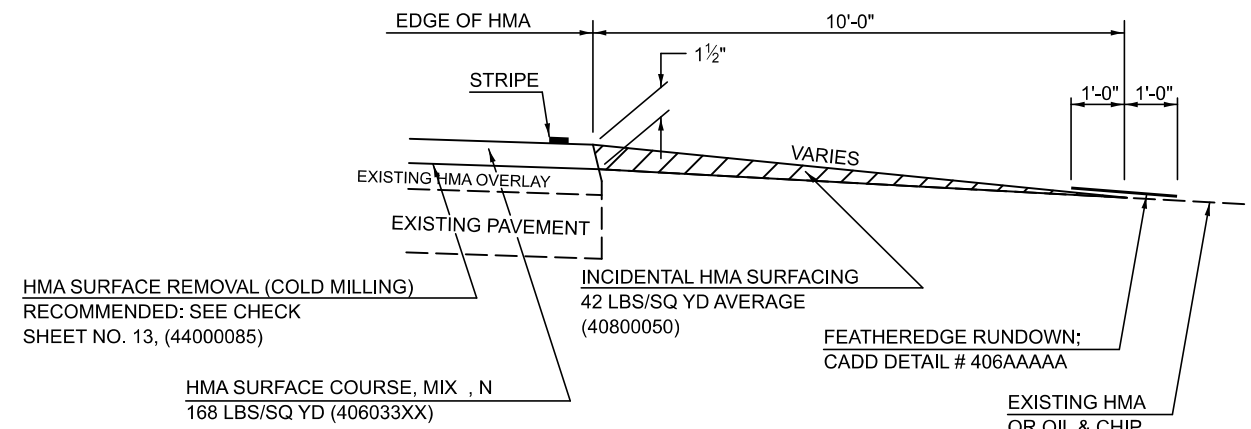
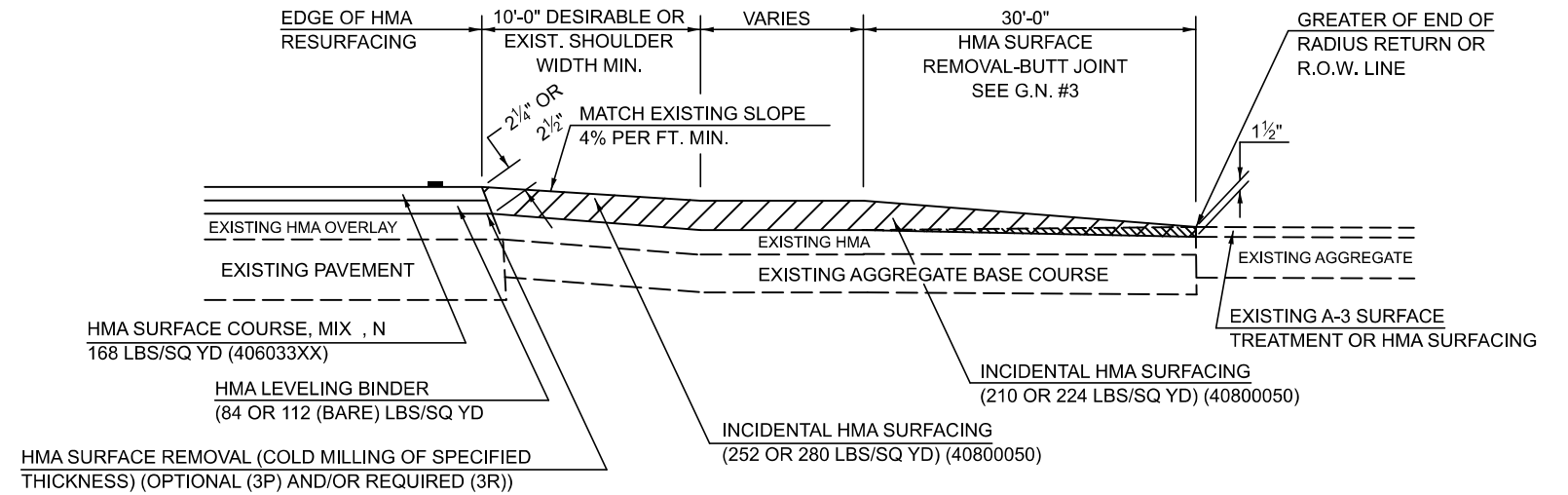


**PROJECTS WITHOUT RECONSTRUCTION**

**S.M.A.R.T. IMPROVEMENTS  
(ALSO CONTRACT MAINTENANCE)**

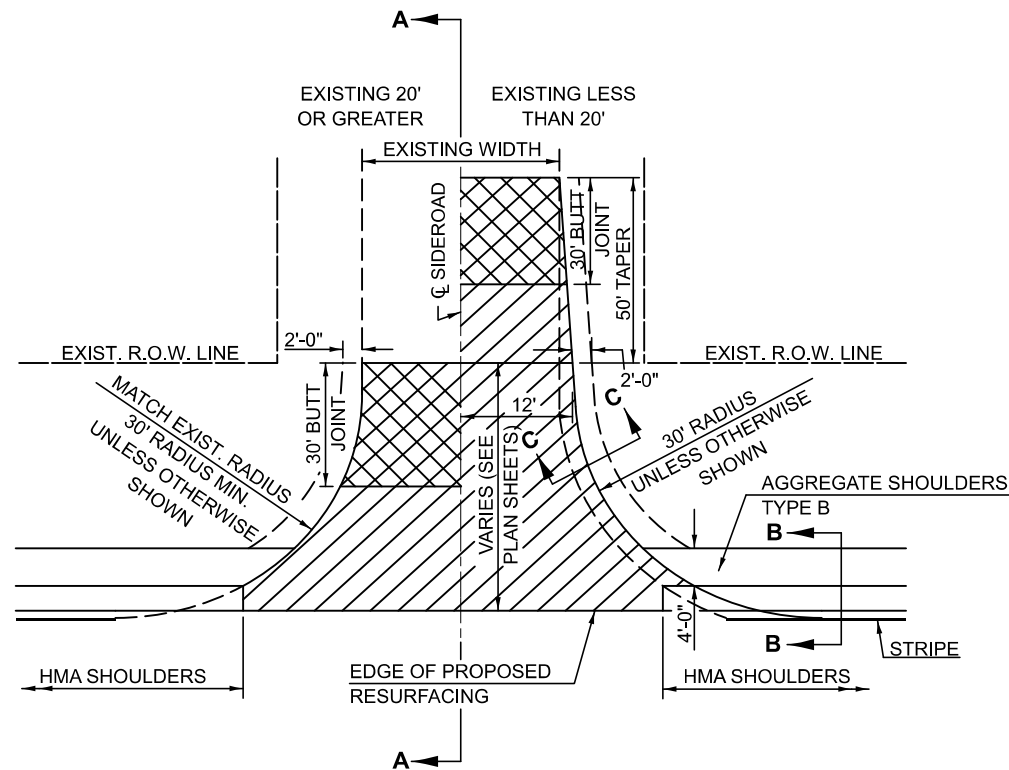


**"3P" OR "3R" IMPROVEMENTS**

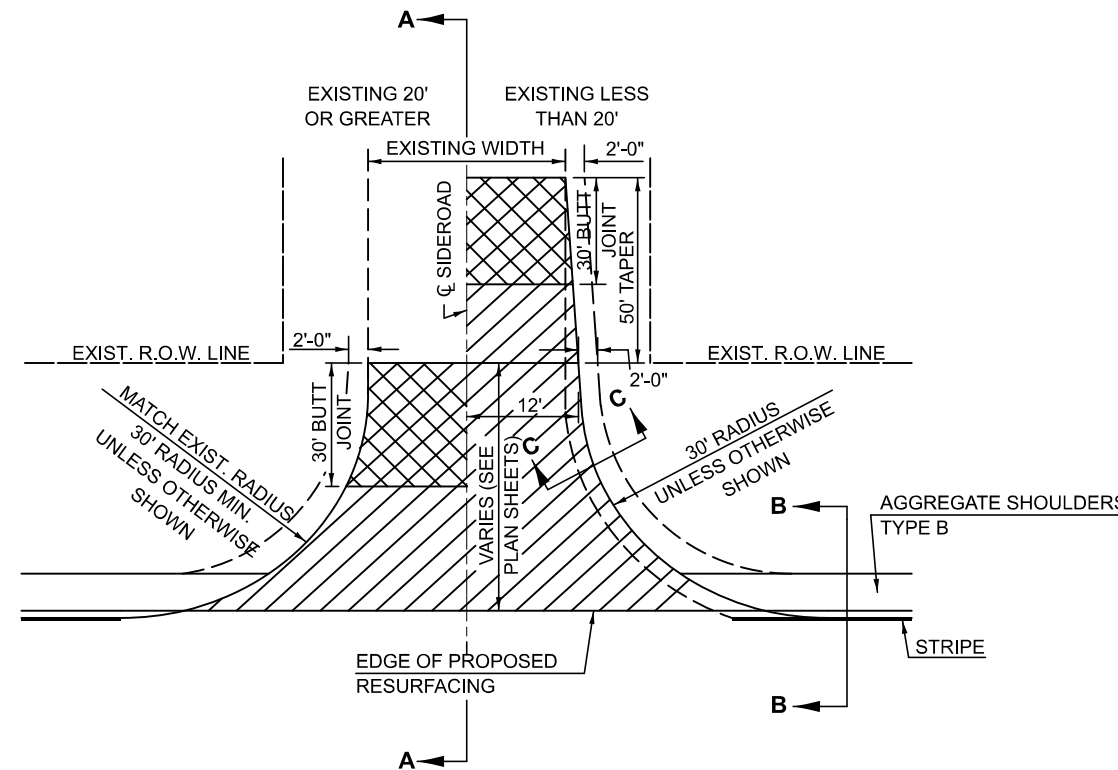


**PROJECTS WITH RECONSTRUCTION  
("3R" IMPROVEMENTS)**

**WITH HMA SHOULDER**



**WITHOUT HMA SHOULDER**



**GENERAL NOTES**

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. 408000AA**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEROAD & SIDESTREETS (RURAL)**

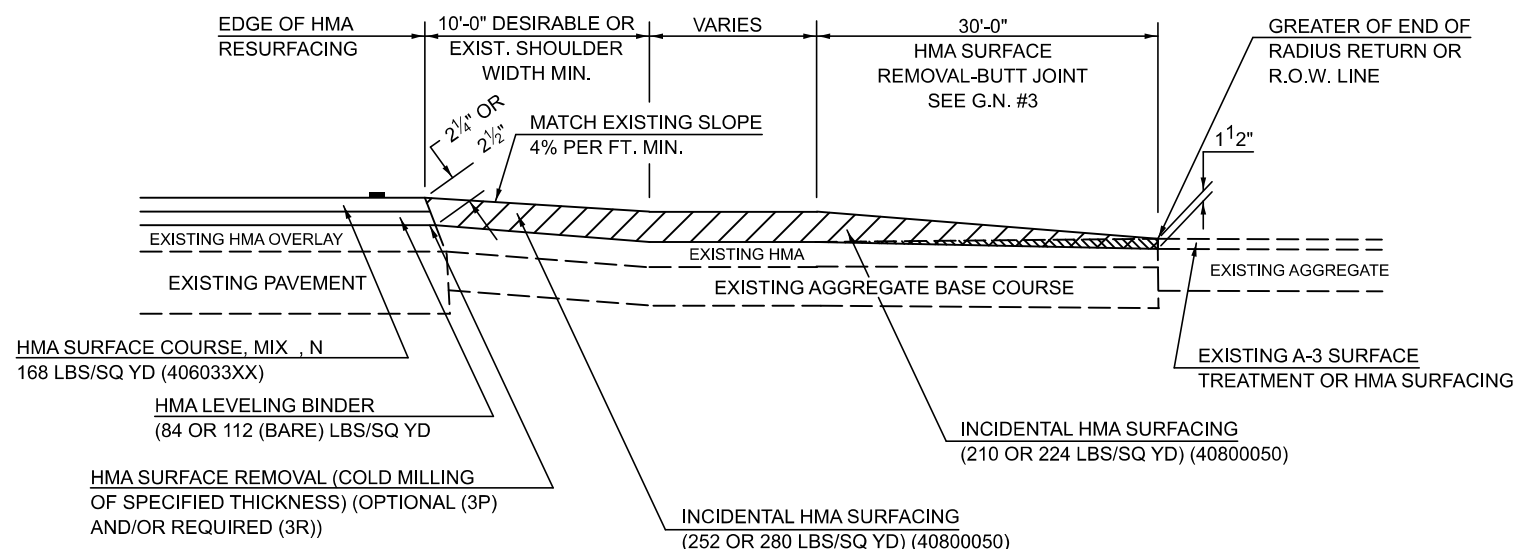
USER NAME = Eric.Thomas	DESIGNED -	REVISED - 12/06 TJB
	DRAWN -	REVISED - 09/07 KAG
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED - 12/09 KJT
PLOT DATE = 12/7/2022	DATE -	REVISED -

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

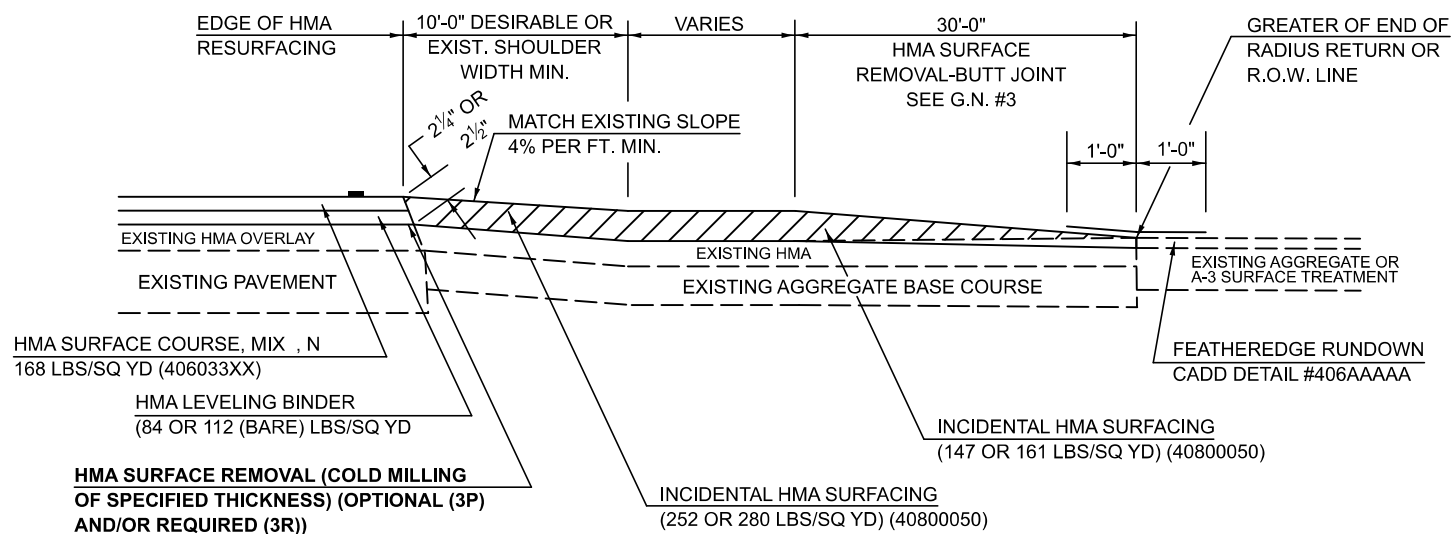
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: SHT\_PLAN  
FILE NAME: C:\Bentley\CONNECT\10110\organizer\ChilIDOT\_Standards\CivilIDOT\_Sheets.cad

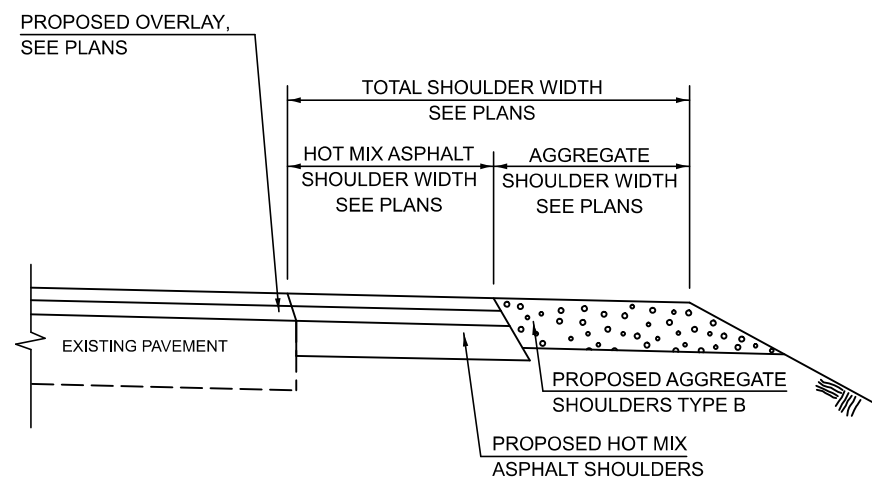
**SECTION A-A  
EXISTING HMA OR PCC SIDEROAD (>400 ADT)**



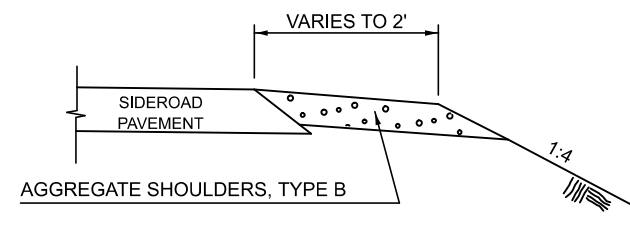
**SECTION A-A  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)**



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)												
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance					
	min.	des.	max.	min.	des.	max.	min.	des.	max.			
SURFACE WIDTH (FT); (Measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	Resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA						Resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA		
RADIUS (FT)	30	30										
SHOULDER WIDTH (FT)	4	8	10									
SHOULDER SLOPE (%)	2	4	12									
ENTRANCE GRADE (%)	1	1 to 4	4									
BREAKOVER (%)	0	5	10									
SIDE SLOPE (FT)	1:10	1:6	1:4									
INTERSECTION ANGLE	60	75 to 90										
<b>SURFACE TYPE</b>												
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge					
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base								
PCC PAVEMENT (INCH)		8										



**SECTION B-B  
MAINLINE SHOULDER TREATMENT**



**SECTION C-C  
SIDEROAD SHOULDER TREATMENT**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. 40800AA**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEROAD & SIDESTREETS (RURAL)**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

USER NAME = Eric.Thomas	DESIGNED -	REVISD - 12/06 TJB
	DRAWN -	REVISD - 09/07 KAG
PLOT SCALE = \$SCALE\$	CHECKED -	REVISD - 12/09 KJT
PLOT DATE = 12/7/2022	DATE -	REVISD -

MODEL: SHT\_PLAN  
FILE NAME: C:\Bentley\CONNECT10110\organizer\Chilidot\_Standards\Chilidot\_Sheets.cad