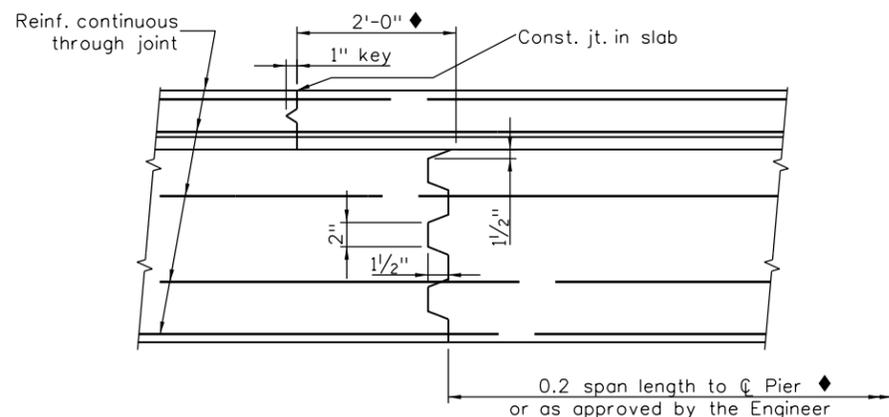
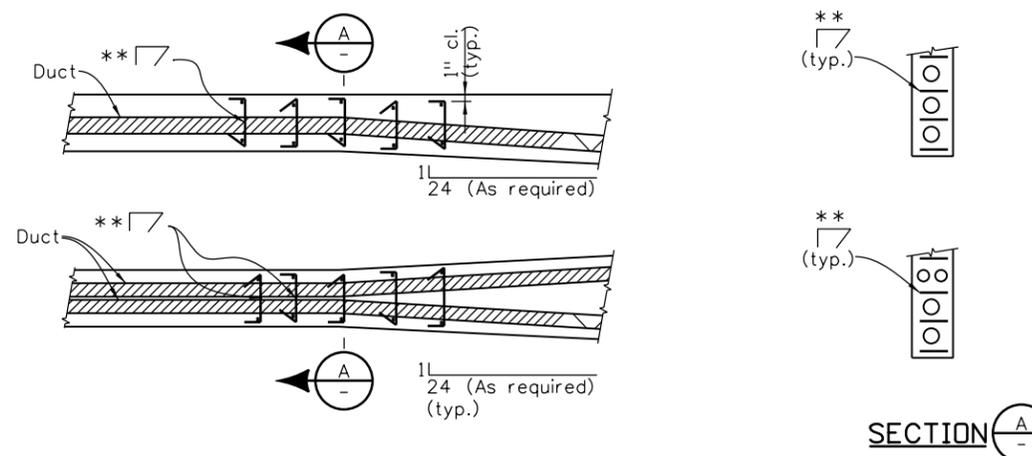


B-618-5

(use with B-618-4 and B-618-6; also add B-618-7 when horizontal curve is present.)



TRANSVERSE GIRDER CONSTRUCTION JOINT



The webs shall be flared near the anchorage as required to maintain a 1/2" minimum cover over the ducts and a 1" minimum cover over the stirrups. The flare may be on one side only for exterior girder webs. Provide ** ties above, below, and between each row of ducts, tie to five stirrups at beginning of web flare.

PLAN VIEW OF DUCTS AT GIRDER WEB FLARE

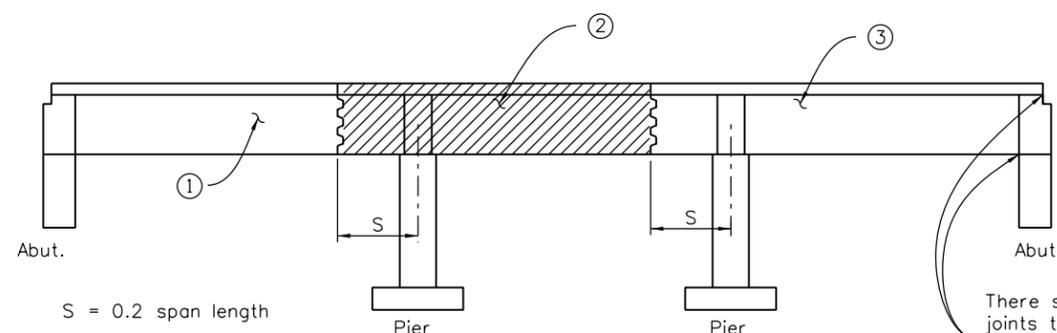
NOTES:

See abutment details and superstructure details for dimensions and reinforcing steel not shown.

SECTION A-A

Revision Dates		(Preliminary Stage Only)	
DATE	BY	DATE	BY
8/96		3/99	
		11/99	
		5/00	
		4/02	
		9/02	
		3/07	
		10/13	

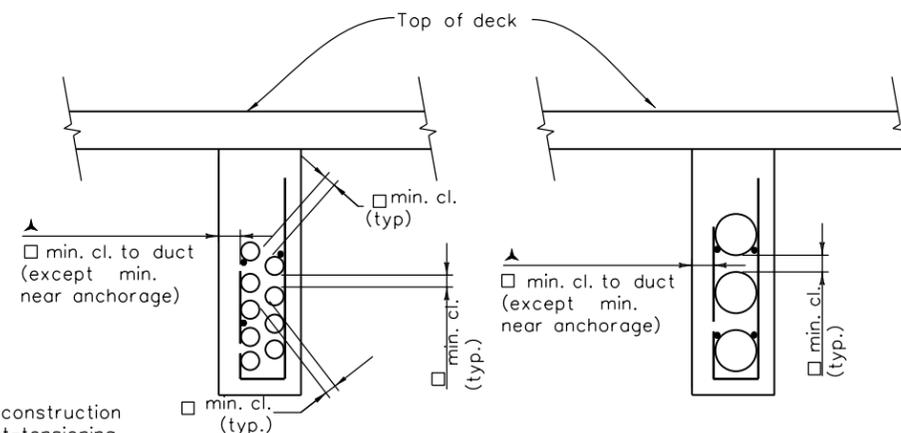
Design		Detail		Quantities	
DATE	BY	DATE	BY	DATE	BY
MM/YY	MM/YY	MM/YY	MM/YY	MM/YY	MM/YY
XXX	XXX	XXX	XXX	XXX	XXX
Checked By					



SUPERSTRUCTURE PLACING SCHEDULE

Numbers ①, ②, and ③ indicate sequence of placing slab and girder concrete when each section constitutes a separate pour. They may be placed continuously or in parts, as indicated above and as approved by the Engineer. Contractor may submit an alternate placing schedule to the Engineer for approval.

◆ Except when staged construction requires alternate joint locations.



PATTERN 1
PATTERN 2
CLEARANCE REQUIREMENTS FOR DUCTS

▲ = 0.75 duct diameter minimum clearance to duct, or 3" min.
□ = 0.44 duct diameter minimum clearance between ducts, or 1/2" min.

Designer/Detailer:		
Jacking force per duct	** No. of stirrups per layer & size	Min. duct radius *
0 to 308 KIPS	2 - #3	83 Ft
308 to 527 KIPS	4 - #3	142 Ft
527 to 835 KIPS	4 - #4	225 Ft
835 to 1186 KIPS	6 - #4	320 Ft

* For curved webs and ducts greater than 4" diameter use #3 ** bars @ 14" max spacing for the full length of curved webs. For tighter radii than shown a custom duct spacing greater than the □ min. shown and more ** reinforcing must be designed, see B-618-7. The above requirements only address localized bursting. In addition to the above, lateral bending must be checked when there is any horizontal web curvature.

Print Date: \$DATE\$		Sheet Revisions Date: Comments Init.			Colorado Department of Transportation 4201 East Arkansas Avenue Room 107 Denver, CO 80222 Phone: 303-757-9309 FAX: 303-757-9197 Staff Bridge Branch	As Constructed No Revisions: Revised: Void:	CAST-IN-PLACE POST-TENSIONED T-GIRDER DETAILS				Project No./Code Project Number Code Sheet Number
File Name: Sheet_B-618-5.dgn		Designer: XXXXXXXX Detailer: XXXXXXXX Sheet Subset: BRIDGE	Structure Numbers: X-XX-XX Subset Sheets: BXX of XXX								
Horiz. Scale: NTS Vert. Scale: As Noted Staff Bridge Branch - Unit 022X Unit Leader Initials		Initials									