Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER — X — DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — X — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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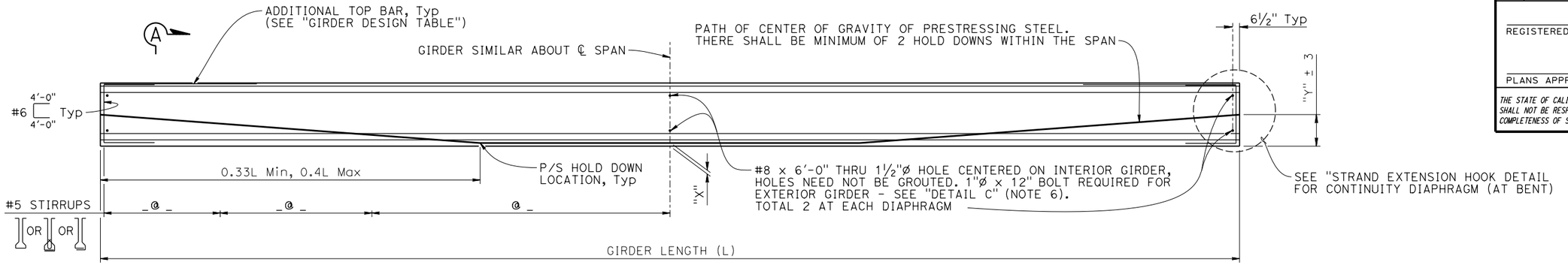
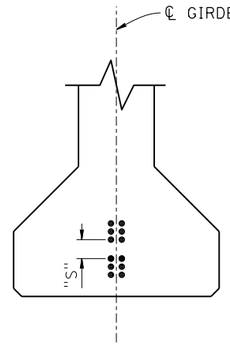


NOTE: Girder ends to be cast such that a level surface is provided at bearing pads.

ELEVATION

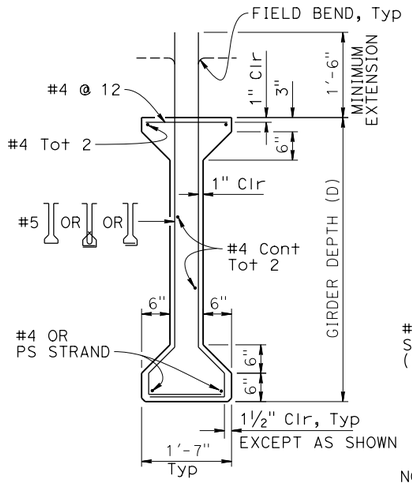
GIRDER DESIGN TABLE												
LOCATION	GIRDER LENGTH (L)	GIRDER DEPTH (D)	"X" (in.)	JACKING FORCE (P) (kip)	A_s, Min (in.²)	"Y" (in.)	CONCRETE STRENGTH (ksi)		MIDSPAN DEAD LOAD DEFLECTION (ft)		ADDITIONAL TOP BAR (EACH END)	TOTAL NUMBER OF EXTENDED STRANDS
							f'_{ci}	f'_c	DECK	RAIL		
GIRDER A			4								#_x_Tot_	
			6									
GIRDER B			4									
			6									
GIRDER *			4									
			6									



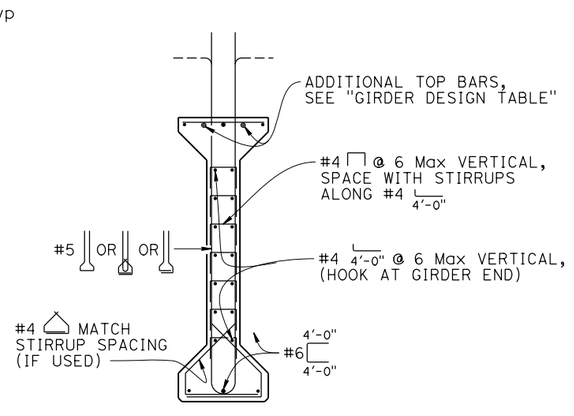
CLEARANCES FOR PRETENSIONED STRANDS

STRAND CLEARANCES 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 "S" between groups or individual strands is 2" for 0.6"Ø strand.
3. "S" is measured between centers of adjacent strands.
4. Authorization of Engineer is required for deviation.

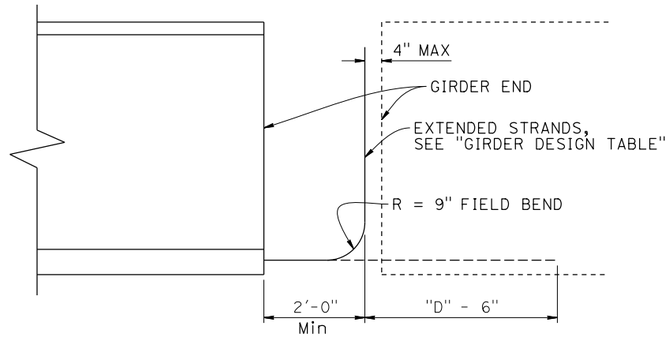


TYPICAL SECTION



NOTE: For details not shown, see "TYPICAL SECTION".

SECTION A-A



STRAND EXTENSION HOOK DETAIL FOR CONTINUITY DIAPHRAGM (AT BENT)

NOTES:

1. The jacking force (P) is the force required at the center of the span before all design losses. The jacking force does not include any fabrication specific losses.
2. Concrete Strength:
   f'_{ci} is at time of initial stressing
   f'_c is the 28-day compressive strength
3. Deflection components will be used to set screed line elevations.
4. Screed line elevations for deck concrete will be determined by the Engineer.
5. Contractor may interpolate "JACKING FORCE" and "X" values between limits shown, as approved by the Engineer.
6. For "DETAIL C" and "WELDED WIRE REINFORCEMENT (WWR) ALTERNATIVE", see "PC/PRETENSIONED I GIRDER (MISC DETAILS)" sheet.
7. Prestressing strand shall be 270 ksi low relaxation.

NO SCALE

BRIDGE STANDARD DETAILS		DESIGN	BY X	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. XX-XXXX	X
xs1-120-2 FILE No.	October 2025 APPROVAL DATE	DETAILS	BY X	CHECKED X			POST MILE X.X	PC/PRETENSIONED I GIRDER (HARPED STRANDS)
		QUANTITIES	BY X	CHECKED X				