Introduction

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Safety Share
Procurement Opportunities

• Functionality for Hydraulic Doors – Chris Martinez
• Staff Augmentation/Managed Service Provider – Ed Ybarra
• LANL Vessel Procurement
• RFI for Space
Functionality for Hydraulic Doors

Chris Martinez
LANL - ASM
Staff Aug/Managed Service Provider Update

Ed Ybarra
ASM-Mission Operations
Managed Services Program (MSP)

• Triad to implement a Managed Services Program to manage the acquisition and the administrative process of Contract Labor/aka Staff Augmentation.

• Triad decentralizing away from current model where there is one Staff Augmentation Administrator and provider, to contract directly with all Staff Augmentation suppliers.
What is Changing

• LANL is implementing its own Fieldglass to replace an outsourced system.

• A primary focus of the new MSP is to develop the local small business labor supply supporting LANL.

• The new MSP’s role will *exclude* providing workers.

• A two-tier staffing agency structure will leverage key small business and preferred supplier relationships.
What is the Benefit

- LANL will “own” this critical business system and possess direct control over related business data and reporting.
- Managing to the realization of benefits and outcomes will yield new approaches and regional relationships.
- Staff agencies will receive more “even playing field,” because MSP will not provide contract labor.
What is the Benefit - Continued

• Tier 1 Providers: (Focus on Small Businesses)
  - SCMC Agencies and Tribal Alliance Sources
  - Triad Named Subcontractors

• Tier 2 Providers:
  - Regional staffing agencies
  - National staffing agencies, if necessary
BREAK- 10 minutes
Capital Projects Update

Susan Stein
ASM-Capital Projects
MATOC Update

- Bids Closed February 18, 2020
- Technical Evaluations underway
- Consent package to NNSA mid-March
- First MATOC Awards mid-April
  - D&D
  - Modular
  - General Construction Small Business set-aside
- Balance of disciplines in second consent package
- Second set of MATOCs awarded end of May 2020
 EO13706 Paid Sick Leave for Workers on Federal Contracts

Executive Order 13706 Frequently Asked Questions (FAQs).

The requirements of the Executive Order apply only to certain categories of contracts with the Federal Government, and only to contracts that are “new” on or after January 1, 2017.

As proposed, the categories of covered contracts are identical to those covered by the Final Rule implementing Executive Order 13658, Establishing a Minimum Wage for Contractors (Minimum Wage Executive Order).

(1) a contract for construction covered by the DBA

(2) a contract for services covered by the SCA
The requirements apply regardless of the value of the subcontract. Contractor obligations for ensuring compliance by subcontractors are consistent with obligations under DBA, SCA and the Final Rule implementing the Minimum Wage Executive Order.

The proposed regulations apply to “new contracts,” that is, contracts with the Federal Government that result from solicitations issued on or after January 1, 2017 or that are awarded outside the solicitation process on or after January 1, 2017.

Triad award November 2018

EO13706 was not flowed down in Triads contract at award

It is being added and will be applied retroactive to November 2018

All Triad Subcontractors will be requested to provide proof as to whether they currently provide a sick leave benefit.
Implementation

- Subcontract modifications will be issued to add the retroactive requirement.
- All Triad Subcontractors will be requested to provide proof as to whether they currently provide a sick leave benefit.
- Contractors will be permitted to submit an REA to address costs to provide the sick leave for their DBA and SCA workers who worked at LANL since Transition - Nov 2018.
- More details will be provided in the contract modification on documentation requirements.
6 to 12 Month Look Ahead Project Update

Susan Stein
ASM-Capital Projects
• Construct improvements and additions to the TA-16 Building 260 Main Facility and Bays, TA16-1480 Steam Plant, TA16-0263, TA16-0265, and TA16-0267.

• Provide a modern and reliable infrastructure and add additional non HE fabrication space.

• Provide new LED lighting throughout the facility, an upgraded power supply, a new heated water system, and a new Building Automation System (BAS) to achieve a tighter control of air temperature. Bays 1 and 2 will be restructured to include a single entrance.

• The existing machine shop space will approximately double in size with an outside addition.

• Other upgrades include replacing the current battery backup system, adding yellow network resources, and adding compressor controls.
• Design and install a prefabricated packaged fire pump on a concrete pad immediately against the first floor west wall of the Central Utility Building (CUB).

• Provide a 500 gallon diesel fuel tank to power the pump.

• Design a prefabricated weather protection enclosure for the engine, fire pump and fuel tank with lighting and ventilation as needed for maintenance and shedding heat load from the diesel engine.

• The fire pump controls and ventilation/lighting will require 480V 3phase power from an existing or new electrical panel inside the CUB.
PF-4 Secondary Lift Installation – Chris Pearson

• Design and install new, commercial lift in the Isotope Fuel Impact Tester (IFIT) area of TA-55, PF-4 to provide redundant capability to the PF-4 freight elevator for transporting containerized materials between the PF-4 laboratory floor and the basement. The IFIT space has a steel grading floor at the first-floor level that is not a part of the PF-4 seismic structure and which does not provide ventilation or fire barriers between floors. The space already has a small dumbwaiter for movement of materials and tools between floors.

• Design effort includes working with the Facility Operations Director (FOD) and Programs for identification of an optimum location for installation of the new lift. Location preference may include replacement of the existing small dumbwaiter with new unit with size and capacity capable of moving a single drum or material cart.
• Design and construct a new, permanent transfer facility which will be used for shipping and receiving DOT Regulated Hazardous Materials to/from commercial carriers. The facility will be used for the sole purpose of transferring packages that are in shipment configurations and transferred from a commercial carrier to a LANL delivery vehicle upon receipt of or transference from a LANL delivery vehicle to a commercial carrier during shipping.

• This building will not be used for manufacturing, processing, generation or storage of any DOT Regulated Hazardous Materials. Transfer operations will be facilitated in the proposed facility's safe and secure environment.

• The project will also include mobilization/de-mobilization; site preparation for foundations; re-engineering building erection; system and utility connections; site infrastructure for vehicle access, parking and walkways; inspections as required by the LANL Building Official (LBO); and building commissioning. New Construction: buildings must be LEED Gold unless an approved waiver from the Program Management Executive. All new construction and modernization for buildings over 5,000 GSF must meet the 2016 Guiding Principles for sustainable federal buildings.
• Design a redundant fiber optic communication pathways to a central alarm station (CAS) and secondary alarm station (SAS) and back-up power through the central alarm station.

• Specifically, the project will provide Uninterruptible Power Supply (UPS) and dual telecommunication services to a central location to afford a point of connection for future security system renovations projects.

• UPS services will be distributed from the central location and telecommunication services will be extended from the CAS and SAS backbones to locations within a facility for use by future upgrades.
• Design and install a replacement of the direct gas fired heating system with a boiler heated system, make ducting upgrades, and add cooling capability to the DARHT Vessel Prep facility, Building 15-0534.

• Project design will consider system energy efficiency improvements such as building automation system upgrades, and continuous re-commissioning via SkySpark analytics.
• Evaluate and provide designs to address approximately 16 seismic 2 Over 1 issues that could adversely affect a fire suppression system (FSS).

• The issues include five existing HVAC fans above FSS piping, numerous locations with FSS piping supported with eccentric beam supports, several sprinklers installed very close to facility equipment (column capitals and electrical equipment such as conduit, lighting and cable trays) that may be impacted by the equipment during a seismic event, and unsupported or at risk branch line long drops.
• Utilize modular construction methodology to procure and erect a new 20,000 sq. ft. office facility.

• Scope would include design and fabrication of modules, foundation work, setting of modules, electrical, water, gas and sewer utilities and tie-ins, HVAC, telecommunications, access controls, and fire protection/alarm.
• Design completed. Exhibits in progress.
• Provide a wet pipe fire suppression system at K-Site TA-11-0030.
• The fire suppression scope is limited to only the internals of building 30 at TA-11 K-site.
• The project will require construction of a new fire water line to serve the K-site area. The water line will be an extension from an existing line at TA-16-380. The water line extension will include a new single fire hydrant at K-site in vicinity of Bldg 30.
• An external fire water riser room will be constructed near building 30 to serve the new fire suppression system.
• The project does not include any scope for fire detection, alarm, or K-site buildings other than Bldg 30.
• Per approved design, demolish the existing mudrooms for each facility and replace with larger rooms, including engineering controls to prevent the spread of grit.

• Construct flood control features in building 16-0410 per design.
• Install a new modern HVAC system, upgrade the building electrical system to meet program current and future needs (a new transformer, service line and electrical systems to wood/machine shops), install a networked Building Automation System (BAS) for the HVAC and fire detection, upgrade additional systems (e.g., fire detection, exhaust, and compressed air), and renovate the current machine shop and wood shops area to meet the current and future needs of the program.
• Install a fire suppression system upgrade in high explosive building TA-16-301, 305 and 307.

• This work also includes temperature controlled fire equipment rooms for building 301 and 307.

• It will also include modifying the existing fire alarm system to report events from the fire suppression system.
The Radioactive Liquid Waste Treatment Facility Upgrade Project (RLWTF-UP) will provide the capability to collect, store, treat and discharge radioactive liquid waste (RLW) in a safe, reliable and effective manner in support of the primary missions at LANL for the next 50 years. The RLWTF-UP consists of three separate facilities:

- Zero Liquid Discharge (ZLD)
- Low Level (Liquid) Waste (LLW)
- Transuranic (TRU) Liquid Waste (TLW)

Specifically, the TLW project scope is to provide a “like for like” replacement of the existing RLW treatment capability. The new facility will be Hazard Category-3 and include a TRU waste influent storage system, a TRU waste treatment system, TRU secondary waste treatment and packaging systems, and a nitrates reduction system.
• This project will design and construct a new DARHT Hydro Vessel Repair Facility. The new Hydro Vessel Facility will include one cleanout bay capable of processing up to 8’ diameter vessels and two repair bays.

• This new facility will double vessel processing throughput and add the capability to process 8’ diameter vessels. The new facility will be capable of processing 3’, 6’ and 8’ diameter vessels.

• The cleanout/repair bays will be designated radiological work areas due to potential beryllium and other radiological hazards generated during cleanout/repair operations on the vessels. These hazards in turn drive the need for a HEPA ventilation system for the facility.

• The facility will include a cleanout bay, two repair bays, buffer area, change rooms, and bathrooms/showers for workers. Each bay has been sized to accommodate all repair equipment, including new robotic manipulation arms. 30-ton cranes will be required to move vessels in each bay. The new facility will also include a concrete pathway for the forklift to move vessels.
• This project will include a systematic evaluation, design, and restoration of the earth shielding structure at the LANSCE Area C Dome.
• This project will provide electrical, HVAC, fire alarm system, and fire suppression upgrades to the Optics Room (room 119) at the DARHT facility, located at TA-15-0312.
• This project will upgrade the S13 circuit from the WTA substation to TA-15 by upgrading conductors and reconfiguring poles for the larger conductors.

• The scope will also include methods (such as Intellirupters) to better isolate S13 between TAs so that faults and outages can be detected and corrected faster to prevent interruptions at DARHT and other TA-15 facilities.

• The DARHT facility is mission critical which supports LANL's weapons program. The DARHT facility receives primary power from the TA-3 substation (approximately 4 miles away) through the S-13 circuit which consist of one 13.2kV overhead power service.

  ➢ Trolley Replacement Bucket Operations

  ➢ Replace trolley bucket components
The purpose of this project is to separate the high pressure feed from the fire water loop for TA-55.

Specifically, this project will install a new high pressure water line from TA-48 to TA-55.

Currently the water supply to the Fire Loop is provided by two low pressure lines.
• This project is to replace the existing analog Low Level RF feedback control system with a new modern digital Low Level RF (dLLRF) system, cabling and supports.

• Refurbish the existing RF Reference Transport Line insulation, coaxial cable, and O-rings in the tunnel.

• Replace 44 water resonance control systems in sectors B-H of the tunnel.