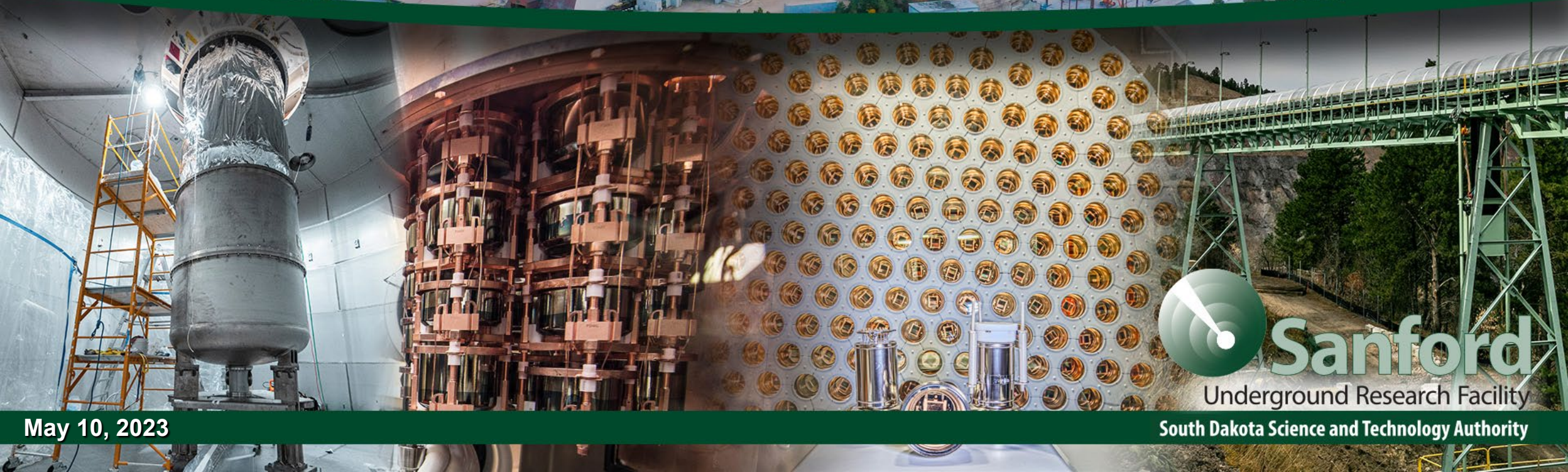


SURF and the Rock Handling System

William McElroy
SDSTA
Deputy Director for Operations



May 10, 2023

 **Sanford**
Underground Research Facility
South Dakota Science and Technology Authority

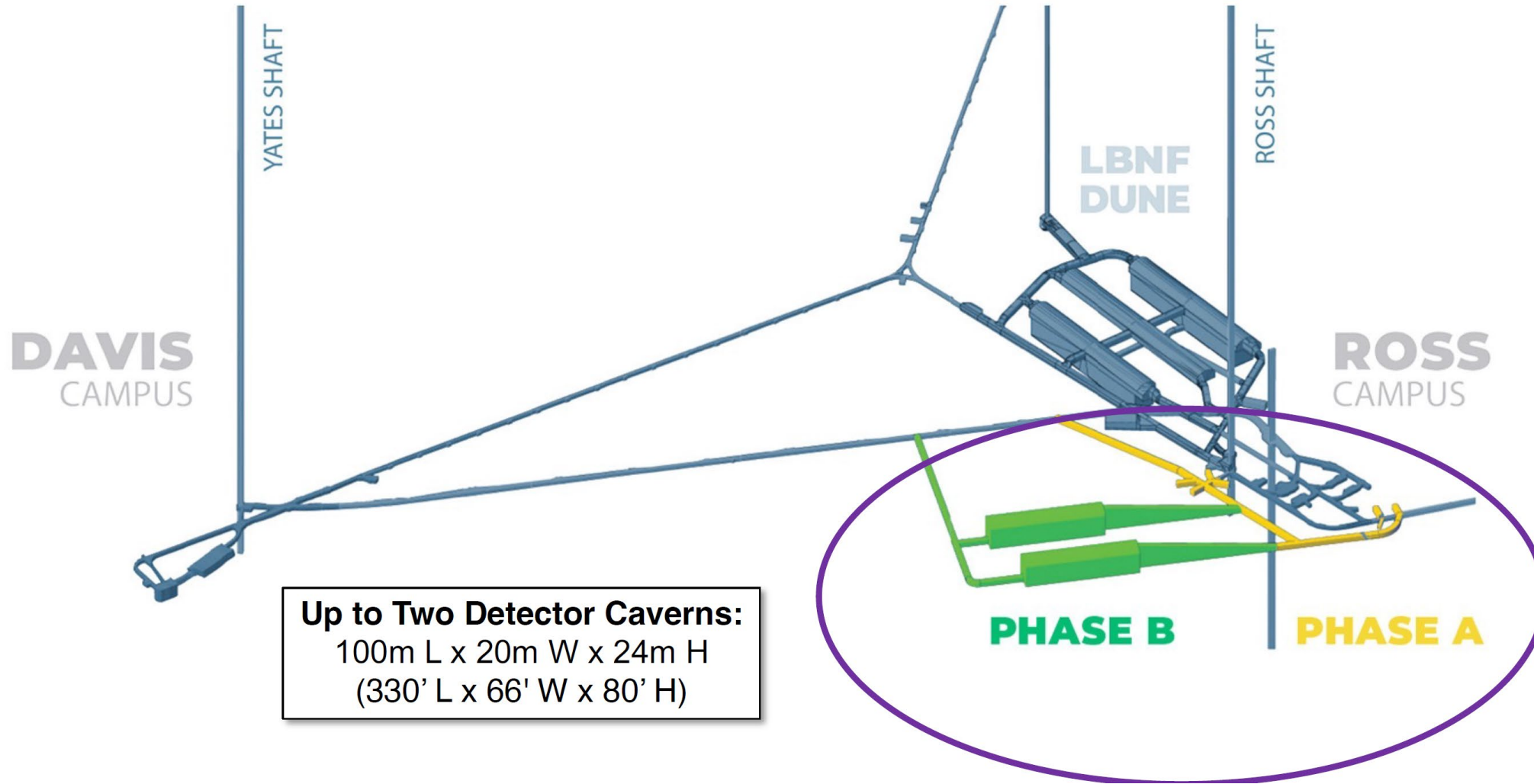
William McElroy – Deputy Director for Operations

- Employed by the South Dakota Science and Technology Authority (SDSTA) for 10+ years
 - Project Manager (PM) for Davis Campus excavation and fit out
 - PM for Ross Shaft rehabilitation from inception to 3500L construction
 - Director of Underground Access
 - Currently serving as Deputy Director for Operations
 - Responsible for Hoist and Shafts, Underground/Surface Operations, Engineering, IT and QA/QC
- Executive Leadership experience with public and privately funded projects, and volunteer organizations
 - President of Ainsworth-Benning Construction, A Journey Group company for 4 years
 - 10-year contract employee for Science Applications International Corp, Raytheon & Stinger Graffarian Technologies (aerospace contractor to the U.S. Geological Survey)
- Certified as a Project Management Professional (PMP)

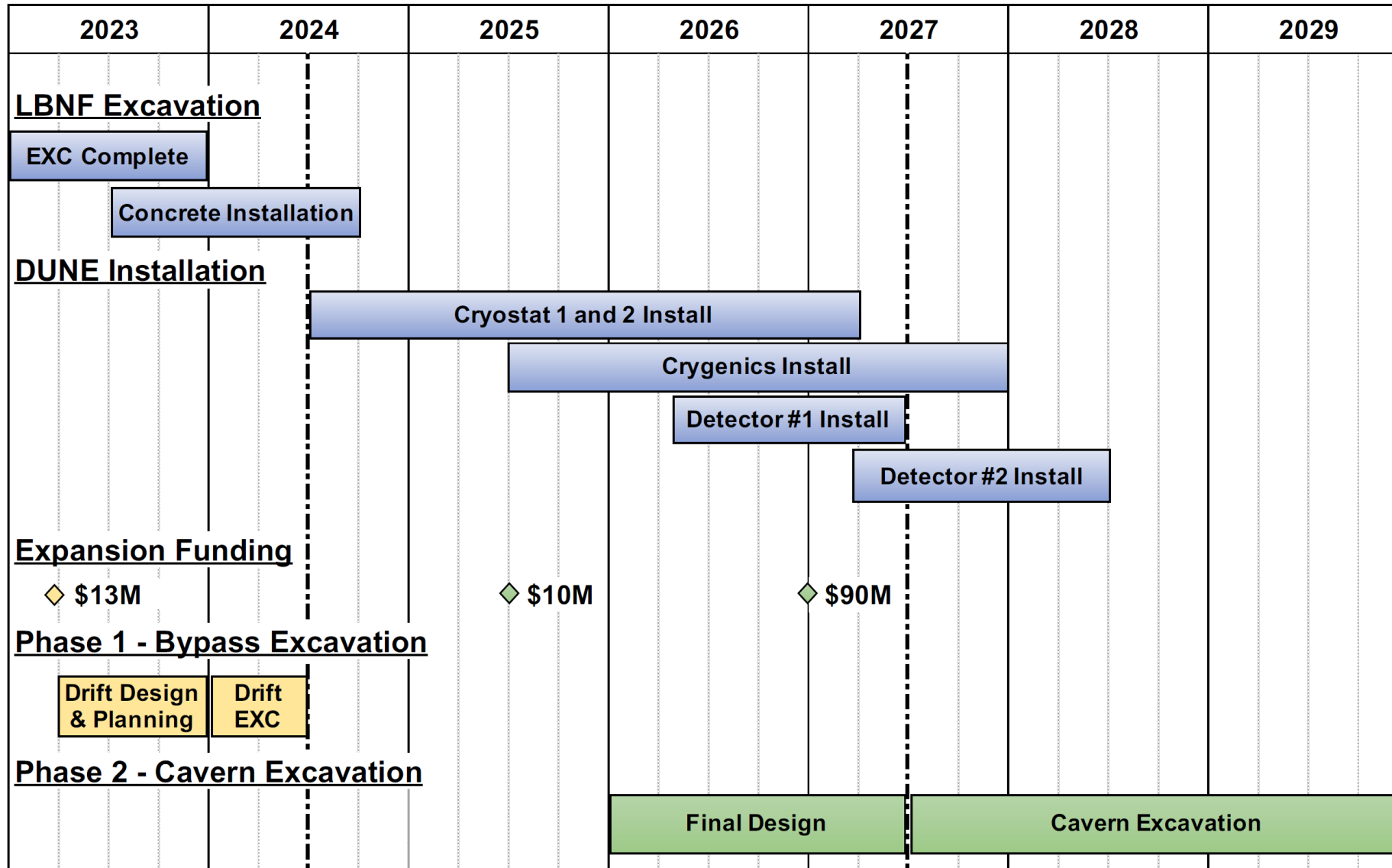
The Rock Handling System and SURF's Future Expansion

- The SDSTA's focus is to support LBNF/DUNE excavation and construction as well as current active science
 - Infrastructure
 - Logistics
- The SDSTA was successful in garnering \$13M from the State of SD for a pilot drift to support future expansion
 - Excavation of the pilot drift must not impede LBNF/DUNE excavation and construction
 - The SDSTA is in early negotiations with TMI on the excavation of the pilot drift concentrating on scope and schedule
 - Waste rock for the pilot drift is planned to remain UG
 - The SDSTA will coordinate with Fermilab on the long-term use of the rock handling system
 - We expect to have more details to provide in late 2023

The Rock Handling System and SURF's Future Expansion



The Rock Handling System and SURF's Future Expansion



Thank you!

- Questions?