Work Classification Form

If you have any questions about filling out this form, please contact your supervisor or ESH coordinator.

Purchase Requisition Number: 0000366145 *(required)*

Project Title: FEH Optics Lab Construction *(required)*

Project Description:

Install new framing, doors, ceiling, flooring, CSF wall, new power distribution, new light fixtures, new HVAC system, new process piping (with insulation inside the room), controls, leak detection system, fire protection system, cable trays, etc. at FEH cold shell space.

SLAC Point of Contact for this Project: *Cai, Abby (required)*

(click on the picture of a book (next to the checkmark) to bring up a search field - search by last name)

SLAC POC Title: Project Manager

Project ESH Coordinator: LCLS - Marc Weibel, Chris Kupiz, Alyssa Prinz

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Is the Project Green Work?

"Green work" involves low risk technical or administrative activities only such as: performing routine office work, using office supplies, reviewing schematics or specifications, using GPS or Hilti measuring devices, using a microscope, taking photos, performing field verifications or ESH observations, and operating break room appliances.

Work beyond low risk technical or administrative activities is considered **"non-green work"** at SLAC. Examples of non-green work include:

a. Work requiring any permits or plans to control the hazards (e.g. lockout/tagout, hot work permit, confined space entry permit, electrical work plan, elevated work surface plan, etc.).
b. Work involving the use of power tools beyond a cordless screwdriver.
c. Work involving the use of chemicals beyond typical household use for short periods of time (e.g., window cleaner, rubbing alcohol).
d. Work using a step ladder higher than 6 feet or a straight ladder of any length.
e. Work involving activities such as (a) routine service or maintenance of conventional facilities or equipment; (b) machining metal; (c) installing office furniture; (d) aligning lasers; and (e) performing experiments. [Note: These are examples of "yellow work".]
f. Work involving activities such as (a) construction; (b) hoisting/rigging; (c) repairing magnets in BSY; (d) installing shielding support; and (e) building a muon shield. *[Note: These are examples of "red work".]*
g. Work that has the potential to interrupt beam line operations or equivalent science or facilities processes.

Given those considerations:

Should this work be classified as "Green" or "Non-Green"?	○ Green ◉ Non-Green

You have said the work is "non-green".

Non-green work requires a further assessment for the Job Bid and the Safety Coordinator coordination. Please fill out the Assessment section below.

Assessment Section

This section is to be completed by the SLAC project manager, field construction manager, service manager or university technical representative for the project with assistance, as requested, from ES&H. The purpose of this section is twofold; 1) to document the SLAC ES&H assessment for the project while helping to ensure needed ES&H elements are included in the statement of work for the project, and 2) to provide the subcontractor with information on required project-related ES&H documents/records. This information will help the proposers incorporate required elements into their bid. It also provides information the selected subcontractor will need after contract award for the Site-Specific Safety Plan (SSSP) (required for all construction and high-risk service projects) and supports SLAC work planning and control process.

BIO Authorization Number: 26-118
(if this project went through ES&H Building Inspection Office review)

Project Activities and Controls

Activity *(PM/FCM/SM check only those that apply)*	**Plans or Processes Description** *(Proposers factor checked items into bid)*
Note: A check mark in the following boxes indicates that a plan or related documentation will or may be required to support the Site-Specific Safety Plan or work planning and control package for the project. These requirements will be reviewed with the awarded subcontractor. The documents do not have to be provided at the time of this assessment submittal.	
☑ **Construction** - *Any construction project. (See definition below.)*	A completed Safety Qualification Form (SQF) is required and the selected subcontractor will complete a Site-specific Safety Plan. Chapter 42, "Subcontractor Safety" - Construction SQF [pdf]
Definition of Construction: Is the combination of erection, installation, assembly, demolition, or fabrication activities involved to create a new facility or to alter, add to, rehabilitate, dismantle, or remove an existing facility. It also includes the alteration and repair (including dredging, excavating, and painting) of buildings, structures, or other real property, as well as any construction, demolition, and excavation activities conducted as part of environmental restoration or remediation efforts.	
☐ **High Risk Service** – *Any high risk service project. (See definition below.)*	A completed Safety Qualification Form (SQF) is required and the selected subcontractor will complete a Site-specific Safety Plan. Chapter 42, "Subcontractor Safety" - Service SQF [pdf]
Definition of High Risk Service: Non-construction work that could include specialized activities like servicing elevators, environmental remediation, or tree trimming or involve high complexity, multiple work groups and/or long duration	

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☐ **Demolition**	The selected subcontractor may need to submit a demolition plan. **Note:** The BAAQMD needs to be notified of demolition/renovation of load bearing structural members. For more information see Chapter 30, "Air Quality", Asbestos Notification Procedure.
☐ **Traffic Control** - *Flaggers / lane closure or access to restricted areas*	The selected subcontractor may need to submit a traffic control plan.
☐ **Environmental Protection / Spills & Releases** - *Protection from spills and releases*	The selected subcontractor may need to describe anticipated and associated controls, and response procedures to be used in the event of a spill/release to the environment. Chapter 16, "Spills"
☐ **Stormwater Protection** - *Protection of storm water, surface water, and storm drains*	The selected subcontractor may need to submit stormwater best management practices including stormwater catch basin and stockpile protection, erosion control measures, and housekeeping practices. Chapter 26, "Stormwater" Chapter 43, "Industrial Wastewater"
☐ **Dust Control** - *Sheet rock, soil, asbestos, lead, etc.*	The selected subcontractor may need to provide a description of how dust will be controlled, type of dusts and any planned monitoring. Chapter 27, "Asbestos" Chapter 20, "Lead Safety"
☐ **Barricades / Signage** - *Lasers, asbestos, danger / caution tape, fencing, hole and wall openings, trenches*	The selected subcontractor may need to provide a description of planned signage and posting locations.
☐ **Material / Equipment Staging** - *Materials and contractor vehicles*	The selected subcontractor may need to provide a description of the materials or equipment delivered and/or staged with a diagram identifying locations.
☐ **Waste Management / Disposal / Recycling** - *All waste including general construction and demolition debris, recyclable non-hazardous materials, contaminated, mixed, hazardous or radioactive wastes*	The selected subcontractor may need to provide a description of the tasks that will generate waste, a list of wastes generated and the location and size of debris boxes/recycling containers, etc., and/or a description of how waste will be managed. For more information see Chapter 17, "Hazardous Waste" and/or Chapter 9, "Radiological Safety"
☑ **Electrical Work Plan**	The selected subcontractor may need to provide an Electrical Work Plan or Job Safety Analysis for work on electrical equipment. Chapter 8, "Electrical" and/or Chapter 2, "Work Planning and Control"
☑ **Control of Hazardous Energy** - *Radiation controls: shielding, monitoring; lock out/tag out: electrical, chemical, pneumatic, pressure, thermal, mechanical*	The selected subcontractor may need to identify the types of hazardous energy and provide a description of how they will be controlled throughout the project. Identify any special monitoring or equipment that will be used. Chapter 51, "Control of Hazardous Energy"
☑ **Fire Protection / Prevention** - *Building fire systems coordination, hot work, general construction, storage of flammable materials*	The selected subcontractor may need to list any fire system impairment needed for this project. Describe activities requiring hot work permits. List any combustible or flammable materials used and describe how they will be managed. Chapter 12, "Fire and Life Safety" Chapter 37, "Emergency Management"

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☐ **Hoisting and Rigging –** *Some ordinary lifts and all critical lifts require a documented plan.*	The selected subcontractor may need to provide a lift (hoisting and rigging) plan. Chapter 41, "Hoisting and Rigging"
☐ **Work at Elevations –** *Roof work, climbing onto or working from unprotected elevated work locations e.g., top of tanks, transformers.*	The selected subcontractor may need to provide an elevated work surface plan for work on roof surfaces within six feet of edge and work platforms more than six feet above a lower level without passive fixed barrier such as conforming guardrails or protective parapet. Chapter 45, "Fall Protection" Chapter 15, "Ladder Safety"
☐ **Portable Engines –** *Some gasoline and diesel powered equipment needs to be registered with CARB*	For every portable diesel-powered engine rated at or above 50hp, vendor needs to provide to the AQPM a copy of the registration for the state Portable Equipment Registration Program (PERP). Subcontractor must log and report monthly operating hours and fuel dispensed or consumed for each piece of equipment. Chapter 30, "Air Quality"
☐ **Lasers –** *Activities involving class 2, 3a or 3R lasers require administrative procedures. All activities with class 3B or 4 lasers require approval of the SLAC LSO or designee*	Unattended operation is not allowed for class 2, 3a or 3R lasers. For class 3B or 4 lasers, a job safety analysis (JSA) with a description of lasers used and their classification, engineering and administrative controls and PPE requirements must be documented in a job safety analysis (JSA) along with a SSSP. Chapter 10, "Laser Safety"
☐ **Excavation** – *the SLAC Excavation Safety Program applies if:* • *An excavation is one foot or more in depth* • *Power tools will be used* • *Utilities are identified* • *Any hazardous condition is likely to be encountered*	The selected subcontractor will be required to obtain a SLAC excavation permit and have an excavation competent person present as required by OSHA and SLAC's Excavation Safety Program. See the "Radiological Controls" section below for additional excavation-related requirements.

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☐ **Radiological Controls -** *Projects involving any of the following activities:* a. *New or modified radiation protection shielding, PPS, BCS, or BSOICs* b. *Working on or around controlled areas, radiologically controlled areas, or radiological areas (radiation, high radiation, or contamination areas)* c. *Using radiation generating devices (including soil density gauges used for soil compaction test)* d. *Working on or with radioactive materials (including radiation sources, or naturally occurring radioactive materials such as thorium welding rods or sand blasting media)* e. *If excavation is within 25 lateral feet of an underground beam line housing*	The selected subcontractor may need to provide documentation showing that adequate radiological controls are in place. The SLAC Radiological Control Manual (RCM) [pdf] contains information about these requirements. Open the pdf, use Ctrl-F for the search function, then enter the specific Articles referenced below. a. SLAC RCM Article 364: Additional review may be required and the selected subcontractor will need to provide a description of the tasks to be performed b. SLAC RCM Articles 331-337 c. Pre-authorization of any radiation-generating devices such as a soil density gauge is required before bringing the device onto SLAC property. RGD Program Manual (FO#35) [pdf] *(internal SLAC document - ask for access if required)*, RCM Article 365 d. SLAC RCM Articles 415,431, RP Terms and Conditions e. Excavation permit [pdf]
☐ **Hazardous Materials -** *Solid, liquid, and gaseous hazardous materials used on the project must be identified.*	The selected subcontractor will need to have access to Material Safety Data Sheets for all hazardous materials used on the project. Chapter 40, "Hazardous Materials"
☐ **Equipment** - *large equipment*	The SLAC Program Manager should list any large equipment (e.g., forklift, boom lift, backhoe, crane) you believe will be needed to support this project.
☐ **Other** – *List any other task or controls that should be addressed in the Work Planning and Control documents (e.g. SSP, JSA).*	

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Training and Qualification

– *Identify applicable activities/training that will require training/qualification records.*

SLAC Training

Activity or Training *(PM/FCM/SM select only those that apply)*	**Required Records** *(Proposers factor selected items into bid)*
Note: A selection indicates that one or more subcontractor staff will need to complete this SLAC Training. Proposers should discuss training requirements and expectations during the pre-proposal walk and factor that information into their proposal.	
◯ SLAC EOESH – ES&H Employee Orientation Training	

◉ SLAC Course 375 – Construction Safety Orientation Training	
☑ SLAC Course 115 – GERT	Training (1-hour web based course)
☐ SLAC Course 116 – Radiological Worker I Training	Training (2-hour web based course)
☐ SLAC Course 116 PRA – Radiological Worker I Practical	Training (30 minute instructor-led course)

Note: A check mark indicates that one or more subcontractor staff will need to have evidence of training/qualification or medical evaluation. If there are questions, proposers should discuss training requirements and expectations during the pre-proposal (bid) walk.

Other ES&H Training

Activity or Training *(PM/FCM/SM check only those that apply)*	**Required Records** *(The selected subcontractor will need to provide records on checked items)*
Note: A check mark indicates that the selected subcontractor will be required to provide training or related records for those performing related activities.	
☐ Scissor/Boom Lift Operator	Training
☐ Fork Lift Operator	Training
☐ Crane Operator	NCCCO or IOE certification, medical release
☐ Permit Required Confined Space Entry	Training (entrants, attendants and entry supervisors)
☐ Excavation Competent Person	Training and Qualification
☐ Fall Protection	Training
☐ Fall Protection Competent Person	Training and Qualification
☐ Explosive-Actuated Fastening Tool Operation	Training
☐ Heat Illness Prevention	Training
☐ Hazwoper	Training and medical release
☐ CPR/First Aid	Training
☑ Electrician – California Certified Journeyman	Certification
☐ Electrical Worker Training	Evidence of compliance with training requirements in NFPA 70E section 110.6 or OSHA 1910.332 (b)(1).
☑ Control of Hazardous Energy (LOTO)	Training
☐ Respiratory Protection	Training, medical release and record of respirator fit test
☐ Laser Worker Safety (Class 3b and 4)	Training, medical release
☐ Laser Operator Training (Class 2 and 3a and 3R)	Training

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☐ Scaffolding	Training for users, competent, qualified persons, and erectors/dismantlers
☐ Scaffolding Competent Person	Training and Qualification
☐ Asbestos Worker	Training
☑ OSHA 30-hour Construction Safety	Training for all superintendents, foreman, and safety representatives.
☐ Other (please describe)	

Important! Print this Classification for your records before submitting it.
[Ctrl-P to Print]

By entering your name here, you are verifying that the above information is true and correct to the best of your knowledge. (Electronic Signature)

Name: Abby Cai *(required)*
(Enter your full name - this is not a look-up field)

Date: 6/4/2026

Do not write below this line - ESH use only

Assigned Buyer:

ESH Coordinator has reviewed: ☑ **Date Reviewed:** 6/15/2026

ESH Coordinator Name (Electronic Signature): Marc Weibel

ESH Notes:

Added CoHE as an activity, and also added GERT training since work will be in FEH which is a Controlled Area for radiological purposes.

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