Number:**  
DACA63-03-C-0021

**Client:**  
US Army Corp of Engineers,  
Fort Worth District

**Contact:**  
Mr. Steven Sherrill (337) 531-2933

**Performance Dates:**  
September 2003 – May 2006

**Construction Value:**  
\$28.95M



## Detailed Project Description

### **Civil Construction:**

The project involved the construction of 2 qualification lanes and several tactical lanes.

Specifically, the scope included:

- ◆ Mass Timber Harvesting, Clearing and Grubbing
- ◆ Construction of a Sand-Filled Wall Shoot House
- ◆ Construction of 10 Moving Infantry Targets (MIT)
- ◆ 215 Stationary Infantry Targets (SIT)
- ◆ 50 Stationary Armored Targets (SAT)
- ◆ 11 Battle Positions (BP)
- ◆ 10 Machine Gun Bunkers
- ◆ Multiple Camera Towers
- ◆ Multiple Precast Concrete Structures
- ◆ Construction of Tank Trails (aggregate base) complete with Multiple Low Water Crossings
- ◆ An Extensive Environmentally Sensitive Septic System

Tug Hill Construction self-performed the majority of the civil portion of the project including:

- ◆ 1,500 Acres Clearing and Grubbing
- ◆ 5,000,000 CY Soil Excavation and Embankment
- ◆ 500,000 CY Rock Excavation
- ◆ Processing Surface Course Aggregates for Tank Trails
- ◆ Importing of all Aggregates by Rail
- ◆ Storm Pipe Installation

To deliver maximum value to the USACE, Tug Hill Construction used a highly disciplined approach to subcontractor management, CQC Systems Management, project scheduling and tracking of RFIs.

### **Architectural Construction:**

Buildings constructed as part of this contract included:

- ◆ ROC and AAR Buildings
- ◆ 2 Latrines
- ◆ Ammunition Breakdown Building
- ◆ 9 Tent pads
- ◆ Covered Mess

Architectural features included interior painting, roofing, carpentry, flooring, and interior and exterior finishes.

### **Mechanical Construction:**

The project included all mechanical support required for fully functional range buildings including HVAC ductwork, plumbing, heating, air conditioning, and ventilation systems.

### **Electrical Construction:**

- ◆ All underground power and data cables were installed from the support area to downrange target emplacements.
- ◆ All interior electrical work was performed under the Prime Contract including instrumentation, fully digitized control building equipment, uninterrupted power supply, outlets, communication system wiring and cabling, lighting and lighting protection.



**Overall Performance  
Evaluation Rating:**  
**OUTSTANDING**

