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		Print Date: \$DATE\$			Sheet Revisions		Colorado Department of Transportation		As Constructed			
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	All seals for this set of	Horiz. Scale: None	Vert. Scale: As Noted	$\overline{\bigcirc}$					2829 West Howard Place, 3rd Floor Denver, CD 80204 Phone: 303-512-4079	3rd Floor	No Revisions:	
	the cover page(s)	Unit Information	Unit Leader Initials								Revised:	Desigr
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							Staff Bridge Branch Initials		Void:	Sheet		

INITIALS DESIGN

\$PLOT_INFO\$

B-618-SL

 All work necessary to fabricate and install the integral parts of the girder (including the intermediate diaphragms, if any, and leveling pads), as shown on the plans, shall be included in the bid price for Item No. 618, Prestressed Concrete Slab (), with a pay unit of Sq Ft measured by L x W. When approved by the Engineer, a minimum of tack welding will be permitted on ASTM A706 uncoated reinforcing steel.

2. Reinforcing projecting from the top of the girder and reinforcing within eight feet of an expansion device in the bridge deck shall be epoxy coated. Damaged coating on girder reinforcing need not be repaired. The minimum cover for reinforcing steel is 1". Welded wire fabric may be used with D20 wires in lieu of the #4 bars shown. At girder ends not embedded in concrete diaphragms, cut strands off 1" below the surface of the concrete diaphragms, cut strands to project 3", except as shown. Do not make cosmetic repairs (damage less than 1½" deep) to the parts of the girders embedded in concrete.

3. Use low relaxation strands meeting the requirements of ASTM A416 Grade 270. The minimum clear distance between groups or individual strands shall be 2.3(ds) but not less than $1^{1}/_{4}$ ". The minimum cover for prestressing steel is 2".

4. Concrete shall be Class PS. Entrained air is not required for girder concrete. Use $\frac{3}{4}$ " chamfer on all corners except as noted.

5. Predicted camber is the camber for the girder alone at 90 days. The Contractor shall limit the camber growth to a value not to exceed the predicted camber plus 1" prior to the deck pour by weighting, scheduling fabrication, post tensioning, or other means and must report to the Engineer values of camber which exceed the predicted camber plus 1". Remedial measures, as approved by the Engineer, shall be taken if the predicted camber plus 1" is exceeded. The approved remedial measures shall be free of any adverse impact. The costs associated with all remedial measures shall be borne by the Contractor. Girders that provide a negative camber after deadload is applied will be rejected unless approved by the Engineer.

6. Side by side slabs placed over roads or pedestrian facilities shall not have cambers of ajacent girders differ by more than <u>1"</u> before the deck pour. Prior to placing deck reinforcing, the Contractor shall adjust this differential to within this limit by sorting the girders to minimize differentials, or by pulling the high boxes down and low boxes up. The depth (D) tolerance shall be $\frac{1}{2}$, $\frac{1}{4}$.

7. The Contractor is responsible for determining necessary bracing requirements, and for providing adequate bracing for the specific wind and weather conditions to be encountered for each specific project.

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