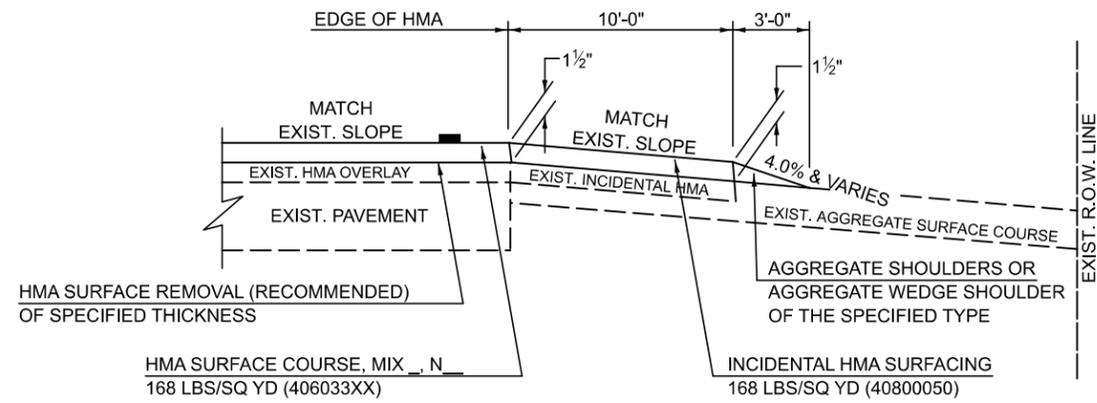


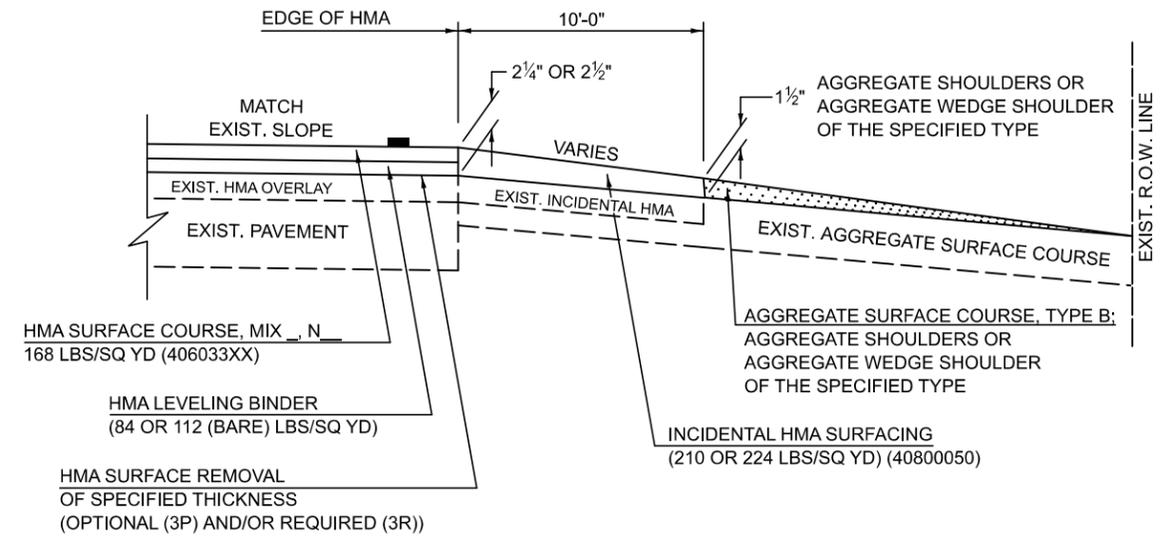
PROJECTS WITHOUT RECONSTRUCTION

**S.M.A.R.T. IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.03; 1½")**

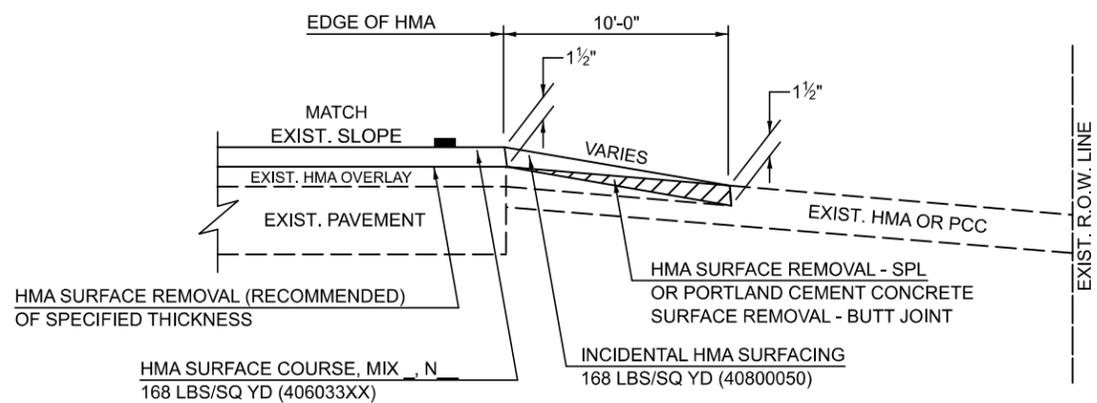


EXISTING AGGREGATE ENTRANCE

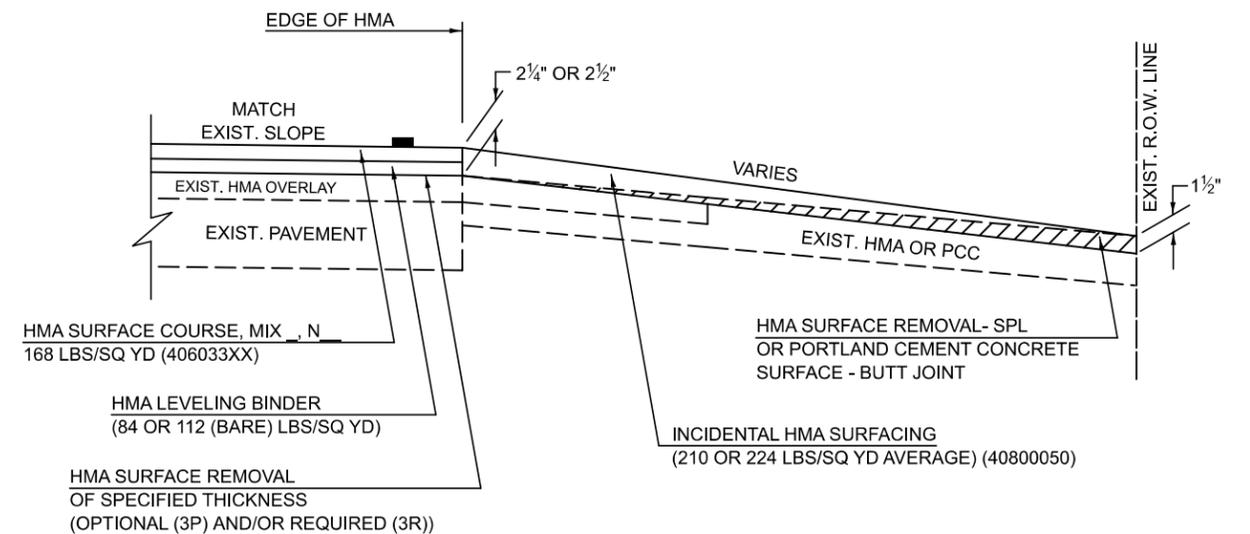
**"3P" OR "3R" IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)**



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE



EXISTING HMA OR PCC ENTRANCE

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

DISTRICT 5 DETAIL NO. 4080050C

MODEL: SHT_PLAN
FILE NAME: C:\Bentley\CONNECT10110\organizer\Chil\DOT_Standards\Cell\DOT_Sheets.cel

USER NAME = Eric.Thomas	DESIGNED -	REVISED - 05/08 KJT
	DRAWN -	REVISED - 04/10 KJT
PLOT SCALE = \$\$CALE\$	CHECKED -	REVISED - 3/6/17 SWN
PLOT DATE = 12/7/2022	DATE -	REVISED - 8/25/22 JWS

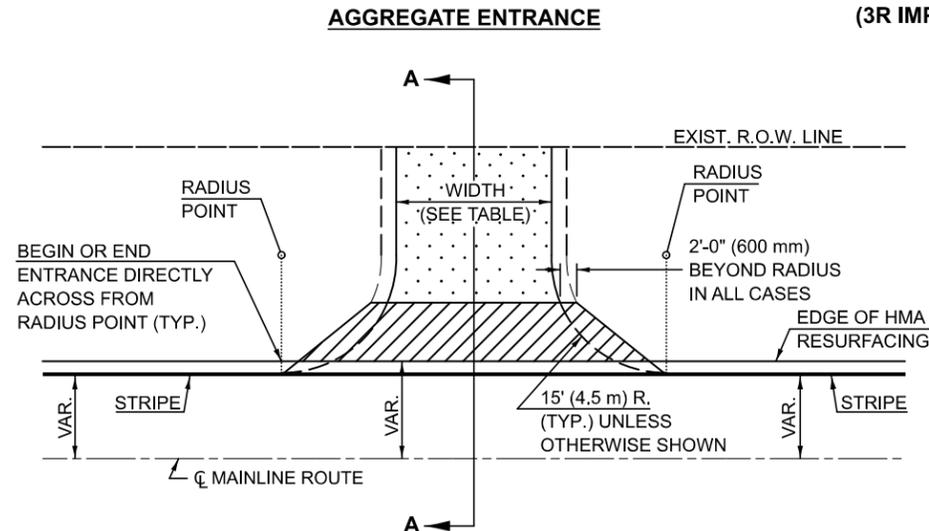
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRIVATE COMMERCIAL ENTRANCES
(NONCOMMERCIAL AND COMMERCIAL RURAL)**

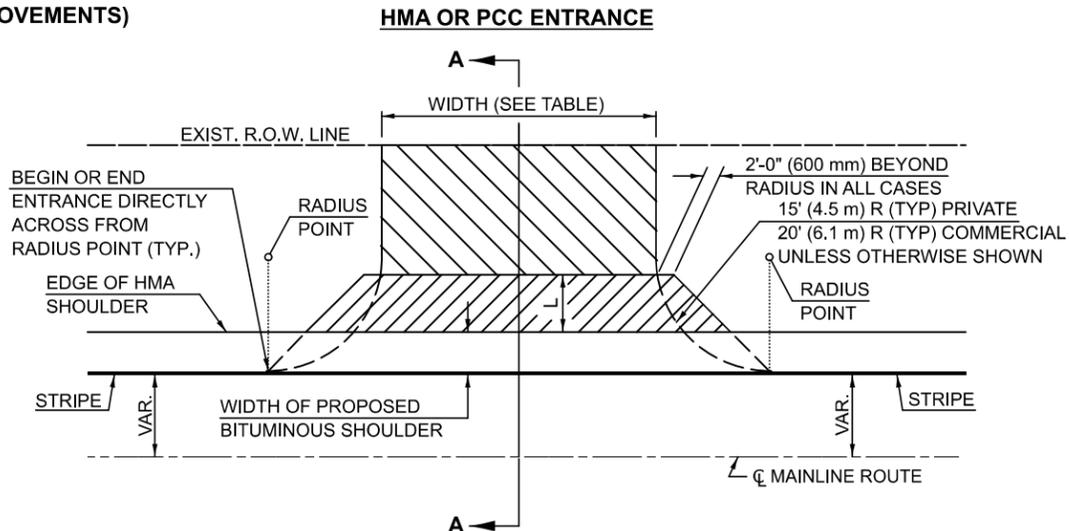
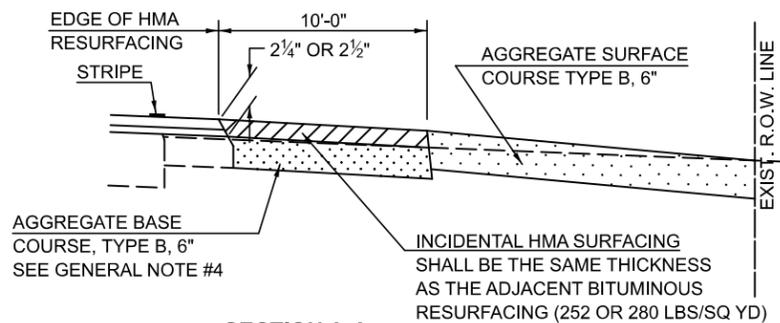
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

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

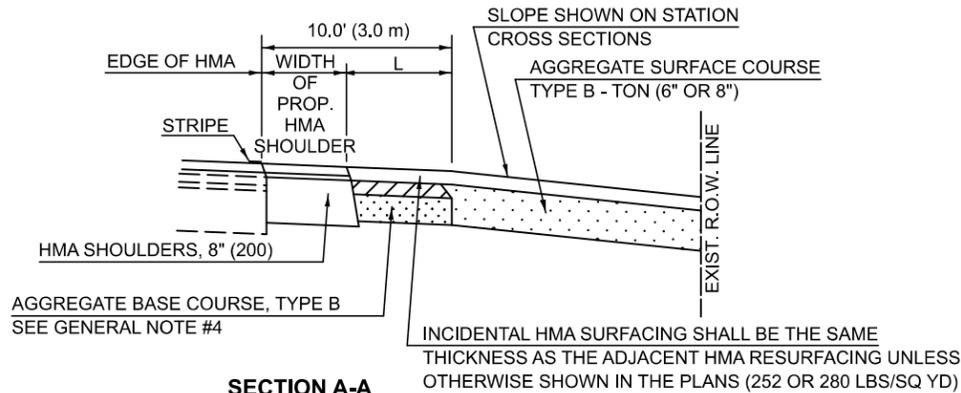
PROJECTS WITH RECONSTRUCTION



TYPICAL APPLICATION



TYPICAL APPLICATION



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 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMO 104/01 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																	
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM										
	NONCOMMERCIAL			FIELD W/FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL				
	PRIVATE & FIELD	FIELD W/FARM IMPLEMENTS	COMMERCIAL	PRIVATE & FIELD	FIELD W/FARM IMPLEMENTS	COMMERCIAL	PRIVATE & FIELD	FIELD W/FARM IMPLEMENTS	COMMERCIAL	PRIVATE & FIELD	FIELD W/FARM IMPLEMENTS	COMMERCIAL	PRIVATE & FIELD	FIELD W/FARM IMPLEMENTS	COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY			1 LANE, 1 WAY					
						14	16	24	2 LANE, 2 WAY			2 LANE, 2 WAY					
						24	30	35	resurface existing configuration; existing aggregate or earth			resurface existing configuration; existing aggregate or earth					
RADIUS (FT)	15	25	40	30		20	30	50	entrances shall have the continuation of aggregate shoulders			entrances shall have the continuation of aggregate shoulders					
SHOULDER WIDTH (FT)	2	2		2		1	3		placed behind them			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																	
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2")			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2")					
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate			if applicable, use items: Preparation of Base & Aggregate					
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8									

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

DISTRICT 5 DETAIL NO. 4080050C

USER NAME = Eric.Thomas	DESIGNED -	REVISED - 05/08 KJT
	DRAWN -	REVISED - 04/10 KJT
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED - 3/6/17 SWN
PLOT DATE = 12/7/2022	DATE -	REVISED - 8/25/22 JWS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)

SCALE: SHEET 2 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\Organization\Chil\IDOT_Standards\Cell\IDOT_Sheets.cel