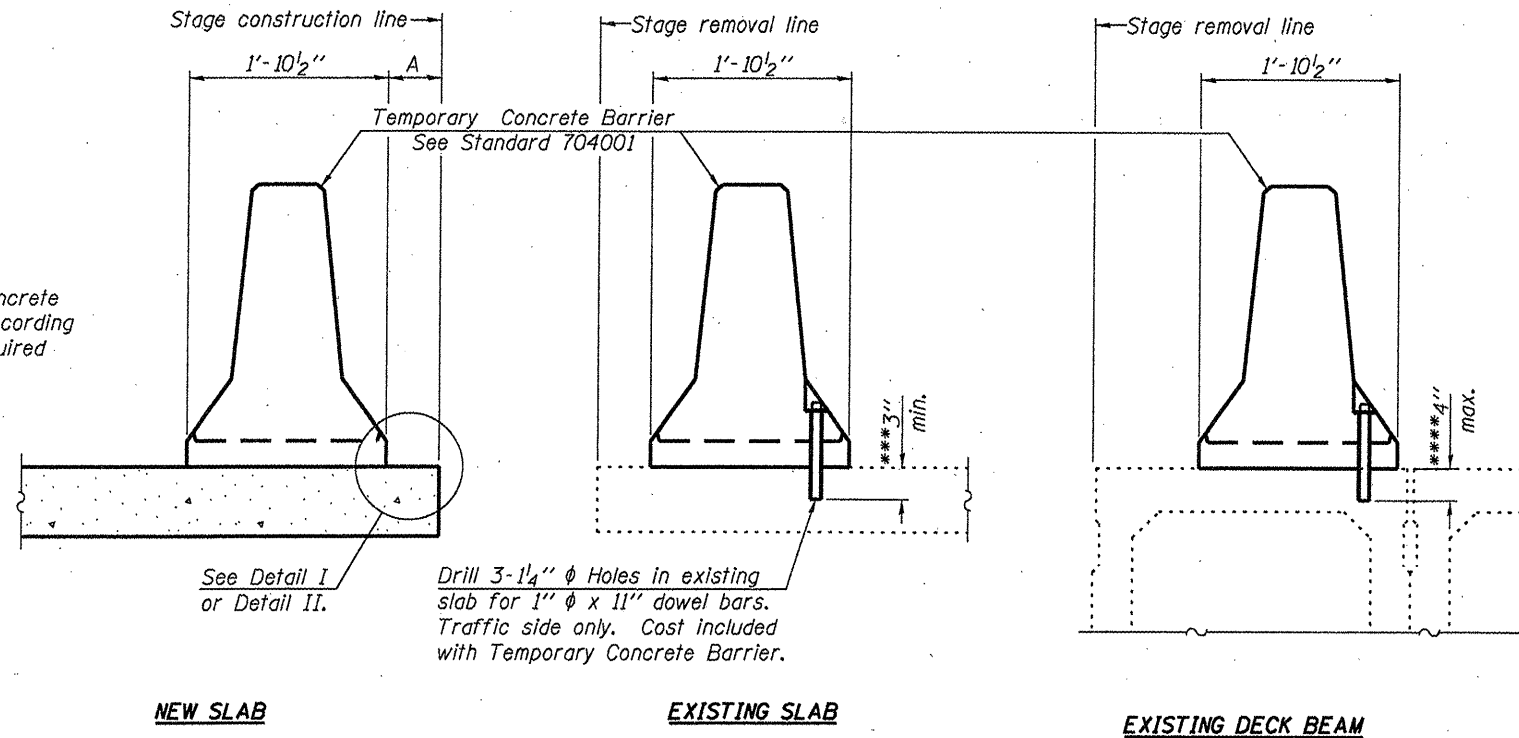When "A" is 3'-6" or less, the temporary concrete
barrier shall be anchored to the new slab according
to Detail I or Detail II. No anchorage is required
when "A" is greater than 3'-6".

Stage construction line —
|← 1'-10½" →|← A →|

Temporary Concrete Barrier
See Standard 704001

Stage removal line
|← 1'-10½" →|

Stage removal line
|← 1'-10½" →|

See Detail I
or Detail II.

Drill 3-1¼" φ Holes in existing
slab for 1" φ x 11" dowel bars.
Traffic side only. Cost included
with Temporary Concrete Barrier.

***3" min.

****4" max.

NEW SLAB

EXISTING SLAB

EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

NOTES

Detail I - With Bar Splicer or Couplers:
  Connect one (1) 1" x 7" x "W" steel ℓ to the
  top layer of couplers with 2-⅝" φ bolts
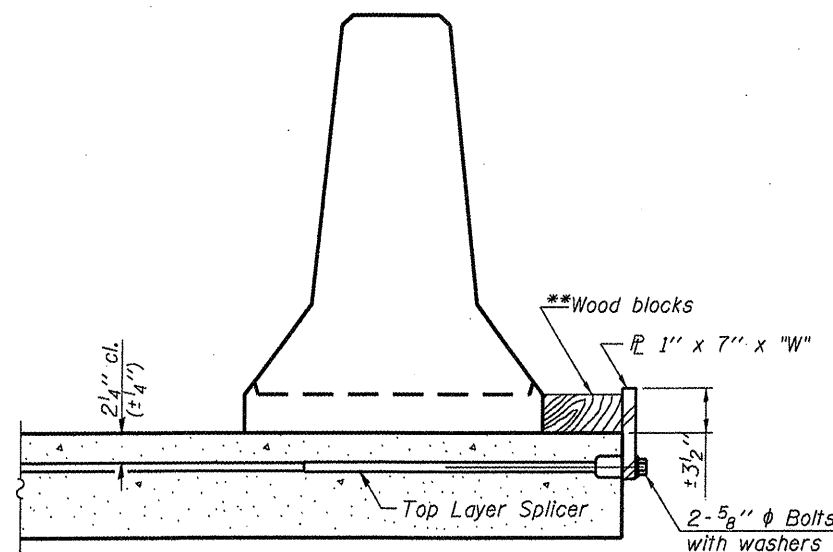 screwed to coupler at approximate ℄ of
  each barrier panel.
Detail II - With Extended Reinforcement Bars:
  Connect one (1) 1" x 7" x "W" steel ℓ to the concrete
  slab or concrete wearing surface with 2-⅝" φ
  Expansion Anchors or cast in place inserts
  spaced between the top layer of reinforcement
  at approximate ℄ of each barrier panel.
Cost of anchorage is included with Temporary Concrete Barrier.
The 1" x 7" x "W" plate shall not be removed until stage II construction
forms and all reinforcement bars are in place and the concrete is ready
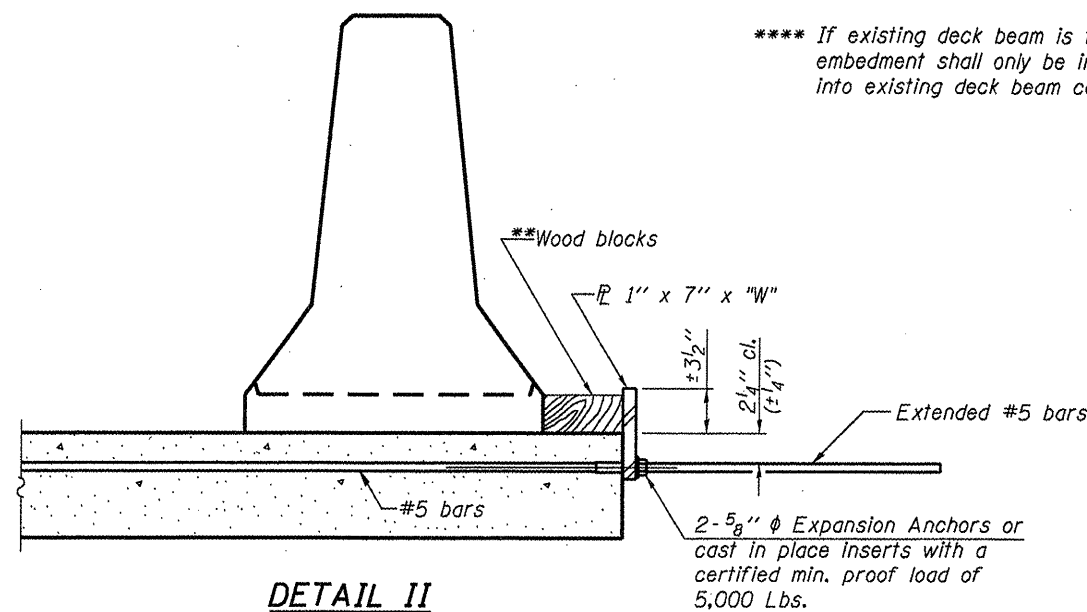to be placed.

*** Dimension shown is minimum required embedment into concrete.
If hot-mix asphalt wearing surface is present, minimum embedment
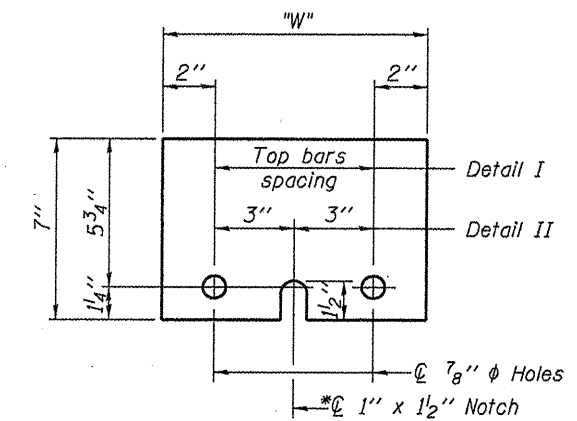shall be in addition to wearing surface depth.

**** If existing deck beam is to remain in place after stage construction,
embedment shall only be into wearing surface and not
into existing deck beam concrete.

**Wood blocks
ℓ 1" x 7" x "W"
2¼" cl.
(±¼")
±3½"
Top Layer Splicer
2-⅝" φ Bolts
with washers

DETAIL I

**Wood blocks
ℓ 1" x 7" x "W"
±3½"
2¼" cl.
(±¼")
#5 bars
Extended #5 bars
2-⅝" φ Expansion Anchors or
cast in place inserts with a
certified min. proof load of
5,000 Lbs.

DETAIL II

** Wood blocks may be omitted when required to provide
minimum stage traffic lane width. When the wood blocks
are omitted, the concrete barrier shall be in direct contact
with the steel retainer plate.

"W" = Top bars spacing + 4"

"W"
2"   2"
Top bars
spacing
7"   5¾"
3"   3"
1¼"
Detail I
Detail II
℄ ⅞" φ Holes
½"
*℄ 1" x 1½" Notch

STEEL RETAINER ℓ 1" x 7" x "W"

* Required only with Detail II

R-27   7-1-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
FOR SN 046-0039 & SN 046-0040

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R-B)BP	KANKAKEE	10	7

CONTRACT NO. 66B44

ILLINOIS FED. AID PROJECT