

MINNEAPOLIS CONVENTION CENTER, MINNEAPOLIS, MINNESOTA

OWNER:
City of Minneapolis

ARCHITECT:
Arvid Elness Architects, Inc.

PRIME CONSULTANT:
Van Doren-Hazard-Stallings, Inc.

PARKING CONSULTANT:
Carl Walker Engineers, Inc.

CONSTRUCTION MANAGER:
M.A. Mortenson/
Barton-Malow

Located adjacent to the \$200 million Minneapolis Convention Center, the parking structure provides Convention Center patrons a high level of comfort and security, including a climate-controlled pedestrian skyway connection.

The owner selected a cast-in-place concrete system to resist lateral earth pressure loads from foundation walls leaning against the frame.

Post-tensioned cast-in-place concrete was also used to minimize cracking. Structural durability/low maintenance requirements were addressed by incorporating microsilica concrete.

CONVENTION CENTER PARKING FEATURES:

- Four-level below-grade structure; four-bay side-by-side single helix; one-way traffic.
- Three stair/elevator towers with glass walls adjacent to parking areas; pedestrian skyway connects southern stair/elevator tower to Convention Center.
- High-pressure sodium (HPS) lighting; painted walls and ceilings; closed circuit television (CCTV); intercom system.
- Cast-in-place post-tensioned long-span beams and slabs; caisson foundations.
- Landscaped pedestrian plaza above parking structure.

