

See Sheet 3 for GENERAL NOTES

Illinois Department of Transportation

PASSED January 1, 2008
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT

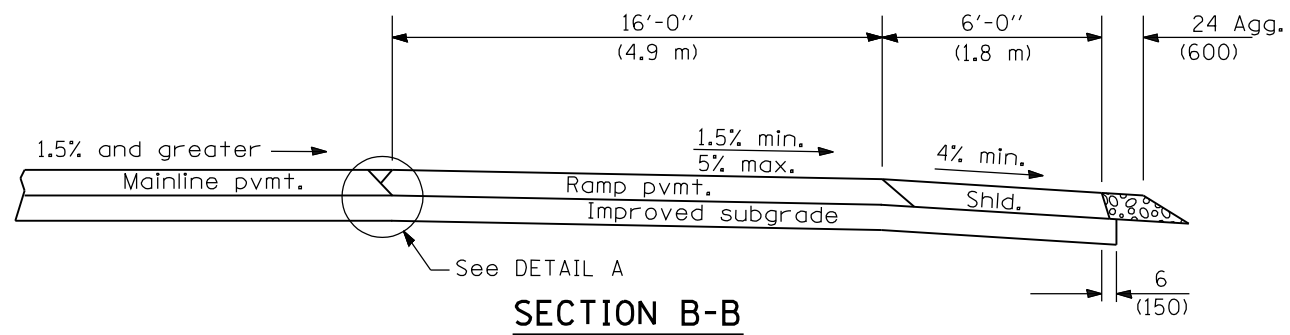
ISSUED 1-1-97

| DATE | REVISIONS |
|--------|--|
| 1-1-08 | Switched units to English (metric). |
| 1-1-07 | Switched to Hot-Mix Asphalt (HMA) terminology. |

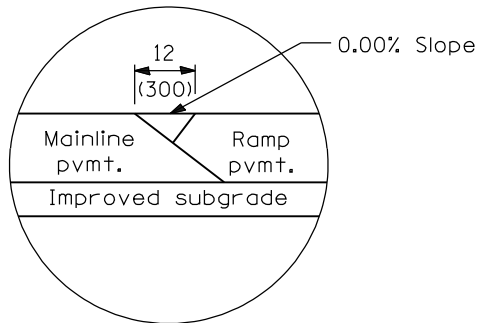
EXIT RAMP TERMINAL
(FLEXIBLE RAMP PAVEMENT ADJACENT TO FLEXIBLE MAINLINE PAVEMENT)

(Sheet 1 of 3)

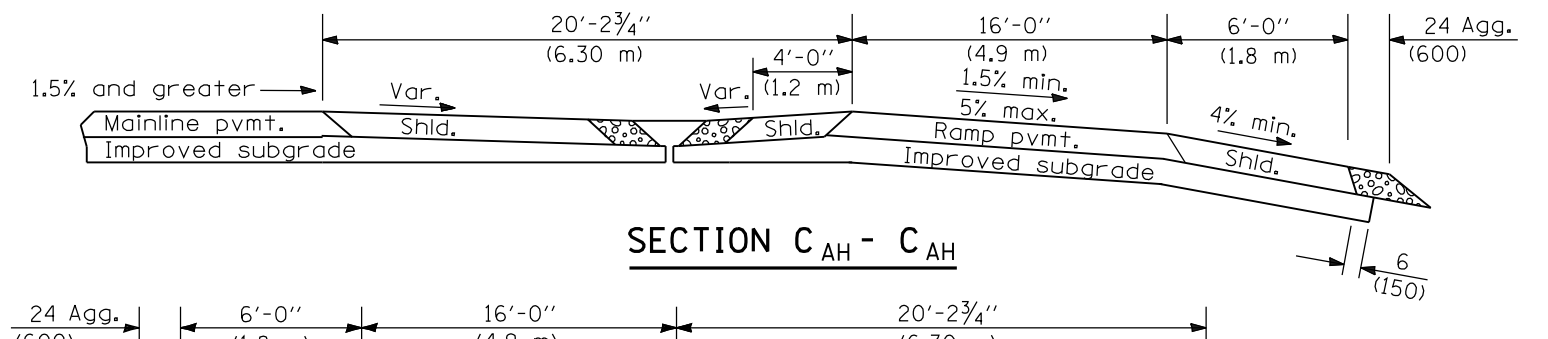
STANDARD 406101-04



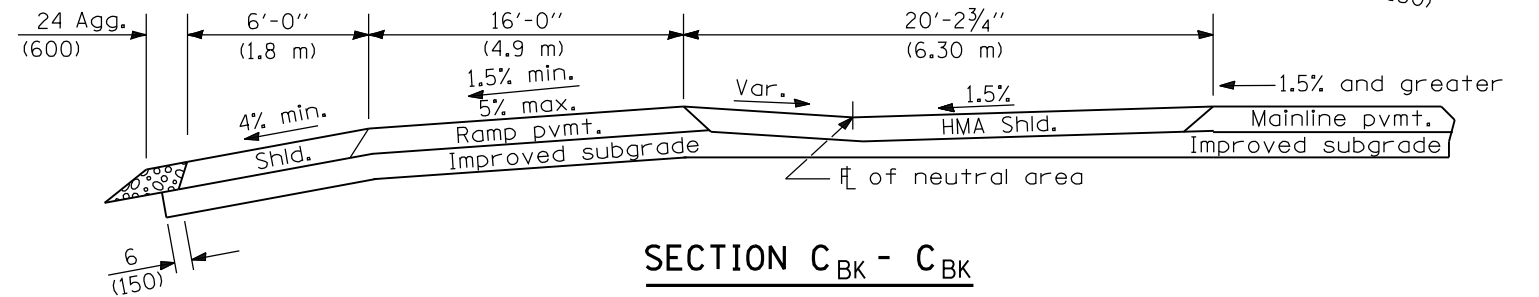
SECTION B-B



DETAIL A



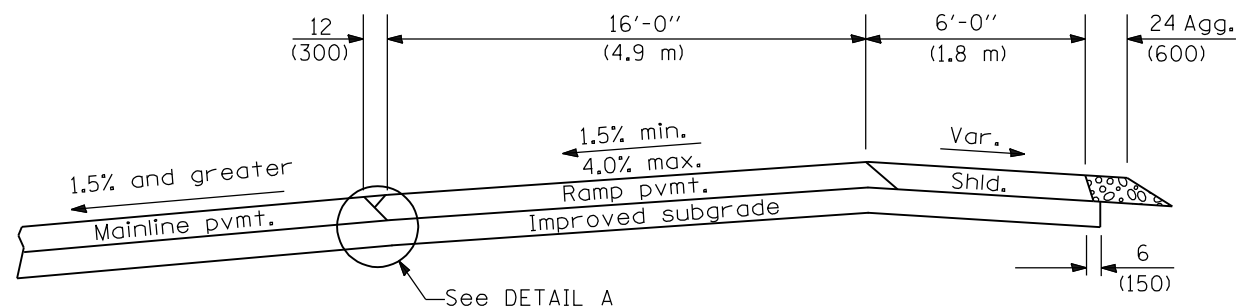
SECTION C_{AH} - C_{AH}



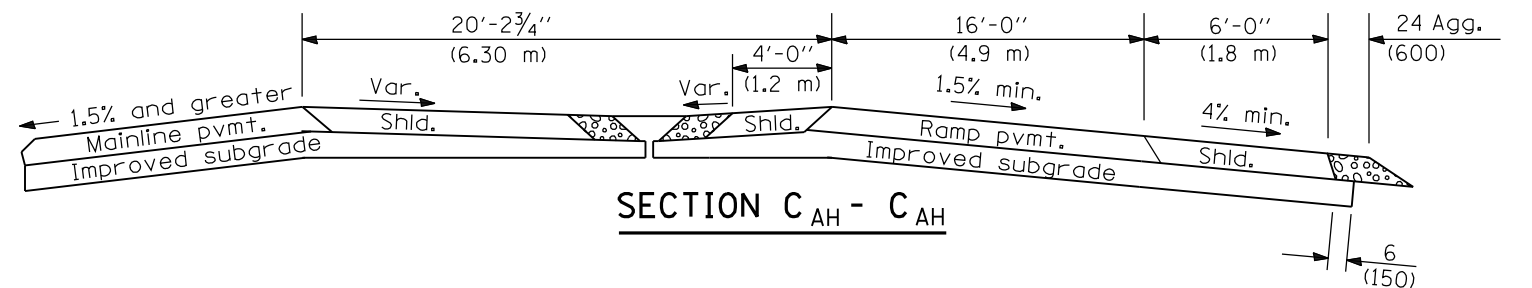
SECTION C_{BK} - C_{BK}

BK = Back
AH = Ahead

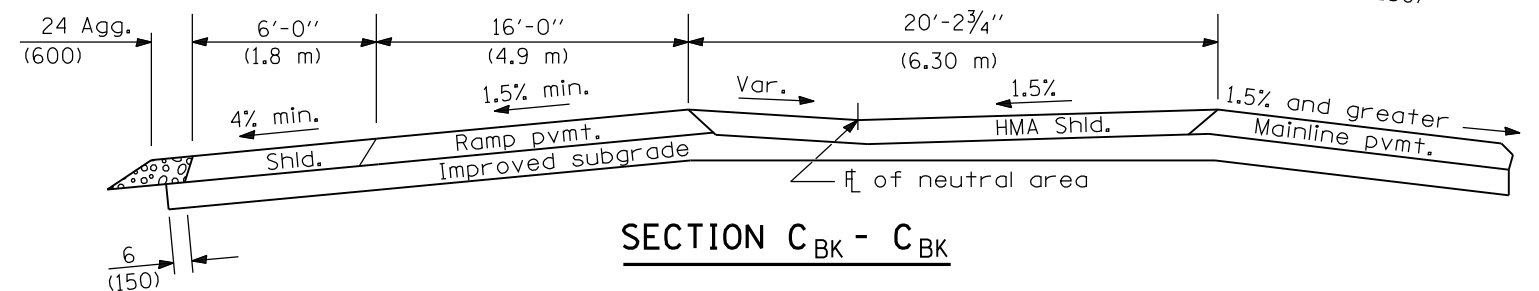
WHEN MAINLINE IS ON TANGENT OR CURVED TO THE RIGHT



SECTION B-B



SECTION C_{AH} - C_{AH}



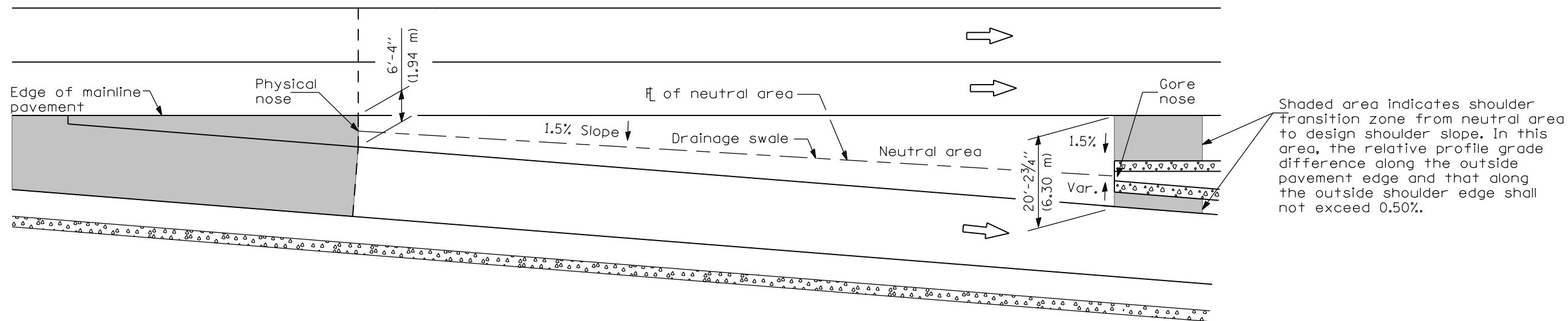
SECTION C_{BK} - C_{BK}

WHEN MAINLINE IS CURVED TO THE LEFT

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EXIT RAMP TERMINAL
 (FLEXIBLE RAMP PAVEMENT ADJACENT
 TO FLEXIBLE MAINLINE PAVEMENT)
 (Sheet 2 of 3)
STANDARD 406101-04



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 ft. (32 m) past Section C-C and the point created by the vertical offset at Section D-D.

See plans for actual grades.

See Standard 482001 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 140 ft. (43 m) tangent section.

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

Vertical offsets in inches for right edge of ramp, when $R_1 = 765'$

| 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 $R_1 = 230$ m

| 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

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