

# ILLINOIS ROUTE 22 RECONSTRUCTION AND WIDENING

## ILLINOIS DEPARTMENT OF TRANSPORTATION – DISTRICT 1



### CHALLENGE

*Reconstruct an existing two-lane arterial roadway with a four-lane PPC pavement, while maintaining access to a local golf course, shopping mall and high school.*

IL Route 22 from IL Route 83 (Elmhurst Road) to IL Route 21 (Milwaukee Avenue) was an existing two-lane bituminous highway that could no longer accommodate traffic at a reasonable level of service.

### SOLUTION

HLR provided Phase III engineering support staff to the IDOT Resident Engineer. Duties included documentation consisting of daily reports, erosion control inspectors, field measurements, construction observation, coordination of material testing, and other duties as requested.

The existing two-lane roadway was replaced with a four-lane roadway with PCC and bituminous pavement. Dual left turn lanes were placed at the major intersections. The project also included a bike path, a cast-in-place pedestrian underpass, street lighting, traffic signals, and both a single and a double box culvert. Limited right-of-way and construction areas created additional challenges.

This project included coordination with the following:

- The Village of Long Grove
- The Village of Buffalo Grove
- The Village of Lincolnshire
- Stevenson High School
- Lake County Stormwater Management Commission
- Wisconsin Central Railroad

### RESULTS

*Construction was complete December 2008.*

Benefits of the proposed project included:

- Improved traffic safety
- Decreased congestion and increased capacity
- Improved drainage

CONSTRUCTION BUDGET  
\$20 Million



ILLINOIS ROUTE 22 DURING CONSTRUCTION