62nd FEST
(Forward Engineer Support Team)
FEST Overview Presentation
Terms used in brief

- USACE – United States Army Corps on Engineers

- FFE – Field Force Engineering

- USAREUR – United States Army Europe
USACE FFE Program was established to meet the technical engineering gap that exists within the US Army.

FFE provides agile, responsive technical engineering and contract construction support capabilities to Combatant Commanders and their Army components worldwide during contingencies, exercises and Domestic/International disaster response through the implementation of USACE Field Force Engineering doctrine.

Deployable Teams
- Forward Engineer Support Team – Advance (FEST-A)
- Contingency Real Estate Support Team (CREST)
- Environmental Support Team (EnvST)
- Logistics Support Team (LST)
62nd EN FEST Mission

MISSION: On order, the 62nd Engineer Detachment (Forward Engineer Support Team-Advance), provides responsive technical engineer support and limited design in order to support designated military forces, intergovernmental agencies, and/or world nations for Unified Land Operations.

What we do in English
- Provide senior Army and US Government leaders technical engineer expertise in remote locations.
- We are a small deployable team, able to move with limited resources.
- We provide technical engineer expertise that don’t exist on senior Army staff organization.
62nd EN FEST-A Capabilities

- Conduct Road Reconnaissance (DA 1248) using Automated Route Reconnaissance Kit (ARRK)
- Bridge Reconnaissance (DA Form 1249)
- Establish secure and non-secure communication using Tele-engineering Communications Equipment (TCE-D) and Broadband Global Area Network (BGAN)
- Perform Site Infrastructure Survey
- Conduct Environmental Baseline Surveys (EBS) and Impact Statements
- Create Base Camp Site Development Plan
  - a. Anti-Terrorism Force Protection (ATFP) – Access Control Point
  - b. JCMS / CADD layout
  - c. Project Scheduling using JCMS and MS Project (Gant Charts)
  - d. Land Use Plan
  - e. Host Nation Land Use Agreements and/ or Leases
- Provide 35% Design with statement of work, drawings, government cost estimate and construction material type.
From 23–27 August 2018, members of the 62nd FEST, SFC Shane Finney (NCOIC), Tom Gill (Civil Engineer), and Reid Yamada (Electrical Engineer) executed a site assessment in the training area of Yavoriv, Ukraine. 62nd assessed the electrical infrastructure and tank trails. (Left) Electrical engineer Reid Yamada assesses generators in the life support area. (Right) SFC Shane Finney assessed the tank trails.
From 12-14 September 2018, 62nd FEST-A assisted the US aviation units in Powidz Air Base, Poland. 62nd FEST-A structural engineer assessed five aircraft hangars. The intent of the assessment is to determine if the aircraft hangars can be used as office space. (Left) Kishan Patel is assessing the structural integrity of the storage and utility rooms connected to the hangars. (Right) Kishan Patel and SGT Wilson are checking the pre-cast pre-fab arch panels inside the hangar.
The 62nd (FEST-A) executed the assessment of 48 Earth Covered Magazines (ECM) and 7 Above Ground Magazines (AGM) located in Camp Darby, Italy ASA (Ammunition Supply Area). The magazines were assessed to determine if they are a feasible option for the 173rd Airborne Brigade to store all classes of ammunition. Tom Gill (Civil) conducting visual inspection of the ECM's head wall and wing wall. (top left) Reid Yamada (electrical) assessing the ECM's power supply (top center). Kishan Patel (structural) inspecting cracks in the floor of an ECM (bottom left). SFC Finney and Duwayne Bredvik (Physical security, G4) opening ECM's blast doors. Regular maintenance is highly recommended for proper blast door operation (bottom right).
**Forward Engineer Support Team-Advanced (FEST-A)**  
**Mission:** The 62nd Engineer Detachment (FEST-A) provides responsive technical engineering support and limited design capabilities to brigade and higher commands.

**Team Composition**
1. Engineer Major (O-4)
2. Vertical Construction Senior NCO (E-7)
3. Civil Engineer (GS-12)
4. Mechanical Engineer (GS-12)
5. Structural Engineer (GS-12)
6. Electrical Engineer (GS-12)
7. Environmental Engineer (GS-12)
8. GIS Cartographer (GS-12)

**Unique Capabilities**
- Reach-back to USACE Headquarters
- Bridge Assessments
- Ground and Air Reconnaissance
- Structural Assessments (routine or in Disaster Response)
- Environmental Baseline Surveys
- CADD Design (Computer Aided Drafting and Design)

**Typical Missions**
- Site and Facility Assessments
- Renovations
- New Construction
- Base camp master planning and design
- Route reconnaissance
- Geospatial Products: Map Overlays, Imagery
- JFUB/Contracting Packet prep: 35%+ Design; SOW; Cost Est.

**Specialized Equipment:**
- Automated Route Reconnaissance Kit (ARRK)
- Infrastructure Reconnaissance Information System (IRIS)
- Tele-Engineering Communications Equipment-Deployable (TCE-D)
- Broadband Global Area Network (BGAN) 700
- Software package includes: Joint Theater Construction Management System (JCMS), AutoCAD, and ArcGIS
QUESTIONS?

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