ReViTALization Plan
LaRC has a major 20-year revitalization strategy which includes new, state-of-the-art facilities; renovation of critical infrastructure; and demolition of non-essential assets all of which enable LaRC to respond to the strategic and infrastructure challenges of the Agency. The overarching goal of this plan is to sustain or enhance the Center’s core capabilities through repair-by-replacement or rehabilitating existing buildings based on a credible business case. The goals included reducing the footprint of the Center, incorporating a healthy, pedestrian-friendly environment similar to a college campus, and transforming the remaining infrastructure to be energy efficient, sustainable, and adaptable to changing mission and societal needs. These goals are fundamental to ensuring Langley remains a critical research and development Center for NASA and the Nation well into the 21st Century.

Major Projects:
- Langley Headquarters Building—Completed
- Integrated Engineering Services Building—Completed
- Computational Research Facility—Completed
- Safety-Critical Avionics Laboratory—Completed
- Measurement Systems Laboratory—In Progress
- Intelligent Flight Systems Laboratory

Construction Progress: Measurement Systems Laboratory (MSL) - May 2019
Curtain wall installation at the northeast side of tower (shown below) and metal and terracotta panel installation on north and south façades have made much progress this month. Installation of sunshades and pressure plates are making progress. Some of this month’s completed work include the finished welding activities for the hand railing at Stair 2 and the installation of the underground Perma-Pipe and related tunnel. The installation of the WISE3R chamber doors is nearing completion and the construction of clean room ceilings and walls is underway. At the penthouse and tower area, the hydronic piping systems continued with insulation activities. There has been ongoing ductwork at the penthouse.

The installation of equipment to support the cabs for two passenger elevators are progressing. Crews continued installing ceiling grids, overhead electric, lighting fixtures and cable lines. At the end of May, contractors began activities for the terrazzo flooring. At this time, the MSL construction is approximately 78% completed.

Photo Above:
Curtain wall installation at the tower stairwell in progress. View shows the northeast side of tower.

Photo Above:
Roof activities in progress on the tower and linkway. View is looking south. Air barrier on tower façade is complete and crews are preparing to install the metal panels at the upper areas.

Continued on page 2
Construction Overview-MSL Project  Continued from page 1

Construction Activities: May 2019 - continued

Photo Above: WISE3R chamber doors installation is ongoing and nearing completion.

Photo Above: Installation completed for the condensate flash tank.

Photo Above: Ongoing insulation and ductwork in the penthouse.

Photo Above: Completion of welding the hand railing in Stairwell 2.

Photo Above: This is the access door to the clean room. Installation of clean room ceilings and walls is underway.

Photo Above: Progress with installing overhead power outlets/receptacles in support of lab equipment for Lab L428.

Photo Above: Ongoing progress with two passenger elevators. Crews are installing support and equipment for cabs to be installed later.

Photo Above: Progress with installing the ceiling grid, cabling and sunshades on the 4th floor. Open office area is shown at right and entry doors to labs on the left.

Continued on page 3
Construction Activities: May 2019 - continued

Photo Left:
This is the east curtain wall. Temporary plastic shown around windows is from the internal water testing successfully completed at 6 locations from May 23-24.

Photo Above:
Installation of terracotta panels and integrated louvers. This is showing the south side of the penthouse exterior wall.

Photo Left:
Ongoing installation progress with plumbing and insulation at the restrooms located in the tower.

Photo Above:
Installation of terracotta panels and integrated louvers. This is showing the south side of the penthouse exterior wall.

Photo Right:
Ongoing progress with the metal and terracotta panel installation at the southwest façade.

If you have any questions or concerns about the project, please contact Tim Hall at Timothy.J.Hall@nasa.gov or your supervisor.

Activities Coming in June 2019
- Ongoing exterior metal panels and terracotta panels on façade.
- Ongoing interior metal stud, door framing and drywall activities.
- Ongoing duct work activities and sprinkler systems.
- Ongoing overhead mechanical, engineering, plumbing (MEP) activities and installation of cable lines.
- Ongoing installation of lighting for labs on 3rd floor.
- Ongoing progress on the freight and passenger elevator shafts.
- Ongoing installation of hard ceilings and acoustic grid ceilings.
- Ongoing construction of clean rooms and WISE3R.
- Ongoing process for the terrazzo flooring.
- Infill the precast steam tunnel.
- Mid-June: Begin hardscape and concrete work between MSL and B1268.

MSL Construction Overview Schedule
Notice to Proceed Issued to W.M. Jordan Company 2/13/17
Construction Start: 2/14/17
Substantial Completion: Fall 2019

MSL Team
NASA LaRC
GSA Mid-Atlantic Region
AECOM Architectural / Engineer of Record
Hill International, Inc. Construction Management
W.M. Jordan Company General Contractor
GovSolutions, Inc. Furniture, Fixtures & Equipment