

SoFi Stadium

Los Angeles, California

Project Description

SoFi Stadium is the home of the NFL Los Angeles Rams and Chargers. Located three miles from Los Angeles International Airport and in line with LAX's flight path, the stadium was constructed 100 feet below ground surface. The stadium roof is free-standing and is supported by 38 earthquake-resistant, precast segmental columns. In addition to being the home of the NFL Rams and Chargers, the stadium has hosted Super Bowl LVI, College Football Playoff Championship Game, and multiple concerts. SoFi will host the upcoming World Cup and Olympics in 2028.

Owner

StadCo LA, LLC

Contractor

Kiewit

Designer

HKS

Our Role

MBJ provided the construction engineering for the precast segmental column casting and erection for Kiewit, (a sub to the JV of Turner Construction and AECOM Hunt). Services included geometry control, segment handling, post-tensioning stressing calculations, access platforms, erection manual, and technical support. The precast columns ranged in height from 42 feet to over 153 feet, with as many as 14 precast columns in a column. The "tear-shaped" cross-section measures 14-feet wide by 22-feet long with a segment wall thickness of 1'-0" or 1'-6". The columns have external vertical post-tensioning that loops in the footings or extends into the footing and into the underground strut dead-man blocks.

Total Contract Value

\$5.5B

Timeline

2016 - 2020

Construction Method and Specifications

Precast segmental columns.

