CMAA NorCal Programs
Webinar Presents:

Federal Government Capital Improvement Programs

June 24th, 2021
UPCOMING CMAA NORCAL EVENTS

Tues, Jun 29th, 11:30 AM – 1:00 PM
Owners Management of Risk: Joint Industry Webinar: CMAA - DBIA – AGC

Wed Jun 30th, 4:00 – 5:00 PM
CODE Webinar - Managing Insurance Risks For Small Business Enterprises

Wed Jul 21st, 11:30 – 1:00 PM
WEBINAR: Progressive Design Build

Thurs Aug 26th, 11:30am – 1:00pm
Healthcare Capital Improvement Programs (original date April 29th)

Thurs Oct 7th, 5:00pm – 9:00pm
AWARDS GALA & INDUSTRY CELEBRATION – Kimpton Hotel Sacramento CA

Nov 05, 10:00 AM – 4:30 PM
CMAA Virtual Rising CM Conference | Students, Young Professionals
Traci Jenkins, MBA, CPSM
3QC
Marketing Manager
CMAA Northern California Chapter – Programs Chair Sacramento
Skanska USA

- Consistently ranked top 10 contractors globally/nationally
- Three business streams: USA Building, USA Civil, Commercial Development, and SIS Program Management
- Skanska Values: Care for Life, Be Better Together, Act Ethically and Transparently, Commit to Customers

Building What Matters

$7.6B revenue
29 US offices
7,600 U.S. employees
35+K employees worldwide
Top green contractors
Maggie Reed
Gilbane Company
Operations Manager – Federal Division
MODERATOR
Stewart Fearon, PMP
Chief, Facility Engineering Division
NASA Ames Research Center
Paul Pollesch P.E.
Associate Director, Design & Construction Services
SLAC National Accelerator Laboratory
Sheila N-Rad, MS, CFM
Regional Director - Western Region
Office of Design and Construction
VA | U.S. Department of Veterans Affairs
Back to the Moon and on to Mars
Starts at Home!

Stewart R. Fearon, PMP
Chief, Facilities Engineering and
Real Property Management Division
Agenda

• Purpose
• Mission
• Organization
• Contractors
  • AECOM
  • JACOBS
  • FLMSS
  • MACC
• Future Projects
• SBA
• Questions
Purpose

Provide an overview of the Facilities Engineering and Real Property Management Division (JC) mission, functions, and structure at Ames Research Center.
Administer the Ames Research Center’s facilities and real property consisting of 1,919 acres, 5.1 million square feet of facilities, worth over $5.6 billion. Provide facility engineering (engineering analysis, design, and construction), center maintenance, grounds care, energy conservation, minor construction, facility planning, facility utilization, real property management, and support to over 2,500 personnel. Directly supports the historic preservation and development of Moffett Field, special events, emergency services, environmental programs and the Ames Disaster Assistance Recovery Team.
Code JC
Organization
AECOM

- Provide Architectural & Engineering Support Services
- IDIQ Contract, Firm Fixed Price ($93M capacity)
- Preliminary and final A/E design
- Master and Long-Range Planning
- Environmental Engineering & Impact Statements
- Project Management
- Construction Admin and Support Services
- Permits and Inspections
- 40 personnel on site but global reach
- GIS services
- Document Control/Archive/Storage
JACOBS

- Ames Facilities Support Services (AFSS)
  - Firm Fixed Price
  - 3-year Base/7 1-year Options
  - Indefinite Delivery Indefinite Quantity (IDIQ) Tasks
- Preventive Maintenance (PM)
- Programmed Maintenance (PGM)
- Predictive Maintenance (PdM)
- Reactive Maintenance – Trouble Calls (TC)
- Environmental and Emergency Support Services (Cost + Fixed Fee)
- Request for Task Order (RTO) and Contract Task Order (CTO)
• Fully Integrated Lifecycle Mission Support Services.
  – Admin Support
  – Real Property Support
  – Facility Utilization Support
  – Center Artifact Management
  – Archival Support to Historic Preservation
Multiple Award Construction Contract (MACC)

• West Coast Region $500 million Multiple Award Construction Contract (MACC)
• Projects initiated off Task orders, Armstrong Center is Procurement Office
• 13 Pre-Approved Construction Contractors
MACC Contractors

- Optimum Operations in Greenbelt, Md.
- Anna Lisa Luna Construction, Inc., of Ojai, Calif.
- Sea Pac Engineering, Inc., in Los Angeles
- Southwest Dakotah, Inc., in Tuscon, Ariz.
- Cutting Edge Concrete Services, Inc., in Oro Grande, Calif.
- Fed Con - VC Joint Venture in Ojai, Calif.
- CJW Joint Venture in Santa Ana, Calif.
- Insight Pacific, LLC, of Brea, Calif.
- Patriot Construction, Inc., in Stockton, Calif.
- Heffler Contracting Group in El Cajon, Calif.
- Ironwood Commercial Builders, Inc., in Pleasant Hill, Calif.
Engineering & Mission Operations (EMO) Facility

- $50M in FY23 – GSA Lead Construction Agency Design Build
- Cornerstone of the Ames Campus of the Future Master Plan
- Improve Mission-Suitability of Facilities
- Develop a Desirable Campus – Attract, equip and retain the STEM workforce of the future for NASA of the Future
- Increase Campus Affordability and Sustainability – Reduce overall Campus footprint through cost-effective consolidation
- Improve a Healthy and Safe Environment – Reduce workforce risks associated with the health and welfare of workplace environment
FMCS/BAS

• Facility Management Control System/Building Automation System
• Project consists of replacing the entire supervisory control and data acquisition platform and the construction of a dedicated center-wide fiber optic network.
• Project directly addresses compliance issues with the Standards for Industrial Control System NASA IT Regulations from Office of the Director of Information Technology, and the findings of 2019 and 2020 IT Security audits.
SBA - Small Business Administration

- FAR – Federal Acquisition Regulation
- NASA prepares an annual forecast and a semiannual update of expected contract opportunities, or classes of contract opportunities, for each fiscal year. The forecast consolidates anticipated procurements (in excess of the simplified acquisition threshold) at each NASA Center with the aim of increasing industries' advance knowledge of NASA requirements and to enhance competition.

http://www.hq.nasa.gov/office/procurement/forecast/

- The procurements described in this forecast are expected to be solicited in this fiscal year and beyond, based on the best information available at the time of publication.

- You will find these notices at beta.sam.gov under Contract Opportunities.

- Christine L. Munroe is the NASA Ames Research Center (ARC) Small Business Specialist. You can send her an email at email: ARC-SmallBusiness@mail.nasa.gov.
We are part of the NASA team and the mission - Back to the Moon and on to Mars!
Questions?
SLAC Design & Construction

Capital Projects Brief for CMAA Luncheon

Paul Pollesch, P.E.
Associate Director, Design & Construction Services
24 June 2021

BOLD PEOPLE. VISIONARY SCIENCE. REAL IMPACT.
Agenda

1. SLAC Overview
2. SLAC Capital Project Program
3. SLAC Project Delivery
   • Project Delivery Methods
   • Partnering with SLAC
   • Best Practices
4. Contact Info & Business Opportunities
SLAC sits on 426 acres in the heart of Silicon Valley
SLAC is a vibrant multi-program laboratory located in Silicon Valley and operated by Stanford University.

Our Mission

We explore how the universe works at the **biggest**, **smallest** and **fastest scales** and invent powerful tools used by scientists around the globe. Our research helps **solve real-world problems and advances the interests of the nation**.

Our People

- 1,602 FTEs
- 22 Joint Faculty
- 22 Visiting Scientists
- 2,931 Facility Users
- 145 Postdocs
- 207 Grad Students
- 120 Undergrads

Interested in learning more? Take a [virtual tour of SLAC](#).
Strategic initiative 1: Be the world leader in X-ray and ultrafast science

1. Unpeeling atoms and molecules from the inside out
2. Recording molecular movies of chemistry in action
3. Watching molecules “breathe”
4. Catching the birth of chemical bonds
5. Cracking the mysteries of photosynthesis
6. Mapping drug targets in motion
7. Uncovering the mechanics of biological machines
8. Chasing room-temperature superconductivity
9. Harnessing magnetism and electron behavior
10. Probing materials in extreme environments

10 ways SLAC’s X-ray laser has transformed science
Campus Strategy: SLAC’s Facilities & Infrastructure

THEN 1966

Location
426 Acres
3 miles from Stanford University
Centrally located in Silicon Valley

Impact
6 Core Capabilities
6 User Facilities
5 Institutes & Centers

Assets
358 Assets totaling 2.4M gross square feet
Average age: 39
Infrastructure backbone is 50+ years old

NOW
SWCC Campus Experience

**Site Security & Access Improvements**
- Potential FY22/23 project

**Campus Building Renovation Project (CBRP)**
- Timeline TBD.

**Critical Utility Infrastructure Revitalization (CUIR)**
- DB, DBB, MACC (Construction 2024-2026)
  - Across Entire Site: Electrical distribution, utility corridors, main substation upgrades, underground utilities, cooling water systems

**Cryomodule Facility (CRMF)**
- DBB. Construction RFP ~2023

**LCLS-II-HE**
- Accelerator infrastructure upgrades, Experimental Facility upgrades
  - DBB. Construction RFPs in ~2024

**RF Accelerator Facility**
- Potential FY22/23 project

**2nd MeV UED User Facility**
- Potential FY22/23 project

**Cooling Tower Upgrade**
- Phase 1 - In progress
- Phase 2 - DB RFP in FY23

**SRCF-II (Stanford)**
- In progress

**DMF (Stanford)**
- In progress

**ASC 3rd Floor Fit-out Lab/R&D**
- Timeline TBD

**Large Scale Collaboration Center (LSCC)**
- New construction, ~39,000 GSF
  - DB. 2-part RFQ/RFP ~Sep/Nov ‘21

**MEC Upgrade**
- A. Sitework/Utilities (DBB RFP 2022)
  - B. Tunnel/Cavern/Construction
  - DB. 2-part RFQ/RFP ~Feb ‘22

**Low Emittance Injector Tunnel**
- DBB. Construction RFP ~Jan ‘24

**Cooling Tower Upgrade**
- Phase 1 - In progress
- Phase 2 - DB RFP in FY23

**SRCF-II (Stanford)**
- In progress

**Annual investments ($10M-$20M)**
- Multiple delivery methods
  - MEP, infrastructure, lab spaces, Cx

**Research Zone**
- Annual investments ($10M-$20M)
  - Multiple delivery methods

**5-10% of capital investment**
- Engineering/Design/Construction

**Science**
- Collaborative Research
- Critical Pathway
- Project Management
• **Typical Project Delivery Methods**
  - In the past: DBB, CM/GC
  - Current and future: DB, DBB, CM/GC
  - Not ready for: IPD, progressive DB

• **Acquisition Strategies**
  - 8(a)/SBA, ID/IQ and JOC contracts
  - LPTA or Best-Value Selection
  - FFP or FFP with incentives
  - Single-trade projects may be competed to trade
  - Multi-trade projects typically competed to GCs
  - MACC
SLAC Goals for Project Partners

• Major projects:
  • Federal contracting, funding
  • DOE Order 413.3B

• Partnering
  • New partnerships, growth
  • Long-term relationships

• Proper Planning and Execution
  • Safety
  • Quality
  • Schedule
  • Cost and Change Management
SLAC Project Best Practices

- Partnering / Collaborative Relationships
- Safety
  - Detailed planning and coordination
  - Work Planning and Control – daily release of construction activities
  - Recent adoption of Cal/OSHA
- Quality
  - Meet/exceed technical specifications
  - Change control management
- Coordination & Schedule Performance:
  - Minimize impact to science operations
  - Successful use Last Planner® System (LPS®)
    - SLAC has numerous processes that require owner involvement
    - May use a hybrid CPM-LPS approach on future projects
SLAC Opportunities

Design & Construction (seeking great partners!)
Science facilities, cleanrooms, lab fit-out, building renovations
Site-wide utilities, civil & environmental, shielding, tunnels
MEP systems, process cooling water, electrical distribution
Engineering Studies, Commissioning
Small Business

Strategic Partnerships
Staff Augmentation, Program Management, Site-wide Coordination

SLAC is Hiring!  https://careers.slac.stanford.edu/
PMs, CMs, Engrs, Project Controls, QA, Scheduler/Estimator, and more

Interested? Let’s discuss opportunities.
https://suppliers.slac.stanford.edu/construction

SLAC Contacts:
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Construction Procurement Lead
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Ramping up!
Construction Portfolio growing (2x-3x) over next 5 years
Thank you
Department of Veterans Affairs

Sheila N-Rad,
West Region Director,
Construction Facility Management
Office of Design and Construction
Sheila.nematollahi-rad@va.gov
VA Construction Programs

- VA VISN- & Medical Center-Owned & Executed: NRM & Minor Program
- Major, CFM-Owned & -Executed: Projects between $20M and $100M
- Major, CFM- Owned & USACE-Executed: Projects over $100M
VA Regional Boundaries

Eastern Region: VISNs 1, 2, 4, 5, 6, 7, 8, & 9
Central Region: VISNs 10, 12, 15, 16, 17, & 23
Western Region: VISNs 19, 20, 21, & 22
Challenges

1) Seismic Backlog – aging infrastructure and backlog of projects require funding

2) Maintaining “Design To” Cost – estimated costs increase during design.

3) Maximizing Bidder Input – projects in competitive and high cost of construction areas
VA Medical Centers may decide to partner with USACE for execution of Minor (< $20M) and/or NRM projects via an Interagency Agreement (IAA).

All IAAs established by VHA or CFM for USACE execution of a project routes through the Program Management Office (PMO).

There are currently upwards of 150 individual IAA Orders for all Majors, Minors, and NRMNs.
<table>
<thead>
<tr>
<th>City</th>
<th>St</th>
<th>Project Title</th>
<th>Phase</th>
<th>Total Estimated Cost ($000s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Diego CA</td>
<td></td>
<td>Emergency Bus Duct &amp; Switchgear Modification</td>
<td>CONST</td>
<td>$5,300</td>
</tr>
<tr>
<td>Loma Linda CA</td>
<td></td>
<td>Renovate Surgical Clinic 2EN</td>
<td>CONST</td>
<td>$4,500</td>
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</table>

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</thead>
<tbody>
<tr>
<td>Phoenix AZ</td>
<td></td>
<td>Expand Parking Garage</td>
<td>CON</td>
<td>$11,595</td>
</tr>
<tr>
<td>Tucson AZ</td>
<td></td>
<td>Replace Surgical Intensive Care &amp; Step Down Units</td>
<td>DES</td>
<td>$14,300</td>
</tr>
<tr>
<td>West Los Angeles CA</td>
<td>Various Buildings – Enhanced Use Lease</td>
<td>DES</td>
<td>$20,000</td>
<td></td>
</tr>
<tr>
<td>Long Beach CA</td>
<td></td>
<td>Emergency Dept Addition</td>
<td>DES</td>
<td>$9,600</td>
</tr>
<tr>
<td>Salt Lake City UT</td>
<td>Expansion of Pharmacy and Whole Health</td>
<td>DES</td>
<td>$13,000</td>
<td></td>
</tr>
</tbody>
</table>
## Sample of Upcoming Projects - Majors

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</tr>
</thead>
<tbody>
<tr>
<td>Long Beach</td>
<td>CA</td>
<td>Renovate Bldgs 2, 7, &amp; 8</td>
<td>DES</td>
</tr>
<tr>
<td>Long Beach</td>
<td>CA</td>
<td>New Parking Garage</td>
<td>DES</td>
</tr>
<tr>
<td>Greater Los Angeles</td>
<td>CA</td>
<td>New Critical Care Tower</td>
<td>DES</td>
</tr>
<tr>
<td>Albuquerque</td>
<td>NM</td>
<td>Multiple Seismic Individual Projects</td>
<td>DES</td>
</tr>
<tr>
<td>Greater Los Angeles</td>
<td>CA</td>
<td>Multiple Seismic Individual Projects</td>
<td>DES</td>
</tr>
</tbody>
</table>

Full list of upcoming VA projects to be fully or partially funded next year can be found in the VA FY 2021 Budget & Capital Plan: [www.va.gov/budget/products.asp](http://www.va.gov/budget/products.asp)

Reference Volume IV “Construction & Long Range Plan”
West Region A/E IDIQ – 10 awards, each up to $25M

Service Scope:
- Facilities support, design, project management;

- Maintenance of design and construction standards, historic preservation services, and design and facilities expertise;

- Multi-disciplined Architect/Engineer services to include, but not limited to:
  - code review, site investigations, analysis, design, preparation of specifications and drawings;
  - preparation of cost estimates, construction period services, preparation of as-built record drawings, site visits during construction;
  - Safety, industrial hygiene, fire safety and Construction Document review, pre-Construction Document technical studies;
  - Construction quality assurance/quality control.
Contacts:

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Dan Thiel, Construction Branch Chief, Los Angeles/Loma Linda/San Diego/Long Beach areas
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Ashok Singh, WRO Contracting Officer, VA-CFM,
Ashok.Singh@va.gov , 202-615-0621 ,
Resources:

• CFM Web Site:  www.cfm.va.gov

• VA Forecast of Opportunities:  
  www.vendorportal.ecms.va.gov/eVP/fco/FCO.aspx

• Office of Small & Disadvantaged Business Utilization (OSDBU) Vet Biz Website:  www.vetbiz.gov

• Federal Business Opportunities:  www.fbo.gov
Questions?
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