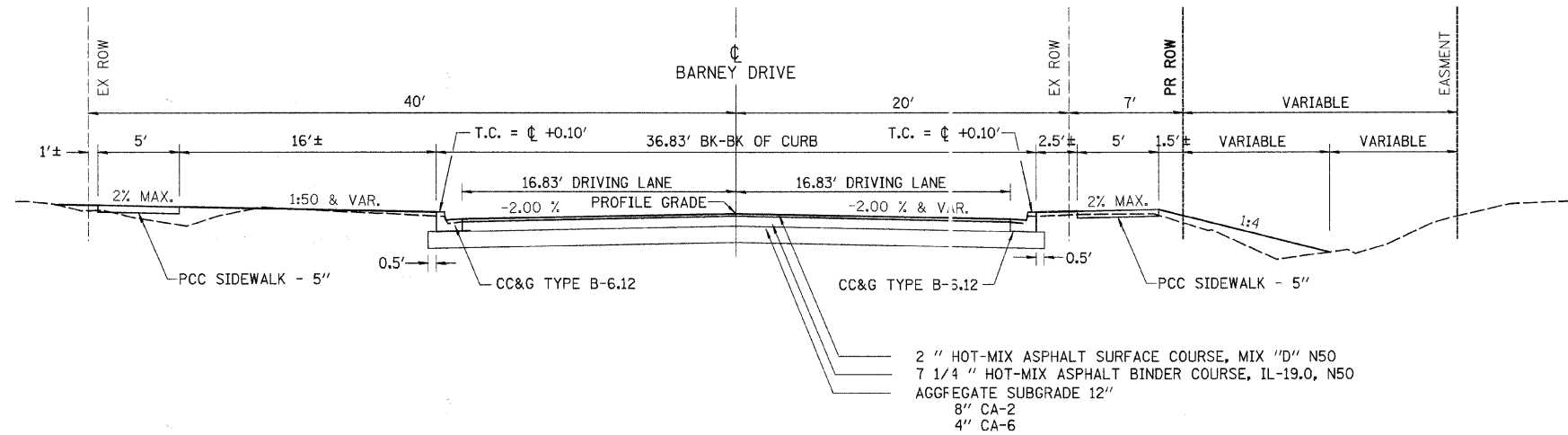


TYPICAL SECTIONS



PROPOSED TYPICAL SECTION
19+25.00 TO 21+00.00, BARNEY DRIVE

PAVEMENT STRUCTURAL DESIGN
BARNEY DRIVE

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2021

CLASS II STREET
80,000* TRUCK DESIGN

$E_{RI} = (\text{ASSUMED}) 2 \text{ ksi}$
 $TF = 0.65$
HMA MIX TEMP. 78°F
HMA $E_{AC} = 600 \text{ ksi}$
HMA DESIGN STRAIN 120 microstrain

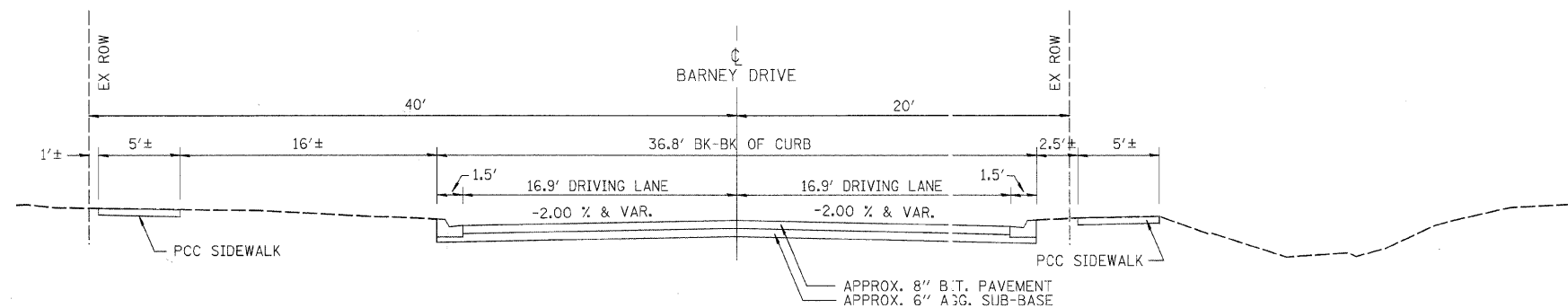
P.V. 4,106
S.U. 268
M.U. 89 } 4,463 ADT

USE
2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
7 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
12" AGGREGATE BASE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 7 1/4" (IN 3 LIFTS)	4% @ 50 Gyr.

NOTE: 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
19+25.00 TO 21+00.00, BARNEY DRIVE

JOLIET - BARNEY DRIVE - HORIZONTAL CONTROL POINTS					
POINT #	STATION	O/S	NORTH	EAST	DESCRIPTION
1	18+44.25	24.04'	1,769,872.77	1,036,314.96	5/8" IRON PIN
2	19+53.76	-23.39'	1,769,980.70	1,036,264.01	CHIS. "X"
3	21+97.01	23.54'	1,770,225.33	1,036,303.05	5/8" IRON PIN

JOLIET - BARNEY DRIVE - VERTICAL BENCH MARKS				
STATION	ROAD	ELEV.	DESCRIPTION	
17+86.76	-54.21'	BARNEY	634.68	"0" IN OPEN ON FH @ NW COR. OF BARNEY DR. & CAMPBELL ST.
21+18.97	-61.43'	BARNEY	633.10	"0" IN OPEN ON FH @ SW COR. OF BARNEY DR. & FAIRWAY DR.

DATUM: NAD83 1997, ILLINOIS STATE PLANE EAST 1201

FILE NAME = S:\PROJECTS\2010\12\01\010_BarneyDrPHI1.DESIGN\TRANS\Iupicel1a.dgn

USER NAME =	DESIGNED - L.G.N.	REVISED -
PLOT SCALE =	CHECKED - G.F.S.	REVISED -
PLOT DATE =	DRAWN - L.G.N.	REVISED -
	CHECKED - G.F.S.	REVISED -

ILLINOIS DEPARTMENT OF TRANSPORTATION
BARNEY DRIVE OVER TRIBUTARY OF ROCK RUN
STATION 20 + 00

TYPICAL SECTIONS & GENERAL NOTES
STRUCTURE NO. 099-6474

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0330	08-00413-00-BR	WILL	33	4
WHA# 1201D10		CONTRACT NO. 63571		
[ILLINOIS] FED. AID PROJECT BRN-9003(162)				