



ELEVATION
AT RA 45 TO EXPRESSWAY
SCALE: 1"=20'

PLAN
SCALE: 1"=20'

FOR DETAILS OF TRACK CHANGES SOUTH END OF 91ST STREET YARD SEE SHEET 148

DESIGN DATA

LIVE LOAD
COOPER E12 PLUS DIESEL IMPACT

SPECIFICATIONS
DESIGN IN ACCORDANCE WITH A.S.T.M. SPECIFICATIONS FOR STEEL RAILWAY BRIDGES FOR FIXED SPANS NOT EXCEEDING 400 FT. IN LENGTH, DATED 1959

ALLOWABLE STRESSES
 EXTENSION STRUCTURAL CARBON STEEL 18,000 LB/SQ IN
 EXTENSION REINFORCING BARS 20,000 LB/SQ IN
 (F) FLEXURE CONCRETE 3,500 LB/SQ IN
 (F) FLEXURE CONCRETE WITHIN EARTH PRESSURE 4,500 LB/SQ IN
 (F) FLEXURE CONCRETE WITHIN EARTH PRESSURE 500 LB/SQ IN
 (F) FLEXURE 75 LB/SQ IN

FOUNDATIONS
 ABUTMENTS AND PIERS ON SPREAD FOOTINGS
 ALLOWABLE BOREHOLE OR ABUTMENT B PRESSURE 8,000 PSF
 ALLOWABLE BOREHOLE OR ABUTMENT B PRESSURE 7,000 PSF

APPROVED BY C.W.L.R. AND BELT RY. CO. OF CHICAGO
 [Signature] CHIEF ENGINEER

DEPARTMENT OF HIGHWAYS	
DANIEL SWAN	WILLIAM J. HORTON
CHIEF ENGINEER	CHIEF ENGINEER
PLAN AND ELEVATION	
C.W.L.R. AND BELT RY.	
SOUTH ROUTE EXPRESSWAY NORTH OF 91 ST STREET	
ALFRED BENDER & ASSOCIATES	PROJECT NO. 1126-91
DESIGNED	SCALE 1"=20'
DATE	DATE
BY	BY
DESCRIPTION	DESCRIPTION
REVISIONS	

REVISIONS	
NAME	DATE