PROJECTS WITH RECONSTRUCTION AGGREGATE ENTRANCE (3R IMPROVEMENTS) HMA OR PCC ENTRANCE WIDTH (SEE TABLE) EXIST. R.O.W. LINE EXIST. R.O.W. LINE 2'-0" (600 mm) BEYOND RADIUS IN ALL CASES BEGIN OR END RADIUS · WIDTH · POINT ENTRANCE DIRECTLY RADIUS POINT 15' (4.5 m) R (TYP) PRIVATE 20' (6.1 m) R (TYP) COMMERCIAL (SEE TABLE) ACROSS FROM POINT RADIUS POINT (TYP.) BEGIN OR END 2'-0" (600 mm) UNLESS OTHERWISE SHOWN ENTRANCE DIRECTLY BEYOND RADIUS EDGE OF HMA IN ALL CASES ACROSS FROM SHOULDER RADIUS POINT (TYP.) POINT EDGE OF HMA RESURFACING 15' (4.5 m) R. STRIPE STRIPE STRIPE WIDTH OF PROPOSED (TYP.) UNLESS BITUMINOUS SHOULDER OTHERWISE SHOWN Le MAINLINE ROUTE TYPICAL APPLICATION TYPICAL APPLICATION SLOPE SHOWN ON STATION CROSS SECTIONS 10.0' (3.0 m) AGGREGATE SURFACE COURSE WIDTH OF EDGE OF HMA EDGE OF HMA 10'-0" TYPE B - TON (6" OR 8") RESURFACING -21/4" OR 21/2" AGGREGATE SURFACE HMA STRIPE STRIPE COURSE TYPE B, 6" SHOULDER

SECTION A-A

INCIDENTAL HMA SURFACING

SHALL BE THE SAME THICKNESS

RESURFACING (252 OR 280 LBS/SQ YD)

AS THE ADJACENT BITUMINOUS

AGGREGATE BASE

COURSE, TYPE B, 6"

SEE GENERAL NOTE #4

SECTION A-A "HMA EXAMPLE"

INCIDENTAL HMA SURFACING SHALL BE THE SAME

SCALE: NA

THICKNESS AS THE ADJACENT HMA RESURFACING UNLESS

OTHERWISE SHOWN IN THE PLANS (252 OR 280 LBS/SQ YD)

HMA SHOULDERS, 8" (200)

SEE GENERAL NOTE #4

AGGREGATE BASE COURSE, TYPE B

	,			RURAL E	NTRANCE	DESIGN S	TANDARD	S (PPM 40-	09)					
	NEW CONSTRUCTION & 3R with RECONSTRUCTION							3R w/out RECONSTRUCTION, 3P, SMART & CM						
	NONCOMMERCIAL								NON	COMMER	CIAL			
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS		COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
DESIGN ELEMENT	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
						1 LANE, 1 WAY					1 LANE, 1 WAY			
SURFACE WIDTH (FT)	12	16	24	24	30	14	16	24						
			2 LANE, 2 WAY					2	LANE, 2 W	AY				
						24	30	35	accountry.					
RADIUS (FT)	15	25	40	30		20	30	50						
SHOULDER WIDTH (FT)	22	2		22		1	3		resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them					
SHOULDER SLOPE (%)	2	4	6	4		2	4	6						
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	. 0	2 to 5	8 or 10						
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4						
SURFACE TYPE														
NCIDENTAL HMA		2		2		3 or 4			taper from	hma resur	facing thick	ness (2 1/2	". 2 1/4" or	1 1/2") to
SURFACING (INCH)									1 '		nts" and to n	•		,
AGGREGATE SURFACE		6		6		8			if applicable use items: Preparation of Base & Aggregate Base					
COURSE, TYPE B (INCH)									Repair; see PPM 30-02					
PCC DRIVEWAY		6						6 or 8						
PAVEMENT (INCH)										7				***************************************

GENERAL NOTES

- 1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
- 2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- 3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
- 4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES, THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
- 5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
- 6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
- 7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

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

DISTRICT	5	DETAIL	NO.	40800050C
----------	---	--------	-----	-----------

FILE NAME *	USER NAME : cearlookjd	DESIGNED -	REVISED	-	12/08/06 TJB
cr/pw-work/pwsdot/cearlockjd/d0120316/05	78663-sht-deterladgn	DRAWN -	REVISED	-	09/21/07 KAG
	PLOT SCALE - 49,0000 17 in.	CHECKED -	REVISED	-	05/02/08 KJT
	PLOT DATE + 10/18/2013	DATE -	REVISEO	-	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL) SHEET NO. 2 OF 2 SHEETS STA.

STRIPE

SECTION COUNTY TOTAL SHEE SHEETS NO. ·(2X,3)RS-3 & 2RS-4 CHAMPAIGN 551 257 • F.A.U. 7152 & F.A.S. 1512 | CONTRACT NO. 70663 FED. ROAD DIST. NO. | ILLINOIS FED. AND PROJECT