



**EXISTING CONDITIONS:**

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE (VARIES, 3" TO 11")
- (B) P.C.C. BASE COURSE (VARIES, 7" TO 14")
- (B1) P.C.C. PAVEMENT, 10"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (C1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (C2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (D) CONCRETE MEDIAN, CORRUGATED
- (D1) CONCRETE MEDIAN, BARRIER TYPE SB-6.06
- (E) TIE BARS
- (F) AGGREGATE SHOULDER

**PROPOSED IMPROVEMENTS:**

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2 "
- ② POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4 "
- ③ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4 "
- ④ COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT
- ⑤ (AT LOCATIONS DETERMINED BY THE ENGINEER)  
AGGREGATE WEDGE SHOULDER, TYPE B

**NOTES:**

1. FROM STA. 50+28 TO STA. 94+00 THE CONTRACTOR SHALL MILL HMA SURFACE (2 1/2") FIRST BEFORE PATCHING.
2. FROM STA. 101+72 TO STA. 105+85 THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING HMA SURFACE (2 1/2").

ROADWAY NAME	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	MIXTURE TYPE	AC TYPE	AIR VOIDS
DES PLAINES RIVER ROAD	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	SBS/SBR PG 70-22	4% @ 90 GYR
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/22	4% @ 50 GYR
	CLASS D PATCHES (HMA BINDER, IL-19)	* PG 64-22	4% @ 70 GYR.
	HMA REPLACEMENT OVER PATCHES AND PARTIAL DEPTH PATCHING (HMA BINDER, IL-19)	* PG 64-22	4% @ 70 GYR.

\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.