



PAVEMENT STRUCTURAL DESIGN (CONVENTIONAL FLEXIBLE)
FAS 249 (C.H.17 - YANKEE LANE)

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2018

CLASS III STREET
 80,000 TRUCK DESIGN

ASSUME ERI = 3 ksi
 TF = 0.19
 HMA MIX TEMP. 74° F
 HMA E_{AC} = 600 ksi
 HMA DESIGN STRAIN 235 microstrain

USE
 1.5" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30
 3.5" HOT-MIX ASPHALT BINDER COURSE, IL 19.0L, N30
 4" AGGREGATE BASE COURSE, TYPE A
 8" SUB-BASE GRANULAR MATERIAL, TYPE B

P.V. 265
 S.U. 50
 M.U. 35] 350 ADT

PAVEMENT MIXTURE REQUIREMENTS
 RECONSTRUCTION

MIXTURE USE:	SURFACE	BINDER
PG:	PG 58-28	PG 58-28
RAP %: (MAX)	15	10
DESIGN AIR VOIDS	4.0 @ N30	4.0 @ N30
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 or IL 12.5	IL 19.0L
FRICTION AGGREGATE	C	N/A

ENTRANCE DETAILS & SUPERELEVATION DIAGRAMS
FAS 249 (C.H. 17 - YANKEE LANE) OVER CROW CREEK
 SECTION 03-00190-00-BR
 STA. 55+01 (S.N. 006-3231)
 BUREAU COUNTY
 PROJECT NO. BRS-249(104)
 WHA # 1119D05

