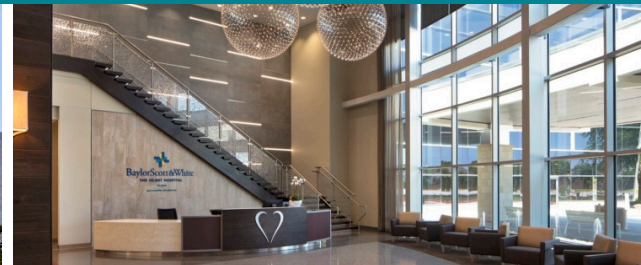


# BAYLOR SCOTT & WHITE THE HEART HOSPITAL PLANO

Plano, Texas



## PROJECT DESCRIPTION

While with RLG, Kristina F. Geisler-Nordholm provided civil, structural, surveying, and strengthening engineering services for the expansion which was completed in June 2018. Renovations were completed in February 2019.

As a part of the expansion, a portion of the existing structure was demolished including the removal of a three-story 260-car parking garage, which was converted into a 5-story tower. Additionally, the demo included the existing kitchen/dining area with a curved sloping roof that extended into a section of the existing building that was not going to be demolished. The demolition area was adjacent to a medical lab and one of the operating rooms – both essential functions of the hospital that could not be closed for an extended period of time. To combat impacting operations of the medical lab or operating room, RLG worked closely with MEDCO Construction to facilitate a 9-step process for the demolition. This process helped shave 4 weeks off of the construction schedule, allowing the medical lab and operating room to reopen within 3 months.

The new structure is a one-way slab and beam pan system. The new addition and partial demolition required some strengthening of adjacent spans of the existing structure due to redistribution of the loads. RLG's team of structural engineers designed FRP strengthening to be installed, primarily in the crawlspace, and completed the inspections for the installed FRP.

RLG's team of civil engineers abandoned the existing onsite storm sewer site and designed a new redundant drainage system to be constructed under the proposed addition, coupled with the relocation of the campus' utilities and drains. RLG also worked to secure a zoning amendment, replatting, and site plan approval for this project. Due to the time constraints of this project RLG expedited the site utility package and zoning amendments to keep the construction schedule on time.

## COMPLETION DATE

2017

## PROJECT SIZE

165,000 sf

## SERVICES

Structural Engineering  
Forensic Engineering

## ARCHITECT

e4H Architecture

## GENERAL CONTRACTOR

MEDCO Construction