

Highlighted Design/Build Division Projects

2018

St. Clair Hospital Employee Garage

Industry: Hospital

Location: Pittsburgh, PA

Project Owner: St. Clair Hospital

Size: 90,000 sq. ft.

Capacity: 410 vehicles

Completion Date: Spring 2018

Project Description: CWC was awarded the design/build contract to build the new employee parking garage for the expanding St. Clair Hospital. The project was built utilizing deep foundations, precast concrete, with brick stamped spandrel panels to match the hospital's aesthetic. The garage took advantage of the existing topography to include multiple levels of entrance and exit to help eliminate congestion during high turn-over shift changes. The garage was completed on time to allow the hospital to further expand their hospital facility.





2017

350 Oliver

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Smithfield Oliver Partners

Size: 180,000 sq. ft.

Capacity: 650 vehicles

Completion Date: Winter 2017

Project Description: CWC was selected as the design/builder for the 350 Oliver Garage project in 2015. The project scope included abatement and demolition of the existing Saks Fifth Avenue building as well as significant site preparation to prepare for the larger structure. Construction of the new garage consisted of deep foundations with grade beams and pile caps, a precast concrete superstructure, a 2nd floor with a cast-in-place topping and waterproofing to protect the retail developments below and an attractive aluminum façade. The columns and foundations included increased structural capacity to support the future Lumiere Condominium Development above the garage.



2016

The Hub @ 3 Crossings

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Three Crossings, LP

Size: 150,000 sq. ft.

Capacity: 590 vehicles

Completion Date: Fall 2016

Project Description: CWC was selected as the design/builder for the garage on the Hub @ 3 Crossings Development. The garage is centrally located to the entire development to support the new living and office space throughout the development. The garage was designed with deep foundations, a precast superstructure and a cast-in-place topping on the second floor to protect the retail developments below. The façade consisted





of painted spandrel panels, polished precast and glass at the elevator towers and illuminated signage. The project was delivered on time and within budget.

2015

Marquis Plaza

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Kossman Development

Size: 51,600 sq. ft.

Capacity: 250 vehicles

Completion Date: Fall 2015

Project Description: The garage at Marquis Plaza was constructed using the design/build method. CWC was contacted to assist the developer in the schematic layout of the parking for the newly upgraded office/hotels that needed the parking support. CWC designed a two level precast concrete garage with independent entrances from each level reducing the need for integral ramps. The stair towers were encased in glazing to match the upgraded buildings throughout the facility and solar panels were eventually added to the roof of the garage.



2014

Cochran Nissan Parking Garage

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Cochran Nissan

Size: 57,000 sq. ft.

Capacity: 385 vehicles

Completion Date: Spring 2014

Project Description: CWC design/built a 1-level parking structure for Cochran Car Dealership on West Liberty Avenue in Pittsburgh. Due to the property's geometrical layout, CWC utilized a steel frame, cast-in-place post





tensioned deck that could easily fit the odd shape. The project had many challenges as a portion of project is designed to be over top of the Port Authority light transit station and the new dealership was built on top of the garage structure.

2013

Park Place Parking Garages

Industry: Corporate

Location: Pittsburgh, PA

Project Owner: USAA Real Estate

Size: 105,000 sq. ft.

Capacity: 600 vehicles

Completion Date: Summer 2013

Project Description: Two pre-cast parking structures were designed and built to service two separate office buildings. Both were 300-car capacity. CWC worked with the developer in Texas and handled all the initial planning, zoning, and meetings through final construction with the owner.



Cincinnati VA Medical Center

Industry: Hospital

Location: Cincinnati, OH

Project Owner: U.S. Department of Veterans Affairs

Size: 247,000 sq. ft.

Capacity: 700 vehicles

Completion Date: Fall 2013

Project Description: CWC was low-bidder on the VAMC Garage in Cincinnati, OH. The project was delivered in the design/build method with a pre-existing layout for the garage. CWC finalized the design in precast concrete and completed the project on time and within budget.



2012

5th Avenue School Lofts Development

Industry: University

Location: Pittsburgh, PA

Project Owner: Impakt Development Inc.

Size: 32,000 sq. ft.

Capacity: 86 vehicles

Completion Date: Summer 2012

Project Description: CWC was contacted to build a single level deck on an irregular site to help support the transition of the 5th Avenue School into high-end apartments. CWC designed and built a single level, steel frame with cast-in-place post-tensioned slab above the existing parking lot. This doubled the available parking and gave the future tenants access to the garage off of 5th Avenue.

Meadows Racetrack & Casino Parking Garage

Industry: Casino

Location: Washington, PA

Project Owner: Cannery Casino Resorts

Size: 408,000 sq. ft.

Capacity: 1,362 vehicles

Completion Date: Spring 2012



Project Description: CWC was contacted by the Meadows Racetrack and Casino three years after building the original garage in 2009 that was connected to the casino. This second garage was delivered in the design/build system as well and was a stand-alone structure to help support the casino's massive growth and development. CWC designed a precast superstructure with cast-in-place concrete elements and a façade that matched the original garage and casino development.



Marshall University Parking Garage

Industry: University

Location: Huntington, WV

Project Owner: Marshall University

Size: 108,000 sq. ft.

Capacity: 450 vehicles

Completion Date: Summer 2012

Project Description: CWC was awarded the design/build garage project for Marshall University. The project consisted of deep foundations, a precast superstructure, exterior green-screen panels on the first level for passive security and glass storefront at both stair and elevator towers.



2011

SpringHill Suites Garage

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Kratsas Properties

Size: 60,000 sq. ft.

Capacity: 81 vehicles

Completion Date: Fall 2011

Project Description: CWC performed the design/build services for the Springhill Suites Garage. CWC's scope included performing the excavation of the site, the steel superstructure to support the transfer slab above and three independent garage levels below the hotel that CWC designed and built.



2010

Louis Stokes Cleveland VA Medical Center

Industry: Hospital

Location: Cleveland, Ohio

Project Owner: U.S. Department of Veterans Affairs

Size: 115,200 sq. ft.

Capacity: 362 vehicles

Completion Date: Spring 2010

Project Description: This design/build assignment will feature a cast-in-place frame and post-tensioned parking deck surfaces. The new parking garage addition will expand the capacity of the VA's existing 302,000 square foot parking facility, which currently features four stories and 825 parking spaces. Engineered to accommodate future vertical expansion, the cast-in-place frame of the new parking structure can support three additional parking levels.

Winthrop University Hospital

Industry: Hospital

Location: Mineola, New York

Project Owner: Winthrop University Hospital

Size: 216,000 Square Feet

Capacity: 700 Vehicles

Completion Date: Fall 2010

Project Description: CWC added three additional floors to Winthrop's existing parking structure. The vertical addition consists of three post-tensioned, cast-in-place concrete decks supported by a steel frame. The original garage built by CWC had increased foundation capacity for the eventual vertical extension.



2009

Sands Bethworks

Industry: Casino

Location: Bethlehem, Pennsylvania

Project Owner: Sands Bethworks Gaming LLC

Size: 1,100,000 Square Feet

Capacity: 3,200 Vehicles

Completion Date: Winter 2009

Project Description: CWC was awarded the design/build contract for the Sands Bethworks Casino Garage in Bethlehem, PA. The garage is comprised of 9.5 million pounds of steel, the frame of the garage will be galvanized for corrosion protection. The structure supporting the concrete decks will consist of castellated beams - hybrid girders that offer superior load bearing qualities while requiring less steel per lineal foot. The decks are all cast-in-place, post-tensioned concrete construction which reduces the overall weight of the structure as well requiring less foundation cost while providing a long term durable deck system.



Meadows Racetrack and Casino Parking Garage

Industry: Casino

Location: Washington, PA

Project Owner: Cannery Casino Resorts

Size: 327,000 Square Feet

Capacity: 1,000 Vehicles

Completion Date: Spring 2009

Project Description: This garage incorporates a pre-stressed, pre-cast concrete frame and cast-in-place deck surfaces, and will join the casino at a shared column line, featuring a firewall separating the two structures.





2008

Pittsburgh Technology Center Garage

Industry: Government

Location: Pittsburgh, PA

Project Owner: Urban Redevelopment Authority of Pittsburgh

Capacity: 726 Vehicles

Completion Date: Fall 2008

Project Description: Carl Walker Construction, Inc. was awarded the construction of the Pittsburgh Technology Center Garage along 2nd Avenue in Pittsburgh's Technology Row. The garage was designed to support future build out of the neighboring properties. The garage was built with a precast superstructure, aluminum façade and railings, with glass panels in the stair/elevator towers.



2007

Pennsylvania State University - Behrend College

Industry: University

Location: Erie, PA

Project Owner: Pennsylvania State University

Capacity: 180 vehicles

Completion Date: Fall 2007

Project Description: The project consists of 2½ levels using precast concrete. The structure features a glass tower stair/elevator enclosure and the extensive use of masonry facade treatments. The project will consist of 52,560 sq. ft. of area (24,000 sq. ft. on grade) and provide 165 parking spaces. The project is intended to service a new technology park affiliated with the university.





Crossroads Parking Garage

Industry: Government

Location: Washington, PA

Project Owner:

Capacity: 850 vehicles

Completion Date: Spring 2007

Project Description: This 250,000 sq. ft. (180,000 sq. ft. supported), precast concrete parking structure is intended to provide 850 parking spaces to support



a major multi-use downtown redevelopment project for the city of Washington, PA central business district. Significant architectural design features include the use of brick-faced panels at prominent locations and expansive use of glass in the stair elevator towers. CWC was awarded the project on a design/build basis through a formal competition that evaluated proposals on a two-part evaluation: 1) how effectively defined design criteria were met and 2) price. Points were awarded on an equal-weight basis for each category, with the project awarded to the proposal with the most total points. CWC won both categories and was awarded the project.

Ruby Memorial Hospital Garage Expansion

Industry: Hospital

Location: Morgantown, WV

Project Owner: West Virginia University Medicine

Capacity: 355 cars

Completion Date: Summer 2007

Project Description: This assignment entailed the addition of a steel post-tensioned parking level to an existing precast parking structure at Ruby Memorial Hospital. The additional level added 105 cars to the



garage's capacity, and required extensive strengthening of the existing structure to support the incremental load. Once the structure of the precast garage was augmented with support members tied in to the original grade beams, the steel components were added to create the new parking level. All steel surfaces were sheathed in precast covers to visually integrate the newly constructed level with the existing structure. The garage was kept open during construction activities to support the needs of the hospital.



Walden Galleria - The EATery - Parking Structure

Industry: Commercial

Location: Buffalo, NY

Project Owner: Pyramid Management Group

Completion Date: Fall 2007

Project Description: The project consists of a 963-space, 5-level, 270,000 sq. ft. design/build precast parking structure (400 spaces on grade) in conjunction with the redevelopment of Walden Galleria as a lifestyle center.

CWC returned the same year to extend the garage horizontally by one bay to increase the capacity of the garage.



2006

Market Place Commons

Industry: Commercial

Location: Myrtle Beach, SC

Project Owner: LUK-MB1, LLC

Size: 45,000 sq. ft.

Capacity: 300 spaces

Completion Date: Fall 2006

Project Description: CWC was awarded the design/build project to support the newly built surrounding open air mall on the old Air Force base in Myrtle Beach, SC. The project is designed with precast concrete and finished to match the existing adjacent structures. The lower level includes retail development.

The Landings at Harborside

Industry: Commercial

Location: Perth Amboy, New Jersey

Project Owner: Kushner Companies

Size: 83,000 sq. ft.

Capacity: 117 spaces

Completion Date: Spring 2006



Fairmont Parking Garage

Industry: Government

Location: Fairmont, WV

Project Owner: City of Fairmont, WV

Completion Date: Spring 2006

Project Description: The project is a 3-level (grade plus 2 supported levels), pre-cast concrete parking structure which provides 225 parking spaces. The project has approximately 50,000 sq. ft. of structural area and an additional 20,000 sq. ft. of area on grade for a total area of approximately 70,000 sq. ft. The project entailed extensive use of thin-set brick panels and expansive glass in the main stair/elevator enclosure as its primary architectural features.



Jefferson Regional Medical Center Parking Structure

Industry: Hospital

Location: Pittsburgh, PA

Project Owner: Jefferson Regional Medical Center

Completion Date: Fall 2006

Project Description: The project consists of a 5-level (grade plus 4 supported levels) CIP, P/T concrete parking structure to accommodate 535 parking spaces. Architectural metal panels are used for the facade treatment. The project is constructed on an existing surface parking lot on a hilltop behind the hospital complex. The work also included the construction of a new access road from a lower parking lot below.





Cork Factory Parking Structure

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: McCaffery Interests

Completion Date: Fall 2006

Project Description: The project consists of a 3-level, 126,000 sq. ft. mixed-use precast concrete parking structure to accommodate 427 parking spaces and 60,000 sq. ft. of retail space. The parking structure is intended to service the Cork Factory apartment development located in the strip district of Pittsburgh, PA. The Cork Factory is a historic industrial building originally built in 1901 and currently being redeveloped into 295 loft apartments.



2005

Carnegie Mellon University Parking Structure Addition

Industry: University

Location: Pittsburgh, PA

Project Owner: Carnegie Mellon University

Completion Date: Fall 2005

Project Description: CWC provided a CIP P/T concrete deck for this 1-level, 68,000 sq. ft. addition to an existing steel-framed parking structure. The addition accommodated 201 parking spaces. Specifically, CWC provided all forming, reinforcing, post tensioning, and concrete placing and finishing for the project. Some remediation to the existing structure was also provided.

Greyhound Bus Terminal Temporary Facility

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Greyhound Lines, Inc.

Completion Date: Summer 2005

Project Description: CWC provided a variety of construction services to relocate the Greyhound Bus Terminal to a temporary





relocation facility on a surface parking lot. The scope of work included site modifications including site utility relocation, curbing and paving. The work also included coordinating the installation of a temporary modular terminal facility with loading platforms, exterior canopies, interior fit-outs, plumbing, lighting and electric requirements. The project is to be used to accommodate about 40 intercity bus arrivals and departures a day until the new permanent terminal facility is built in 2-3 years. Greyhound Lines is the owner of the facility. The Pittsburgh Parking Authority owns the land and leases it to Greyhound. PPA will also operate the new parking facility associated with the new bus terminal when it is completed.

Yeager Airport

Industry: Airport

Location: Charleston, WV

Project Owner: Central West Virginia Regional Airport Authority

Size: 157,000 sq. ft.

Capacity: 525 vehicles

Completion Date: Summer 2005

Project Description: 4½ levels, precast concrete structure



2004

Falling Rock Parking Garage

Industry: Commercial

Location: Farmington, PA

Owner: Nemaquin Woodlands Resort

Size: 107,000 sq. ft.

Capacity: 261 vehicles

Completion Date: July 2004

Project Description: 4-level, cast-in-place, post-tensioned concrete decks supported by a steel frame, built into a hillside. Top level is a plaza deck to hold a 19,000 sq. ft. media center. Construction was completed in 93 days.





Southside Works, LTV Parking Garage #3

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Urban Redevelopment Authority of Pittsburgh

Size: 340,000 sq. ft.

Capacity: 868 vehicles

Completion Date: Fall 2004

Project Description: 7-level, pre-stressed, precast concrete parking structure.



Pullman Square Intermodal Facility, Parking Structure Building #1

Industry: Commercial

Location: Huntington, WV

Project Owner: Mid-Ohio Valley Transit Authority

Size: 250,000 sq. ft.

Capacity: 390 vehicles

Completion Date: Summer 2004

Project Description: 3-level, pre-stressed, precast concrete parking structure with steel-framed shell space for a future theater on top.



Pullman Square Intermodal Facility, Parking Structure Building #7

Industry: Commercial

Location: Huntington, WV

Project Owner: Mid-Ohio Valley Transit Authority

Completion Date: Summer 2004

Project Description: 3-level, 200,000 SF, 600-space, pre-stressed, precast concrete parking structure.





Southside Works, LTV Parking Garage #4

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Urban Redevelopment Authority of Pittsburgh

Completion Date: Winter 2004

Project Description: 4-level, 140,000 SF, 409-space, pre-stressed, precast concrete parking structure.



2003

Summit County Parking Garage Expansion

Industry: Government

Location: Akron, OH

Project Owner: Summit County

Completion Date: Fall 2003

Project Description: 2-story vertical expansion, cast-in-place concrete frame with cast-in-place, post-tensioned concrete decks with precast concrete facade and pedestrian bridge across street to courthouse.



West Virginia University Hospital

Industry: Hospital

Location: Morgantown, WV

Project Owner: West Virginia University Medicine

Completion Date: Summer 2003

Project Description: 225-space, pre-stressed, precast concrete structure.





Parkersburg Intermodal Transit Facility

Industry: Commercial

Location: Parkersburg, WV

Project Owner: Mid-Ohio Valley Transit Authority

Completion Date: Fall 2003

Project Description: 378-space, multi-story parking deck with transit offices.



Wharf District Parking Garage

Industry: Commercial

Location: Morgantown, WV

Project Owner: Morgantown Parking Authority

Completion Date: Fall 2003

Project Description: 215-space, pre-stressed, precast concrete parking garage.



South Side Works, LTV Garage #2

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Urban Redevelopment Authority of Pittsburgh

Completion Date: Fall 2003

Project Description: CWC was responsible for site coordination and supervision of this multiple prime contract project.





2002

Pavonia Parking Structure

Industry: Corporate

Location: Jersey City, NJ

Project Owner: Lefrak Organization

Completion Date: Spring 2002

Project Description: 206-space, 2-level addition to existing structure. Steel frame with CIP, post-tensioned concrete decks and precast concrete facade treatments.



Beaver County Parking Garage

Industry: Government

Location: Beaver, PA

Project Owner: Beaver County

Completion Date: Fall 2002

Project Description: 254-space, three-story steel frame, cast-in-place, post-tensioned concrete decks with precast concrete facade.



NYU Winthrop Hospital

Industry: Hospital

Location: Mineola, NY

Project Owner: NYU Winthrop Hospital

Capacity: 680 vehicles

Completion Date: Summer 2002

Project Description: Steel frame with CIP/PT concrete deck and precast concrete facade.





BUILDING EXCELLENCE AT EVERY LEVEL

Station Square Parking Structure Vertical Expansion

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Forest City Realty

Capacity: 406 vehicles

Completion Date: Summer 2002

Project Description: 2-level vertical expansion, and steel frame with CIP/PT concrete deck and P/C concrete facade.



The Highlands at Morris Plains

Industry: Commercial

Location: Morris Plains, NJ

Project Owner: Greystar

Completion Date: Fall 2002

Project Description: 1-level, pre-cast concrete deck.



Washington Plaza Apartments

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Faros Properties

Completion Date: Winter 2002





2001

Park & Lock North Vertical Expansion

Industry: Government

Location: Wilkes Barre, PA

Project Owner: Parking Authority of Wilkes-Barre

Completion Date: Fall 2001

Project Description: 350-space, two-story vertical expansion, pre-stressed precast concrete parking structure.



North Shore Parking Structure

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Sports and Exhibition Authority of Pittsburgh and Allegheny County

Completion Date: Spring 2001

Project Description: 800-space, 8-level, pre-stressed, precast concrete parking structure.





2000

Indiana University of Pennsylvania

Industry: University

Location: Indiana, PA

Project Owner: Indiana University of Pennsylvania

Completion Date: Fall 2000

Project Description: 417-space, pre-stressed, precast, free-standing concrete structure.



1999

Chatham Site Parking Lot

Industry: Commercial

Location: Pittsburgh, PA

Project Owner: Parkway Corporation

Completion Date: Fall 1999

Project Description: Demolish existing 3-story concrete buildings and build new surface parking lot.

Newport South Parking Garage Vertical Expansion

Industry: Commercial

Location: Jersey City, NJ

Project Owner: Central Parking System

Completion Date: Fall 1999

Project Description: 2-floor vertical expansion, (147,000 sq. ft.) steel frame, P/T concrete.





1998

680 Swedesford Road Parking Garage

Industry: Corporate

Location: Wayne, PA

Project Owner: Liberty Property Trust

Capacity: 235 vehicles

Completion Date: Fall 1998

Project Description: Pre-stressed, precast concrete structure.



1997

Blair County Courthouse Parking Structure

Industry: Government

Location: Hollidaysburg, PA

Project Owner: Blair County

Capacity: 200 vehicles

Completion Date: Fall 1997

Project Description: Pre-stressed, precast concrete structure.

