

## NOTES

Detail I - With Bar Splicer or Couplers:

Connect one (1) 1" x  $7^l_4$ " x "W" steel  $I\!\!P_4$  to the top layer of couplers with  $2^{-5}8$ "  $\phi$  bolts screwed to coupler at approximate  $I\!\!P_4$  of each barrier panel.

Detail II - With Extended Reinforcement Bars:

Connect one (1) I" x 7 4" x "W" steel 12 to the concrete slab or concrete wearing surface with 2-58" \$\phi\$

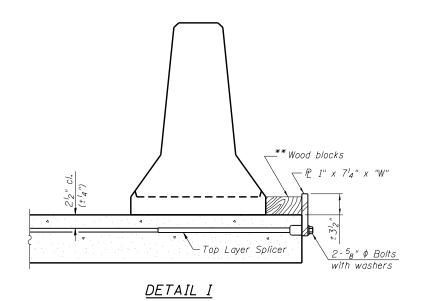
Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \$\mathbb{L}\$ of each barrier panel.

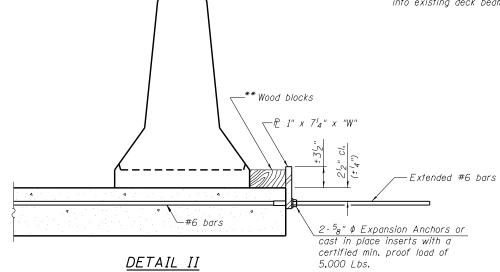
Cost of anchorage is included with Temporary Concrete Barrier. The  $I'' \times 7^l 4^{l''} \times {}^{l''} W'''$  plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

## SECTIONS THRU SLAB OR DECK BEAM

- \*\*\* 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.





EXISTING DECK BEAM

Top bars
spacing
3" 3" Detail II

C 78" \$\phi\$ Holes

STEEL RETAINER P 1" x 71/4" x ""W"

\* Required only with 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"

FILE NAME =	0250111-74295-006-Temp Conc Ba	rlu666gnNAME = bbovee	DESIGNED - BB	REVISED
	BERNARDIN * LOCHMUELLER & ASSOCIATES, INC. 3 OAK DRIVE MARYVILLE, ILLENOIS 82082 PHONE (618) 2884-665 FAX (618) 288-4666	Illinois Design Firm Number 184.001670	CHECKED - ACS	REVISED
		PLOT SCALE =	DRAWN - WJS	REVISED
		PLOT DATE = 3:25:20 PM 8/14/2013	CHECKED - CJF	REVISED

STATE	: OF	FILLINOIS	
DEPARTMENT	OF	TRANSPORTATION	

MODIFIED TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 025-0111 (WB) & 025-0112 (EB)		(25-4HVB-1)BY	EFFINGHAM	1760	541
· · · · · · · · · · · · · · · · · · ·			CONTRACT	T NO. 7	4295
SHEET NO. 6 OF 79 SHEETS	ILLINOIS FED. AID PROJECT				