SAME Industry Day Presentation
90 CES Project Update

Lt Col Brian Low
Commander
90 CES Portfolio

- 90th CES Mission: Provide professional Civil Engineer capability for F.E. Warren mission in peace & war

- Facilities (structures): 699
- Buildings: 326
- Total Floor Space (sq ft): 5.4M
- Plant Replacement Value: $2.8B
- Total Base Size (acres): 5,863
- LF: 150
- MAFs: 15
## Manpower

<table>
<thead>
<tr>
<th></th>
<th>Authorized</th>
<th>Assigned</th>
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<tr>
<td>Military</td>
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<tr>
<td>Officer</td>
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<td>Enlisted</td>
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<td>Civilians</td>
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<td>Total</td>
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<td>CMEs</td>
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<tr>
<td>IMAs</td>
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Historic Background

Fort D.A. Russell Brick Stables

The Base's Oldest Structure, Built in 1885

Architectural Detail from Historic Structure

Adapted-Use Historic Building

Historic Georgian Architecture

Historic Classical Features
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
Sustainment: Clay Tile Roofs

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
Sustainment: Missile Field Electric Distribution

Challenges:
Aging Infrastructure
Failed systems
Contract Cost: $1.49M
Challenges:
Security During Construction
New Technology implementation
Contract Cost: $159M

MILCON: Weapon Generation Facility
MILCON: Missile Transfer Facility

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
Questions?