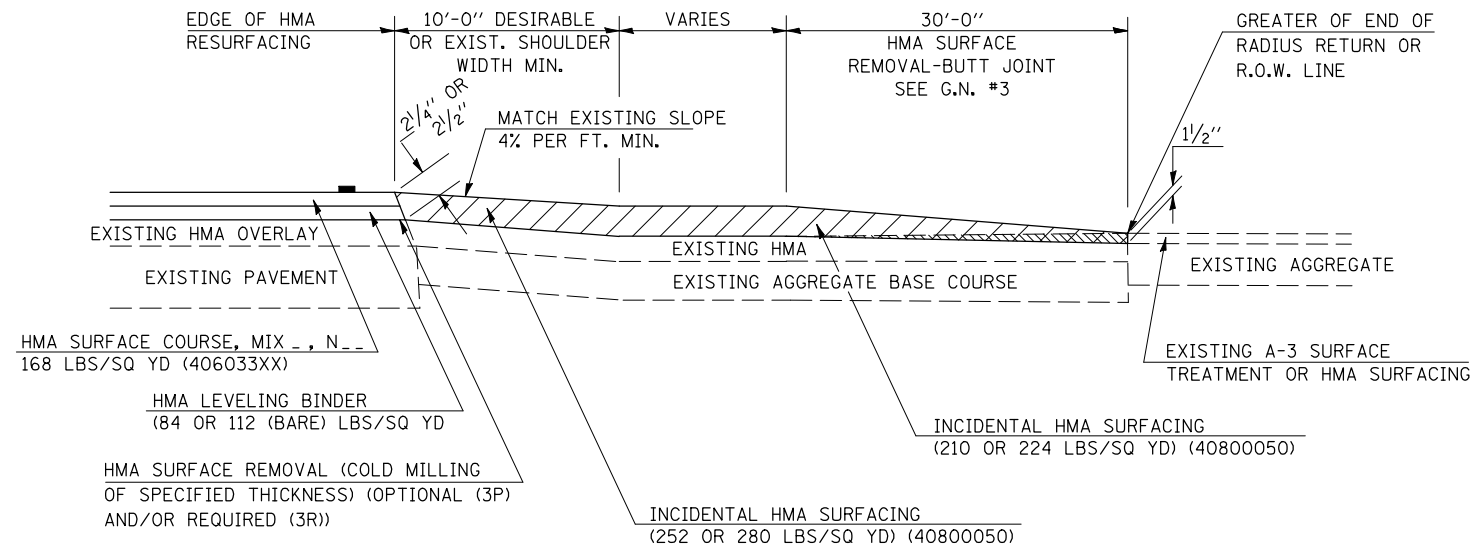
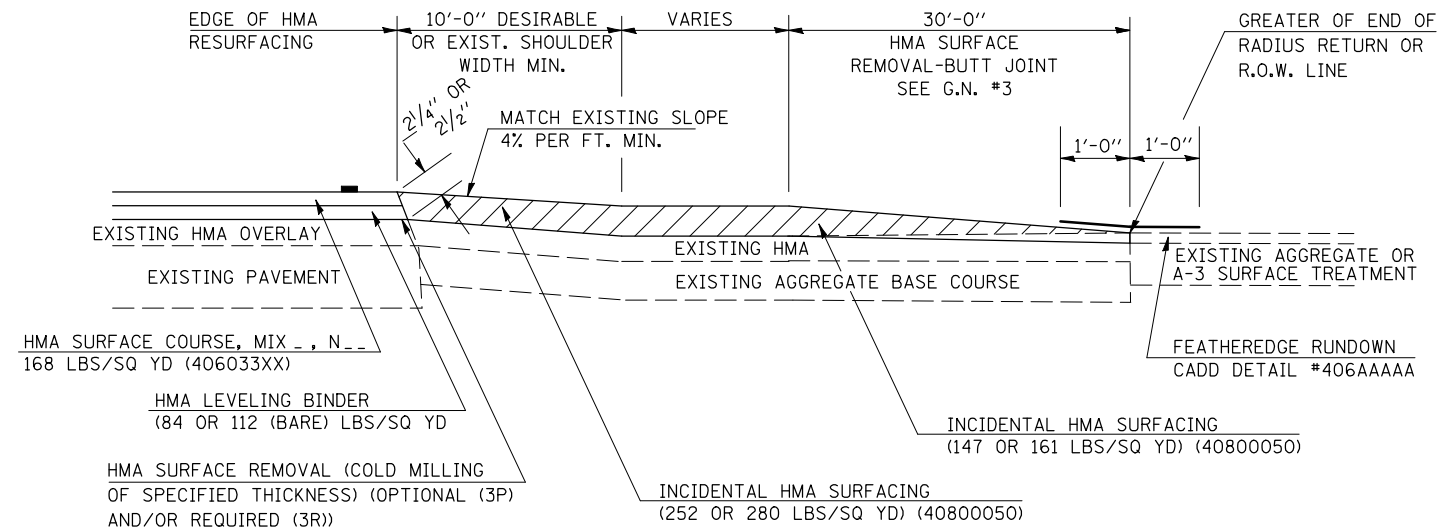


DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-06 CONSULT CHAPTER 49 OF BDE MANUAL

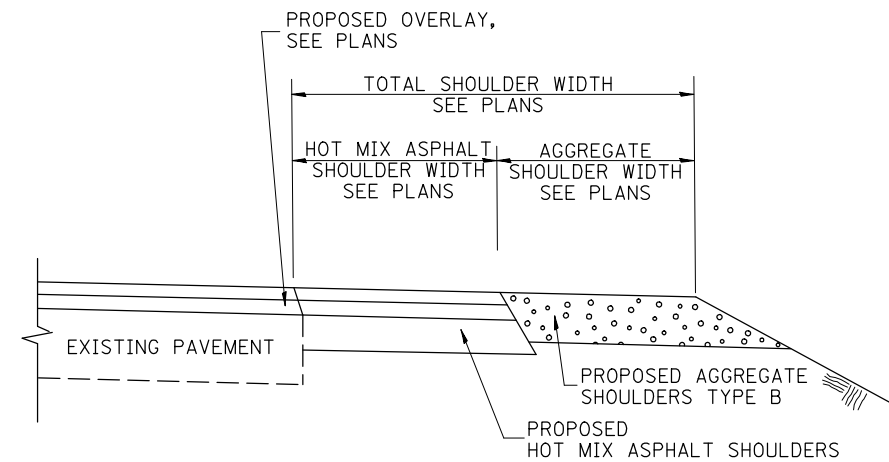
**SECTION A-A**  
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



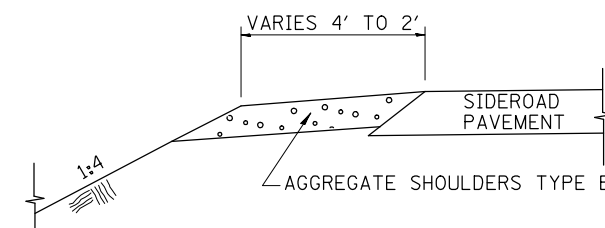
**SECTION A-A**  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



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	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. 408000AA**

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 12/13/06 TJB
ct:\pw\work\PIWIDOT\SHERRERJM\dms86674\0570388-sh1-details.dgn		DRAWN -	REVISED - 09/21/07 KAG
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2009	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEROADS & SIDESTREETS (RURAL)**

SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1517	12VBR-1	PIATT	168	77
CONTRACT NO. 70388				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				