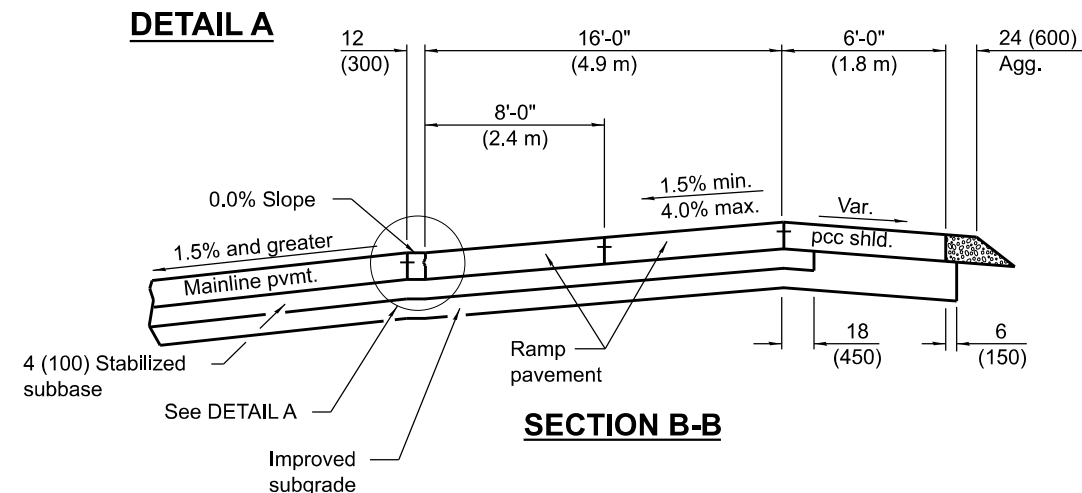
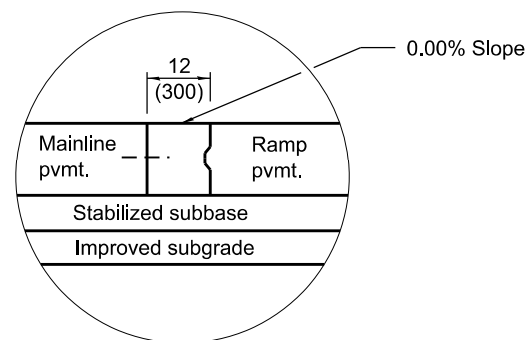
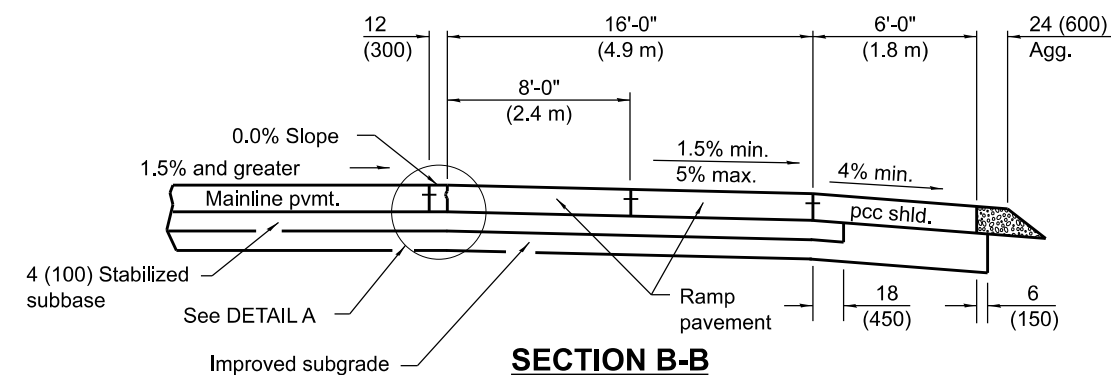
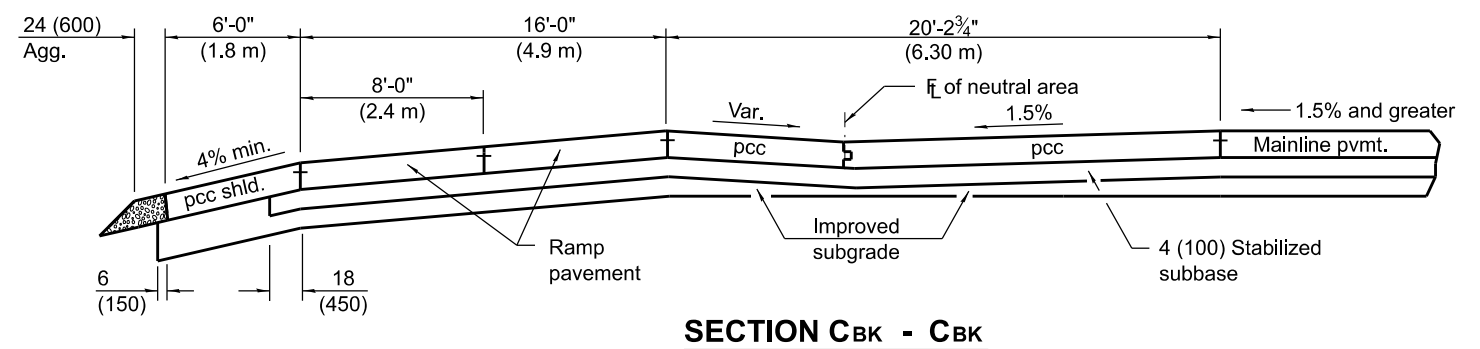
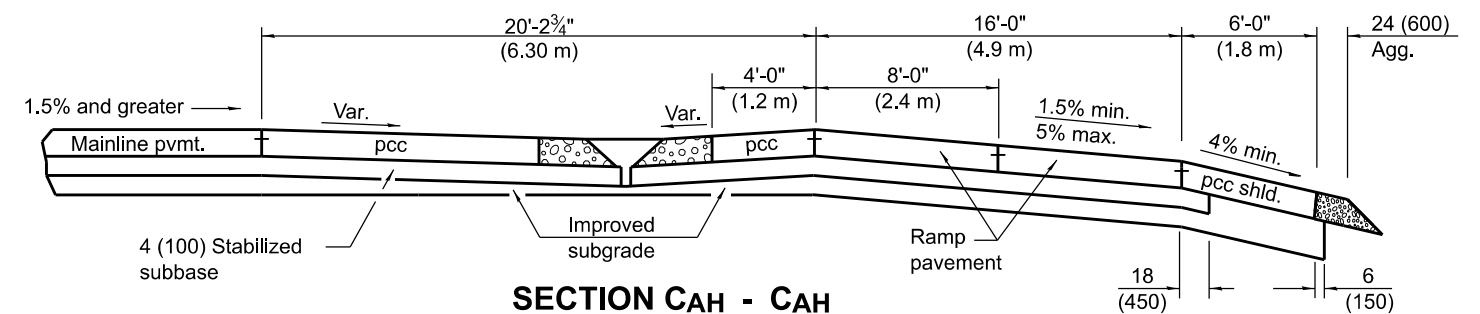


DATE	REVISIONS
1-1-22	Revised General Note for joints and joint spacings.
1-1-18	Changed tie bar spacing to 36 (900) cts.

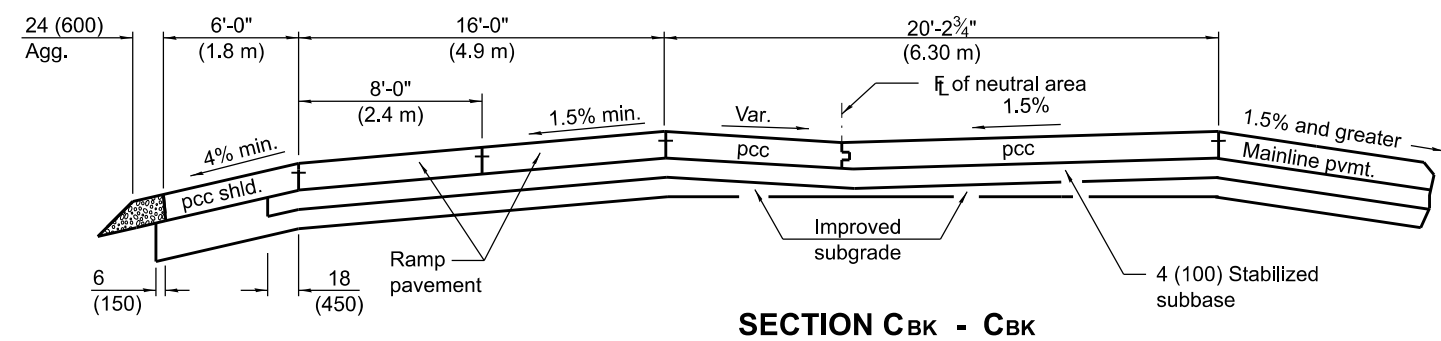
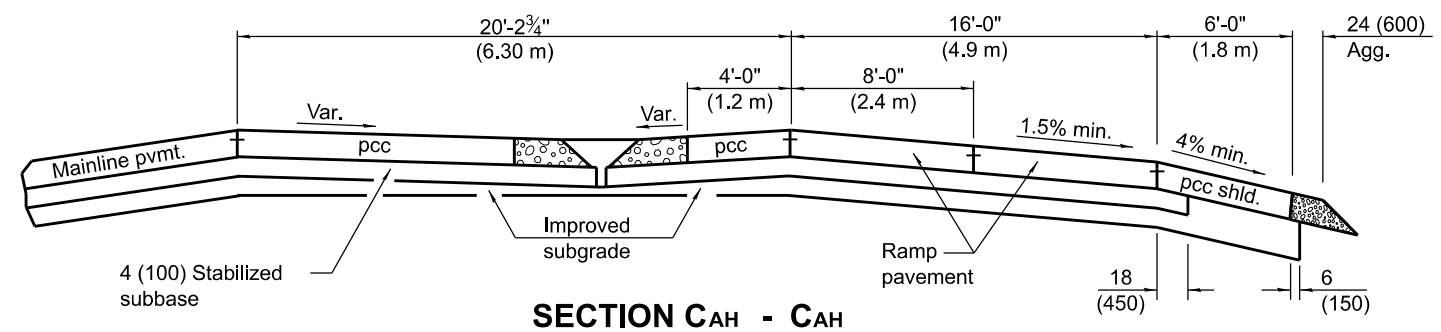


WHEN MAINLINE IS ON TANGENT OR CURVED TO THE RIGHT

WHEN MAINLINE IS CURVED TO THE LEFT



BK = Back
AH = Ahead



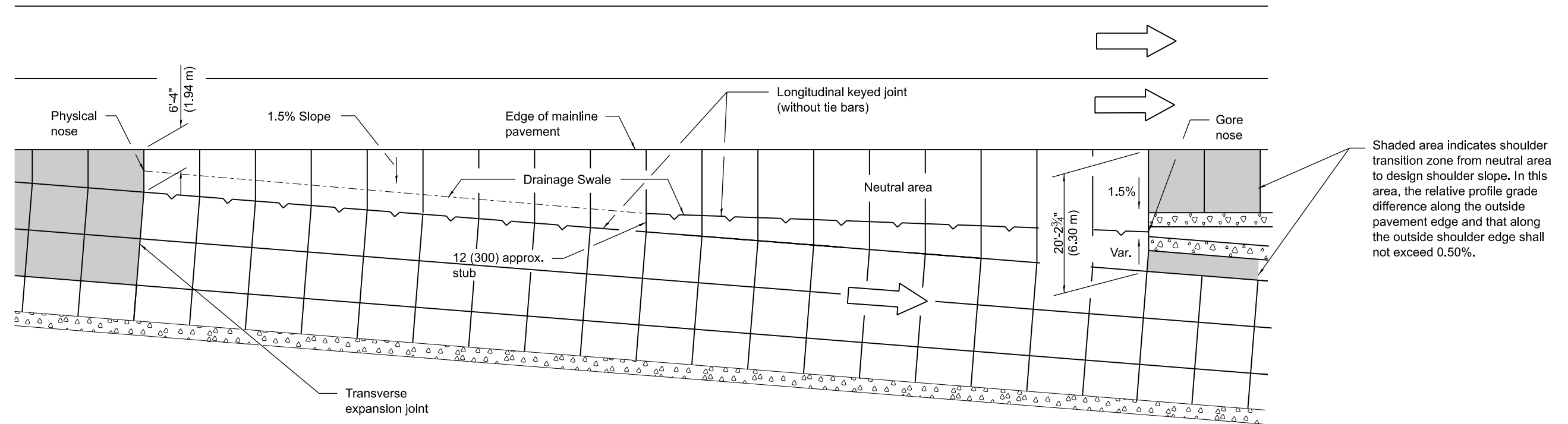
See Sheet 3 for GENERAL NOTES

EXIT RAMP TERMINAL

(JOINTED PCC RAMP PAVEMENT
ADJACENT TO JOINTED PCC MAINLINE PAVEMENT)

(Sheet 2 of 3)

STANDARD 420301-09



DETAILS FOR DRAINAGE IN NEUTRAL AREA

GENERAL NOTES

The initial ramp grade (G_2) is based on the line generated through the PI that is 105' (32 m) past Section C-C and the point created by the vertical offset at Section D-D.

See plans for actual grades.

Pavement joints and joint spacings shall be as shown on Standards 420001, 420101, and 420106.

See Standard 483001 for ramp shoulder details.

In the neutral area, provide a swale and flush inlet to enhance drainage.

When using grades expressed in %, the grade values shall be divided by 100 to obtain vertical offsets.

Where an exit ramp terminal is proposed adjacent to a mainline horizontal curve, construct the edge of the terminal by using offset widths, and for the terminal segment downstream from Section C-C to R_1 , construct the ramp as a 141' (43 m) tangent section.

All dimensions are in inches (millimeters) unless otherwise shown.


① Vertical offsets in inches for right edge of ramp, when e = 8%			
Sections	Mainline on Tangent	Mainline Curved Right	Mainline Curved Left
A	- 0.18	S.E. % ML x 12	S.E. % ML x 12 ②
B	- 3.0	S.E. % ML x 192	S.E. % ML x 192 ②
C	- 3.0	S.E. % ML x 192	- 3.0
D	- 15.4	- 15.4	- 15.4

① Vertical offsets in mm for right edge of ramp, when e = 8%			
Sections	Mainline on Tangent	Mainline Curved Right	Mainline Curved Left
A	- 5	S.E.% ML x 300	S.E.% ML x 300 ②
B	- 74	S.E.% ML x 4900	S.E.% ML x 4900 ②
C	- 74	S.E. % ML x 4900	- 74
D	- 392	- 392	- 392

① Vertical offset values are calculated and based on the right edge of mainline pavement at 0.0 % grade.

② The vertical offsets of these points are above the mainline pavement and lie on an upgrade in relationship to the mainline grade.

③ S.E. = Superelevation Rate

 Illinois Department of Transportation	ISSUED 1-1-97
APPROVED January 1, 2022 <i>Michael Brand</i> ENGINEER OF POLICY AND PROCEDURES	
APPROVED January 1, 2022 <i>Scott Cline</i> ENGINEER OF DESIGN AND ENVIRONMENT	

EXIT RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO JOINTED PCC MAINLINE PAVEMENT) (Sheet 3 of 3)
STANDARD 420301-09