HEUER AND ASSOCIATES

SECTION COUNTY 1004 08-00079-03-FP соок 94 9 STA. TO STA. 2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

CONTRACT No. 63353

## **PAVEMENT DESIGN DATA**

DESIGN PERIOD: 20 YEARS % OF PASSENGER VEHICLES (PV): 99% % OF SINGLE UNIT TRUCKS (SU): 0.5% % OF MULTI UNIT TRUCKS (MU): 0.5% SUBGRADE SUPPORT RATING (SSR): FAIR

## RATES OF APPLICATION

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

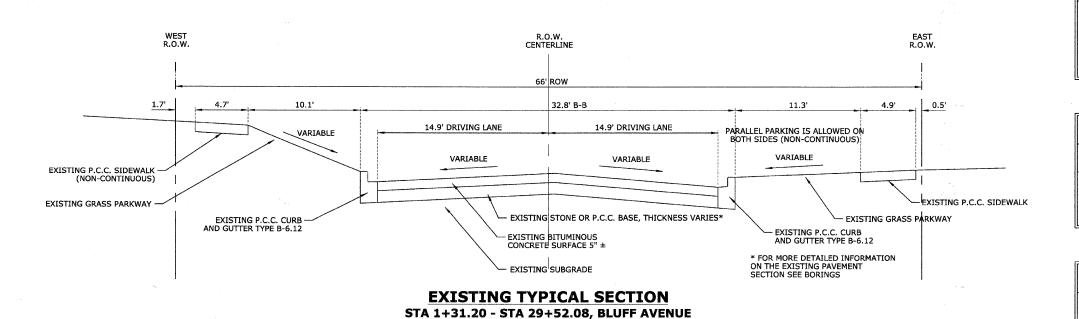
HOT-MIX ASPHALT BINDER AND SURFACE COURSE GRANULAR MATERIALS
BITUMINOUS MATERIALS PRIME COAT
BITUMINOUS MATERIALS PRIME COAT
AGGREGATE MATERIALS PRIME COAT

## HOT-MIX ASPHALT MIXTURE REQUIREMENTS **AIR VOIDS MIXTURE TYPE** @Ndes **FULL DEPTH PAVEMENT** HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 4% @ 50 GYR HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NSO 4% @ 50 GYR HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm) 4% @ 50 GYR PATCHING CLASS D PATCHES (HMA BINDER IL-19mm) 4% @ 70 GYR

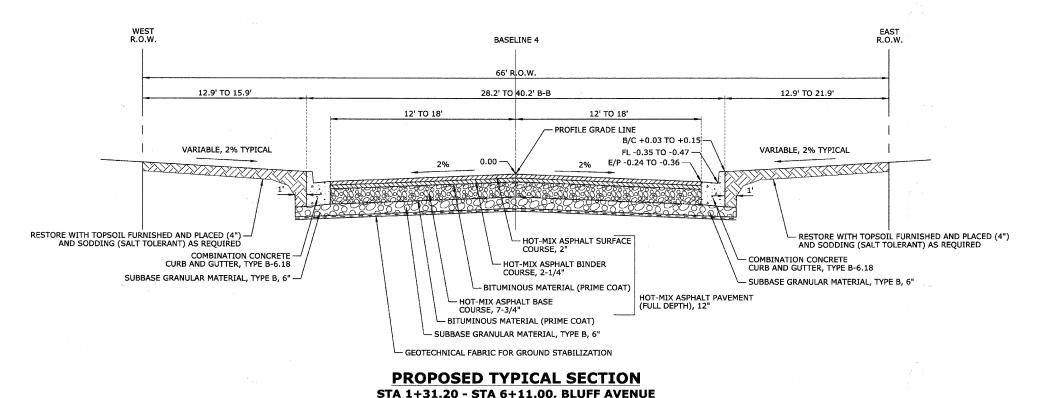
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY THE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE THE SPECIAL PROVISIONS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
PER T.O.O.T.	DATE 01-04-70	BLUFF AVENUE	IMPROVEMENTS
		<b>-</b>	TAGE 3
		TYPICAL SECTIONS	AL SECTIONS
		SCALE: NTS	DRAWN BY H&A
		DATE 11/30/2009	CHECKED BY JRH



**47th STREET TO COSSITT AVENUE** 



(TAPERS BETWEEN STA 2+93.00 TO 6+11.00)

03-Typical Sections.dgn 11/30/2009 4:12:22 PM