F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FAP 805	147BR	ST. CLAIR	52	37	SHEET NO. 17
FED. ROAD DIST. NO.1		ILLINOIS	FED AID PROJECT-		24 SHEETS

Contract No. 76393

Temporary Concrete Barrier
See Standard 704001

Stage Construction Line — — Stage Removal Line

NJ shape / F shape — 2'-0'' — A — NJ shape / F shape
1'-10½''

2'-0''
1'-10½''

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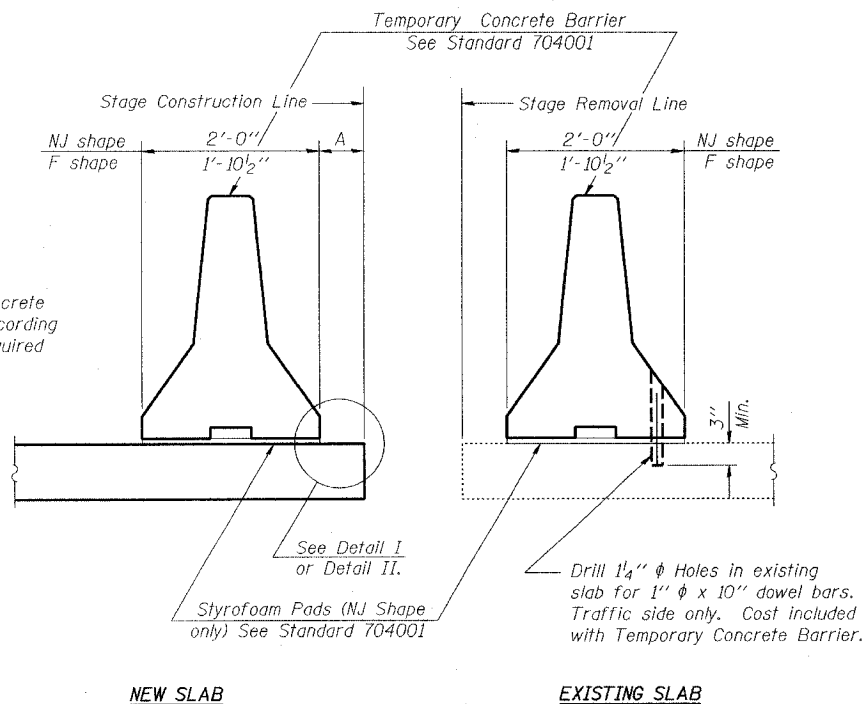
When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".
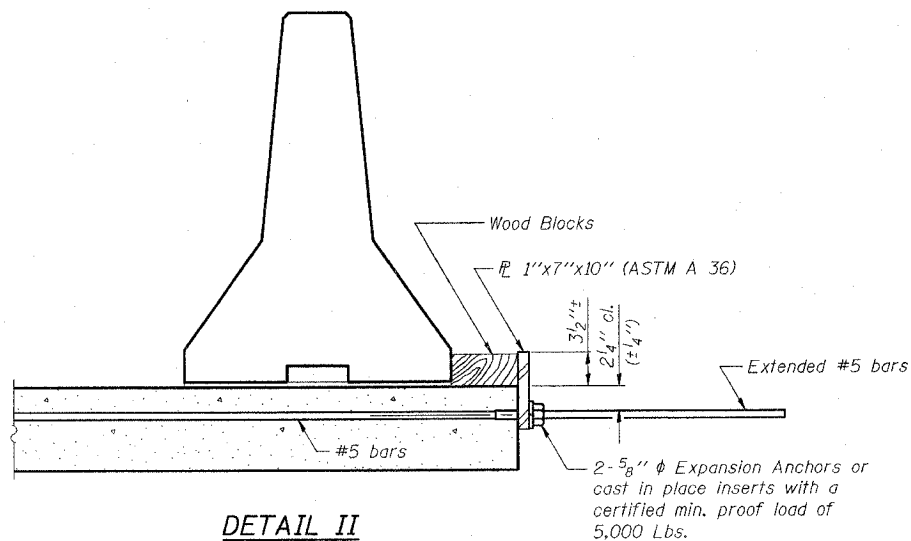
See Detail I or Detail II.

Styrofoam Pads (NJ Shape only) See Standard 704001

Drill 1¼'' φ Holes in existing slab for 1'' φ x 10'' dowel bars. Traffic side only. Cost included with Temporary Concrete Barrier.

NEW SLAB   EXISTING SLAB

SECTIONS THRU SLAB

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1''x7''x10'' steel ℄ 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''x7''x10'' steel ℄ to the concrete slab 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.

2¼'' cl. (±¼'')

Wood Blocks
℄ 1''x7''x10'' (ASTM A 36)

3½''

Top Layer Splicer

2-⅝'' φ Bolts with washers
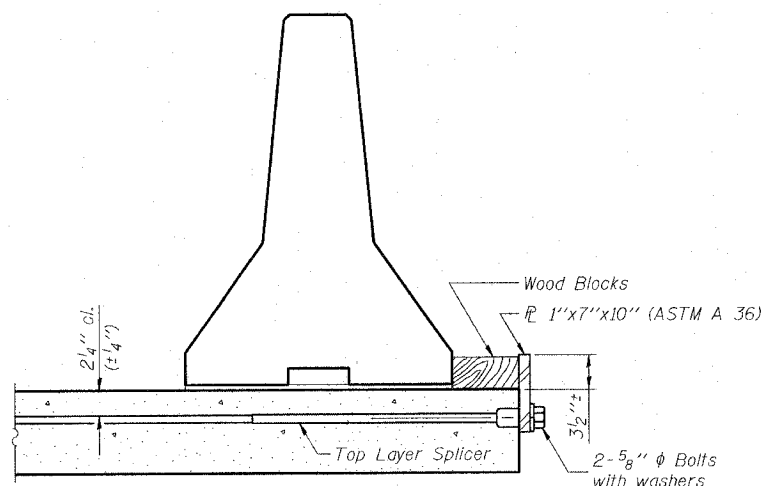
DETAIL I

The 1''x7''x10'' Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.

Wood Blocks
℄ 1''x7''x10'' (ASTM A 36)

3½''
2¼'' cl. (±¼'')

Extended #5 bars

#5 bars

2-⅝'' φ Expansion Anchors or cast in place inserts with a certified min. proof load of 5,000 Lbs.

DETAIL II

The 1''x7''x10'' 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.

10''

7''
5¾''
1¼''

Top bars spacing
Detail I
3''   3''
Detail II

℄ ⅞'' φ Holes
* ℄ 1''x1½'' Notch
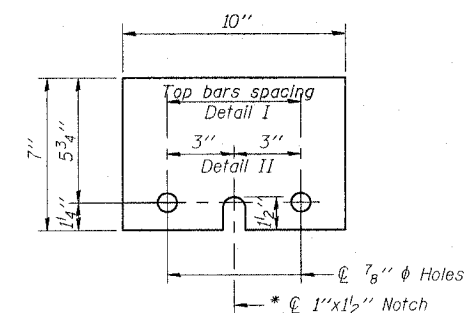
℄ 1''x7''x10''
* Required only with Detail II

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION

THOUVENOT, WADE & MOERCHEN, INC.

TWM

DESIGNED	-	ALN
CHECKED	-	BWP
DRAWN	-	JMI, DEH
CHECKED	-	ALN

R-27   9-01-03

ILLINOIS ROUTE 161 OVER
TRIBUTARY TO SCHOENBERGER CREEK
F.A.P. ROUTE 805 - SECTION 147BR
ST. CLAIR COUNTY
STATION 101+03.82
STRUCTURE NO. 082-0102 (N.B.)
STRUCTURE NO. 082-0103 (S.B.)

TEMPORARY CONCRETE BARRIER