

## PEARL NIAGARA MUNICIPAL PARKING FACILITY, BUFFALO, NEW YORK

### **OWNER:**

City of Buffalo  
Buffalo, New York

### **DESIGNER:**

Desman Associates  
New York, NY

### **CONTRACTOR:**

Siegfried Construction Co.  
Buffalo, NY

The Pearl-Niagara Parking Facility consists of eight levels of parking off Pearl Street and nine levels of parking off Franklin Street. The two sections of the parking structure reach heights of 80 ft. and 90 ft., respectively. The structure accommodates 1,240 cars and includes space for commercial and retail development on the ground floor along Franklin and Pearl Streets.

The height of the parking structure is compatible with the scale of the surrounding buildings. A classical style of architecture was used to blend with the character of the older buildings in the district. In addition, materials and colors used for the facade blend esthetically with both the old and new buildings.

### **SIGNIFICANT DESIGN FEATURES:**

- The post-tensioned concrete structure provides long-span, column-free parking bays. All reinforcing steel is epoxy-coated. A silane sealer protects the ramp against the highly corrosive environment in the Buffalo area.
- The double-helix system with a two-way traffic pattern provides two separate cycles up, and two. down. Two separate entry/exit points serve each ramp system. Since the facility provides parking primarily for employees in the area, the design is well suited for the peak-in/peak-out conditions.
- For maximum efficiency, 8'-6" wide stalls are provided, and an entire bay has been sized and designated for small cars.
- Glass enclosed stair/elevator towers and lobbies enhances the feeling of security.
- High pressure sodium lighting fixtures are provided with day time and night light circulating.

