



Recent Completed Scopes – Success Stories/Lessons Learned

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About Me

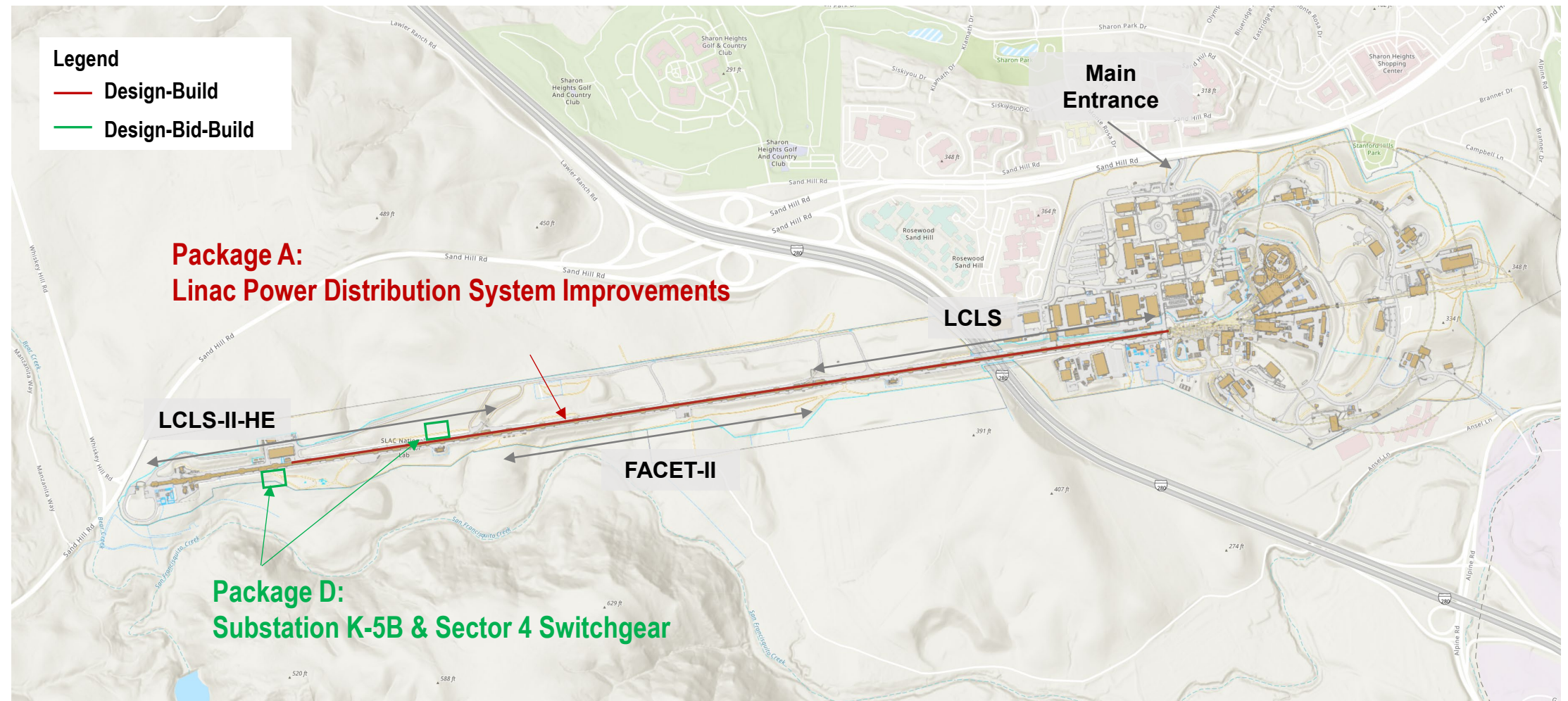


Jase Perez

Project Manager II

- Joined SLAC 2020
- SLAC Project Manager since 2021
 - LCLS-II, LCLS-II-HE Linac and Photon Infrastructure, CUIR

Executed Scopes

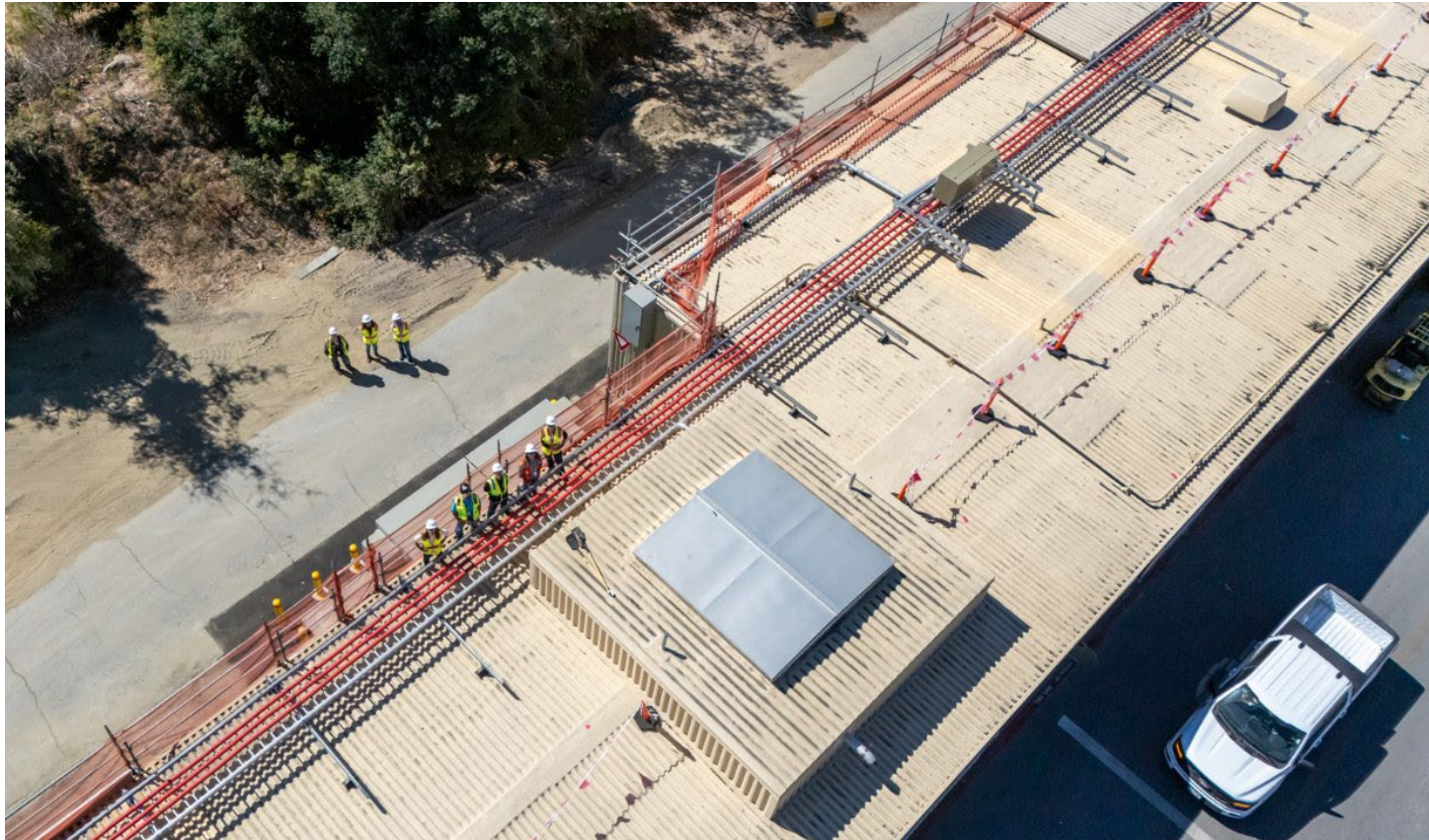


Pkg A – LINAC Power Distribution Systems Improvement

Design-Build

Scope:

- Roof-mounted cable trays on south side of gallery
- Reconfiguration of existing Substations
- Connection of CUIR1-4 at MSS
- Connection of CUIR1&2 to Cryoplant
- Connection of CUIR3&4 to Substations



Pkg A – LINAC Power Distribution Systems Improvement



Pkg D – Sector 04 Switchgear & Sector 09 K5B Substation

Design-Bid-Build

Sector 04 Switchgear Scope:

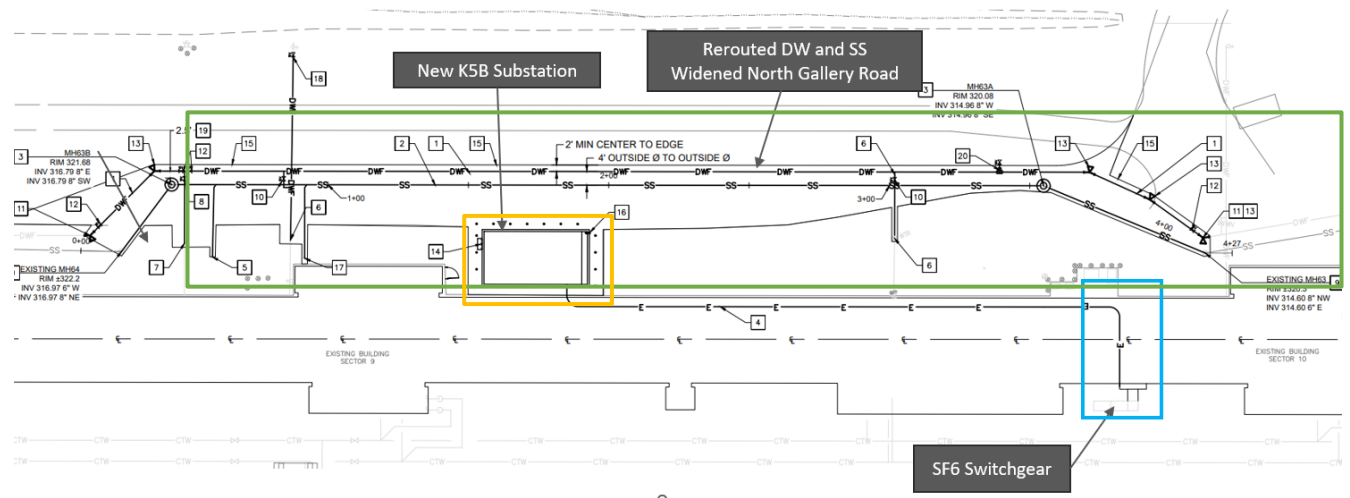
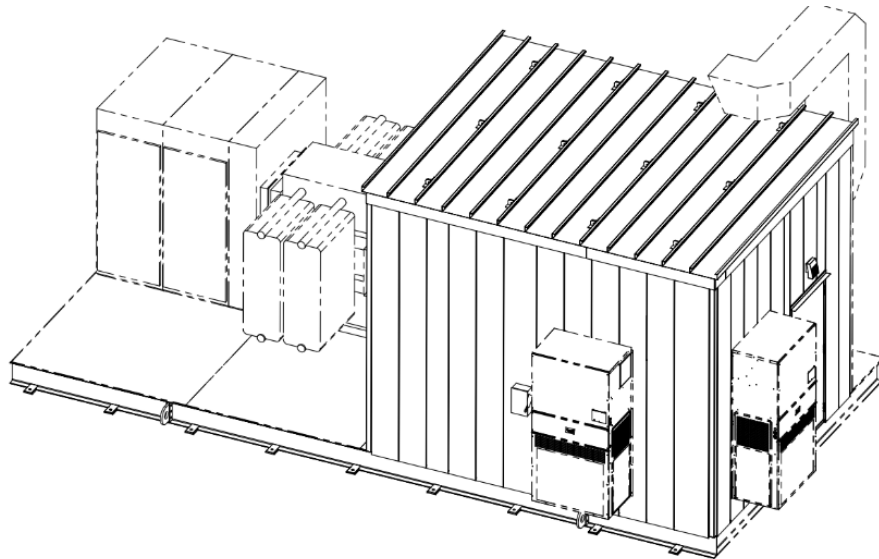
- Installation of government-furnished switchgear
- Reconfiguration of existing manholes



Pkg D – Sector 04 Switchgear & Sector 09 K5B Substation

Sector 09 K5B Substation Scope:

- Reconfiguration of existing MHE-05 and SFS6 SG
- Utilities reroute (SD, SS, DW)
- Installation of government-furnished substation



Pkg D – Sector 04 Switchgear & Sector 09 K5B Substation

Sector 09 K5B Substation



Challenges

Package A

● Radiation Protection Controls & Boundary Requirements

- Supplemental dosimeter required

● Roof Access & Work-at-Height Constraints

● Roof Penetrations

- Water intrusion during construction

Package D

● Unforeseen Existing Conditions

● Government Furnished Property Coordination

Shared Challenges

● Power Outage Coordination Window

● Road Closure Coordination

● Soil Manifest Approval & Off-Haul Operations

Success Stories

Package A

- Advanced future electrical tie ins during power outage



Package D

- Energization of Switchgear
- Advanced demolition and civil work

Shared

- Safe execution of outage-dependent scope
- Early procurement of government-furnished property



Lessons Learned

Package A

- Scaffold/stair tower for fall protection and roof access

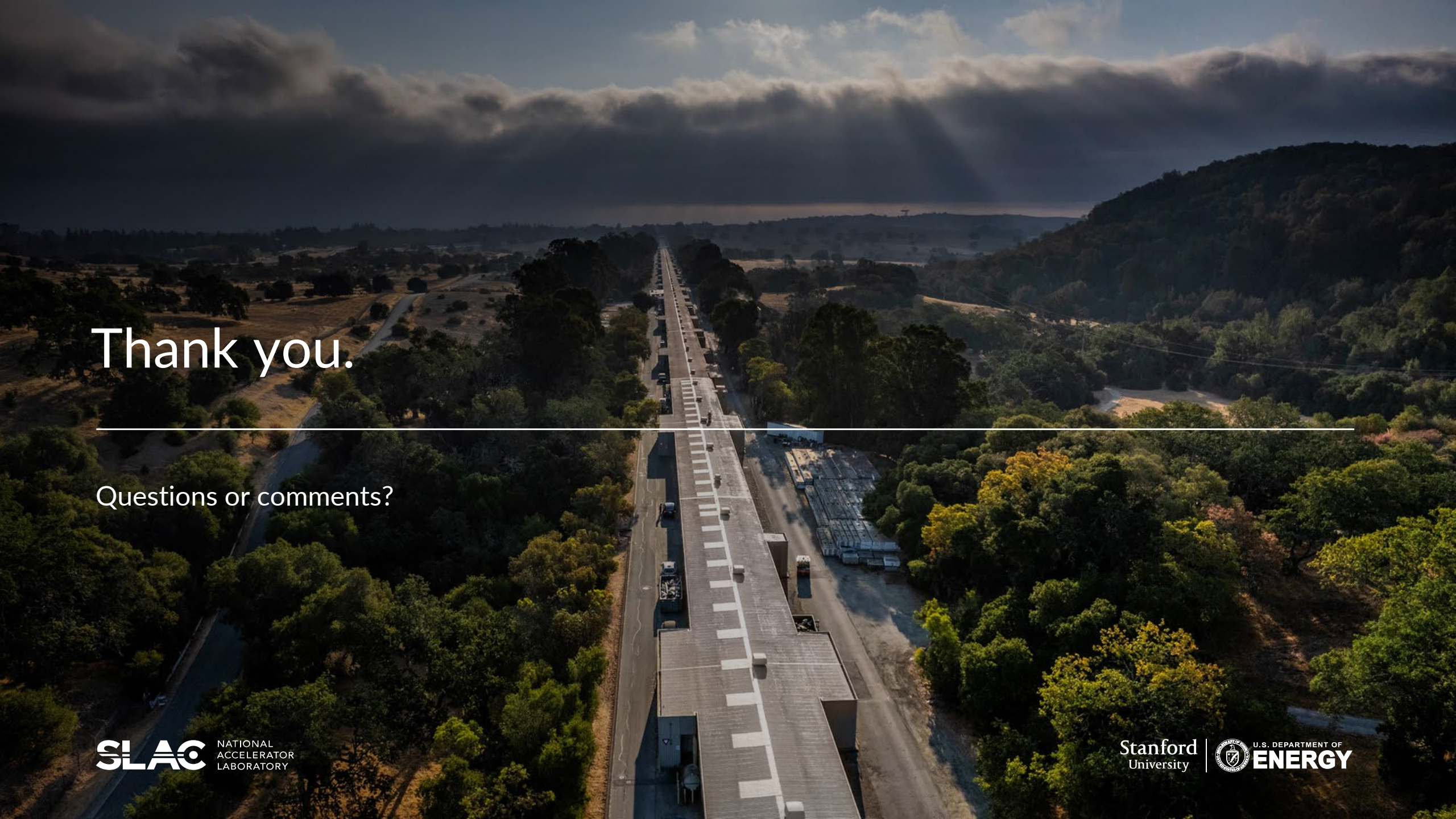
Package D

- Close coordination with EOR and GC

Shared

- Early Communication
- Excavation Permit processing
 - Radiological Controls
- Soil Manifest and Off-Haul
 - Update requirements and process
- Collaboration Road Closures

Summer accomplishments and lessons learned have established the foundation for future execution, demonstrating both our growing capabilities and collaborative strength of our team.

An aerial photograph of the SLAC National Accelerator Laboratory. A long, straight, light-colored building with a series of white rectangular panels on its roof runs vertically through the center of the image. The building is flanked by dense green trees and vegetation. In the background, a body of water is visible under a dramatic sky with dark, heavy clouds and a bright light source creating rays of light. The overall scene is a mix of natural landscape and industrial infrastructure.

Thank you.

Questions or comments?