90th Civil Engineer Squadron

SAME

90 CES Project Update

Lt Col Brian Low
Commander
90 CES Portfolio

- 90th CES Mission: Provide professional Civil Engineer capability for the F.E. Warren mission in peace & war
  - Facilities (structures): 699
  - Buildings: 326
  - Total Floor Space (sq ft): 5.4M
  - Plant Replacement Value: $2.6B
  - Total Base Size (acres): 5,863
  - LFs: 150
  - MAFs: 15
### Manpower & Deployments

<table>
<thead>
<tr>
<th></th>
<th>Authorized</th>
<th>Assigned</th>
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</thead>
<tbody>
<tr>
<td>Military</td>
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</tr>
<tr>
<td>Officer</td>
<td>9</td>
<td>10</td>
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<tr>
<td>Enlisted</td>
<td>197</td>
<td>211</td>
</tr>
<tr>
<td>Civilians</td>
<td>142</td>
<td>163</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>348</strong></td>
<td><strong>377</strong></td>
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<tr>
<td>CMEs</td>
<td></td>
<td>14</td>
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<tr>
<td>IMAs</td>
<td>11</td>
<td>8</td>
</tr>
</tbody>
</table>

37 Engineers deployed to Africa and Middle East
Challenges:
Prime BEEF construction
SHPO considerations
Federal energy minimums
Hazardous material
Meeting current construction codes
Challenges:
AT/FP protection
SHPO considerations
Federal energy minimums
Functionality during construction
Challenges:
AT/FP protection
SHPO considerations
Federal energy minimums
Contract cost: $5.6M
FSRM: Dorms 222-224, 226
Structural Failure Issues
Dorms Structural Failures
Challenges:
Limited construction season
Clay tile is costly maintenance
Tile is no longer available
Asbestos mastic was used for maintenance
Current contract cost for 3 buildings: $1.3M
Challenges:
Aging infrastructure
Failed systems
Contract cost: $1.49M
Challenges:
Security during construction
New technology implementation
Contract cost: $159M
Challenges:
Controlled access during an active mission
AT/FP protection
Federal energy minimum requirements
GBSD minimum requirements
Contract cost: $5.1M
Future MILCON – TRF/Helo Operations

Estimated contract award: FY21-23
Scheduled BOD for new facility: FY23-25

Challenges: Design changes for new air frame
FY20 Consolidated Task Order (CTO)

- Renovate Wing Command Post 90 MW Bldg 250
- Reconfigure Gate Entry Control Points (ECPs) 1/5
- Repair Base Natural Gas Distribution System
- Repair LF Contours O-Flight
- Demolish 90 SFG Garage Facility Bldg 155
Questions?