



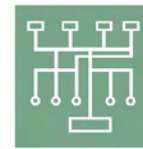
Associates



Engineers



Architects



Systems



Construction
Managers

TORRENCE AVENUE BRIDGE REHABILITATION

**CHICAGO
DEPARTMENT OF
TRANSPORTATION**

Contract plans, special provisions and estimate for the rehabilitation of the vertical lift bridge and approaches over the Calumet River.

Structural scope of work includes the rehabilitation of the existing fixed span approach framing and decks; design of new floorbeams, stringers, half-filled concrete steel roadway grating and sidewalk decking of the lift span; checking of the existing trusses for "heavy truck loading" route designation; rehabilitation of the substructure; rehabilitation of the machinery and operator houses; design of a new substructure protection system.

Mechanical scope of work includes the rehabilitation of the tower drive machinery; end locks; air buffers and upgrading of the operator house sanitary systems.

Electrical scope of work includes the complete replacement of the entire bridge operating systems; installation of new incoming service; design of new grounding and lightning protection systems and interior, roadway and air obstruction lighting.

Civil scope of work includes minor adjustment of the vertical alignment; scarification and asphalt overlay of the approaches; replacement of the sidewalks and curb and gutter, and design of a temporary construction road and approaches across an abandoned railroad bridge adjacent to the lift bridge.

