

## PRESTRESS NOTES:

1. ALL PRETENSIONING ELEMENTS SHALL BE 0.6"  $\phi$ , UNCOATED, SEVEN-WIRE, LOW RELAXATION STEEL STRANDS AND SHALL CONFORM TO AASHTO M 203.
2. THE NOMINAL TENSILE STRENGTH OF THE PRETENSIONING STRANDS SHALL BE 270 KSI.
3. THE INITIAL TENSION PER 0.6"  $\phi$  STRAND SHALL BE 44 KIPS.
4. THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 6500 PSI. (*See Note*)
5. NO PRESTRESS SHALL BE TRANSFERRED TO THE CONCRETE UNTIL IT HAS ATTAINED A COMPRESSIVE STRENGTH, AS SHOWN BY A CYLINDER TEST, OF AT LEAST 4500 PSI.  
(*See Note*)
6. THE TOP OF ALL BEAMS SHALL BE GIVEN A RAKED FINISH ( $\frac{1}{4}$ " AMPLITUDE) ACROSS THE WIDTH (PERPENDICULAR TO THE BEAM'S AXIS).
7. THE FABRICATOR IS FULLY RESPONSIBLE FOR THE DESIGN OF THE LIFTING DEVICES WHICH SHALL BE ADEQUATE FOR THE SAFETY FACTORS REQUIRED BY THE ERECTION PROCEDURE.

### NOTE:

*If required by design, HP concrete with a compressive strength of 8000 psi may be used with the permission of the Director of Bridges and Structures. A Special Provision will be required in this case.*



LRFD BRIDGE  
MANUAL, PART II

## PRESTRESS NOTES

PRECAST CONCRETE BOX BEAMS

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