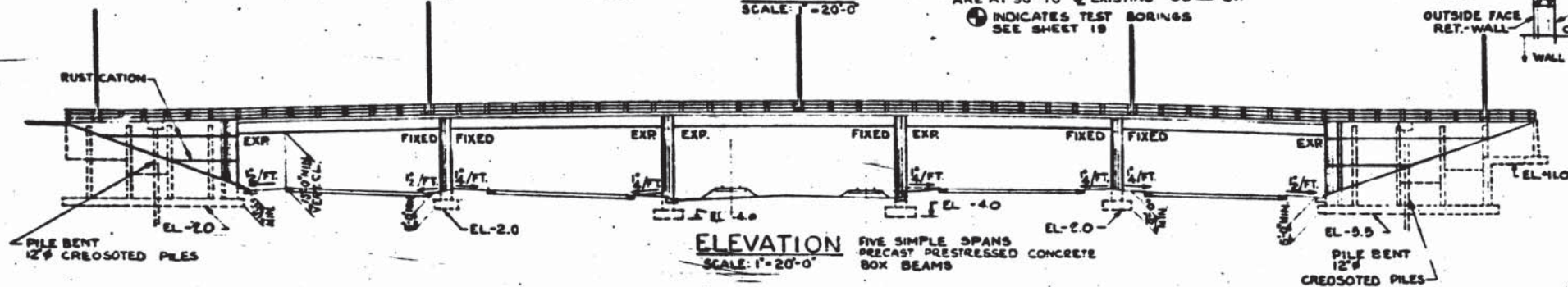


PLAN  
SCALE: 1"=20'-0"

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 1954 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 1,000 P.S.I.	CONCRETE WITHOUT EARTH PRESSURE (SUPERSTRUCTURE)
f'c 800 P.S.I.	CONCRETE WITH EARTH PRESSURE
v 75 P.S.I.	MAX-SHEAR IN FOOTINGS (SUBSTRUCTURE)
n 10	

PRESTRESSED CONCRETE	
f'c 5,000 P.S.I.	ULTIMATE STRENGTH AT 14 DAYS
PRESTRESSING STEEL 3/8" DIA. 7-WIRE STRESS-BELIEVED STRANDS - MINIMUM TENSILE STRENGTH 250,000 P.S.I.	

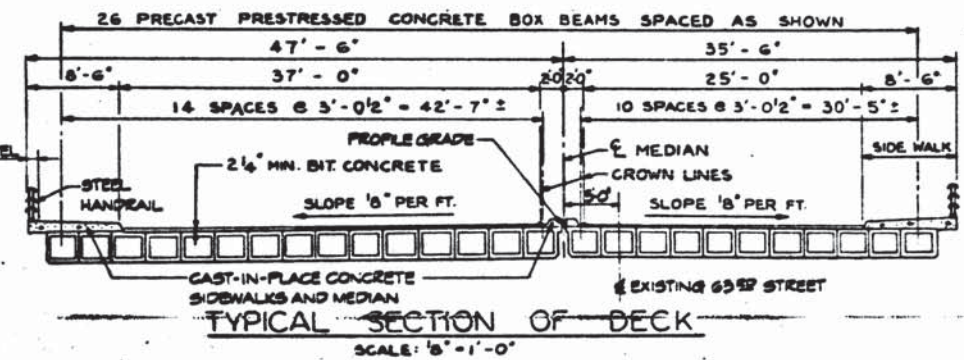
ALL CAST IN PLACE CONCRETE SHALL BE CLASS 2.

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 100 SHALL BE USED. ALL BARS SHALL BE DEFORMED TYPE IN ACCORDANCE WITH DESIGNATION A 305.

ALLOWABLE TENSILE UNIT STRESS -  $f_t$  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"

CONTRACT NO. 60J15  
SHEET NO. 111 OF 137

DEPARTMENT OF HIGHWAYS  
COOK COUNTY, ILLINOIS

GENERAL PLAN  
63RD STREET GRADE SEPARATION  
OVER  
SOUTH ROUTE EXPRESSWAY

COMPUTED: F.M.C. PROJECT: BUI-94-3(55)56  
DRAWN: L.R. SCALE: AS SHOWN  
CHECKED: F.M.C. APPROVED: [Signature]

APPROVED: [Signature] 1/19/60 F.A.I. County Highway Sheet No. Total Sheets Drawing No.  
94 066-1920-CF 2 48 S-1

DE LEUW, CATHER & COMPANY  
CONSULTING ENGINEERS

FOR INFORMATION ONLY