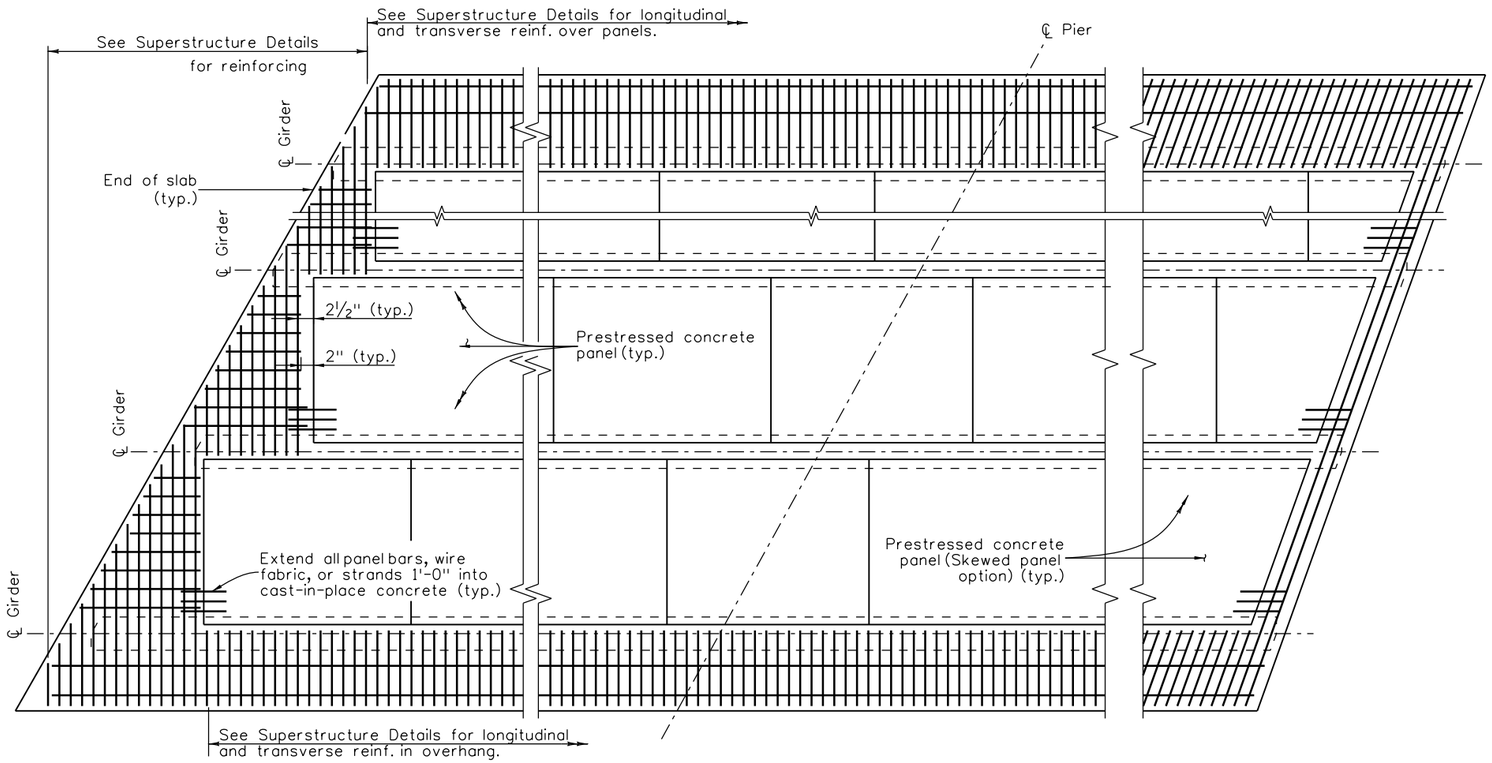


END OF SLAB RECTANGULAR PANEL OPTION AND SKEWS LESS THEN 70°

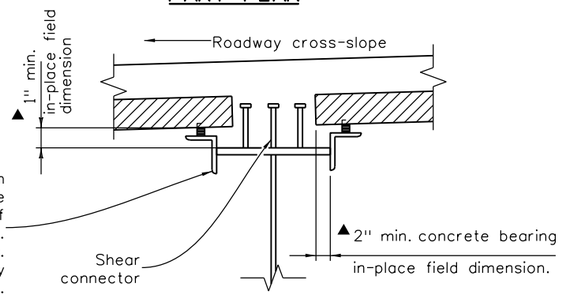
CONTINUOUS SLAB OVER PIER

END OF SLAB SKEWED PANEL OPTION FOR SKEWS 70° TO 90°

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

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 on the shop plans and approved by the Engineer.

PART PLAN



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'_{ci} = 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 time of deck pour.

Use 3/8Ø low relaxation strands meeting the requirements of ASTM A-416 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 U Bar (#3) is mandatory. All four U Bar (#3) loops shall be used simultaneously for lifting the panels. Alternate methods may be used for lifting, provided they are shown on the shop plans and approved by the Engineer.

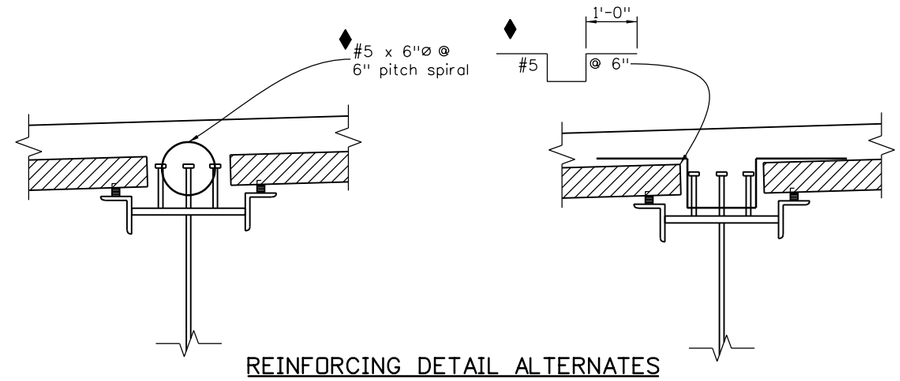
Care must be taken to ensure the proper cleaning of construction debris and construction of concrete mortar under the edges of the panels. It is also important that adequate space (▲min. 1" x 2") is provided for the concrete to fill the space under the panel as the slab concrete is placed. Panel lengths 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.

Precast panels and their accessories, including support details, shall be attached to the steel girders or other structural steel elements, or reinforcing steel by welding. No part of the girder, diaphragm, or studs shall be used as ground or field welding.

♦ Required when longitudinal stud spacing is less than 1'-0" and shall be epoxy coated.



REINFORCING DETAIL ALTERNATES

(Either one may be used)

Revision Dates (Preliminary Stage Only)

12/91	2/93	3/94	3/99	11/99	4/02	3/07	10/13

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

Detail	INITIAL	DATE
Detailed By	XXX	MM/YY
Checked By	XXX	MM/YY

Quantities	INITIAL	DATE
Quantities By	XXX	MM/YY
Checked By	XXX	MM/YY

Print Date: $DATE$	Sheet Revisions		
File Name: Sheet_B-601-5S.dgn	Date:	Comments	Init.
Horiz. Scale: NTS Vert. Scale: As Noted			
Staff Bridge Branch - Unit 022X Unit Leader Initials			

Colorado Department of Transportation
4201 East Arkansas Avenue
Room 107
Denver, CO 80222
Phone: 303-757-9309 FAX: 303-757-9197
Staff Bridge Branch Initials

As Constructed	PRECAST PANEL DECK FORM			Project No./Code
No Revisions:				Project Number
Revised:	Designer: XXXXXXXX	Structure Numbers	X-XX-XX	Code
Void:	Detailer: XXXXXXXX		X-XX-XX	
	Sheet Subset: BRIDGE	Subset Sheets: BXX of XXX		Sheet Number

$PLOT_INFO$