

F.A.S. RTE. 258 (C.H. 2) STRUCTURAL PAVEMENT DESIGN

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

PV = 2517 SU = 200 MU = 143

CLASS III ROAD

MINIMUM SOIL REPORT: POOR

TRAFFIC FACTOR = 0.77

PERCENT OF S.D.T. IN DESIGN LANE:

P = 50, SU = 50, M = 50

STRUCTURAL NUMBER: D =

PAVEMENT STRUCTURE MATERIALS:

SURFACE COURSE TYPE: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 1/2"

BINDER COURSE TYPE: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"

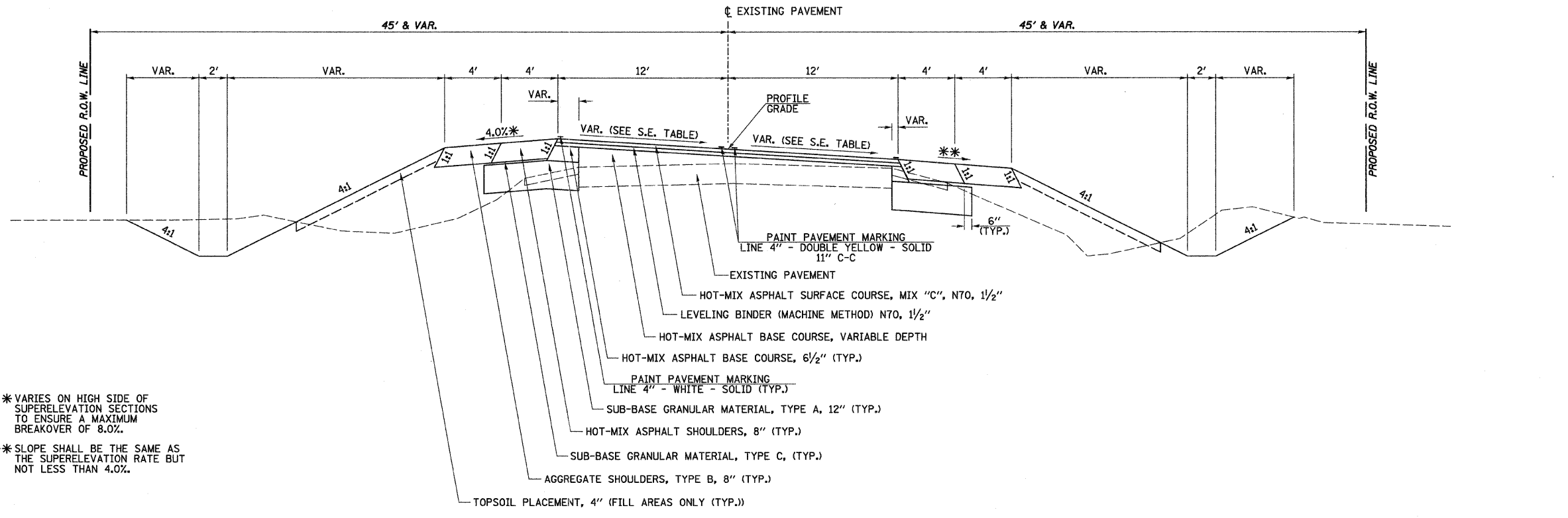
SUB-BASE TYPE: SUB-BASE GRANULAR MATERIAL, TYPE A, 12"

LOCATION: F.A.S. RTE. 258 (C.H. 2)			
MIXTURE USE	BINDER	LEVELING BINDER (MACHINE METHOD)	SURFACE
AC TYPE	PG 64-22	PG 64-22	PG 64-22
RAP% : (MAX.)	25%	25%	15%
DESIGN AIR Voids	4% @ N70	4% @ N70	4% @ N70
MIXTURE COMPOSITION	IL-19.0	IL-9.5	IL-9.5
FRICTION AGGREGATE	N/A	N/A	MIX "C"

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE IS 112 LBS/SQ YD/IN. WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

PROPOSED TYPICAL SECTION
F.A.S. RTE. 258 (C.H. 2)

STA. 36+78.29 TO STA. 37+38.29
STA. 62+95.65 TO STA. 63+55.65



* VARIES ON HIGH SIDE OF SUPERELEVATION SECTIONS TO ENSURE A MAXIMUM BREAKOVER OF 8.0%.

** SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE BUT NOT LESS THAN 4.0%.

PROPOSED TYPICAL SECTION
F.A.S. RTE. 258 (C.H. 2)

STA. 37+38.29 TO STA. 38+57.54