

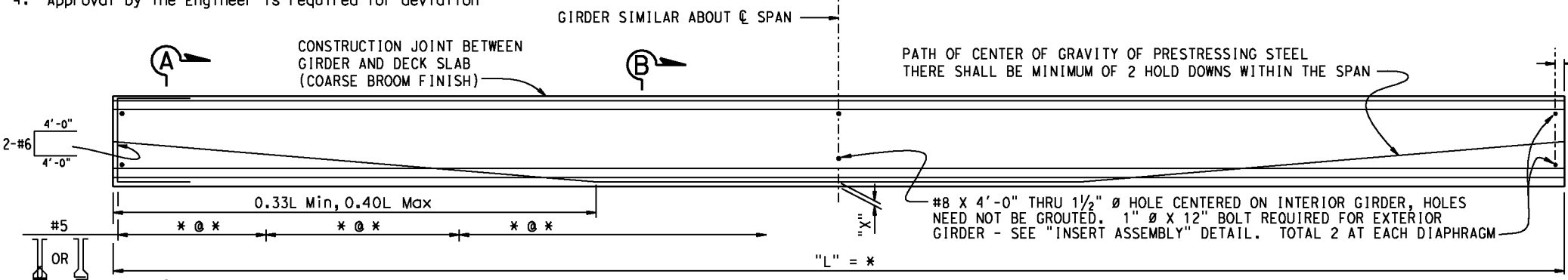
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER	DATE	X
PLANS APPROVAL DATE		

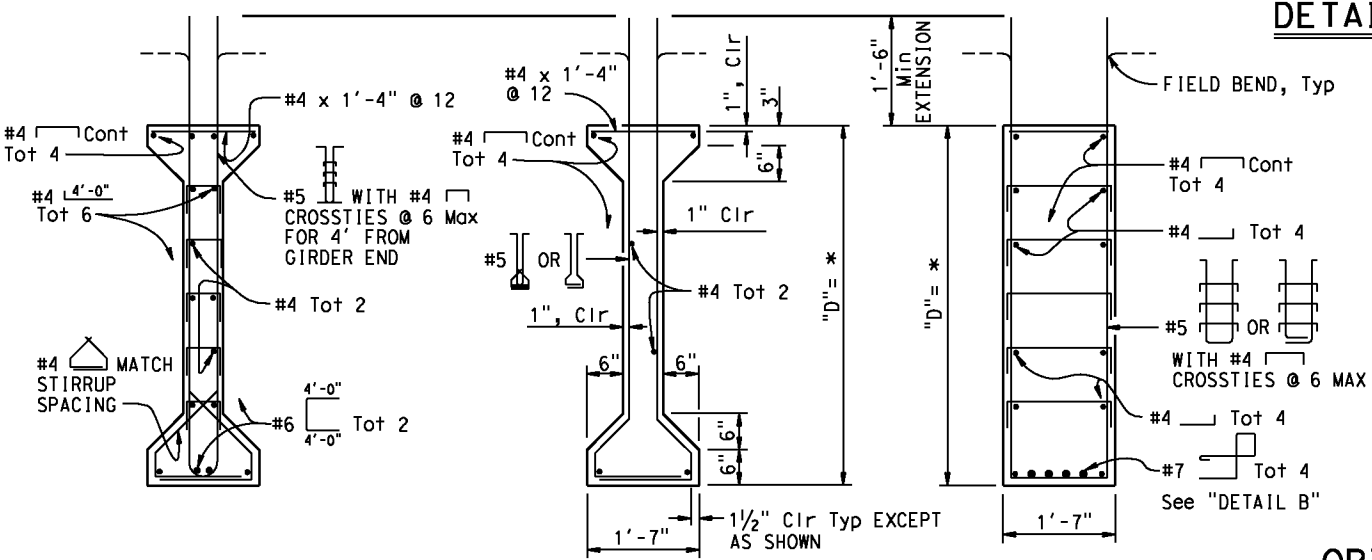
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

CLEARANCES FOR PRETENSIONED STRANDS

1. Strands may be bundled in groups consisting of 3 vertically, 2 horizontally and separated at the ends
2. The Min distance "S" between groups or individual strands is 1/2" for 3/8" ϕ strands, 1 3/4" for 1/2" ϕ strands, 2" for 0.6" ϕ strands
3. "S" is measured between centers of adjacent strands
4. Approval by the Engineer is required for deviation



* ENGINEER TO FILL IN THESE VALUES, THEN DELETE THIS NOTE

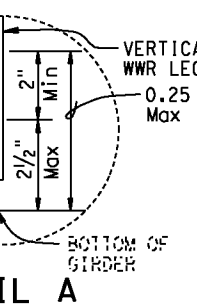


SECTION A-A

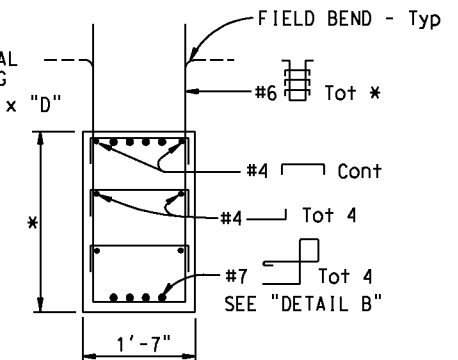
SECTION B-B

SECTION C-C

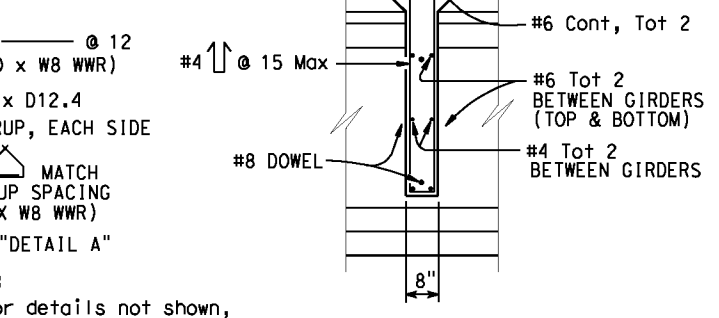
OPTIONAL WELDED WIRE REINFORCEMENT (WWR) DETAIL



DETAIL A

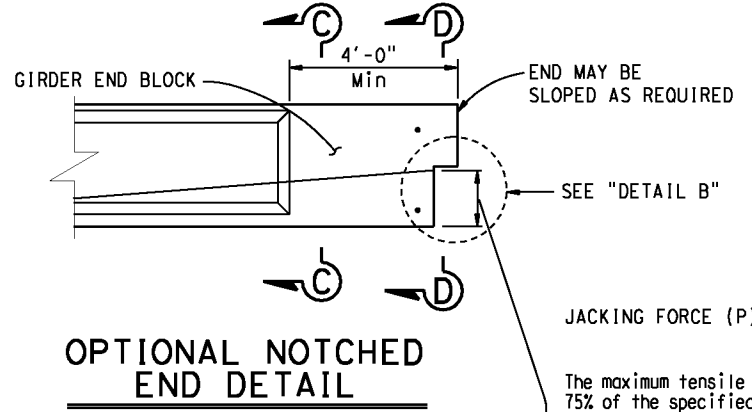


SECTION D-D



SECTION E-E

WWR NOTE: MANUFACTURER'S SHOP DRAWING SHALL CONFORM TO THE REINFORCEMENT SHOWN ON THIS SHEET AS NOTED AND THE SPECIAL PROVISIONS



OPTIONAL NOTCHED END DETAIL

GENERAL NOTES

JACKING FORCE (P): The jacking force required at the point of control along the span. The jacking force does not include any fabrication specific losses.

The maximum tensile stress in the prestressing steel upon release shall not exceed 75% of the specified minimum ultimate tensile strength of the prestressing steel.

The maximum temporary tensile stress (jacking stress) in the prestressing steel shall not exceed 80% of the specified minimum ultimate tensile strength of the prestressing steel.

CONCRETE STRENGTH: f'_{ci} is at time of initial stressing
 f'_c is at 28 days

DEFLECTION COMPONENTS: Informational - to be used in setting screed line elevations

Screed line elevations for deck concrete will be determined by the Engineer.

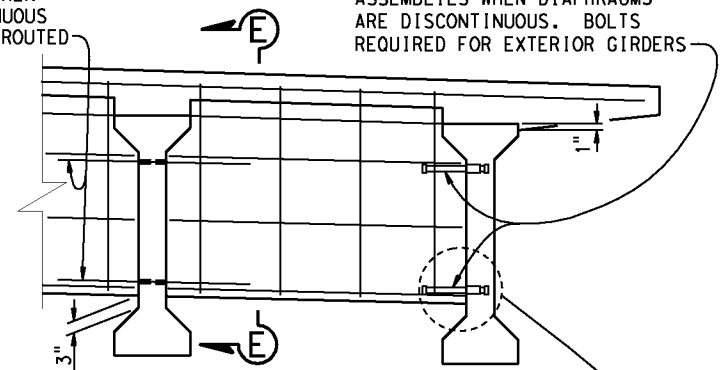
Contractor may interpolate "P" and "X" values between limits shown, as approved by the Engineer.

Use epoxy coated reinforcement in Environmental Area III

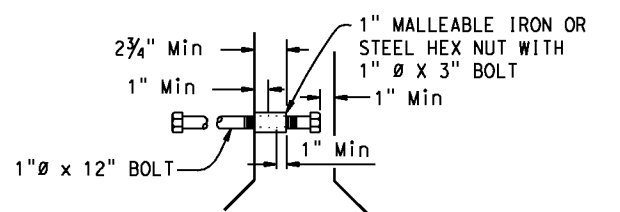
Girder location or designation and length	Jacking Force (P) (Kips)	Concrete Strength (ksi)		Midspan Dead Load Deflection (inches)	
		f'_{ci}	f'_c	Deck	Rail
"X"	4"				
	6"				
	4"				
	6"				

#8 x 4'-0" DOWELS PLACED THROUGH 1/2" ϕ HOLES FORMED IN GIRDER, WHEN DIAPHRAGM IS CONTINUOUS HOLES NEED NOT BE GROUTED

1" ϕ x 12" BOLTS WITH INSERT ASSEMBLIES WHEN DIAPHRAGMS ARE DISCONTINUOUS. BOLTS REQUIRED FOR EXTERIOR GIRDERS



INTERMEDIATE DIAPHRAGM



INSERT ASSEMBLY

NO SCALE

STANDARD DRAWING
FILE NO. XS1-120
APPROVAL DATE <u>July 2011</u>

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES
DEPARTMENT OF TRANSPORTATION	

BRIDGE NO. X	PRECAST PRESTRESSED I GIRDER
POST MILE X	