

108 Cherry Street Parking Garage Repairs

Burlington, VT



PROJECT MILESTONES

Schematic Design—Completed
Design Development—Completed
Construction Documents—2/1/2021
Construction Bidding—3/1/2021
Construction Start—5/1/2021
Construction Completion—
11/1/2022

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The John J. Zampieri State Office Building is located at 108 Cherry Street and houses the Agency of Human Services, Department of Health, and the Department of Children and Families in downtown Burlington, Vermont. Buildings and General Services retained a consultant to perform a Structural Condition Assessment in November 2018. This report updates a report conducted in 2015.

The garage is situated below the building, consisting of two and a half supported floors and a slab on grade. The garage was built in 1989 and has a capacity for 380 vehicles. The parking garage is rectangular in shape, measuring approximately 340 ft. x 115 ft. and typically consists of two parking bays.

The structure of the parking garage consists of a filigree system. This type of system employs precast concrete forms that are cast offsite and topped/filled with cast-in-place concrete to create a monolithic structure. The precast concrete forms are cast with steel studs and trusses partially embedded, which are then encased in the cast-in-place concrete. This allows the precast and cast-in-place elements to act together as a composite structure.

Our consultants have surveyed the parking garage and determined the extent of the repairs to be completed to make the garage structurally sound and safe. The scope also includes replacing the fire sprinkler and ventilation systems, improved lighting, upgrading the security cameras, card access readers, and the installation of blue light panic buttons for improved safety. Relocation of the electrical switchgear is also include in this project due to water leaking into switchgear causing failure of the electrical system for the building.

