

EXHIBIT B

STATEMENT OF WORK

Title: New DAF Engineering & Maintenance Facility 06-541

APA/ASG SOW Task Number 1548

ASG Reviewer and Date Tyson Spears - 4/21/25

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INTEGRATED ACQUISITION TEAM TECHNICAL APPROVAL PAGE
FOR STATEMENT OF WORK New DAF Engineering & Maintenance Facility 06-541

REQUIRED	ORGANIZATION	PRINT NAME
<input checked="" type="checkbox"/>	End-User / Requestor	Phillip Vevera

***Must be approved in Oracle**

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LIST OF ACRONYMS

Acronym	Definition
CAP	Contractor Acquired Property
CM	Construction Manager
DAF	Device Assembly Facility
EPC	Engineering/Procurement/Construction
ES&H	Environmental Safety and Health
GFE	Government Furnished Equipment
GFP	Government Furnished Property
LAO	Los Alamos Operations at Los Alamos, NM
LO	Livermore Operations at Livermore, CA
MSTS	Mission Support and Test Services
M&O	Maintenance and Operation
NFO	Nevada Field Office
NLV	North Las Vegas Facility
NNSA	National Nuclear Security Administration
NNSS	Nevada National Security Site
RSLA	Remote Sensing Lab at Andrews AFB, Maryland
RSLN	Remote Sensing Lab at Nellis AFB, North Las Vegas, NV
RWP	Radiological Work Permit
SME	Subject Matter Expert
SSSP	Site-Specific Safety Plan
STL	Special Technologies Lab at Santa Barbara, CA
STR	Subcontract Technical Representative

B-1 SCOPE AND BACKGROUND

1. Background

The Nevada National Security Site (NNSS) is a U.S. Department of Energy, National Nuclear Security Administration (NNSA) installation, operated by Mission Support and Test Services, LLC (MSTS or CONTRACTOR), comprising approximately 3,561 square kilometers (1,375 square miles) of federally owned land located in southeastern Nye County, Nevada. Located approximately 105 kilometers (65 miles) northwest of Las Vegas, Nevada, the NNSS is accessed from U.S. Highway 95, which roughly forms the southern boundary of the site.

The MSTS also operates the North Las Vegas Facility (NLV); the Remote Sensing Lab at Nellis AFB, North Las Vegas, NV (RSLN); the Remote Sensing Lab at Andrews AFB, Maryland (RSLA); Special Technologies Lab at Santa Barbara, CA (STL); Livermore Operations at Livermore, CA (LO); and Los Alamos Operations at Los Alamos, NM (LAO).

This project supports design and construction of a contemporary, efficient and enduring 14,200 square foot building that will provide a functional and efficient office and conference facility to directly support the Device Assembly Facility (DAF) Complex. This project addresses the need for additional administrative office space supporting DAF operations and maintenance personnel. Construction of this facility will enable personnel that are presently located at various locations across the NNSS to be consolidated and co-located directly at the DAF complex. This project is consistent with the NNSS site-wide modernization approach and aligns with the NNSS strategy to provide the workforce with functional, modern workspace. This building will support the increased personnel and space requirements associated with the continued programmatic mission expansion at the DAF. If this project is not completed, the workforce will be required to remain in non-enduring facilities that do not support and enable optimized facility operations and maintenance activities. In addition, without construction of the facility there will not be adequate space to accommodate required personnel needed to support the increased mission operations.

2. Objective

MSTS requires the services of an experienced SUBCONTRACTOR to provide Engineering/Procurement/Construction (EPC) services for the construction of a new single-story building at the NNSS as described in the attached specification. This building will be based off the existing DAF 06-540 design. The DAF 06-540 design will require site adaptation and design modifications to the interior layout of non-structural building components to meet functional requirements. The building which will be included in this subcontract will be DAF Building 2 (06-541) This building design will be modified based on the MSTS NNSS DAF BUILDING 06-540 100% Submittal Set drawings. DAF 06-540 drawings can be referenced in section B-3 Drawing (1).

3. Description of Work

The SUBCONTRACTOR shall provide technically qualified resources that work as a part of a team under the direct oversight of MSTS. SUBCONTRACTOR resources shall be responsible for independently planning, organizing, and performing a wide variety of non-hazardous specialized administrative/technical duties in support of the successful completion of goals and deliverables. Additionally, the SUBCONTRACTOR shall furnish all necessary labor, technical and professional services, supervision, materials, tools, equipment, consumables, and payment of any applicable taxes to perform all operations necessary and required to perform the scope as directed by MSTS.

Unless otherwise approved, the SUBCONTRACTOR shall work in accordance with MSTS subcontract requirements,

Specifically, SUBCONTRACTOR shall provide the following for MSTS:

Services include, but are not limited to, providing all disciplines of design and architecture, planning, procurement, construction, commissioning, and inspection services at the NNSS. This Subcontract will

function to obtain EPC services based off the existing construction drawings for 06-540 core building design to support the NNSS. The CONTRACTOR's Engineering and Construction Department will manage these services.

SUBCONTRACTOR shall perform Design services consisting of the following:

- Modified interior architectural construction drawings to incorporate all building programming requirements for the building.
- Mechanical, electrical, civil, structural, electronics, communications, fire protection, architectural, topographical, and cadastral design.
- Development of documentation, calculations, and reports for conceptual design, building code analyses, preliminary design, definitive design criteria, detailed final design.
- Construction drawings and specifications.
- Adherence to design criteria documents.
- Adherence to functional classification documents.
- Any other pertinent documentation necessary to execute maintenance, repair, alteration, modification, and/or new construction projects for non-nuclear facilities.

Construction activities include the following:

1. Construction of facility per project design specifications and drawings provided in B-2 Technical Specifications (1) Design Build Technical Requirements Document for New DAF Engineering and Maintenance Facility 06-541 TRD-540-000 -REV 0-.
2. SUBCONTRACTOR shall submit a Waste Management Plan to CONTRACTOR for approval before construction activities begin. Plan should include construction and non-construction related materials.
3. Where markets exist, at least 50% of non-hazardous non-construction related materials shall be diverted.
4. Quality Control/Assurance and Inspections.
 - a. Perform all inspections in accordance with the subcontract documents, using a third party inspector. Those third-party inspectors shall be hired by the SUBCONTRACTOR, and shall report their findings directly to the CONTRACTOR and SUBCONTRACTOR.
 - b. Provide a Quality Control plan to include a schedule that details what and how inspections will be performed and how the results will be documented.
 - c. Perform Quality Assurance checks for readiness to formally demonstrate functionality of equipment and systems. These are to be documented by SUBCONTRACTOR. In addition, ensure that these checks are coordinated with the Subcontract Technical Representative (STR).
5. Post Construction Activities.
 - a. Whole Building Commissioning.
 - i. SUBCONTRACTOR shall provide a commissioning plan in accordance with commissioning specifications prior to start of construction activities.
 - ii. SUBCONTRACTOR shall complete all pre-functional checklists and demonstrate equipment and system functional performance through testing directed by the third-party inspectors which shall be hired by the SUBCONTRACTOR. Before completion of all work on-site.
 - iii. Resolve any issues found not meeting the subcontract documents.
 - b. Turnover.
 - i. Punch list items shall be completed as outlined in the subcontract documents.
 - ii. CONTRACTOR's Beneficial Occupancy Inspection program/requirements shall be met, and SUBCONTRACTOR is responsible to provide a building that can pass building occupancy inspections (BOI) in accordance with CONTRACTOR's Company Directives: B-2 Technical Specifications (1) Design Build Technical Requirements Document for New DAF Engineering and Maintenance Facility 06-541 TRD-540-000 -REV 0.
 - iii. Training of CONTRACTOR maintenance crew on operation and maintenance of the building systems.
 - iv. Warranty certificates and Operating and Maintenance manuals shall be provided a week before building turnover.
7. Safety Program must comply with all CONTRACTOR safety requirements.
 - a. A full time Contractor approved safety representative must be present during all construction activities.

8. Work Planning.

a. SUBCONTRACTOR shall develop and coordinate with the Project Manager for the development of Activity Level Work Documents, which shall include:

- i. Work steps/process.
- ii. Job hazard assessments.
- iii. Site specific safety plan.
- iv. Safety data sheets, identify how hazards with chemicals and materials will be mitigated.
- v. Quality Inspection Plan Requirements.
- vi. Authorization must be obtained in advance for transporting and using electronics with Wi-Fi/Bluetooth capabilities, lasers or radiological devices (e.g. nuclear density gauge), and Global Positioning System.

b. Activity Level Work Documents must be completed two (2) weeks prior to the construction activities outlined in the Activity Level Work Documents.

c. Requests to connect building to existing power, communications, water, and sewer infrastructure shall be submitted to the Project Manager in writing via e-Email at least four (4) weeks in advance.

i. Power – CONTRACTOR will be responsible for running power to SUBCONTRACTOR's installed building transformer.

9. Weekly Meetings Onsite.

a. SUBCONTRACTOR shall be responsible for capturing and distributing meeting minutes.

10. SUBCONTRACTOR is also responsible for identifying/completing additional requirements detailed in the Subcontract Documents.

A full summary of work for DAF Building 2 (Building 06-541) can be referenced in B-2 Technical Specifications (1) Design Build Technical Requirements Document for New DAF Engineering and Maintenance Facility 06-541 TRD-540-000 -REV 0.

3.1. Task(s)

N/A

3.2. Sequencing

N/A

3.3. Required Points of Contact or Key Personnel Qualifications

The identified SUBCONTRACTOR's personnel will have

Site Superintendent

- At all times during performance of this Subcontract and until the work is completed and accepted, the SUBCONTRACTOR'S superintendent shall directly supervise and oversee the Work at the worksite or assign and have at the worksite another qualified representative of the SUBCONTRACTOR (in the superintendent's temporary absence) who is satisfactory to the Procurement Representative and who has authority to act for the SUBCONTRACTOR. Site Superintendent shall have a minimum of 3-years documented safety experience.

Quality Representative

- Perform all inspections in accordance with the subcontract documents, using a third-party inspector. Those third-party inspectors shall be hired by the SUBCONTRACTOR and shall report their findings directly to the CONTRACTOR and SUBCONTRACTOR. SUBCONTRACTOR will provide a Quality Control plan to include a schedule that details what and how inspections will be performed and how the results will be documented. Quality Representative shall have a minimum of 3 -years documented safety experience.

Safety Representative

- A degree in Occupational Safety or Hold the designation of a Certified Safety Professional or hold the designation of an Associate Safety Professional with a minimum of 3-years documented safety experience.
- Safety Program must comply with all CONTRACTOR safety requirements. A full-time approved safety representative must be present during all construction activities.
- Occupational Health and Safety Technician or Construction Safety and Health Technician certification in addition to 3 years of experience in the field performing safety duties.

3.4. Lower-Tier Subcontracts

The SUBCONTRACTOR shall ensure that LOWER-TIER SUBCONTRACTORS performing elements of the Subcontracted Scope of Work at sites controlled/managed by the CONTRACTOR or NNSA adhere to the SUBCONTRACTOR'S Site-Specific Safety Plan (SSSP). The SUBCONTRACTOR is responsible for ensuring that its LOWER-TIER SUBCONTRACTORS are included in the SUBCONTRACTOR'S SSSP and that they comply with all the requirements of this Subcontract.

If, after award, the SUBCONTRACTOR proposes to use any new LOWER-TIER SUBCONTRACTORS not listed in initial subcontract, the SUBCONTRACTOR shall notify the MSTS's Procurement Representative at least 10 business days before the proposed start date of the new LOWER-TIER SUBCONTRACTOR. The SUBCONTRACTOR will submit any required LOWER-TIER SUBCONTRACTOR'S, forms and documentation including "Safety and Health History" for CONTRACTOR review and acceptance. LOWER-TIER SUBCONTRACTORS shall not perform any work prior to the CONTRACTOR'S approval in writing provided by the Procurement Representative.

3.5. Acceptance Criteria

Subcontractor shall submit and complete the following items, in order for CONTRACTOR to issue Substantial Completion:

- Building Occupancy Inspection (BOI), See CD-5400.003, "Beneficial Occupancy Process".
- Written notice to Contractor requesting Substantial Completion
- Subcontractor's punch list
- Systems Startup reports and TAB reports
- Third-Party sustainable design commissioning reports
- QAA Reports
- Operations and Maintenance Manuals, in English
- Warranty matrix
- Product Warranties
- Training of Contractor's personnel is complete
- Final cleaning
- Removal of temporary protection
- Maintenance materials and tools, including spare parts and extra materials
- Project Record Documents, Subcontractor will provide Record Drawings documenting any changes from the issued IFC design documents for Contractor.
- Maintenance plan is complete.
- Keys are provided to Contractor, and the keying schedule is complete.

The date of approval of Substantial Completion will establish the official Substantial Completion

Date and initiate the preparation of the project punch list, for final and corrective work to be accomplished by Subcontractor. At this time, Subcontractor is responsible for scheduling a Pre-

Final Inspection.

Pre-Final Inspection is a meeting in which Contractor and Subcontractor's DOR(s) review and inspect the work to determine if the work, or portion in question, qualifies for Substantial Completion. At this meeting, Contractor and Subcontractor's DOR(s) will review Subcontractor's punch list and extend or create their own punch list, in which all items will be combined for one (1) project punch list. For this meeting Subcontractor must have representatives who are able to certify that the work was completed and complies with the construction documents provided.

Subcontractor's DOR has prepared the punch list required to be addressed by Subcontractor prior to Contractor's acceptance for facility for occupancy. Subcontractor will create and manage a punch list for all work not compliant during the Pre-Final Inspection and will substantiate with a statement stating that all work not on punch list complies with the Construction Documents.

When the work, or designated portion thereof, is substantially complete, as determined by Contractor, Contractor will prepare a Certificate of Substantial Completion and submit it to Subcontractor for written acceptance, which:

- Indicates the date of Substantial Completion
- Establishes responsibilities of Contractor and Subcontractor for security, maintenance, HVAC, utilities, damage to the work, and insurances
- Determines the time within which Subcontractor shall finish all items on the punch list accompanying the certificate

Final Completion is the stage in the work is complete as determined by Contractor. The date of final acceptance of the project by Contractor shall be the date upon which Contractor issues a Notice of Final Completion. Subcontractor shall submit and complete the following required items in order for Contractor to issue the Notice of Final Completion:

- All items required for Substantial Completion must have been received by Contractor
- Final commissioning report
- Completed punch list
- Proof of paid temporary utilities
- Approved submittals and submittal log indicating Status 1 for the submittals
- Field survey
- Consent of surety
- Return all badges, per security requirements

3.6. Site Conditions and Known Hazards (Facility Specific)

Site facility specific conditions/requirements and known hazards are as incorporated in this SOW.

3.6.1. Asbestos	
<input checked="" type="checkbox"/>	It is NOT expected.
<input type="checkbox"/>	<p>It IS expected that asbestos-bearing materials will be encountered during the performance of this work.</p> <ol style="list-style-type: none"> The SUBCONTRACTOR shall submit an Asbestos Abatement Plan for STR approval prior to start of work, which meets all the criteria of OSHA 29 CFR 1926.1101, "Asbestos." The Asbestos Abatement Plan shall identify the procedures that will be used to remove and dispose of all asbestos-containing materials that may be encountered during work performed under this Subcontract. These items include, but are not limited to, piping insulation, floor tiles, ceiling tiles, and boilers. Supervision of the asbestos abatement work shall be performed by a federal, state, or local accredited/licensed competent person (as defined by OSHA 29 CFR 1926.1101) employed by the SUBCONTRACTOR and who will be at the worksite(s) at all times. Installation of asbestos containing material (ACM) in newly constructed facilities is prohibited. For all new facilities, certify that no ACM was used for building construction.
3.6.2. Silica	
<input checked="" type="checkbox"/>	It is NOT expected.
<input type="checkbox"/>	<p>It IS expected that silica-bearing materials will be encountered during the performance of this work and all activities that may potentially generate respirable silica.</p> <ol style="list-style-type: none"> A SUBCONTRACTOR with employees potentially exposed to respirable crystalline silica (RCS) above 25 micrograms per cubic meter of air (25 ug/m³) as an 8-hour time-weighted average under any foreseeable conditions shall comply with the 29 CF 1910.1053, "Respirable Crystalline Silica," and/or 29 CFR 1926.1153, "Respirable Crystalline Silica." The SUBCONTRACTOR shall submit a Written Silica Exposure Control Plan (if applicable) to the CONTRACTOR for review and approval as part of the SSSP. <p><i>NOTE: The CONTRACTOR's RCS Occupational Exposure Limit is 25 ug/m³ as opposed to OSHA PEL of 50 ug/m³.</i></p>
3.6.3. Toxic Metals (Lead, Cadmium, Mercury)	
<input checked="" type="checkbox"/>	It is NOT expected. However, since painted surfaces typically contain lead chromates, and many metals contain hexavalent chromium, the subcontractor is required to notify the STR prior to cutting, burning, welding or polishing of metal or painted surfaces.
<input type="checkbox"/>	<p>It IS expected.</p> <ol style="list-style-type: none"> A SUBCONTRACTOR with employees working in toxic metals contaminated areas shall submit a Written Toxic Metals Exposure Control Plan in accordance to the appropriate section of 29 CFR 1910 to the STR for review and approval as part of the SSSP. All SUBCONTRACTOR employees working under the accepted Written Toxic Metals Exposure Control Plan shall have been trained in accordance with the plan. Training records shall be submitted to the STR prior to the start of work.
3.6.4. Hoisting and Rigging	
<input type="checkbox"/>	It is NOT anticipated that Hoisting and Rigging will occur during performance of the work. However, if the Subcontractor's chosen means and methods include hoisting and rigging activities then all applicable requirements shall apply.
<input checked="" type="checkbox"/>	<p>It IS anticipated that Hoisting and Rigging will occur during performance of this work.</p> <ol style="list-style-type: none"> The SUBCONTRACTOR shall provide the resources necessary for inspection, certification, and maintenance of rigging and lifting equipment as well as monitor all lifts to ensure that regulatory lifting practices are followed by the MSTS Lifting SME. The SUBCONTRACTOR shall submit its 29 CFR 1926.1400, Subpart CC, "Cranes and Derricks

	<p>in Construction" compliant program as part of the ES&H program.</p> <ul style="list-style-type: none"> c. The SUBCONTRACTOR shall designate a qualified supervisor to determine the methods and develop plans for rigging operations to ensure safe lifts. d. The SUBCONTRACTOR shall ensure all crane operations maintain minimum safe distances from all high voltage lines, as determined by the CONTRACTOR. Twenty feet is required for voltages up to 350 kV. At voltages greater than 350 kV, the distance shall increase as required. e. Cranes (Mobile) - The SUBCONTRACTOR shall provide the resources necessary for inspection, certification, and maintenance of rigging and lifting equipment and shall monitor all lifts to ensure that acceptable lifting practices are followed. f. Lift Plan requirements <ul style="list-style-type: none"> i) Lift plans are required to be submitted to the CONTRACTOR for concurrence. The SUBCONTRACTOR shall submit a detailed rigging plan with all applicable supporting calculations to the CONTRACTOR for review and acceptance prior to the lift. A Formal Lift Plan will be required for the following activities: <ul style="list-style-type: none"> • Excess of 5 tons • Lift classified as critical (exceeding 75% of crane capacity chart) • Any two-crane lift or any lift over operating or occupied facilities, process pipe racks or near power lines) • High value or long lead time item ii) The SUBCONTRACTOR shall designate a qualified supervisor to determine the methods and develop plans for rigging operations to ensure safe lifts. iii) The SUBCONTRACTOR is required to meet DOE Standard DOE-STD-1090-2020, "Hoisting and Rigging" for lift classification and lift plan requirements.
3.6.5. Radiological Contamination	
<input checked="" type="checkbox"/>	It is NOT expected.
<input type="checkbox"/>	<p>It IS anticipated that work may be performed in radiological areas.</p> <ul style="list-style-type: none"> a. The SUBCONTRACTOR shall abide by the requirements of the current version of the NNSC Radiation Protection Program (NNSC RPP) as implemented with the NNSC Radiological Control Manual (NNSC RCM). <ul style="list-style-type: none"> • The NNSC RPP can be downloaded from the following web address: https://www.osti.gov/servlets/purl/1435448 • The NNSC RCM can be downloaded from the following: https://www.osti.gov/servlets/purl/1895616 b. The SUBCONTRACTOR shall abide by the CONTRACTOR'S radiological postings. c. The SUBCONTRACTOR shall make arrangements with the CONTRACTOR'S Radiological Control Division to develop adequate controls, prescribe protective measures, and generate required Radiological Work Permit (RWP) necessary to demonstrate compliance with the NNSC RPP. d. The SUBCONTRACTOR shall comply with all RWPs approved by the CONTRACTOR controlling the work performed by the SUBCONTRACTOR. e. The SUBCONTRACTOR shall provide a list of all equipment and materials expected to be utilized in areas controlled for radiological purposes and shall additionally disclose all heavy equipment to be brought on NNSA/NFO-managed property to the CONTRACTOR'S STR (to be provided to the Radiological Control Division), prior to arrival on NNSA/NFO property. f. All SUBCONTRACTOR-owned/rented equipment and vehicles brought onto NNSA/NFO property are subject to radiological survey at any time during the contract period. <ul style="list-style-type: none"> • All SUBCONTRACTOR-owned/rented heavy equipment utilized for soil disturbing or building demolition activities are required to undergo baseline and re-entry radiological surveys upon arrival at NNSA/NFO property or prior to use at the work site, as directed by the

	<p>CONTRACTOR'S Radiological Control Division.</p> <ul style="list-style-type: none"> • All SUBCONTRACTOR-owned/rented equipment and vehicles are required to undergo radiological evaluation prior to removal from the work site and/or NNSA/NFO property. • All SUBCONTRACTOR-owned/rented equipment and vehicles brought onto NNSA/NFO property that cannot meet established radiological release requirements shall not be removed from NNSA/NFO property. <p>g. SUBCONTRACTOR shall require dosimeters, if used at the worksite, are exchanged by CONTRACTOR, as required, by the CONTRACTOR's Radiological Control Division.</p> <p>h. Upon completion of work, the SUBCONTRACTOR returns the dosimeters to the CONTRACTOR.</p> <p>i. When required, the SUBCONTRACTOR shall ensure radiobioassay samples from their employees are submitted to the CONTRACTOR'S Radiological Control Division and/or RWP.</p> <p>j. If the SUBCONTRACTOR is expecting to bring radioactive material/radioactive sources (including those contained within equipment) or radiation-generating devices (RGDs) onto NNSA/NFO property:</p> <ul style="list-style-type: none"> i) The SUBCONTRACTOR shall maintain radioactive material/radioactive sources per the CONTRACTOR'S direction. ii) The SUBCONTRACTOR shall provide a planned schedule of moves or advise the CONTRACTOR'S STR (to be provided to the Radiological Control Division), in writing, prior to moving any radioactive source to, around, or away from CONTRACTOR-managed property. Prior approval to move such radioactive sources onto or from CONTRACTOR-managed property must be received from the CONTRACTOR'S Radiological Control Division. <ul style="list-style-type: none"> (1) The SUBCONTRACTOR shall notify the CONTRACTOR'S Radiological Control Division immediately after they bring radioactive material/radioactive sources onto CONTRACTOR-managed property so a pre-use radiological survey can be performed by the CONTRACTOR. (2) The SUBCONTRACTOR shall notify the CONTRACTOR'S STR prior to removing radioactive material/radioactive sources from CONTRACTOR-managed property so a post-use radiological survey can be performed by the CONTRACTOR. iii) The SUBCONTRACTOR shall provide to the CONTRACTOR'S STR (to be provided to the Radiological Control Division) prior to arriving onsite, a copy of the current applicable radioactive material license (Nuclear Regulatory Commission or applicable state reciprocity) or other approval to the CONTRACTOR'S STR (to be provided to the Radiological Control Division) that gives the SUBCONTRACTOR authority to possess and operate the radioactive source/radioactive material or RGD (copy of current License for Industrial Radiography per 10 CFR 34, "Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations,") along with procedures for operating the device. <ul style="list-style-type: none"> (1) The SUBCONTRACTOR shall have adequate controls, protective measures, and work control documents/procedures/permits as required under their approved radioactive material license (Nuclear Regulatory Commission or applicable state reciprocity) or other approval for all operations associated with SUBCONTRACTOR-owned radioactive material/radioactive sources or RGDs. (2) The SUBCONTRACTOR shall provide current leak test results, training records for RGD Operations, and source certificate/nominal activity sheets to the CONTRACTOR'S STR (to be provided to the Radiological Control Division) prior to the radioactive source arriving on NNSA/NFO-managed property. (3) The SUBCONTRACTOR shall provide special form certificates, Department of Transportation shipping papers, and radioactive source container certifications, to the
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	CONTRACTOR'S STR (to be provided to the Radiological Control Division) upon entry to NNSA/NFO-managed property. (4) The SUBCONTRACTOR shall provide or make arrangements for transportation of radioactive source/radioactive materials in compliance with Department of Transportation regulations. (5) The SUBCONTRACTOR shall have a worker radiation safety plan as specified in 10 CFR 39, "Licenses and Radiation Safety Requirements for Well Logging," including Operating and Emergency procedures and Incident Reporting procedures.
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B-2 TECHNICAL SPECIFICATIONS

SPEC NUMBER	TITLE	REV	PAGES
1	Design Build Technical Requirements Document for New DAF Engineering and Maintenance Facility 06-541 TRD-540-000	0	191
2	Device Assembly Facility (DAF) Engineering and Maintenance Facility 06-541 - Code of Record, Document #03017-COR-01	0	34

B-3 DRAWINGS

DRAWING NUMBER	TITLE	REV	PAGES
1	MSTS NNSS DAF BUILDING 06-540 100% Submittal Set	Sub	25

B-4 PLACE OF PERFORMANCE

1. Delivery Location

Delivery location will be Other: Nevada National Security Site - Area 6 Building 06-541 Mercury, NV 89023

2. Work Location:

Work will be performed at Nevada National Security Site - Area 6 Building 06-541 Mercury, NV 89023 For any work performed on the NNTS site or in an MSTs controlled facility, the provision of the On-Site services shall apply to this subcontract.

3. Site Access and Work Hours

The standard work week for this SUBCONTRACT will be Monday – Thursday 6 am – 4:30 pm with one-half hour designated for unpaid period for lunch.

Work performed outside normal operating hours shall be coordinated and/or approved through the STR and/or the Procurement Representative prior to performing work.

4. Badging

Any on-site work will be coordinated with the STR in accordance with the SOW and site-specific training requirements. The SUBCONTRACTOR shall wear a MSTS issued security badge identifying themselves. A minimum of 14 working days advance notice is needed for site badging. SUBCONTRACTOR employees shall be required to submit to vehicle searches and not personally carry or transport certain prohibited articles.

B-5 CLEARANCE REQUIREMENTS

The following access authorization or clearance requirements are required.

1) Check all that apply:

- ☒ No security clearance; unclassified work
- ☐ DOE L
- ☐ DOE Q
- ☐ HSPD-12 PIV Credential

2) If applicable, add any or all parts of the following statement security qualifications:

- ☐ The SUBCONTRACTOR shall have the ability to obtain a U.S. Department of Energy (DOE) facility security clearance and have personnel capable of obtaining a Q-type or L-type security clearance.
- ☐ Q- or L-type security clearance is required for all SUBCONTRACTOR personnel having access to classified information or special nuclear material when performing such work.
- ☐ A corresponding level of security clearance from another federal agency may be applicable if approved by the MSTS and DOE.
- ☒ N/A

B-6 SPECIAL REQUIREMENTS

1. Qualifications, Licensing, Certifications

In order to determine the SUBCONTRACTOR qualified to perform the scope of work as outlined, the SUBCONTRACTOR must have the following qualifications:

1. Experience - SUBCONTRACTOR shall have the following job experience
 - 1.1. SUBCONTRACTOR shall be regularly commercially engaged in providing products and/or services required herein for a minimum 5 years of experience.
 - 1.2. SUBCONTRACTOR shall demonstrate it has experience in facility construction projects and provide examples comparable to DAF Bldg. 06-541 that your company has completed within the last 3-year period preceding the proposal date.
2. Licenses – SUBCONTRACTOR shall have the following job-specific licenses:
 - 2.1. Not Applicable.
3. Certifications – SUBCONTRACTOR shall have the following job-specific certifications:
 - 3.1. Not Applicable.

In addition to the above, the SUBCONTRACTOR shall provide qualified personnel throughout the period of performance of the Subcontract. SUBCONTRACTOR shall be responsible for ensuring its personnel meet and/or maintain current and valid training requirements, certifications and are fully capable to complete the duties described through the entirety of the Subcontract period of performance.

2. MSTS Provided Training

The SUBCONTRACTOR and its personnel will be required to attend the following site-specific training in the course of this work scope. NOTE site access maybe delayed until training is complete or renewed. The SUBCONTRACTOR shall contact the STR to coordinate scheduling of training. See Section B-4, paragraph 4 Badging.

DESCRIPTION	DURATION	FREQUENCY
General Employee Radiological Training (GERT) (WBT 1E00W585)	0.5 Hour	730 days
NNSS Site Access Safety Orientation (1E00W102)	1.0 Hour	One time only
Initial Security Briefing. DOE O 470.4B, "Safeguards and Security Program" (1S000110) as well as DOE O 470.4B Chg. 3 (Ltd.Chg.)	1.0 Hour	One time only
CONTRACTOR's Lockout/Tagout/Tagging Authority Process (1E00W448)	1.0 Hour	730 days
CONTRACTORS Excavation Penetration Process (Briefing 1E00W752)	0.5 Hour	One time only
Work Location Emergency Response Plan, Including Evacuation Alarm	1.0 Hour	One time only

3. Government Assets

3.1. Use of Government Vehicles

<input checked="" type="checkbox"/>	There is NO anticipated need for any SUBCONTRACTOR employees to use a Government-furnished vehicle in the performance of this SOW. The SUBCONTRACTOR's employees, therefore, are specifically prohibited from driving any Government-furnished vehicles under the performance of this SOW unless this SOW is formally so modified by the parties and the employee(s) will present a valid driver's license to the STR for review.
<input type="checkbox"/>	One or more SUBCONTRACTOR employees will have access to Government-furnished vehicles while performing this SOW.

3.2. Government Property

<input checked="" type="checkbox"/>	Government Property NOT anticipated to be furnished to or acquired by the SUBCONTRACTOR under this SOW.
<input type="checkbox"/>	Pursuant to Federal Acquisition Regulation (FAR) 52.245.1 – Government Property, the following Government-owned property will be furnished to the SUBCONTRACTOR. The SUBCONTRACTOR shall be responsible for managing the Government-Furnished Property (GFP) below and/or Contractor-Acquired Property (CAP) as required in accordance with FAR 52.245-1. A list of the property to be furnished to the SUBCONTRACTOR can be found in Appendix Choose an item, along with any special technical and/or handling instructions.

4. Permits

Except for permits furnished by the MSTS the SUBCONTRACTOR shall, without additional expense to the MSTS be responsible for obtaining any and all necessary licenses and permits.

The MSTS will without cost to the SUBCONTRACTOR, furnish the permits listed below. All such MSTS-furnished permits are available for examination at the project office of MSTS during regular business hours.

[N/A]

The SUBCONTRACTOR shall also be responsible and liable for all materials delivered and Work performed until completion and acceptance of the entire Work, except for any completed unit of Work which may have been accepted under the SUBCONTRACTOR.

5. Quality Assurance (QA)

The work as described has been identified to be.	
<input type="checkbox"/>	<p>SAFETY CLASS/SAFETY SIGNIFICANT SERVICES AND/OR COMMODITIES (NUCLEAR/RADIOLOGICAL)</p> <p>This PO is related to items or services used in support of the nuclear and/or radiological mission(s) of the Nevada National Security Site, therefore:</p> <p>The SUBCONTRACTOR shall implement and maintain a Quality Assurance (QA) program in accordance with at least one the following quality assurance criteria and requirements:</p> <ul style="list-style-type: none"> • ASME NQA-1 (2015) quality assurance requirements for nuclear facility applications • ASME NQA-1 (2008 with 2009 addenda) quality assurance requirements for nuclear facility applications • Equivalent program authorized in writing by the contractor's quality assurance organization <p>In addition, the subcontractor shall be responsible for:</p> <p>Price Anderson Amendments Act (PAAA)</p> <p>The item or service identified in the purchase order agreement is being procured by a contractor to the Department of Energy (DOE)/National Nuclear Security Administration (NNSA). This item or service is intended to be used in the performance of activities that (1) prevent or mitigate radiological or harm to the worker, the public or the environment or (2) provide a healthful and safe workplace for DOE/NNSA contractor personnel. Therefore, the SUBCONTRACTOR is responsible for assuring that the items or services provided under this purchase agreement meet the stated requirements.</p> <p>SUSPECT/COUNTERFEIT ITEMS</p> <p>The SUBCONTRACTOR will take positive measures to ensure that only new, unused equipment/material from acceptable sources is provided under this subcontract. Notwithstanding, any other provisions of this subcontract, should any suspect/counterfeit items or components be found within or on this equipment during contractor receipt inspection, subcontractor shall, at its expense, promptly replace such items or components.</p>
<input checked="" type="checkbox"/>	<p><u>GENERAL SERVICES AND/OR COMMODITIES</u></p> <p>This PO is for items or services that support the mission(s) of the Nevada National Security Site, therefore:</p> <p>SUSPECT/COUNTERFEIT ITEMS REQUIREMENTS:</p> <p>The SUBCONTRACTOR will take positive measures to ensure that only new, unused equipment/material from acceptable sources is provided under this subcontract. Notwithstanding, any other provisions of this subcontract, should any suspect/counterfeit items or components be found within or on this equipment during contractor receipt inspection, subcontractor shall, at its expense, promptly replace such items or components.</p> <p>These requirements shall be flowed down to all levels of subcontractors as it pertains to this procurement activity.</p>

B-7 ENVIRONMENTALLY PREFERABLE PRODUCTS

MSTS is required by the U.S. Department of Energy to purchase Environmentally Preferable Products (EPP)

(also known as green or sustainable purchasing) and are also required to flow those procurement requirements to their SUBCONTRACTOR. When designing materials and/or supplying materials to be used onsite as part of a subcontract SOW, those materials must meet these same requirements.

The following is a list of EPP types that must be used if they are available:

- **Products with Recycled Content.** MSTS supports efforts that reduce or eliminate environmental hazards, conserve environmental resources, minimize life-cycle cost and liabilities. Towards the end, the acquisition cycle is viewed as an important key in understanding what is brought onto the Site as well as identifying what can be reused/recycled. Focus is directed on recycled-content, biobased-content, ozone-depleting substances, and other environmental impacts. Specific additional clauses are included in this solicitation that address potential requirements and preferences based on the nature of the item being considered for purchase.
- **Water Efficient Plumbing Products.** When purchasing commercially available, off-the-shelf water consuming products, products must meet EPA's WaterSense standards (<http://www.epa.gov/watersense>).
- **Non-Toxic or Less Toxic Alternatives**
- **Green Certified Products.** (e.g., Design for Environment, Green Seal)
- **Bio-Based Products.** MSTS will give preference to acquiring Department of Agriculture designated biobased products. For more information to this program, see www.biopreferred.gov.
- **Energy Efficient Products.**
 - EPA Energy Star® When purchasing commercially available, off-the-shelf energy-consuming products, products must be Energy Star rated (www.energystar.gov).
 - Federal Energy Management Program designated products When purchasing commercially available, off-the-shelf energy-consuming products, products must use no more than one watt of standby power as defined and measured by International Electrotechnical Commission (IEC) code 62301 or otherwise met [FEMP specifications](#) for low standby power consumption. If FEMP has not specified a standby power level for a product category, the item shall be the lowest standby power consumption available.
- **Energy Efficient Electronics.** When purchasing the following products, EPEAT ratings will apply:
 - Desktop and Notebook Computers – must meet the EPEAT silver rating or higher
 - Displays, Monitors, Integrated Desktop Computers, Workstation Desktops, Thin Client, Workstation Notebooks, and/or Tablet Notebooks – must meet the EPEAT silver rating or higher
 - Fax Machines, Multifunction Devices, and Printers – must meet the EPEAT bronze rating or higher
 - Copiers and Digital Duplicators – must meet the EPEAT silver rating or higher
- **Reuse of Leased IT Electronic Equipment** In accordance with DOE Order 436.1, Departmental Sustainability, MSTS is striving to reduce or eliminate environmental hazards, conserve environmental resources, minimize life-cycle cost and maximize operational sustainability through the incorporation of electronics stewardship practices thereby minimizing the economic and environmental impacts of managing toxic by-products and hazardous wastes generated in the conduct of site activities. Therefore, MSTS requires that at the end of the lease period, the equipment is to be reused, refurbished, donated, or recycled using environmentally sound management practices.

B-8 MEETINGS

After subcontract award, a Subcontract Kickoff Meeting, is requested, which may be a conference call, an internet meeting, or a meeting to be held at MSTS. The time, date, and agenda for the meeting will be provided to the SUBCONTRACTOR by MSTS.

The SUBCONTRACTOR shall interface with various MSTS (and other) organizations through MSTS' Procurement Representative (or STR for in-scope work), as required, or at points and frequency determined by the Procurement Representative.

MSTS will issue meeting notices and prepare an agenda and minutes for each meeting addressed in this Section. When applicable, minutes will identify action items, assigned actioner, and due dates. The purpose of the meetings is the exchange of work-related information. The person or persons designated by the SUBCONTRACTOR to attend all meetings shall have all required authority to make decisions and commit SUBCONTRACTOR to technical decisions made during meetings.

FREQUENCY	DURATION	TITLE	DESCRIPTION / PURPOSE
Bi-Weekly	1-2 Hours	Integrated Project Team Meeting	Operational Meeting to discuss project status and overall operations of construction.

B-9 SUBMITTALS

Appendix A , *Submittal Register*, identifies deliverables due during the execution of this subcontract and the recipient.

B-10 APPENDIX

APPENDIX NUMBER	TITLE	REV	PAGES
A	Submittal Register	N/A	3

The SUBCONTRACTOR shall meet the required schedule and provide the documents specified in accordance with the following submittals.

**APPENDIX INSERT APPENDIX A
SUBMITTAL REGISTER**

Section A: Purchase Order/Subcontract Information

Subcontractor Name:	TBD	Project Title	New DAF Engineering & Maintenance Facility 06-541
Purchase Order and Release Number:	TBD	Requisition Number:	TBD

Section B: Submittal Delivery Requirement

Submittals shall be electronically, unless otherwise noted, to: Procurement Representative (ADM); Shawna Hamm HAMSL@NV.DOE.GOV and Subcontract Technical Representative (STR); Hervey Regino ReginoH@nv.doe.gov

Section C: Submittal Requirement Details

NO.	TITLE	REFERENCE	DUE DATE / FREQUENCY	REVIEWED BY	COMMENTS
001.	Environmental, Security, Safety, and Health Plan	Exhibit E	No later than 10 calendar days from award/Prior to start of work	ADM STR	Site-Specific Plan Transmittal Letter Only
002.	Safety Data Sheet(s)	Exhibit E	No later than 10 calendar days from award/Prior to start of work	ADM STR	Transmittal Letter Only
003.	Safety and Personnel Report	Exhibit E	Monthly, No later than the 28th day of the new month	ADM STR	Provided using CONTRACTOR Form FRM-1253, "SUBCONTRACTOR Hours" Transmittal Letter Only
004.	Quality Control/Assurance Program	Exhibit E	No later than 10 calendar days from award/Prior to start of work	ADM STR	Transmittal Letter Only
005.	Workplace Substance Abuse Program to include Evidence of Compliance with SUBCONTRACTOR's Workplace Substance Abuse Program	Exhibit E	Annually, based on date of CONTRACTOR acceptance	ADM STR	Provide any changes to the Program and evidence for that year's compliance in accordance with Title 10 Code of Federal Regulations Part 707
006.	Insurance Certificates	Exhibit D	No later than 10 calendar days from award/Prior to start of work	ADM	Transmittal Letter Only

**APPENDIX INSERT APPENDIX A
SUBMITTAL REGISTER**

Section A: Purchase Order/Subcontract Information					
Subcontractor Name: TBD		Project Title New DAF Engineering & Maintenance Facility 06-541			
Purchase Order and Release Number: TBD		Requisition Number: TBD			
Section B: Submittal Delivery Requirement					
Submittals shall be electronically, unless otherwise noted, to: Procurement Representative (ADM); Shawna Hamm HAMSL@NV.DOE.GOV and Subcontract Technical Representative (STR); Hervey Regino ReginoH@nv.doe.gov					
Section C: Submittal Requirement Details					
NO.	TITLE	REFERENCE	DUE DATE / FREQUENCY	REVIEWED BY	COMMENTS
007.	Monthly Total Recordable Incident Rate (TRIR) and Days Away	Exhibit E	On or prior to the 28 th of the month	STR	The SUBCONTRACTOR is required to report all job-related injuries and illnesses, regardless of severity,
008.	Payment/Performance Bonds	Exhibit D	No later than 10 calendar days from date of award	ADM	Prior to the start of Work
009.	Subcontract Schedule	Exhibit D	No later than 10 calendar days from date of award	ADM	Prior to the start of Work
010.	Hazard Communication Program	Exhibit E	No later than 10 calendar days from Notice to Proceed prior to start of Work	ADM STR	Transmittal Letter Only Prior to the start of Work
011.	Collective Bargaining Agreement Letter of Assent	Exhibit D	No later than 10 calendar days from date of award	ADM	Prior to the start of Work
012.	Certified Payrolls	Exhibit D	Weekly by the Subcontractor and all on-site Lower-Tier Subcontractors	ADM	Both paper and electronic copies are required
013.	Schedule of Values	Exhibit G	No later than 10 calendar days from date of award	ADM STR	Prior to the start of Work
014.	Subcontract Release Statement – FRM-2206	Exhibit C Exhibit D	Following completion of work prior to final payment for each Task Order	ADM	SUBCONTRACTOR shall submit a Subcontract Release Statement FRM-2206. The Subcontract Release

**APPENDIX INSERT APPENDIX A
SUBMITTAL REGISTER**

Section A: Purchase Order/Subcontract Information					
Subcontractor Name: TBD		Project Title New DAF Engineering & Maintenance Facility 06-541			
Purchase Order and Release Number: TBD		Requisition Number: TBD			
Section B: Submittal Delivery Requirement					
Submittals shall be electronically, unless otherwise noted, to: Procurement Representative (ADM); Shawna Hamm HAMSL@NV.DOE.GOV and Subcontract Technical Representative (STR); Hervey Regino ReginoH@nv.doe.gov					
Section C: Submittal Requirement Details					
NO.	TITLE	REFERENCE	DUE DATE / FREQUENCY	REVIEWED BY	COMMENTS
					Statement shall include a certification that states the following: "All GOVERNMENT and CONTRACTOR-furnished property has been returned, consumed, delivered or otherwise disposed of as instructed by CONTRACTOR."
015.	SUBCONTRACTOR's Authorized Representative	Exhibit C	Prior to the start of work	ADM	Also, when personnel changes occur