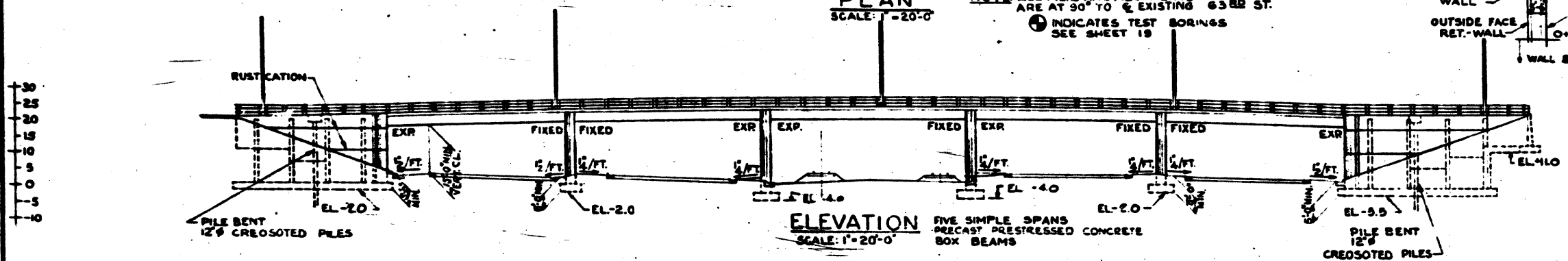


PLAN
SCALE: 1"=20'-0"

NOTE: ALL PIERS AND ABUTMENTS ARE AT 90° TO EXISTING 63RD ST.
⊙ INDICATES TEST BORINGS SEE SHEET 19



ELEVATION
SCALE: 1"=20'-0"

FIVE SIMPLE SPANS
PRECAST PRESTRESSED CONCRETE
BOX BEAMS

GENERAL NOTES

DESIGN SPECIFICATIONS:
AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 7TH EDITION, DATED 1957. BUREAU OF PUBLIC ROADS PUBLICATION "CRITERIA FOR PRESTRESSED CONCRETE GIRDER BRIDGES", DATED 1958 AND ACI-ASCE JOINT COMMITTEE 323 REPORT "TENTATIVE RECOMMENDATIONS FOR PRESTRESSED CONCRETE".

DESIGN LOADING:
A.A.S.H.O. H20-44

FOUNDATIONS:
SEE TEST BORING AND LAB DATA SHEET FOR ALLOWABLE FOOTING PRESSURES.

CONSTRUCTION SPECIFICATIONS:
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF ILLINOIS, DEPARTMENT OF PUBLIC WORKS AND BUILDINGS, DIVISION OF HIGHWAYS, DATED JANUARY 2, 1958.

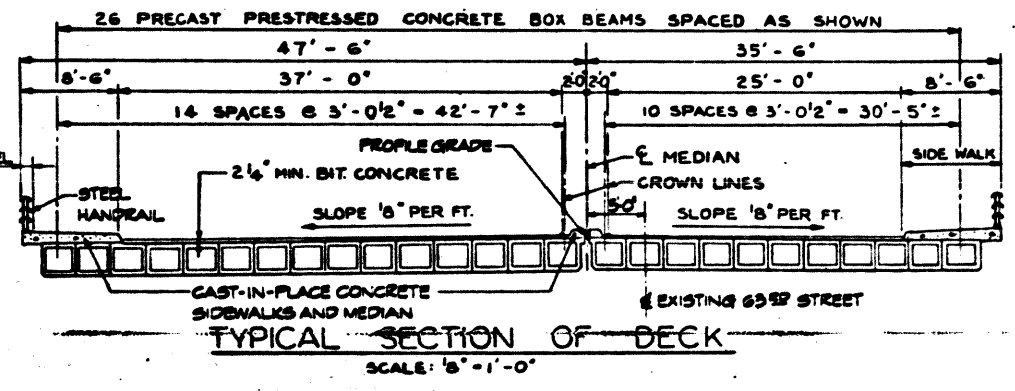
CONCRETE:

REINFORCED CONCRETE	
f'c 3,500 P.S.I.	ULTIMATE STRENGTH IN 14 DAYS
f'c 1,400 P.S.I.	CONCRETE WITHOUT EARTH PRESSURE (SUPERSTRUCTURE)
f'c 800 P.S.I.	CONCRETE WITH EARTH PRESSURE
f'c 75 P.S.I.	MAX-SHEAR IN FOOTINGS (SUBSTRUCTURE)
n	10
PRESTRESSED CONCRETE	
f'c 5,000 P.S.I.	ULTIMATE STRENGTH AT 10 DAYS
PRESTRESSING STEEL 3/8" DIA. 7-WIRE STRESS-RELIEVED STRANDS - MINIMUM TENSILE STRENGTH 250,000 P.S.I.	

ALL CAST IN PLACE CONCRETE SHALL BE CLASS X.

GENERAL NOTES (CONT'D.)

REINFORCEMENT:
BILLET STEEL CONCRETE REINFORCEMENT BARS, INTERMEDIATE GRADE A.S.T.M. DESIGNATION A 15, OR AXLE STEEL CONCRETE REINFORCEMENT BARS, A.S.T.M. DESIGNATION A 190 SHALL BE USED. ALL BARS SHALL BE DEFORMED TYPE IN ACCORDANCE WITH DESIGNATION A 305.
ALLOWABLE TENSILE UNIT STRESS - f_s 20,000 P.S.I.
BAR BENDING, PLACING, CLEARANCES, ETC., UNLESS OTHERWISE SHOWN, SHALL BE IN ACCORDANCE WITH SECTION 59 OF THE STANDARD SPECIFICATIONS.



TYPICAL SECTION OF DECK
SCALE: 1/8"=1'-0"

FOR INFORMATION ONLY

CONTRACT NO. 60J15
SHEET NO. 116 OF 142

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS		WILLIAM J. BORTNER COMMISSIONER OF HIGHWAYS	
GENERAL PLAN 63RD STREET GRADE SEPARATION OVER SOUTH ROUTE EXPRESSWAY			
COMPUTED	F.M.C.	PROJECT	BUI-94-3155156
DRAWN	L.R.	SCALE	A.S. - OWN
CHECKED	F.M.C.	APPROVED	M.T. Page
APPROVED	<i>[Signature]</i>	F.A.I.	County Highway
94	066-1920-CF	Sheet No.	2
		Total Sheets	48
		Drawing No.	S-1
BE LEUW, CATHNER & COMPANY CONSULTING ENGINEERS			