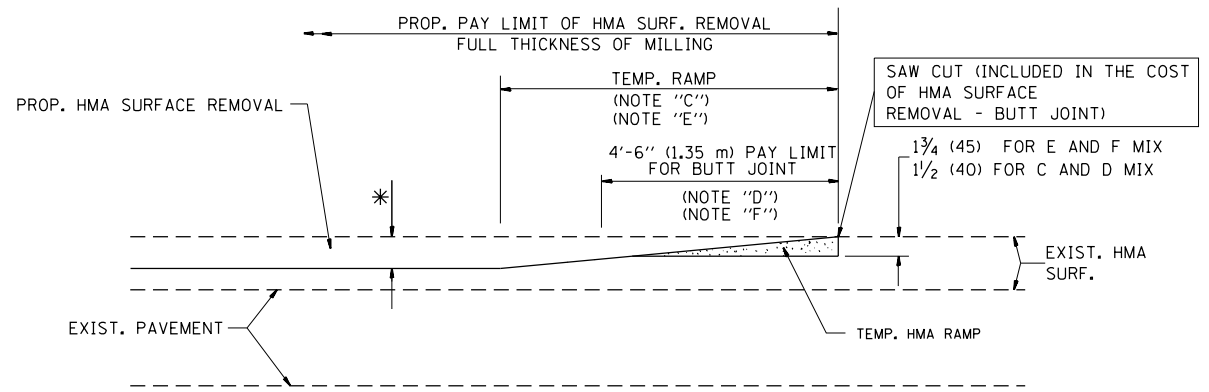


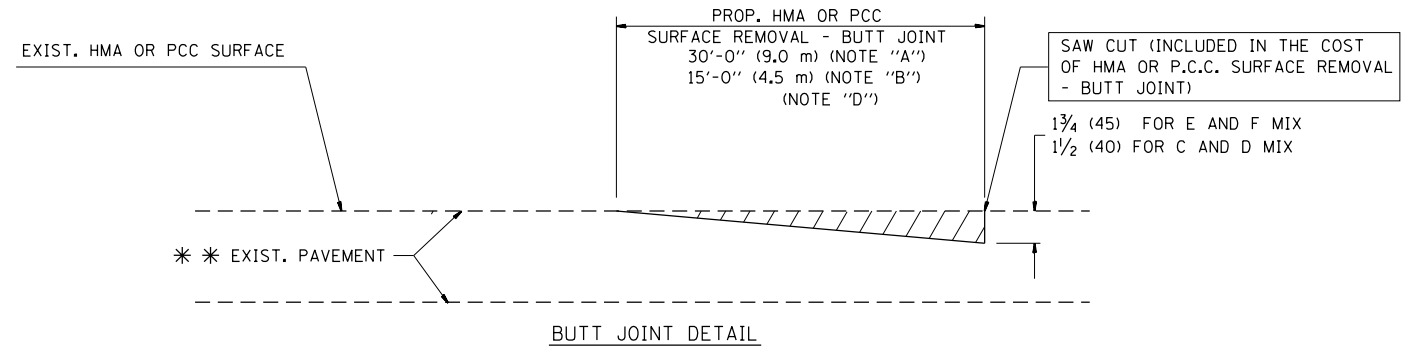
MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

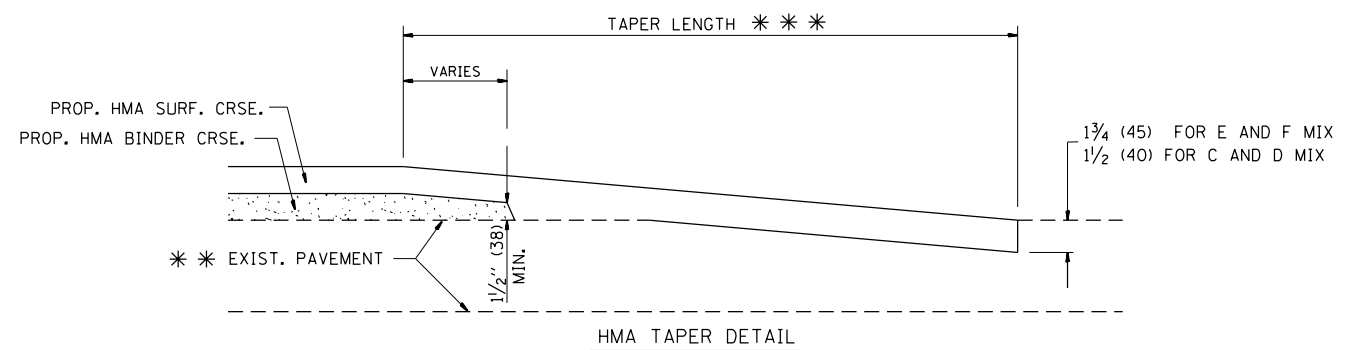


HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2  
TYPICAL TEMPORARY RAMP



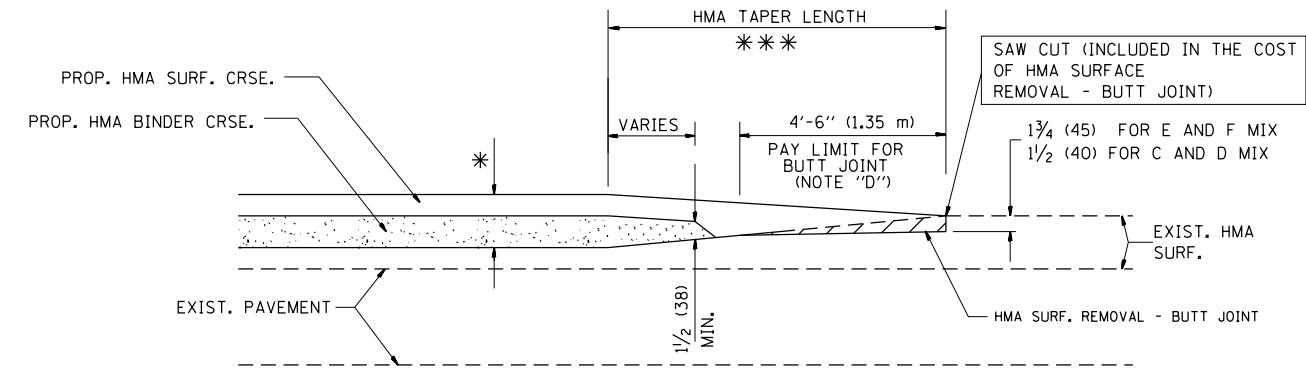
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER  
FOR RESURFACING ONLY

\* \* \* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND  
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

- \* \* \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \* \* \* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
- 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

|  |                       |                       |                             |
|--|-----------------------|-----------------------|-----------------------------|
| FILE NAME =                                      | USER NAME = Bilgramis | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94  |
| c:\pwwork\pwwork\bilgramis\d0278421\d0278421.dgn |                       | DRAWN -               | REVISED - A. ABBAS 03-21-97 |
| PLOT SCALE = 1/8" = 1'-0"                        |                       | CHECKED -             | REVISED - M. GOMEZ 04-06-01 |
| PLOT DATE = 3/25/2013                            |                       | DATE - 06-13-90       | REVISED - R. BORO 01-01-07  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                                     |  |                         |  |              |  |
|-------------------------------------|--|-------------------------|--|--------------|--|
| SCALE: NONE                         |  | SHEET NO. 1 OF 1 SHEETS |  | STA. TO STA. |  |
| BUTT JOINT AND<br>HMA TAPER DETAILS |  | F.A. RTE.               |  | SECTION      |  |
|                                     |  | 22                      |  | 2011-086-R5  |  |
|                                     |  | BD400-05                |  | BD32         |  |
|                                     |  | CONTRACT NO.            |  | 60R13        |  |

|   |             |        |                    |           |
|---|-------------|--------|--------------------|-----------|
| F.A. RTE.                                       | SECTION     | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 22  | 2011-086-R5 | COOK   | 18                 | 12        |
| BD400-05 BD32                                   |             |        | CONTRACT NO. 60R13 |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |        |                    |           |