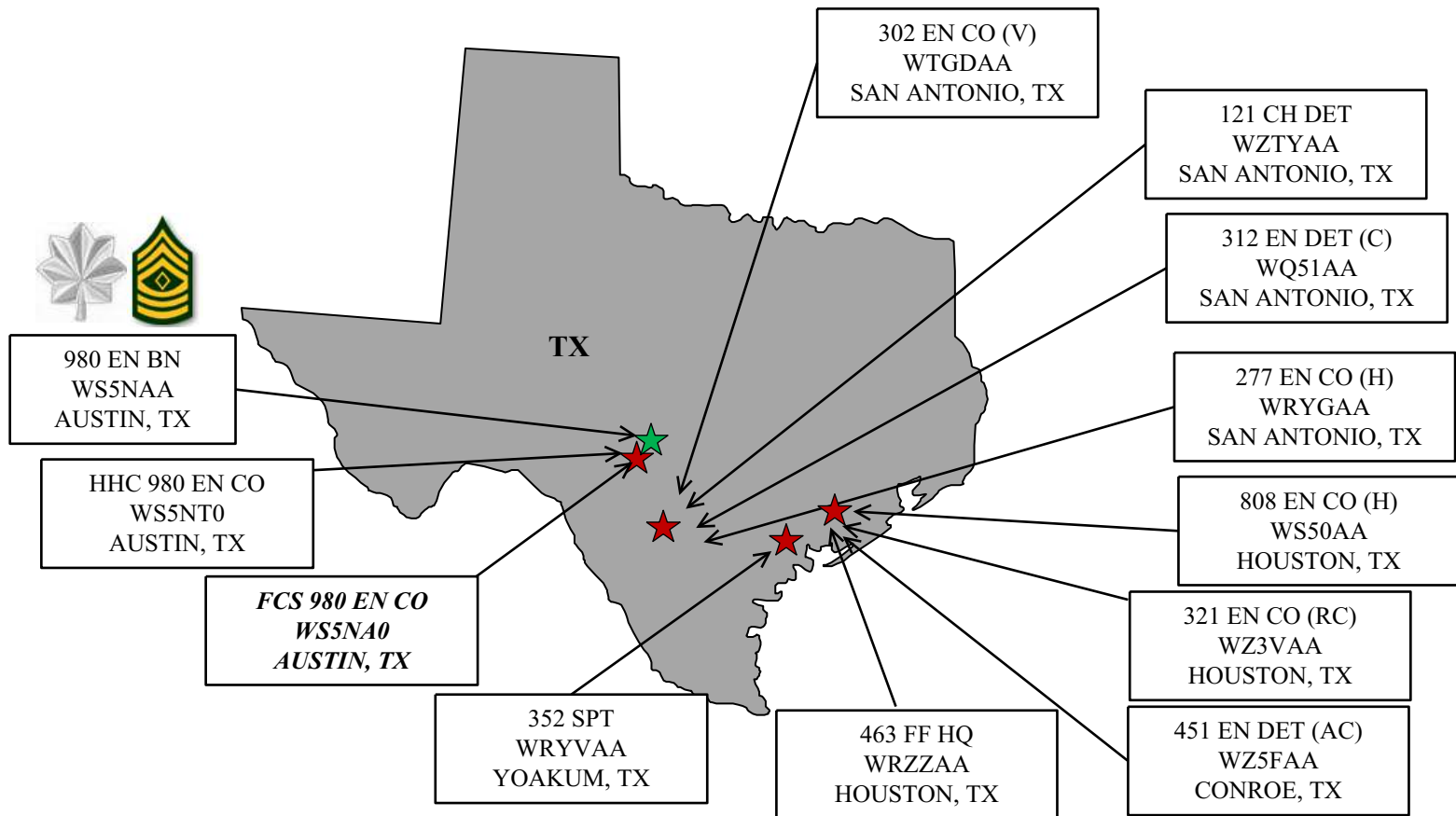




980th Engineer Battalion

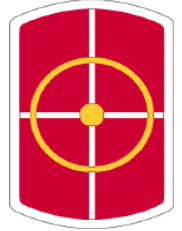


LTC Jeffrey Hartsell
CSM Thomas Champion





The Engineer Branch

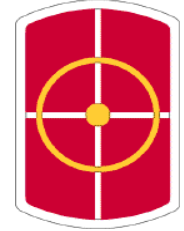


“The Engineer Regiment exists to provide the freedom of action for land power by mitigating the effects of terrain.” (FM 3-34 Intro)





Engineer Company

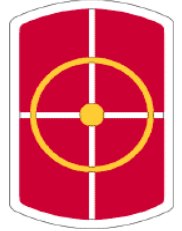


- General Engineer
 - Increased focus on the construction aspect of the engineering mission
 - Consist of horizontal, vertical, and other special purpose units
 - Armed and equipped to fight primarily in a defensive role





302nd Engineer Company

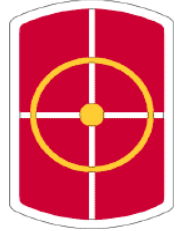


Unit History

- Established 24 March 1942 as Company D, 334th EN Combat BN
- Eventually reorganized in 1 APR 2007 and redesignated as 302nd EN CO
- Campaigns
 - GWOT
 - World War II



302nd Engineer Company

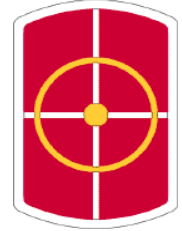


Mission

To command, control, and construct basecamps and internment facilities; and construct, repair, and maintain vertical infrastructures in support of support brigades or Engineer Brigades.



302nd Engineer Company

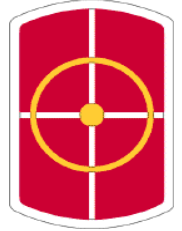


Mission Explained

- Provide Base Camp or facility enhancement
- Enable Force Projection and Logistics
- Build Partner capacity and Develop Infrastructure



302nd Engineer Company

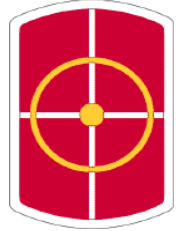


Mission Explained

- Improvement facility maintenance
- Improve infrastructure
- Provide utilities to a field environment
- Establish base-camp for friendly forces
- Provide service work for utilities



302nd Engineer Company



Mission in Context

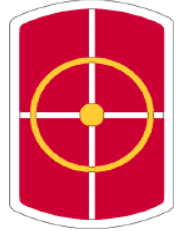
Provide Base Camp or facility enhancement

-Unit is able to establish a base camp as well as provide service support to maintain





302nd Engineer Company

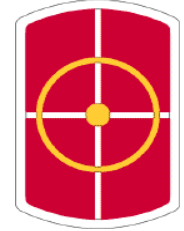


Capabilities-Man Power

- Structure
 - Company/Platoon/Squad/Teams
 - Line/maintenance platoons
- Manpower
 - Composition (officers/enlisted)
 - MOS's
 - 12W- Carpentry Masonry Specialist
 - 12R- Interior Electrician
 - 12K- Plumber
 - 12H- Construction Supervisor
 - 12X- General Engineer Supervisor
 - 12A Engineer Officer
 - 120A Utilities Warrant Officer



302nd Engineer Company



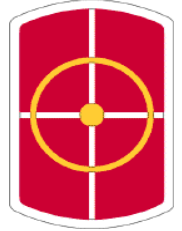
Capabilities-Equipment

- Others





277th Engineer Company

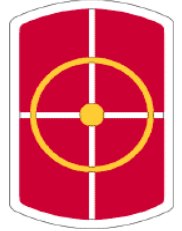


Unit History

- Established 3 APR 1944 as Company A, 1298th EN Combat BN
- Eventually reorganized in 1 APR 1954 and redesignated as 277th EN CO
- Campaigns
 - GWOT



277th Engineer Company

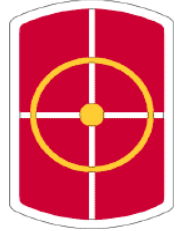


Mission

To provide command and control of assigned platoons and teams to unit that coordinates, directs, conduct repairs, maintain and/or construct roads and airfields; emplace culverts; haul construction materials; conducts clearing and grubbing; and provides force protection.



277th Engineer Company

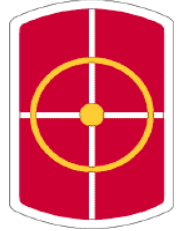


Mission Explained

- Permanent road/airfield construction/repair
- Expedient road/airfield construction/repair
- Earthwork preparation of construction sites
- Defensive Earthwork
- Obstacle Creation/Clearance



277th Engineer Company



Mission in Context

- Enhance Mobility
 - Mobility
 - Principal mission is the construction and maintenance of roads, airstrips
 - Heavy equipment suitable for breaching secured obstacles
 - Counter-mobility
 - Heavy equipment suitable for construction of obstacles





277th Engineer Company



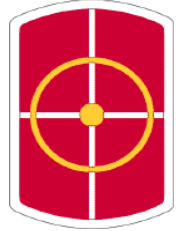
Mission in Context

- Enhance Protection
 - Equipped with heavy earthmoving equipment suitable for long term fortification
- Enable Force Projection and Logistics
 - Army's principal organic element for the maintenance of major supply routes





277th Engineer Company



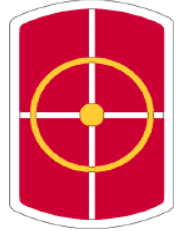
Mission in Context

- Build Partner Capacity and Develop Infrastructure
 - Train partner organizations in engineer tactics and techniques
 - Army's principal organic element for the maintenance and construction of roads and airfields





277th Engineer Company

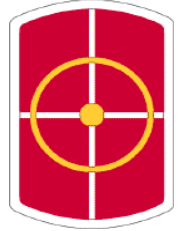


Capabilities-Man Power

- Structure
 - Company/Platoon/Squad/Teams
 - Line/maintenance platoons
- Manpower
 - Composition (officers/enlisted)
 - MOSs
 - 12N- Horizontal Construction Engineer
 - 12A- Engineer Officer
 - 12X- General Engineer Supervisor



277th Engineer Company



Capabilities-Equipment

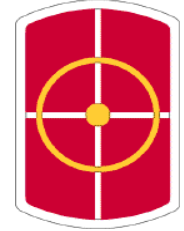
- 621B Scraper

The scraper is a large piece of equipment used in mining, construction, agriculture and other earthmoving applications. The scraper can transport its load to the fill area where the blade is raised, the back panel of the hopper, or the ejector, is hydraulically pushed forward and the load tumbles out. Then the empty scraper returns to the cut site and repeats the cycle





277th Engineer Company



Capabilities-Equipment

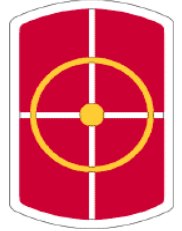
- D7-Bulldozer

The **Caterpillar D7** is a medium bulldozer manufactured by Caterpillar Inc. D7 is primarily used to move material short distances or through challenging terrain. This makes it ideal for working on very steep slopes, in forests, and for backfilling pipelines safely without risking damage to the pipe.





277th Engineer Company



Capabilities-Equipment

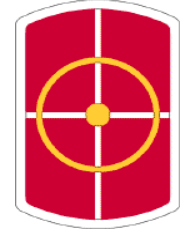
- 120M Grader

A **grader**, also commonly referred to as a **road grader**, a **blade**, a **maintainer**, or a **motor grader**, is a construction machine with a long blade used to create a flat surface during the grading process. Certain graders can operate multiple attachments, or be used for separate tasks like underground mining.





277th Engineer Company



Capabilities-Equipment

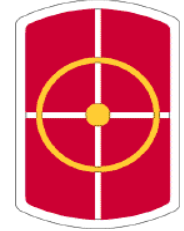
- M917 Dump Truck

A **dump truck** is a truck used for transporting loose material (such as sand, gravel, or dirt) for construction.





277th Engineer Company



Capabilities- Equipment

- JD230LCR Hydraulic Excavator

Excavators are heavy construction equipment consisting of a boom, stick, bucket and cab on a rotating platform known as the "house"





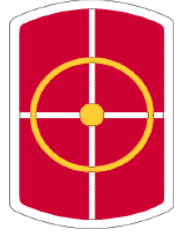
277th Engineer Company



Capabilities-Equipment

- Others





Questions