



WALKER
PARKING CONSULTANTS

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October 15, 2003

Mr. Buick Alavy
City of Minneapolis
Property Services
350 South 5th Street, Room 223
Minneapolis, MN 55415

Re: Annual Observation Report
St. Anthony Parking Facility
201 Second Avenue Southeast
Minneapolis, Minnesota
Walker Commission No. 21-3136.10

Dear Mr. Alavy:

In conformance with the City of Minneapolis inspection requirements for parking ramps, the following is a summary of the structural condition of the St. Anthony Parking Facility.

Walker completed a second year field observation of the parking facility to review the condition of the structural elements.

FACILITY DESCRIPTION

Built in 1980, the St. Anthony Parking Facility is a cast-in-place, post-tensioned concrete parking structure approximately 304 feet long and 110 feet wide. There are seven supported levels with a floor area of 250,000 square feet and a slab-on-grade with a floor area of 28,000 square feet. The parking structure consists of a five inch to seven-inch thick post-tensioned concrete floor slab supported on post-tensioned concrete beams. The beams are spaced at approximately 20 feet on center, span 54 feet and are supported on conventionally reinforced concrete columns. Epoxy coated reinforcing steel was used in the top portion of the floor slab. A corrosion inhibiting admixture (DCI by W.R. Grace Co.) was added to the concrete used in the beams and floor slabs. A dosage rate of 3.5 gallons per cubic yard of concrete was typical. In addition, a concrete sealer was applied to the slab surface upon completion of construction and again in 1989 and 1995.

Access to and from the facility is via street level entry/exit on Second Avenue. The parking facility is a double threaded helix design with one-way traffic and angle parking. Stair towers are located at the northeast and southeast corners and an elevator tower is located at the south end of the facility. At the basement level of the elevator tower a tunnel provides access to the south side of Second Street. The facility provides parking for approximately 910 vehicles.

City of Minneapolis Maintenance and Repair Departments completed concrete floor slab repairs in 2002.