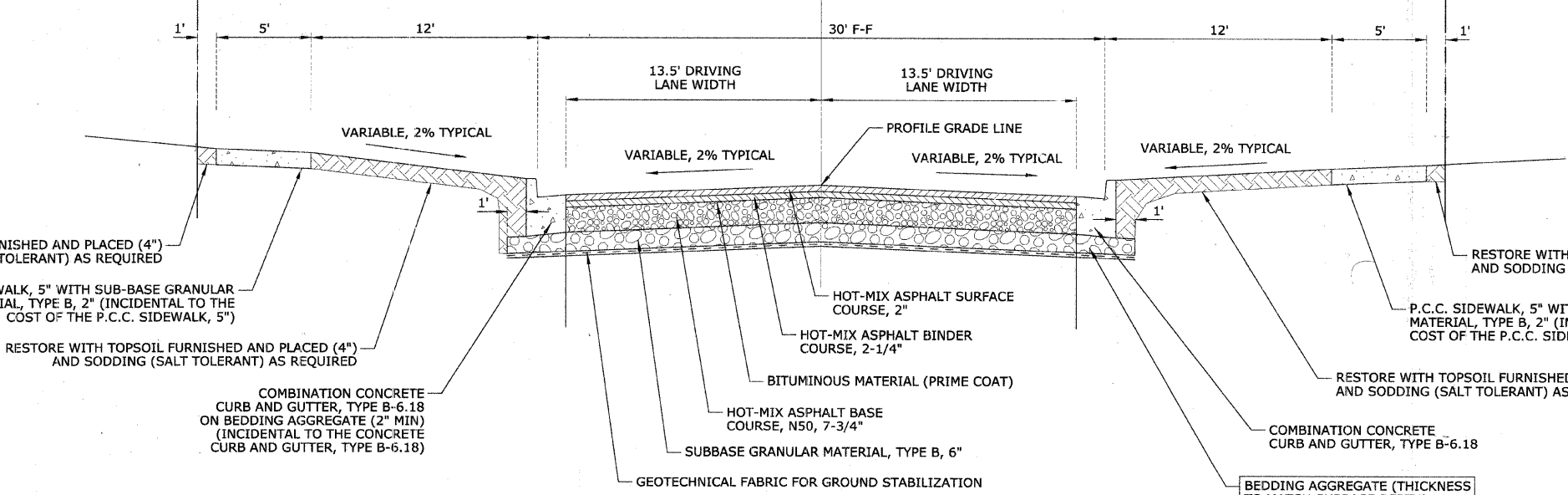


EXISTING TYPICAL SECTION
 STA 29+90.55 - STA 45+53.65
 COSSITT AVENUE TO BURLINGTON AVENUE



PROPOSED TYPICAL SECTION
 STA 29+90.55 - STA 45+53.65
 COSSITT AVENUE TO BURLINGTON AVENUE

PAVEMENT DESIGN DATA

CLASSIFICATION OF ROADWAY: CLASS II ROADWAY
 DESIGN PERIOD: 20 YEARS
 PROJECTED AVERAGE DAILY TRAFFIC: 4157
 % 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	112 LBS/SY/IN
GRANULAR MATERIALS	1.8 TON/CY
BITUMINOUS MATERIALS PRIME COAT	0.35 GAL/SY
BITUMINOUS MATERIALS TACK COAT	0.10 GAL/SY
AGGREGATE MATERIALS PRIME COAT	5 LBS/SY

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	AIR VOIDS
FULL DEPTH PAVEMENT;		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm)	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-9.0, N50	PG 64-22 *	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19mm)	PG 64-22 *	4% @ 50 GYR
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm)	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 SURFACE MIXTURE QUANTITIES IS 112 LBS/YS/IN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BLUFF AVENUE IMPROVEMENTS
STAGE 1

TYPICAL SECTIONS

SCALE: NTS
 DATE 07/18/2008

DRAWN BY H&A
 CHECKED BY PFH

PLAN
 SURVEYED BY: _____ DATE: _____
 ALIGNED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 NO. _____

PROFILE
 SURVEYED BY: _____ DATE: _____
 GRADES CHECKED BY: _____ DATE: _____
 STRUCTURE NOTATIONS CHECKED BY: _____ DATE: _____
 NO. _____