



# UTMB LEAGUE CITY HOSPITAL EXPANSION

Houston, Texas

Electrical Construction



**Owner**

UTMB Health

**Contract Type**

Electrical Construction

**Contract Amount**

\$8,670,000

**General Contractor**

Hensel Phelps Construction

**Electrical Contractor**

FSG Electric

**Engineering Firm**

Shah Smith

**Architect**

FKP

**Completion Date**

February 2020

In 2018, the University of Texas Medical Branch received approval from the Board of Regents to expand the League City Campus in response to rapid growth and increased demand for services. This expansion allows UTMB to add 60 more beds in an additional 5-story wing to the existing hospital. The new wing includes support staff space on Level 1, kitchen and dining facility on Level 2, 30 ICU beds each on Levels 3 & 4, and mechanical space on Level 5. In addition to the new wing, our scope included renovations to the existing hospital: 3 new Endoscopy Rooms, Operating Room renovations, relocation of X-Ray and CT Labs, and converting 17 LDRP Rooms to ICU Rooms. In addition to these renovations, we added a new ground-level Helipad.

The challenging aspect of this project is tying into the electrical system of an existing/operating hospital. To make matters more difficult, the design did not match the existing system. We are required to rebuild a section of switchgear to increase the ampacity needed to serve the new section. This requires massive coordination and additional back up generators to make sure no power is lost during the 12-hour shutdown.

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