

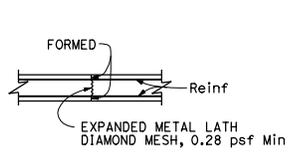
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

*Peter W. Norbo*  
REGISTERED CIVIL ENGINEER

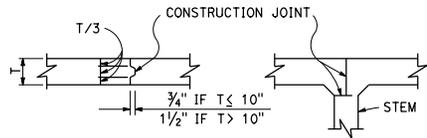
October 30, 2015  
PLANS APPROVAL DATE

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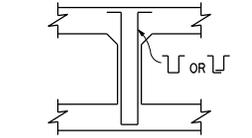
REGISTERED PROFESSIONAL ENGINEER  
Peter W. Norbo  
No. C57519  
Exp. 12-31-15  
CIVIL  
STATE OF CALIFORNIA



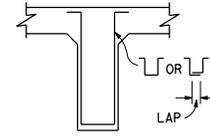
**ALTERNATIVE DECK  
CONSTRUCTION JOINTS**



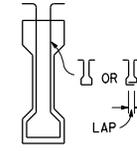
**BRIDGE DETAIL 5-2  
Top or bottom slab**     **BRIDGE DETAIL 5-3**  
**DECK CONSTRUCTION JOINTS**



**REINFORCED BOX GIRDER**  
Girder or diaphragm



**T-BEAM**  
Girder, bent cap or diaphragm  
A reinforcement bar must be placed inside of each stirrup hook or 90° bend.



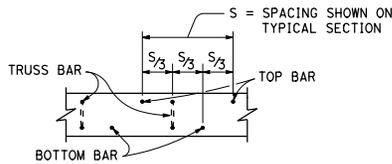
**PRECAST GIRDER**

STIRRUP SIZE	LAP
#4	5"
#5	6"
#6	7 1/2"
#7	9"
#8	10"

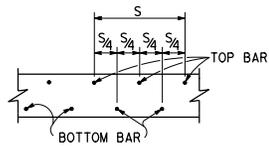
**BRIDGE DETAIL 5-5  
ALTERNATIVE STIRRUPS**

**NOTES:**

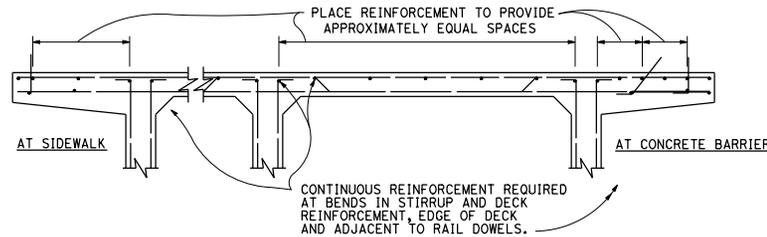
1. In simple spans, transverse joints are not permitted unless approved by the Engineer.
2. In continuous spans, transverse joints may be located at about the 1/4 point of the span.
3. Reinforcing steel shall be continuous through all construction joints.
4. Longitudinal joints shall be located at the edge of a traffic lane unless otherwise permitted by the Engineer.



**BRIDGE DETAIL 5-10**



**BRIDGE DETAIL 5-11**  
**TRANSVERSE DECK REINFORCEMENT  
SPACING DIAGRAMS**



**BRIDGE DETAIL 5-15**  
**TOP GIRDER REINFORCEMENT**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**BRIDGE DETAILS**

NO SCALE

**B0-5**