

Panel Length

At connection with cast-in-place slab, extend

standard is governed by the "Texas Engineering Practice of any kind is made by TxDOT for any purpose whatsoever. Sponsibility for the conversion of this standard to incorrect results or damages resulting from its use.

DISCLAIMER:
The use of this
Act". No warranty of
TXDOT assumes no res
other formats or for

reinforcing steel 1'-0" past end of panel or provide

GENERAL NOTES:

Panel Width

Designed in accordance with current AASHTO Standard and Interim Specifications.

See Span Details for possible restrictions on

the use of Prestressed Concrete Panels. All concrete for panels is to be Class H. Release strength f'ci=4000 psi. Minimum 28 day strength

Prestressing strands to be $\frac{3}{8}$ " Dia (270k) with an initial tension of 16.1 kips per strand. Larger strands may be used with the same spacing and initial tension.

Suitable holes or anchorage devices for lifting panels may be cast in the panels provided they are shown on the shop plans and approved by the Engineer.

Erected panels shall bear uniformly on bedding strips of fiberboard or extruded polystyrene placed along the top flange edges of each beam. A $\frac{1}{4}$ " gap shall be left at 4'-0" intervals to permit escape of trapped air in the cast-in-place concrete. If additional blocking is needed, special grading details for supporting the panels and extra reinforcing between beam and slab will be required. The cost of this additional blocking will be considered subsidiary to deck construction.

Care must be taken to ensure proper cleaning of construction debris and consolidation of concrete mortar under the edges of the panels. It is also important that the bedding strips be placed at the edges of flanges so that adequate space is provided for the mortar to flow a minimum of $1\frac{1}{2}$ under the panels as the slab concrete is placed. A minimum opening of $\frac{1}{4}$ " between the bottom of the panel and the top of the beam flange shall be maintained to ensure proper flow of mortor.

All reinforcing steel in the cast-in-place slab shall be Grade 60. See Table on Sheet 2 of 3 for size and spacing of reinforcement. See Plan views on sheet 3 of 3 for orientation of bottom reinforcing steel in slab with panels. Reinforcing steel not shown in span sheet quantities shall be subsidiary to the Item "Reinforced Concrete Slab".

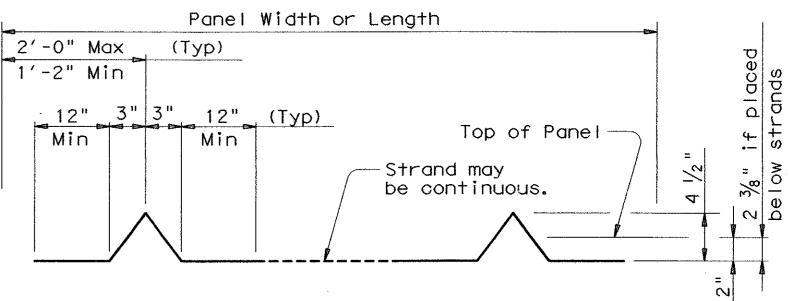
See Span Details for slab reinforcing steel to be epoxy coated.

For clear span between beams less than or equal to 18", see Permissible Slab Forming Detail on Miscellaneous Slab Details sheets. UBMS.

Bar laps, where required, shall be as follows: Uncoated $\sim #4 = 1'-5"$

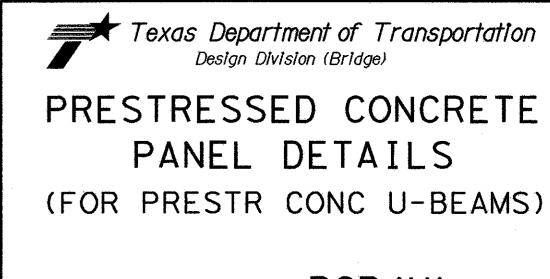
 $\sim #5 = 1'-9"$ Epoxy Coated $\sim #4 = 2'-1"$ $\sim #5 = 2' - 7"$

Contractor Note: Details as shown on the PCP(U) Standard sheets are to be used in conjunction with the Span Details and applicable Standard sheets.



OPTIONAL STRAND FOR BARS U Note: Four loops required per panel. $\frac{3}{8}$ " or $\frac{1}{2}$ " strands may be used.

HS20 LOADING



DN:TXDOT CK:TXDOT DW:TXDOT CK: TGA STD: B546

SHEET 1 OF 3 318

f'c=5000 psi.

PCP(U)

FILE: ubstd008.dan DIST FED REG FEDERAL AID PROJECT . SHEET (C) TxDOT March 1998 REVISIONS CONTROL SECT JOB HIGHWA