STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION Stage construction line ------ Stage removal line 1'-10'2" 1'-10'2' Temporary Concrete Barrier When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according NOTES to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6". Detail I - With Bar Splicer or Couplers: Connect one (1) 1''x7''x10'' steel  $\pounds$  to the top layer of couplers with  $2-5_{0'}' \phi$  bolts 3" min. screwed to coupler at approximate 🤅 of each barrier panei. Detail II - With Extended Reinforcement Bars: Connect one (1) 1''x7''x10'' steel  $f_c$  to the concrete slab with  $2^{-5}g'' \notin Expansion Anchors$ • ' , a . . . . . . . . <u>See Detail I</u> or Detail II. Drill 1'4" \$ Holes in existing or cast in place inserts spaced between the slab for 1" \$ x 11" dowel bars. top layer of reinforcement at approximate  ${\mathcal Q}$  of Traffic side only. Cost included with Temporary Concrete Barrier. each barrier panel. Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" 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. NEW SLAB EXISTING SLAB SECTIONS THRU SLAB \*\*Wood blacks ' x 7" x 10" \*\*Wood blocks 10" - R I'' x 7'' x 10'' Top bars Extended #5 bars spacing 311 31 23 - Top Loyer Splicer - #5 bars <u>2-<sup>5</sup>g<sup>™</sup> ∳ Bolts</u> with washers 2-58" \$ Expansion Anchors or cast in place inserts with a certified min. proof load of DETAIL I DETAIL II 5,000 Lbs. STEEL RETAINER P 1" x 7" x 10" \*\* Wood blocks may be omitted when required to provide \* Required only with Detail II minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

11-1-06

R-27

ALLEN HENDERSON & ASSOCIATES, INC.

CONSULTING CIVIL AND STRUCTURAL ENGINEERS SPRINGFIELD, IL. PHONE: (217) 544-8033 IL DESIGN FIRM NO. 184-001907

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3 OF 18 SHEETS
F.A.P. 656	(D)	TAZEWELL	32	14	
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT			
CONTRACT	NO. 68024				



← € <sup>7</sup>s'' ¢ Holes \* @ 1" x 1'2" Notch

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION IL. ROUTE 29 OVER CRANE CREEK F.A.P. ROUTE 656 - SECTION (I)I TAZEWELL COUNTY STA. 166+53.50 S.N. 090-0053