F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5 B5	19 RS-1	WILL	33	26

STA.   TO STA.

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT
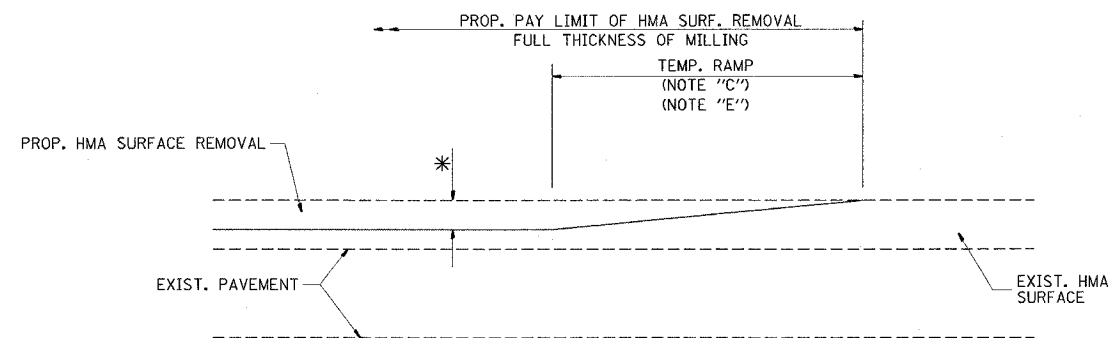
PROP. PAY LIMIT OF HMA SURF. REMOVAL
FULL THICKNESS OF MILLING

TEMP. RAMP
(NOTE "C")
(NOTE "E")

PROP. HMA SURFACE REMOVAL

EXIST. PAVEMENT

EXIST. HMA SURFACE

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

OPTION 1

PROP. PAY LIMIT OF HMA SURF. REMOVAL
FULL THICKNESS OF MILLING

TEMP. RAMP
(NOTE "C")
(NOTE "E")

PROP. HMA SURFACE REMOVAL

4'-6" (1.35 m) PAY LIMIT
FOR BUTT JOINT
(NOTE "D")
(NOTE "F")

SAW CUT (INCLUDED IN THE COST
OF HMA SURFACE
REMOVAL - BUTT JOINT)

1¾ (45) FOR E AND F MIX
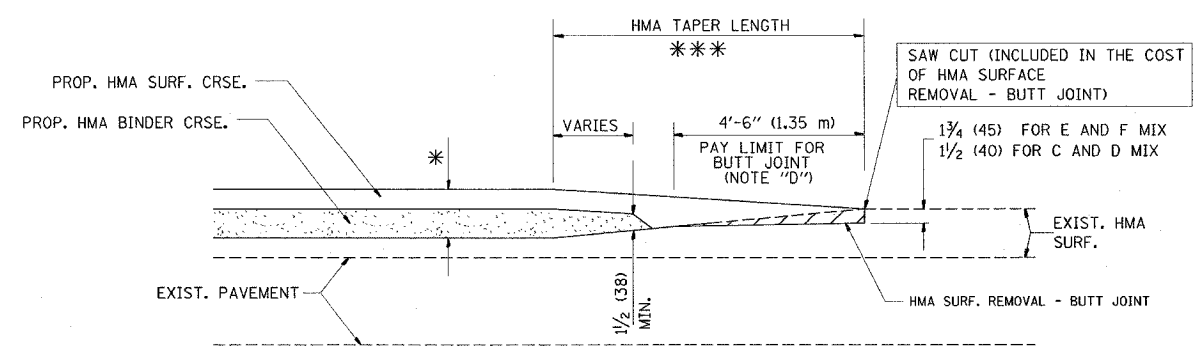1½ (40) FOR C AND D MIX

EXIST. HMA SURF.

EXIST. PAVEMENT

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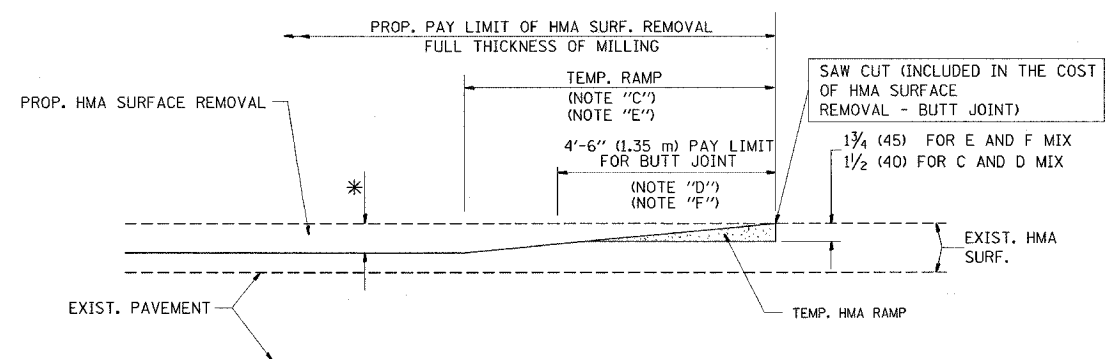
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP

HMA TAPER LENGTH
***

PROP. HMA SURF. CRSE.
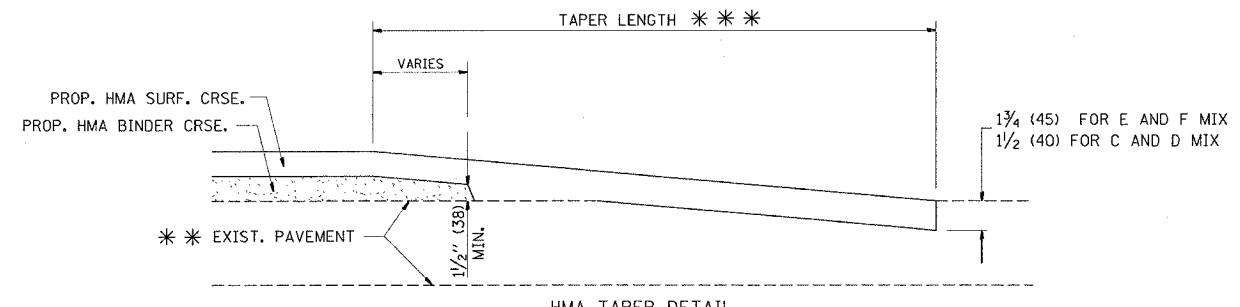PROP. HMA BINDER CRSE.

VARIES

4'-6" (1.35 m)
PAY LIMIT FOR
BUTT JOINT
(NOTE "D")

SAW CUT (INCLUDED IN THE COST
OF HMA SURFACE
REMOVAL - BUTT JOINT)

1¾ (45) FOR E AND F MIX
1½ (40) FOR C AND D MIX

EXIST. HMA SURF.

1½ (38) MIN.

EXIST. PAVEMENT

HMA SURF. REMOVAL - BUTT JOINT

BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING

EXIST. HMA OR PCC SURFACE

PROP. HMA OR PCC
SURFACE REMOVAL - BUTT JOINT
30'-0" (9.0 m) (NOTE "A")
15'-0" (4.5 m) (NOTE "B")
(NOTE "D")

SAW CUT (INCLUDED IN THE COST
OF HMA OR P.C.C. SURFACE REMOVAL
- BUTT JOINT)

1¾ (45) FOR E AND F MIX
1½ (40) FOR C AND D MIX

✳✳ EXIST. PAVEMENT

BUTT JOINT DETAIL

TAPER LENGTH ✳✳✳

VARIES

PROP. HMA SURF. CRSE.
PROP. HMA BINDER CRSE.

1¾ (45) FOR E AND F MIX
1½ (40) FOR C AND D MIX

✳✳ EXIST. PAVEMENT

1½" (38) MIN.
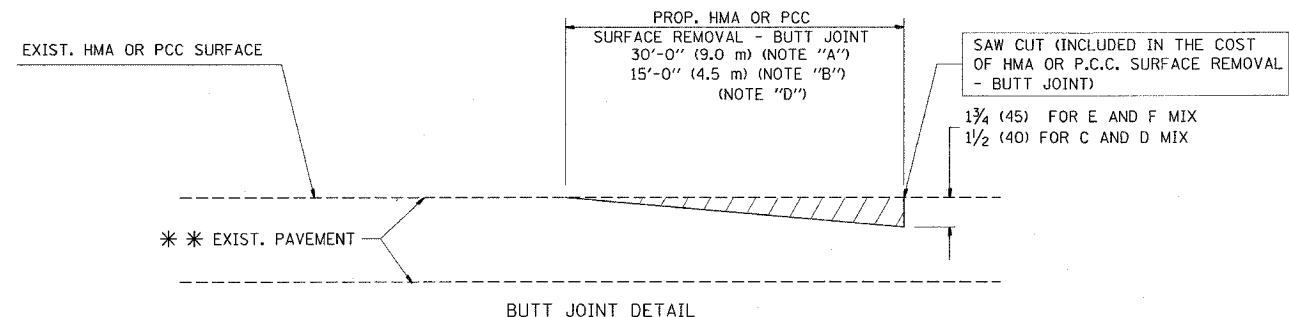
HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

✳✳ PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

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")

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

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".

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER
DETAILS

SCALE: VERT. NONE
HORIZ.

DRAWN BY

CHECKED BY

BD400-05 (VI=BD32)

PLOT DATE = 2/15/2007
FILE NAME = W:\data\std\bd32.dgn
PLOT SCALE = 49.9999 / IN.
USER NAME = benkal