

Montrose Avenue Bridge over FAI 90/94 and the CTA Blue Line



PROJECT DESCRIPTION

Ciorba Group is providing final plan preparation for the superstructure replacement of the Montrose Avenue bridge over FAI 90/94 and the CTA Blue Line. The existing bridge is a three span post-tensioned cast in place tee beam structure with spans of 157'-154'-155' at a 49 degree skew. The bridge carries 2 lanes of traffic in each direction on Montrose Avenue with over 17,000 vehicles per day. The bridge crosses 2 CTA tracks with 24 hour traffic, 6 lanes of traffic in each direction, and 2 additional reversible lanes for FAI 90/94. The Montrose Avenue CTA Blue line station is adjacent to the bridge with station entrances abutting the bridge deck on either side. Pedestrian traffic to the station had to be maintained during construction.

The proposed superstructure will be a continuous galvanized steel plate girder constructed on the existing abutments and piers. The existing substructure was repaired and pier caps were added to the existing individual pier columns to provide a continuous bearing seat. Lighting along Montrose Avenue was replaced and underpass lighting for FAI 90/94 was also removed and replaced.

LOCATION

Cook County, IL

CLIENT

Illinois Department of Transportation,
District One.

CONTACT

Mr. Brian Kuttub, PE
Consultant Project Manager
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CONSTRUCTION COST

\$12 Mliion (Estimated)

PROJECT TEAM

Project Manager
Salvatore Di Bernardo, PE, SE
Project Engineer:
Duane O'Laughlin, PE
Lead Structural Engineer
Brett Sauter, PE, SE
Lead Roadway Engineer
Eric Spina, PE
Lead ITS & Lighting Engineer
Joe Vondra, PE

SCOPE OF SERVICE

- ▶ Bridge Inspection
- ▶ Final Design

