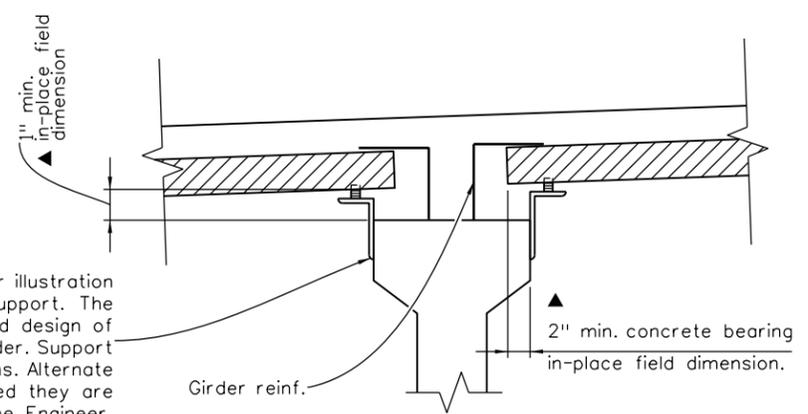


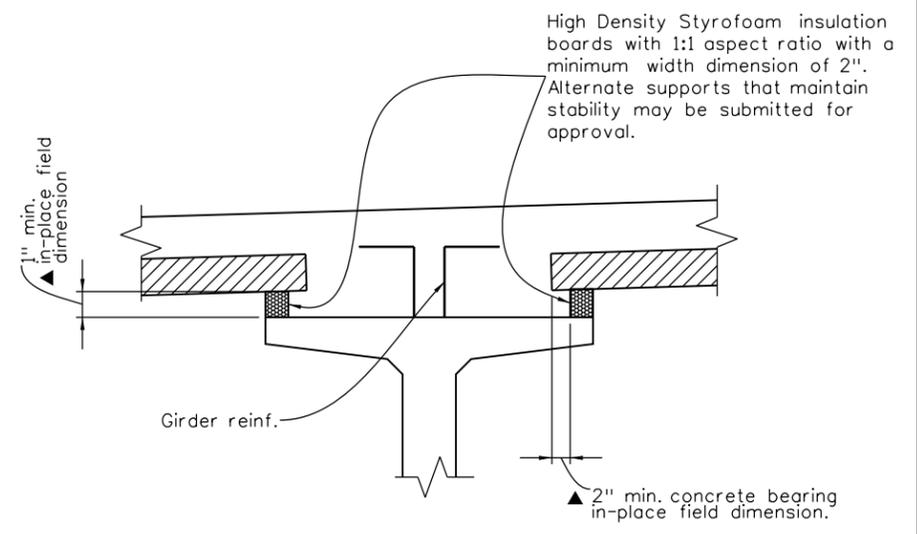
END OF SLAB RECTANGULAR PANEL OPTION AND SKEWS LESS THAN 70°
CONTINUOUS SLAB OVER PIER PART PLAN
END OF SLAB SKEWED PANEL OPTION FOR SKEWS 70° to 90°

Rectangular panel option shall be used for skews less than 70°.



SUPPORT DETAIL

The angle and resilient material are shown for illustration and show only one potential method of support. The Contractor is responsible for the selection and design of the panel support and attachment to the girder. Support details shall be shown on the shop plans. Alternate methods for support may be used, provided they are shown on the shop plans and approved by the Engineer.



ALTERNATE SUPPORT DETAIL

NOTES:

Composite total slab designed for HS 25-44 and Alternate Military Loading.

All concrete shall be Class PS with release strength $f'_c = 4500$ psi and minimum 28 day strength $f'_c = 6000$ psi. Entrained air is not required for precast panel deck form concrete. The strength shall be at least 5000 psi at the time of the deck pour.

Use $\frac{3}{8}$ " \emptyset low relaxation strands meeting the requirements of ASTM A416 grade 270. Jacking force per strand (F_j) shall be at least 17.2 kips. Final force per strand (F_f) is estimated to be 14.2 kips.

Installation of Bar U (#3) is mandatory. All four Bar U (#3) loops shall be used simultaneously for lifting the panels.

Care must be taken to ensure proper cleaning of construction debris off the tops of the panels and consolidation of concrete mortar under the edges of the panels. Water, dirt or other debris on top of the panels will inhibit the bond of the cast-in-place concrete. It is also important that adequate space (\blacktriangle min. 1" x 2") is provided for the concrete to fill the space under the panel as the slab concrete is placed. Panel lengths and width shall be determined by the Contractor and shown on the shop plans.

The Contractor is responsible for the stability of the panels on the girders. Erected panels shall be uniformly supported along the length of the panel. The Contractor is responsible for meeting the total slab thickness shown on the Superstructure Details.

All planes of reinforcing steel shown in the superstructure details are required for areas not formed with precast panels.

Revision Dates (Preliminary Stage Only)	
2/93	10/13
3/94	3/07
3/99	2/06
11/99	4/02
4/02	2/06
3/07	10/13

Design		Detail		Quantities	
Designed By	DATE	INITIAL	DATE	INITIAL	DATE
Checked By	MM/YY	XXX	MM/YY	XXX	MM/YY

Print Date: \$DATE\$	Sheet Revisions			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:	PRECAST PANEL DECK FORM		Project No./Code	
File Name: Sheet_B-601-5C.dgn	Date:	Comments	Init.					Project Number	
Horiz. Scale: NTS						Designer: XXXXXXXX Detailer: XXXXXXXX Sheet Subset: BRIDGE	Structure Numbers: X-XX-XX Subset Sheets: BXX of XXX	Code	
Staff Bridge Branch - Unit 022X Unit Leader Initials								Sheet Number	