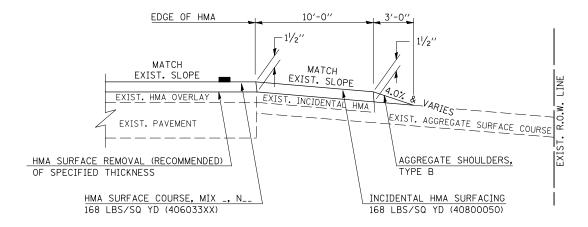
FILE NAME =

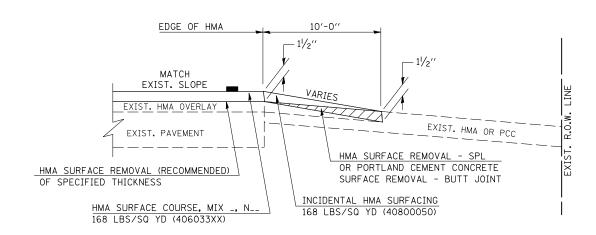
c:\pw_work\PWIDOT\CRAIGRE\dØ101509\408

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 11/2")



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE

DESIGNED

CHECKED

DRAWN

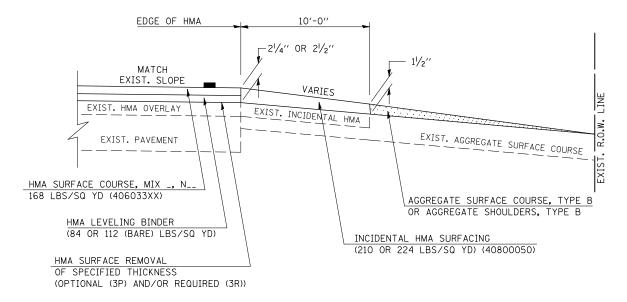
DATE

USER NAME = craigre

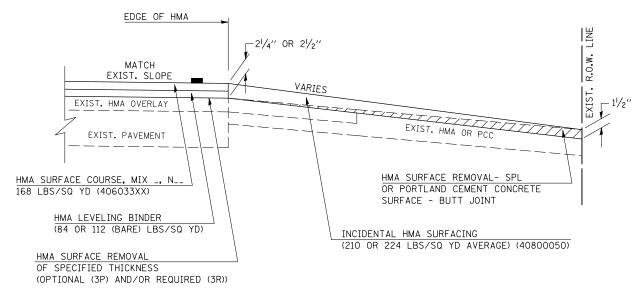
PLOT SCALE = 40,0000 '/ IN.

PLOT DATE = 4/30/2010

"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; $2^{1}/4^{"}$ OR $2^{1}/2^{"}$ ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE

PRIVATE AND COMMERCIAL ENTRANCES

(NONCOMMERCIAL AND COMMERCIAL RURAL)

SHEET NO. 1 OF 2 SHEETS STA.

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

DISTRICT 5 DETAIL NO. 40800050C

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHE N0
		CONTRACT	NO.	

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

09/21/07 KAG 05/02/08 KJT 04/23/10 KJT

12/08/06 TJB

REVISED

REVISED

REVISED

REVISED

SCALE: NA

FILE NAME =

c:\ow_work\PWIDOT\CRAIGRE\dØ1Ø15Ø9\4Ø8Ø

PROJECTS WITH RECONSTRUCTION HMA OR PCC ENTRANCE AGGREGATE ENTRANCE (3R IMPROVEMENTS) WIDTH (SEE TABLE) EXIST. R.O.W. LINE EXIST. R.O.W. LINE 2'-0" (600 mm) BEYOND RADIUS IN ALL CASES RADIUS BEGIN OR END RADIUS · · WIDTH · · · POINT ENTRANCE DIRECTLY 15' (4.5 m) R (TYP) PRIVATE 20' (6.1 m) R (TYP) COMMERCIAL RADIUS POINT (SEE TABLE) ACROSS FROM POINT RADIUS POINT (TYP.) BEGIN OR END UNLESS OTHERWISE SHOWN 2'-0" (600 mm) ENTRANCE DIRECTLY BEYOND RADIUS EDGE OF HMA IN ALL CASES RADIUS ACROSS FROM SHOULDER POINT RADIUS POINT (TYP.) EDGE OF HMA RESURFACING / 15′ (4.5 m) R. STRIPE STRIPE STRIPE STRIPE WIDTH OF PROPOSED (TYP.) UNLESS BITUMINOUS SHOULDER OTHERWISE SHOWN ## C MAINLINE ROUTE ## ¢ 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 TYPE B - TON (6" OR 8") 10'-0" PROP RESURFACING -21/4" OR 21/2" AGGREGATE SURFACE НΜА STRIPE STRIPE SHOULDER COURSE TYPE B, 6" HMA SHOULDERS, 8" (200) AGGREGATE BASE INCIDENTAL HMA SURFACING COURSE, TYPE B, 6"

SECTION A-A

INCIDENTAL HMA SURFACING SHALL BE THE SAME

THICKNESS AS THE ADJACENT HMA RESURFACING UNLESS

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

NEW CONSTRUCTION & 3R with RECON							<u>DESIGN STANDARDS (PPM 40-</u> DNSTRUCTION			3R w/out RECONSTRUCTION, 3P, SMART & CM				
	NONCOMMERCIAL						NONCOMMERCIAL			11014, 01,	01111 II (1 G (J141		
	PR	IVATE & FII		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 W	AY				1	LANE, 1 W	AY
SURFACE WIDTH (FT)	12	16	24	24	30	14	16	24						
						2 LANE, 2 WAY					2	LANE, 2 W	'AY	
						24	30	35						
RADIUS (FT)	15	25	40	30		20	30	50						
SHOULDER WIDTH (FT)	2	2		2		1	3		recurface	e evietina a	onfiguration	n evietina t	nma or pcc e	antranca
SHOULDER SLOPE (%)	2	4	6	4		2	4	6		_	_		ng aggregate	
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10		-			aggregate s	
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4	placed behind them					
SURFACE TYPE														
INCIDENTAL HMA		2		2		3 or 4			taper from	hma resui	rfacing thick	ness (2 1/2	2", 2 1/4" or	1 1/2") to
SURFACING (INCH)									1/2"1	or "butt joir	nts" and to r	minimize aç	gregate sho	oulder
AGGREGATE SURFACE		6		6		8			if applica	able use ite	ms: Prepara	ation of Bas	se & Aggreg	ate Base
COURSE, TYPE B (INCH)											Repair; see			
PCC DRIVEWAY		6						6 or 8						
PAVEMENT (INCH)														

REVISED - 12/08/06 TJB

09/21/07 KAG

05/02/08 KJT

REVISED

REVISED

REVISED

SHALL BE THE SAME THICKNESS

RESURFACING (252 OR 280 LBS/SQ YD)

AS THE ADJACENT BITUMINOUS

SECTION A-A

DESIGNED

CHECKED

DRAWN

DATE

SEE GENERAL NOTE #4

USER NAME = craigre

PLOT DATE = 1/7/2010

PLOT SCALE = 40.0000 '/ IN.

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

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F.A. RTE.		SEC.	TION			COUNTY	TOTAL SHEETS	SHEE NO.
						CONTRACT	NO.	
FED. R	DAD DIST.	NO.	ILLINOIS	FED.	AID	PROJECT		

STATI	E OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

AGGREGATE BASE COURSE, TYPE B

SEE GENERAL NOTE #4