SHC, LPCH and SoM have identified the following objectives for the Stanford Medical Center Renewal and Replacement Project. The objectives are divided into three categories for consideration: Program, Siting, Circulation, and Cost Objectives. The Program objectives are further sub-divided by entity (SHC, LPCH and SoM).

**Program Objectives**

**SHC and LPCH**

- Optimize delivery of healthcare and services to patients.

- Maintain each hospital’s position as a leading provider of complex care

- Achieve timely compliance with the requirements of Senate Bill 1953 and other applicable code requirements
  - Replace the 1959 SHC hospital building, comprising 188 beds, in its entirety
  - Meet SB 1953’s 2013 non-structural criteria for all 66 intensive care beds at SHC, the emergency department, and the 21 operating rooms at SHC in the most efficient manner
  - Complete required non-structural renovations to critical areas at LPCH
  - Provide sufficient space for patients and families during construction of required renovations or replacements
  - Meet SB 1953’s 2030 criteria in the most efficient manner
  - Design new facilities to comply with applicable ventilation and structural requirements

- Meet existing and projected future demand for patient care
  - Relieve the existing shortages of beds at SHC and LPCH
  - Provide additional patient rooms and facilities at SHC to meet the projected needs of an aging population
  - Provide additional patient rooms and facilities at LPCH to meet projected growing demand for LPCH services
  - Size the emergency department to provide adequate patient waiting and triage space, and trauma rooms consistent with contemporary facility standards
  - Meet existing and projected demand for clinic and other outpatient services that are important to the core academic and translational discovery process, or that otherwise should remain co-located with inpatient services
  - Provide sufficient space to replace and accommodate increased space for medical offices and support services associated with existing and projected future growth in need for patient services
• Provide modern, state-of-the-art facilities, designed to deliver high quality health care services and related teaching and research
  o Size facilities to accommodate advanced medical services, state-of-the-art imaging, modern diagnostic and other medical equipment, and to provide sufficient space for high quality patient care and associated support services
  o Design facilities to enhance the comfort and healing of patients and the productive care-giving and general welfare of staff and visitors.
  o Meet current hospital planning guidelines by providing all admitted patients with single-bed rooms, including adequate space for treatment by health care providers, equipment and support by family members
  o Minimize the distance of travel from procedure room to patient room
  o Provide a safe, secure and efficient route from operating rooms or the emergency department to patient rooms
  o Minimize patients’ risk of infection

• Meet regional needs for emergency and disaster preparedness
  o Design facilities to take into account needs identified in the region’s Disaster Preparedness Program, such as the ability to quickly add or convert beds and procedure rooms to manage critically injured patients for mass population events such as earthquakes, pandemics (influenza), or man-made biological/chemical exposure (bioterrorism, etc)
  o Design facilities to maintain and further SUMC’s role as Level 1 Trauma Center for daily and extreme-disaster healthcare delivery

• Maintain relationships with community physicians
  o Identify replacement space for community physicians who must relocate their medical offices to accommodate demolition of facilities due to the SUMC Replacement and Renewal Project

• Provide responsible and sustainable design for the hospitals’ operational systems, water systems, and use of physical materials, while meeting applicable requirements and hospital planning principles, including those applicable to infection control and patient safety

• Allow sufficient design and entitlement flexibility to be able to adapt to changes in healthcare needs, changes in technology, and changes in delivery practices

SoM

• Optimize the School of Medicine’s ability to translate medical research discoveries into and treatments and cures

• Replace outmoded research buildings with state-of-the-art research facilities to support contemporary translational research
  o Design facilities to comply with code requirements for strong and reliable fire separations
Design research facilities to efficiently meet current building requirements, including those pertaining to: seismic safety; heating, ventilation, and air conditioning; mechanical, electrical and plumbing (MEP) systems; and provision of emergency power.

- Design circulation and access to laboratories and offices to enhance handicapped accessibility, and to allow for safe and efficient access to a diverse array of laboratory and support functions.
- Employ best available design techniques to provide for efficient, high quality facilities.

- Provide sufficient faculty offices, research laboratories, and administrative support space to meet the School of Medicine’s projected needs.
- Provide responsible and sustainable design for the School of Medicine’s systems, water systems, and use of physical materials, consistent with Stanford University’s existing sustainability practices.
- Allow sufficient design and entitlement flexibility to be able to adapt to changes in medical research needs and changes in technology.

**Siting Objectives**

- Site facilities to maximize highest and best use of SUMC and SU lands.
- Site SHC and LPCH facilities to efficiently use a single, shared emergency department.
- Locate patient beds, emergency department, and SoM facilities in close proximity to each other to maintain and enhance program synergies.
- Locate outpatient healthcare facilities that are important to the core academic and translational discovery process in close proximity to inpatient facilities.
- Site parking facilities for patients and visitors to provide clear, safe and convenient access to SUMC facilities, with sensitivity to the needs of elderly, limited mobility, and ill patients.
- Site parking facilities for staff with consideration of safe paths of travel after dark.
- Locate new clinical, medical office, and support facilities for hospital staff and community physicians within reasonably close proximity to SHC and LPCH facilities.
- Optimize departmental adjacencies that ensure the healthcare facilities are clinically safe environments, promote safe and efficient patient flow and provide access to state-of-the-art technology.
• Use the existing SUMC sites in Palo Alto for all components of the proposed project

• Arrange the buildings, open space areas and infrastructure within the project boundaries to create a highly functional medical center environment

Circulation and Parking Objectives

• Provide clear, safe and convenient access to SUMC facilities for patients and visitors

• Provide efficient access to SUMC for health care providers and staff

• Provide sufficient convenient parking for patients, visitors, healthcare providers and staff, with sensitivity to the needs of elderly, limited mobility, and ill patients.

• Enhance the pedestrian and bicycle connections within and between the SUMC, the Stanford Shopping Center, the Palo Alto Transit Center, and nearby open space areas

• Provide improved wayfinding to minimize unnecessary circulation

Cost Objectives

• Select methods of construction to minimize the initial cost to the greatest extent feasible while producing facilities that are cost effective to operate over the long term