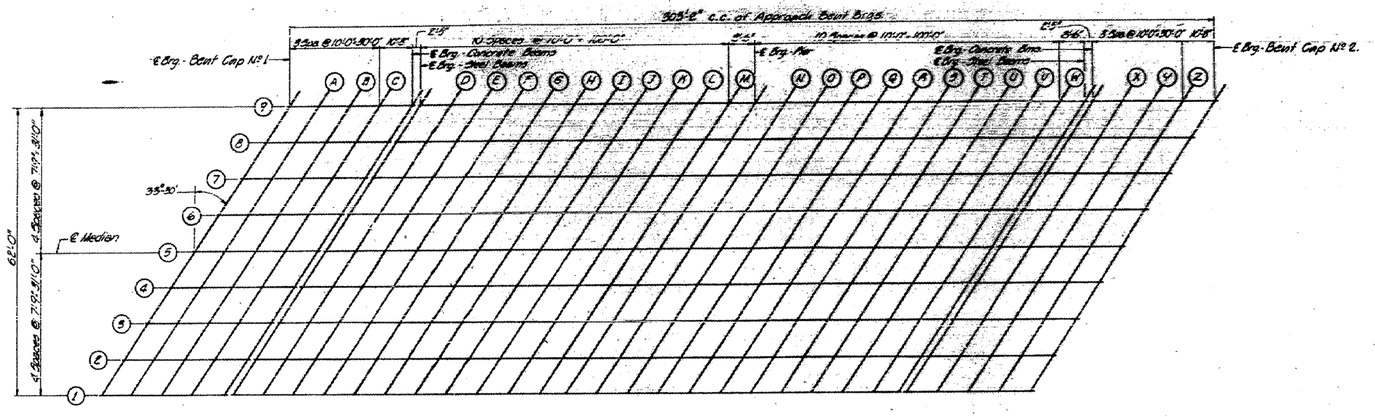
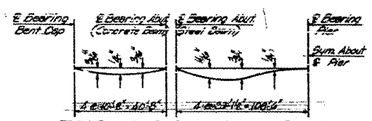
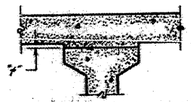




DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheet No. 6.



To determine "f": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted algebraically from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown left, minus slab thickness, equals the "Fillet Height 'f'". A positive value of "f" equals the fillet height above the beam. A negative value of 'f', not to exceed 1/2", equals embedment of the beam above the theoretical bottom of slab elevations.

FILLET HEIGHTS

To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown left, minus slab thickness, equals the fillet heights. "f" above top flange of beams.

FILLET HEIGHTS

DECK ELEVATIONS

STATE OF ILLINOIS
DEPT. OF TRANSPORTATION AND PUBLIC WORKS
DIVISION OF HIGHWAYS

S.B.I. Rt. 137-A OVER I.A.I. 64
F.A.I. 64 - 3 - 6 U.R.A. PROJECT
STA. SCOTT TELEPHONE & PIPELINE CO. PROJECT

1941

HARZA & CHRISTIANI & ASSOCIATES
CONSULTING ENGINEERS
CHICAGO, ILLINOIS

44

15 & 16

74529