

PARKING GARAGES

# Coralville Town Center



## DETAILS

### WORK

Bonded Overlay for Municipal Parking Garage

### LOCATION

Coralville, IA

### BUDGET AND SCOPE

Price: \$2.4M; 70,000 SQFT

### OWNER

City of Coralville

### ARCHITECT/ENGINEER

Wiss, Janney, Elstner, Inc.

## PROBLEM

An error made in placing the top mat of reinforcing in a newly completed parking garage slab resulted in visible cracking in the surface of the slab and a reduced design capacity. Remedial work required Zera Construction to shore, remove and replace the upper 6" of the slab in order to reset the steel and correct the problem.

## SOLUTION

- Structurally shored the structural slab at 10' on center
- Used hydrodemolition to remove 70,000 SQFT of concrete
- Removed 6" of concrete to release the upper mat of steel
- Paving sequence was performed in six phases using a 170' boom pump truck to place 1,300 cubic yards of concrete and to deal with difficult logistical issues
- Rebuilt planter boxes and re-established an intricate curb layout



## Since 1957

Zera is an expert in Concrete & Structural Restoration repairs of all kinds, including:

Parking Garages ■ Building Restoration ■ Historical Landmarks ■ Plazas ■ Stadiums ■ Vaulted Sidewalks ■ Facade Restoration