CONTRACTOR SHALL VERIFY STABILITY OF FASCIA BEAMS FROM OVERTURNING NO PERMANENT BEAM DIAPHRAGMS ARE PRESENT), CONTRACTOR SHALL PROVIDE TEMPORARY BRACING.

CALCULATED PRESTRESS LOSSES

ELASTIC STRAINING LOSS ...... KSI  
CONCRETE LOSS ...... KSI  
TOTAL LOSSES ...... KSI

MINIMUM CONCRETE STRENGTH - KSI

1 1/2'-0"  
6 1/2'-0"  
1'-0"  
7'-0"

G806E  
G806E  
G806E  
G806E

DESIGNER NOTE: INDUCT MINIMUM REQUIRED CONCRETE STRENGTH, ROUND CONCRETE STRENGTH TO ONE TENTH KSI.

CENTER TO CENTER, HORIZONTALLY AND VERTICALLY, FROM BOTTOM OF BEAM. ALL STRANDS SPACED 2".  TOTAL STRANDS 10.  A TOLERANCE OF ± 1" WILL BE PERMITTED IN THIS DIMENSION.

GENERAL NOTES

PROVIDE MANDATORY WRITING OR DEVICES AS REQUIRED BY CONTRACTOR, MARK EACH BEAM SHOWING BRIDGE NUMBER, CASTING DATE, AND INDIVIDUAL DESIGNER NUMBER ON A CAST IN PLACE STICKER.  APPLY TO END.  SHOW ON PLAN.  WHEN MULTIPLE HOLD DOWNS ARE USED, MARK END TO LOCATE THEM TO BE EXPOSED AFTER THE END DIAPHRAGMS HAVE BEEN CAST.

AS AN ALTERNATE TO THE END DIAPHRAGM ANCHORAGES SHOWN, THE CONTRACTOR MAY SUBMIT DETAILS OF A CAST-IN-PLACE ANCHORAGE TO THE ENGINEER FOR APPROVAL.

CONTRACTOR WILL TAKE ELEVATIONS AT TOP OF BEAMS AFTER ERECTION AND WILL ALLOW FOR DEFLECTION SHOWN TO ENABLE BUILDING FORMS TO CORRECT GRADE AND SPECIFIED SPLAY SLOPES CLEARLY LEGIBLE. FOR LOCATION OF BEAMS, SEE FRAME PLAN.

CONTRACTOR WOULD PROVIDE AN ULTIMATE PULL OUT STRENGTH OF 15 KIPS PER ANCHORAGE. 
SUBMIT DETAILS OF A CAST-IN-PLACE ANCHORAGE TO THE ENGINEER FOR APPROVAL.

DESIGNER NUMBER:

MINIMUM CONCRETE STRENGTH AT TOP OF REBAR, GRADE 270.  STRAIGHT STRANDS.  DRAPED STRANDS.

REMARKS:

PROVIDE A SCANNABLE COPY OF ELEVATIONS TO THE ENGINEER.

CHECK:  
DESIGN:  
CERTIFIED:  
STATE BRIDGE ENGINEER  
LICENSED PROFESSIONAL ENGINEER

FIG. 5-397.504

REVIEW OCTOBER 22, 2019  
APPROVED JANUARY 13, 2015  
REVISED OCTOBER 22, 2019

27" PRESTRESSED CONCRETE BEAMS

BRIDGE NO.  
ENGINEER NO.  
CERTIFIED NO.

REVISED:  
APPROVED:  
DATE:  
NAME:  
LICENSED PROFESSIONAL ENGINEER  
LIC. NO.