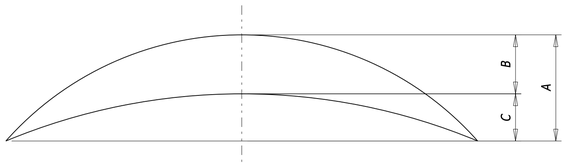


A = ESTIMATED PRESTRESS CAMBER LESS DEFLECTION DUE TO DEAD LOAD OF BEAM TIMES CREEP.
B = DEFLECTION DUE TO DEAD LOAD OF (SLAB or OVERLAY) AND PARAPET.
C = A - B = NET CAMBER.

CAMBER DIAGRAM

See Designer Note 3

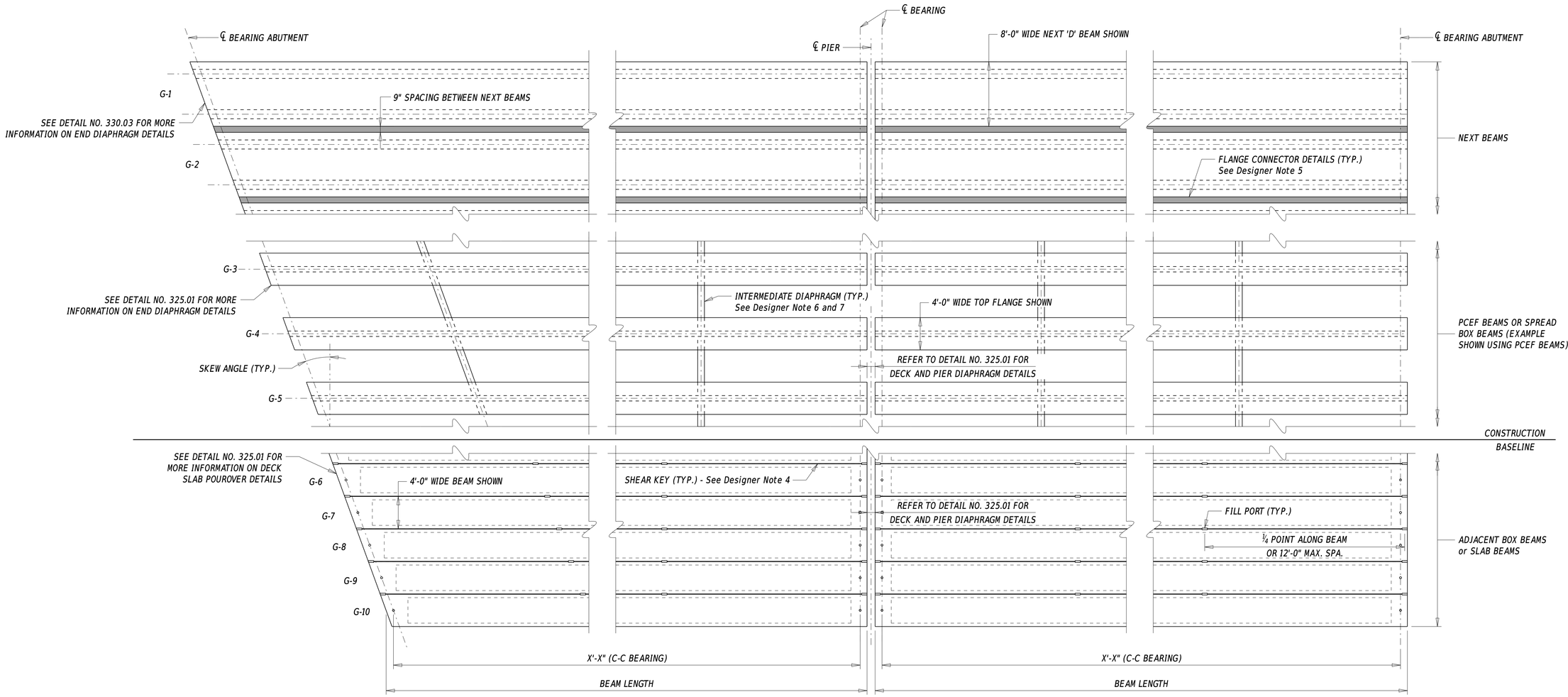
CAMBER (INCHES)

SPAN	A	B	C	SPAN	A	B	C
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----
SX-GX	----	----	----	SX-GX	----	----	----

NOTE:
'S' DENOTES SPAN
'G' DENOTES GIRDER

DESIGNER NOTES

1. REFER TO SECTIONS 106.9.9 AND 205.7.3.6 FOR MORE INFORMATION ON CAMBER OF PRESTRESSED CONCRETE BEAMS.
2. REFER TO SECTION 612.03(E) IN THE STANDARD SPECIFICATIONS TO DETERMINE IF THERE IS ANY NEED TO ADD PROJECT-SPECIFIC BEAM NOTES ON BEAM DETAIL SHEETS NOT INCLUDED IN SECTION 612.03(E).
3. CAMBER DIAGRAM AND CAMBER TABLE ARE REQUIRED TO BE SHOWN ON THE PRESTRESSED CONCRETE BEAM PLAN SHEETS. THE CAMBER TABLE SHOWN ON THIS SHEET IS A RECOMMENDED EXAMPLE TO USE. FOR SMALLER AND NON-COMPLEX PROJECTS, THE DESIGNER MAY CONSIDER USING ONLY CAMBER DIAGRAM.
4. REFER TO DETAIL NO. 330.02 FOR MORE INFORMATION ON THE SHEAR KEY CONNECTION AND FILL PORTS FOR ADJACENT BOX BEAMS AND SLAB BEAMS.
5. REFER TO DETAIL NO. 330.03 FOR MORE INFORMATION ON FLANGE CONNECTOR DETAILS BETWEEN NEXT BEAMS.
6. REFER TO DETAIL NO. 330.04 FOR MORE INFORMATION ON INTERMEDIATE DIAPHRAGMS BETWEEN PCEF BEAMS.
7. REFER TO SECTION 106.9.3 FOR MORE INFORMATION ON INTERMEDIATE DIAPHRAGM SPACINGS TO USE.
8. EXAMPLE USED IN FRAMING PLAN ASSUMES A TWO-SPAN BRIDGE WITH SKEWED LEFT-MOST ABUTMENT AND PIER/RIGHT-MOST ABUTMENT WITH A ZERO SKEW.



FRAMING PLAN

DELAWARE DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL	PRESTRESSED CONCRETE BEAM FRAMING PLAN AND CAMBER DETAILS	NOT TO SCALE	ISSUE DATE 10/01/2015 10/01/2017	DETAIL No. 330.01 SHEET No. 1 of 1