Industry Day

June 5, 2019

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Matthew Emigholz – EN
Matthew Lubiak – CT
Dana Friedman – OC
Introduction

Cyber & Engineering Academic Center (CEAC)
Academic Building Upgrade Program (ABUP)
Cemetery Expansion
Golf Course Clubhouse
West Point Military Complex (WPMC)
Camp Revitalization
Cadet Barracks Upgrade Program (CBUP)
Enlisted Barracks Renovation
Infrastructure Revitalization
USMA 2035 Master Plan as of 10 May 2019

### Enabling Efforts

<table>
<thead>
<tr>
<th>LOO Ø</th>
<th>Utilities</th>
<th>Force Protection</th>
<th>Community</th>
<th>Info Tech</th>
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<tr>
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<td>Bridging Strategy</td>
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### Academic Year

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### Barracks Infrastructure

- Eisenhower
- Cadet Barracks Upgrade Program (CBUP)
- Grant
- Bradley
- Lee
- Sherman
- Lee Hall
- USMA 2035 Master Plan as of 10 May 2019

### Academic Infrastructure

- CEAC / Parking Structure
- Eisenhower
- Site work
- Patton
- M&D
- Lincoln
- Bartlett
- Thayer
- FY26 MILCON Submission
- Thayer Addition (MILCON)
- Mahan
- Washington
- Thayer Gate
- ACP
- Thayer Addition (MILCON)
- Cadet Mess

### Military Complex Infrastructure

- ASP
- FY26 MILCON Submission
- FY28 MILCON Submission
- Camps NB/B BRIDGE PLAN
- Range Complex Upgrade / Development
- MCTC
- ORTC
- ORTC 1a
- Bulk 1c
- ORTC 1b
- ORTC 1d
- FY27 MILCON Submission
- FY29 MILCON Submission
- MCTC
- FY26 MILCON Submission
- MSF
- FY28 MILCON Submission
- MSF 1d
- FY29 MILCON Submission

### Physical Development Infrastructure

- 4.1 Physical Development
- Anderson Ath Center
- East Stands

- 4.2 Intercollegiate Athletics
- MCFT Facility
- BSC Complex

### Current Planning Estimates

- USMA 2035 – The Plan:
West Point – Project Map

**# MILCON Project Name**
- C1 Cemetery Expansion
- C2 CEAC
- C3 Parking Structure
- C4 Golf Course Clubhouse
- C5 Patton Complex

**# SRM Project Name**
- D1 Bldg. 620 Renovation
- D2 South Dock Repair
- D3 Bradley Barracks
- D4 Lee Barracks
- D5 North Dock Repair
- D6 West Point Military Complex
- D7 Stewart Hangar 108/109 HVAC
- D8 Bldg. 603 Roof & AHU’s
- D9 Bartlett Hall Roof Repairs
- D10 Lusk Raw Water Intake
- D11 Sherman Barracks
- D12 Cullum, Lincoln, Building 606
- D13 Camp Revitalization
- D14 Lower Cragston
- D15 Delafield Dam Decommission
Pending Advertisement for Construction this Year

- Golf Course Clubhouse
- Cemetery Expansion
- Bradley Barracks
- CEAC and Parking Structure
GOLF COURSE CLUBHOUSE

PROJECT INFORMATION

Description / Scope: Construct a 14,000SF Golf Course Clubhouse, consisting of main floor & basement, and supporting facilities

Designers: Jacobs and Ewing Cole J/V

Acquisition Strategy:
• Small Business Set-aside, Lowest Price Technically Acceptable (LPTA)

Anticipated Advertisement:
• 7 June 2019

Anticipate Award:
• 15 September 2019

Contract Range:
• $10 - $25M
CEMETERY EXPANSION

PROJECT INFORMATION

Description / Scope: Expand the existing cemetery, including installation of in-ground pre-placed crypts and niche wall to support 4000+ more internments; incorporate a restroom within an expanded maintenance building. Facilities include waterlines, sanitary sewer, storm drainage, telecomm, electrical power distribution, lighting, security systems, retaining walls, perimeter fencing, entrance gates, vehicle & pedestrian access roads, walks, curbs, gutters, & signage. Provide special foundations to address the varying soil conditions on the site. Facilities designed to a minimum life of 40 years including energy efficiencies, building envelope & integrated building systems performance. ADA access will be provided.

Designers: HNTB

Acquisition Strategy:
• Small Business Set-aside, Invitation for Bid (IFB)

Anticipated Advertisement:
• 11 July 2019

Anticipate Award:
• 27 August 2019

Contract Range:
• $10 - $25M
BRADLEY BARRACKS

PROJECT INFORMATION

Description / Scope: The scope of work includes the renovation of the entire Bradley Barracks, Building 756. The building currently houses 986 Cadets in 435 rooms across 305,221 SF. The facility will accommodate 824 Cadets in 417 rooms after the repairs are complete.

Designer: Jacobs/Ewing Cole Joint Venture

Acquisition Strategy:
• Unrestricted, Invitation for Bid (IFB)

Anticipated Advertisement:
• 5 July 2019

Anticipate Award:
• 30 September 2019

Contract Range:
• $100 - $250M
PROJECT INFORMATION

• **Description / Scope:** 136,000 SF state of the art facility supporting Academy’s science, technology, engineering and math mission, includes laboratories & support space, project fabrication spaces, high bay area with overhead lift, work spaces, conference rooms, spray booths, loading dock, site work, electrical, water, sewer, gas, fire protection, LEED, IDS, HVAC, EMCS, parking, paving, curbs, gutters, storm drainage, landscape, signs, info systems. A 2 floor 450 space parking structure is located beneath the building.

• **Designers:** Jacobs and Ewing Cole J/V

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**Acquisition Strategy:**

• Unrestricted, Best Value Tradeoff (BVTO)

**Anticipated Advertisement:**

• 4 August 2019

**Anticipate Award:**

• January 2020

**Contract Range:**

• $100 - $250M
Upcoming Advertisement for Design and Construction

- (CBUP) Lee and Sherman
- (ABUP) Cullum, Lincoln, Building 606
- Infrastructure Revitalization
Description/Scope: ABUP is a Restoration and Modernization program to renovate/modernize six academic facilities at the United States Military Academy that are beyond their 50 year useful life, four of which date back to 1855-1922. The Program will synchronize other ongoing renovation and construction efforts such as CBUP and CEAC/Parking structure to maximize efficiencies and reduce risk to all engineering and construction in the Corps Central Area.

<table>
<thead>
<tr>
<th>Project:</th>
<th>Cost Range:</th>
<th>Award Year</th>
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<td>Cullum</td>
<td>$25 - $100M</td>
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<td>Patton Modular</td>
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Future Design and Construction Projects

- Enlisted Barracks Renovation Buildings 620 and 624
- West Point Club Renovation, Building 603
- Delafield Dam Decommissioning Project
- West Point Military Complex (WPMC)
- Camp Revitalization
- Space Domain Center
West Point Military Complex
Phase 1

Long-Term Plan:

Phase 1 planning underway; three sub-phases identified for MILCON strategy

Phase 1A – FY26
• ORTC Barracks #1
• ORTC DFAC
• Water Treatment Plant
• Utilities upgrades*

Phase 1B – FY27
• ORTC Barracks #2
• ORTC Battalion HQ
• ORTC Fitness Facility
• Sustainment Wash Rack
• Waste Water TP

Phase 1C – FY28
• ORTC Company HQ
• Buck. MCTC
• Buck. DFAC/MPF
• Buck. EPF

Phase 1D – FY29
• ORTC Barracks #3
• Buck. Msn Spt Facility
• Buck. Facility Support

Contract Range, Each Phase:
• $25 - $100M
25% barracks renovated each year for a total of 4 years, including related utility and site work.

AE to perform overall site assessment of which barracks should be done first.

DPW is providing preliminary phasing based on age of the barracks, with oldest going first in FY21.

25% support & utility buildings renovated each year for a total of 4 years, such as:

- White House Bldg #1548
- Red House Bldg #1564
- First Aid Bldg #1590
- Barber Shop Bldg #1558
- Okinawa Bldg #1585
- Water Treatment Bldgs #1724 & 1719

Contract Range
- $25 - $100M