STRAIGHT CLEARANCES FOR PRETENSIONED STRANDS

NOTES:
1. The jacking force (P) is the force required at the center of span before all design losses. It does not include any fabrication specific losses. The jacking force shall be 270 kip for 0.5” Ø strand and 2 kips for 0.6” Ø strand. The minimum distance “S” between groups or individual strands is 1” for 0.5” Ø strand and 2” for 0.6” Ø strand.
2. Concrete strenghts for “f’c” at time of initial stressing “t1” is the 28-day compression strength.
3. Deflection components will be used to set the leveling elevations. Screw the leveling bars for the dead load and “X” values between the limits shown as approved by the Engineer.
4. There must be a minimum of 18” of load down per girder for the prestressing within the beam.
5. The minimum value is the minimum area required of prestressing steel.
6. For “TYPICAL GIRDER SECTION” see “PC/PT PRETENSIONED WIDE FLANGE GIRDER (TYP DETAILS)” sheet.
7. To delete this note, enter “DELETE THIS NOTE” in this value, then delete this note.
8. TYPICAL GIRDER SECTION

CLEARANCES FOR PRETENSIONED STRANDS

NOTES:
1. Strands may be bundled in groups consisting of 3 vertically and 2 horizontally at midspan and separated at the ends.
2. The minimum distance “X” between groups or individual strands is 1” for 0.5” Ø strand and 2” for 0.6” Ø strand.
3. “S” is measured between centers of adjacent strands.

FILE NAME: sheets/index.html
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-#6 Typ
xs1-122-2

TYPICAL GIRDER SECTION

ELEVATION

STRAND EXTENSION HOOK DETAIL FOR CONTINUITY DIAPHRAGM (AT BENT)

NOTES:
For details not shown, see “TYPICAL GIRDER SECTION”

STRAND CLEARANCES NOTES:
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