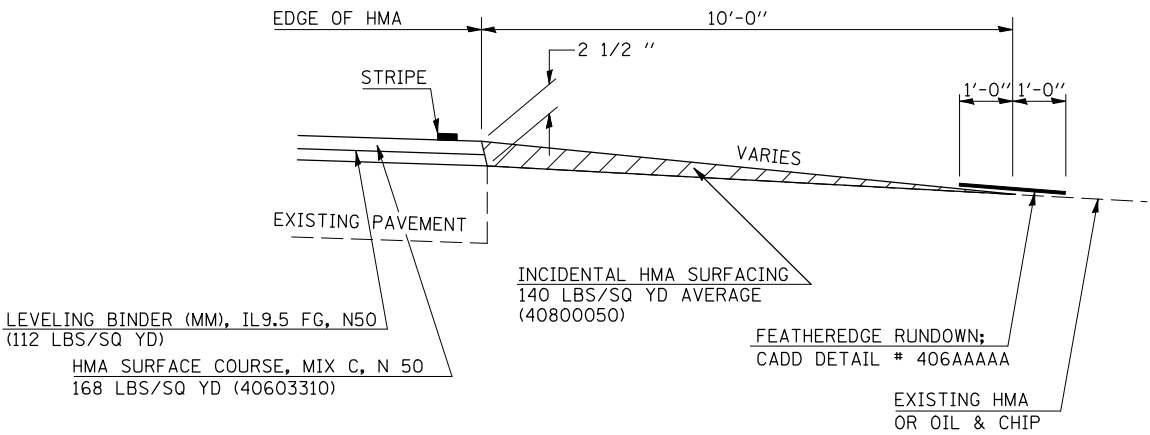


SIDEROAD & SIDESTREETS



*FOR GREEN APPLE LANE,
USE PCC OPTION SHOWN ON
PRIVATE & COMMERCIAL
ENTRANCES DETAIL SHEET.

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.

RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)										
	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance			
DESIGN ELEMENT	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								
SURFACE TYPE										
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								

FILE NAME = c:\pw_work\pwwid\coombessf\d0254836\DS70921-sht-details.dgn	USER NAME = coombessf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEROAD & SIDESTREETS					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							1531	(10,11)RS	PIATT	18	13
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -							CONTRACT NO. 70921				
	PLOT DATE = 3/2/2011	DATE -	REVISED -							ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			