

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.			
MIXTURE TYPE	AIR VOIDS	LIFT THICKNESS	USE
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50,	4% @ 70 GYR	1 1/2"	SURFACE
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	4% @ 70 GYR	2"	BINDER
INCIDENTAL HOT-MIX ASPHALT SURFACING, MIX "D", N50, 2"	4% @ 70 GYR	2"	SIDERROADS & ENTRANCES
HOT-MIX ASPHALT SHOULDERS, (HMA BINDER, IL-19.0), N50, 9 1/2"	4% @ 70 GYR	2"	SHOULDERS

NOTES: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/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 DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

### EXISTING TYPICAL SECTION JOLIET ST.

STA. 7+75.88 TO STA. 9+22.37  
STA. 10+74.96 TO STA. 12+04.33

### JOLIET ST. STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2020

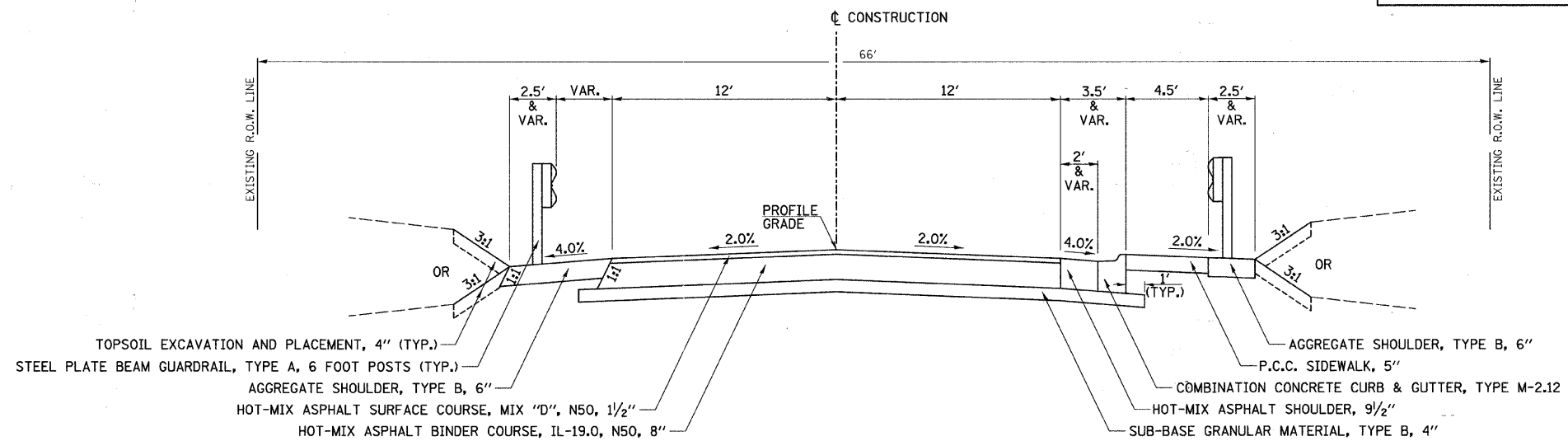
PV = 2574 SU = 117 MU = 234

CLASS II ROAD  
SUB-GRADE SUPPORT RATING: POOR  
PERCENT OF S.D.T. IN DESIGN LANE: 50%

TRAFFIC FACTOR = 0.84

PAVEMENT STRUCTURE MATERIALS RECONSTRUCTION:

SURFACE COURSE TYPE: HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"  
BASE COURSE TYPE: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"  
SUB-BASE TYPE: SUB-BASE GRANULAR MATERIAL, TYPE B, 4"



### PROPOSED TYPICAL SECTION JOLIET ST.

STA. 7+75.88 TO STA. 7+90.81 (NO CURB & GUTTER OR SIDEWALK)

BRIDGE APPROACH PAVEMENT CONNECTOR  
STA. 7+90.81 TO STA. 8+90.81  
STA. 11+04.33 TO STA. 12+04.33

(SEE BRIDGE PLANS FOR TYPICAL SECTION.)

### PROPOSED TYPICAL BRIDGE CROSS SECTION

STA. 8+90.81 TO STA. 9+20.81 (BRIDGE APPROACH)  
STA. 9+20.81 TO STA. 10+74.33 (BRIDGE)  
STA. 10+74.33 TO STA. 11+04.33 (BRIDGE APPROACH)

FILE NAME = V:\2882\2882\001.dgn	USER NAME = bdcraene	DESIGNED -	REVISED - 10/20/2011	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JOLIET ST., TYPICAL SECTIONS</b>			RTE. NO. N/A	SECTION 07-10117-00-BR	COUNTY WILL	TOTAL SHEETS 36	SHEET NO. 4
	PLOT SCALE = 4.000' / IN.	CHECKED -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 63642			
	PLOT DATE = 10/21/2011	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							