

# ***U.S. Air Force***

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**Expeditionary Combat Support-  
Training and Certification Center  
(ECS-TCC)  
Civil Engineer**

**CMS Bobby G. Moore  
AFRC/CEXT  
25 Apr 2002**

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# Agenda



- Purpose
- Courses
- History
- TCC Project Plan
- TCC Facilities
- Current Status
- Base Support Requirements
- Future Opportunities



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# Purpose



- Provide individual hands-on training for core task CFETP items on equipment/procedures not available at home station for 3-, 5-, and 7-levels
- Just-in-Time Training for AEF/OEF
- Task Re-certification and Refresher Training
- Upgrade Training



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# Courses



- **Electrical – 3E0X1**
- **Power Production – 3E0X2**
- **HVAC/R – 3E1X1**
- **Structures – 3E3X1**
- **Utilities – 3E4X1**
- **Readiness – 3E9X1**
- **Engineering Assistant (Future)-3E5X1**
- **Operations (Future)-3E6X1**



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# *Electrical*



- **MEP Generator Operations**
- **Primary & Secondary Distribution Centers**
- **Power Distribution Panel**
- **Emergency Airfield Lighting System**
- **Remote Area Lighting System (RALS)**
- **Telescopic Floodlight Set**
- **Mobile Aircraft Arresting System (MAAS)**
- **Cable Splicing & High Voltage Termination**
- **Tent Lighting**



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# *Power Production*



- **Mission Essential Power Generator Operations**
- **Primary & Secondary Distribution Center**
- **Power Distribution Panel**
- **Emergency Airfield Lighting System**
- **Paralleling Operations**
- **Telescopic Floodlight Set**
- **Mobile Aircraft Arresting System (MAAS)**



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# HVAC/R



- **Environmental Control Units (ECU)**
  - **39 ECU**
  - **2 Field Deployable ECU**
- **M80 Boiler & Portable Shower Unit**
- **150 cu ft Refer Box & Mechanical Unit**
- **Tent Heaters**
- **Lightweight Decon Unit**
- **Immersion Heater**



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# Structures



- **Airfield Paint Striping**
- **Revetment Assembly**
  - **B-1**
  - **Review Armco**
  - **Hesco Bastion**
- **Shelter Assembly**
  - **Temper Tents**
  - **Expandable Shelter**
- **Perform Hard-Surfacing Welding & Cutting**



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# Utilities



- **Reverse Osmosis Water Purification Unit (ROWPU)**
- **Field Shower Assembly**
  - **Shave Unit Harvest Falcon/Eagle**
  - **Latrine Field Deployable**
  - **Field Shower**
- **M-80 Boiler**
- **Piping for Fuels (POL RUK)**
- **Water Distribution Systems**



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# Readiness



- **Nuclear/Biological/Chemical Training**
  - **Plotting**
  - **Decon**
- **Toxin, Biological Warfare Defense**
- **Global Positioning System**



# ***Engineering Assistant (Future)***



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- **Bare Base Layout**
- **Minimum Operating Strip Marking**
- **GEOReach**
- **GPS**
- **Total Station**



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# *Operations (Future)*



- **Command & Control**
- **ACES/IWIMS**
- **Production Control**
- **Cover Train**



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# *The Beginning*



- **Specialty Training Center (STL) – 1996**
  - Tyndall - Silver Flag
- **Relocated STL - 1997**
  - Sheppard
  - Gulfport
  - Tyndall



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# Consolidation



- Looked at 10 locations for new “Consolidated TCC”
- Selected Dobbins ARB, GA
  - Five Family Housing Units
- Project initiated in Oct 2001 after approval received from AFRC/CC



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# *TCC Project Plan*

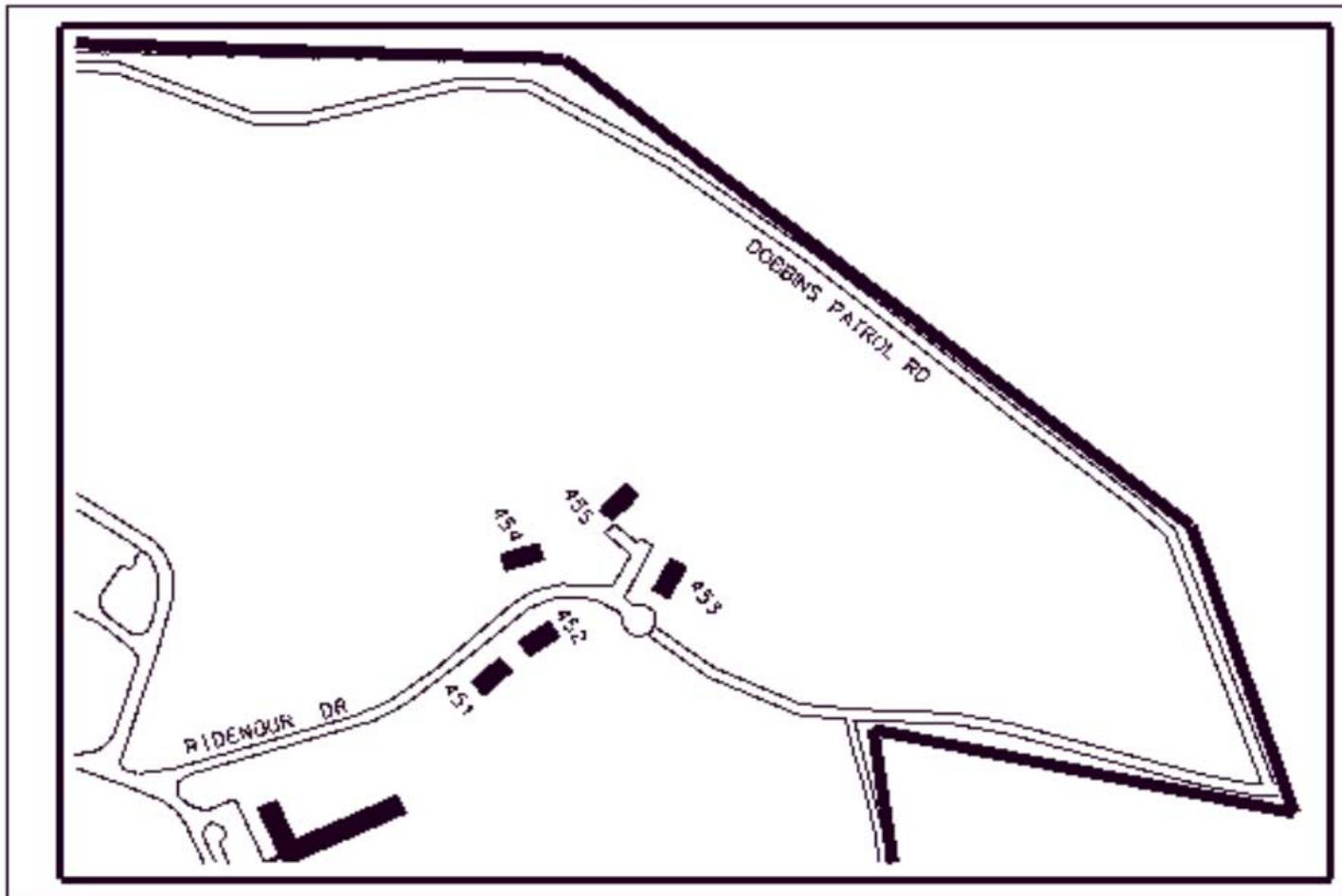


- **Renovation of 5 Housing Units**
  - **1 Administration Building - Completed**
  - **4 Classroom Buildings – 75% Complete**
- **Transfer of Equipment from STL locations to Dobbins - Completed**
- **Setting up a Practical Training Area – 75% Complete**
- **Adapting Existing Course Plans to New Location**
- **Staffing of Instructors – 40% Complete**
- **Procurement of Vehicles & Equipment**



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# TCC Main Training Site





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# Admin. Building Renovation



## ■ One of Five Abandon Base Housing Units





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# Conference Room



**ECS-TCC hosted the AFRC/CEX Budget Working Group Meeting.**





# Classroom Bldg. Renovation



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**Construction by Traditional Reservists:**

**Various Volunteers/Various Units**

**Heavily Supported by:**

**439 CES – Westover ARB, MA**

**94 CES – Dobbins ARB, GA**

**911 CES – Pittsburgh ARS, PA**





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# Readiness Classroom Renovation





# *Practical Training Site 1 & 1A*



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# Practical Training Site 2





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# *Practical Training Area*



- **Needed Minimum 1200' Maximum of 2000' of Dead Runway for:**
  - **Airfield Paint Striping**
  - **Emergency Airfield Lighting**
  - **MAAS**
- **Needed Space for Training Area & Equipment**
  - **Old Prime Ribs Training Site**



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# *ECS TCC Facilities*



- **Campus / Administration Area – Old Base Housing**
  - **Classrooms - Readiness**
  - **Administration**
- **Practical Training Site 1 – Old Prime Beef Area**
  - **Structures, Electrical, HVAC/R**
- **Practical Training Site 1A – Little Lake Area**
  - **Utilities**
- **Practical Training Site 2 – Dead Runway**
  - **Power Pro, Electrical, Structures, EA**



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# *Current Status*



- **Continued Renovation On Classrooms & Landscaping**
- **Staffing**
  - **Instructors (Full & Part Time)**
  - **Administrative**
  - **Supply**
- **Course Curriculum**
- **Vehicle Issues**
- **Equipment Issues**
- **Furniture/Window Treatments/Floor Mats/Rugs**



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# *Base Support Requirements*



- **Space Allocation for Training Sites**
- **Support for Practical Training Sites 1, 1A & 2**
  - **Communications**
  - **Fire Protection/Notification**
  - **Power**
  - **Sanitation**
  - **Water**
- **Hard Surface for Parking on Practical Training Site 1 & 1 A**
- **Hard Surface for Storage of Equipment on Practical Training Site 2 (Dead Runway)**



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# *Future Opportunities*



- **2-6 Months**
  - **Open House/Ribbon Cutting Ceremonies**
- **6 Months – 2 Years**
  - **MOA**
  - **Relocation of Practical Training Areas 1 & 1A**
- **2 – 5 Years**
  - **1391 for New AFRC Training Group Facility**
    - **Civil Engineers**
    - **Services**
    - **Others? (Support Functionals)**



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# Questions?



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