

CASE STUDY



PROJECT DETAILS

Project Name:

Downtown Kenosha
Parking Structure

Location:

Kenosha, WI

Project Owner:

The City of Kenosha

Project Architect:

raSmith Inc.

Project Engineer:

Precast Engineering
Company

Project Contractor:

J.H. Findorff & Son Inc

Project Erector:

Creative Erectors

Date:

2020

Key Products:

Prestressed Wall Panels,
Spandrels, Infills, Concrete
Double Tees, Columns
and Beams

County Prestress Delivers Architectural and Structural Concrete Solutions for Downtown Kenosha Parking Structure

Solutions: Coordination with several trades; functional, aesthetically pleasing parking structure

The City of Kenosha's growing population and recent downtown redevelopment prompted the construction of a five-story parking structure, intended to reduce congestion and improve parking for residents and visitors.

The structure comprises of 151,700 SF of precast, prestressed concrete. County Prestress manufactured 615 architectural and structural concrete components, including prestressed concrete double tees, wall panels, spandrels, infills, columns, and beams, and supplied precast stairs.

Precast, prestressed concrete was specified for its resiliency and design flexibility. County Prestress manufactured prestressed concrete double tees, columns, and beams to support the structure and its live loads. Prestressed concrete double tees allow high load capacities across long, column-free spans and maximize usable space. Their prestressed fabrication resists natural and manmade elements, requires minimal maintenance, and ensures lower cost over the structure's service life.

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To seamlessly integrate the parking structure into its historic downtown surroundings, County Prestress manufactured beige spandrels, wall panels, and exterior columns and concrete brick infills. These components protect and visually enhance the structure.

Staging and delivery proved challenging with road construction and increased traffic from events. The original delivery plan changed when sections of the route became unavailable. Despite challenges, County Prestress coordinated timely deliveries that kept the project on schedule. The trades on site worked steadily to finish the project before winter.

County Prestress played an integral role in the project's success, managing it from start to finish. Our team utilized its enhanced production capacity to manufacture concrete components and serve as a liaison between contractors to ensure the project's timely progression. The downtown parking structure was erected in less than two months and completed in spring 2021.



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