



## EXISTING CONDITIONS:

- A HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 5" AND VARIES
- ® HOT-MIX ASPHALT BASE COURSE, 10"
- AGGREGATE SHOULDER
- D COMBINATION CONCRETE CURB AND GUTTER

## 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"
- GOMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
  (AS DIRECTED BY ENGINEER)
  AGGREGATE WEDGE SHOULDER, TYPE B
- 6 GRADING AND SHAPING SHOULDERS
- ① CLASS D PATCHES, 10" (DETERMINED BY ENGINEER IN FIELD)

## HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART

OPERATIONS	MIXTURE TYPE	AC TYPF	PERCENT
OF ERATIONS	WIX TORE THE	AC TITE	AIR VOIDS
	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5MM)	SBS/SBR PG 70-22	4% @ 90 GYR
ROADWAY AND BRIDGE APPROACH RESURFACING	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% <b>©</b> 50 GYF
	LEVELING BINDER (HAND METHOD), N70 (IL-9.5MM)	PG 64-22 *	4% @ 70 GYR
DAVENENT DATCHING	CLASS D PATCHES, 10" (HMA BINDER IL-19 MM)	PG 64-22 *	4% € 70 GYR
PAVEMENT PATCHING	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER, IL-19 MM)	PG 64-22 *	4% <b>©</b> 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

• WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



DRAWN   AL   REVISED   -	
014 PLOY DATE = 4/8/2008 DATE 4/7/2008 REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

DES PLAINES RIVER ROAD FOSTER AVENUE TO 1ST AVENUE (IL 171) TYPICAL SECTIONS				F.A.U. RTE.	RTE. SECTION COUNTY S					
				2710	3222 RS-1	COOK	31			
							NO.	6241		
SHEET	NO.	0F	SHEETS	STA.	TO STA.	FED. RO	AD DIST. NO ILLINOIS FED. A	ID PROJECT		