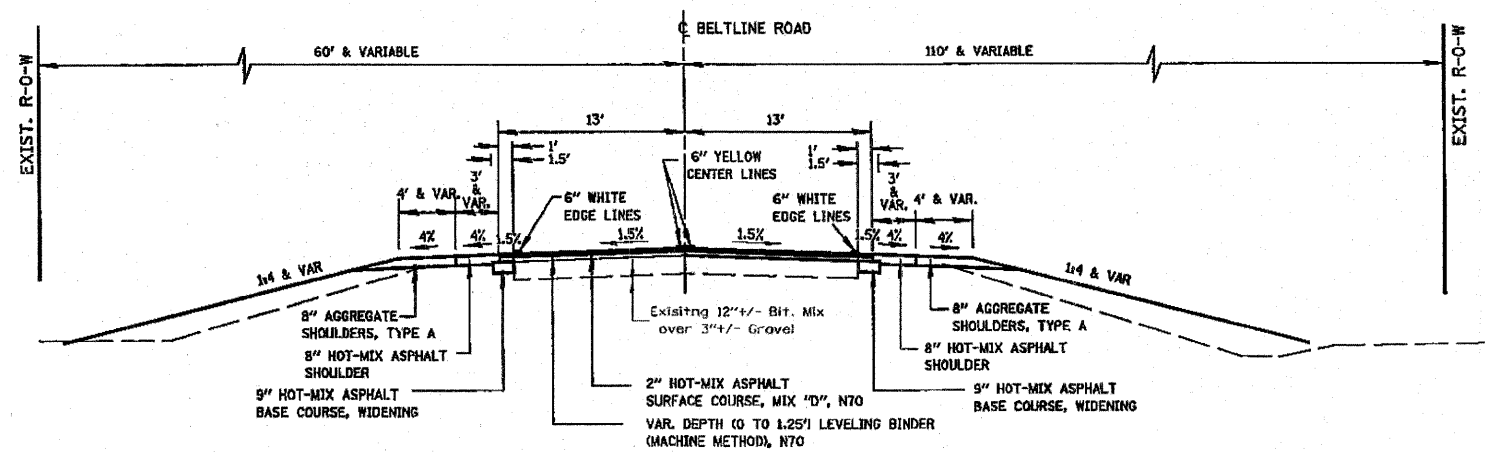


BELTLINE ROAD TYPICAL SECTIONS

PAV. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6154	04-00343-00-BR	WINNEBAGO	92	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- ① STA. 123+35.60 TO 123+91.81
- ⑦ STA. 135+36.20 TO 139+78.26
- ⑫ STA. 151+63.99 TO 154+37.00

PAVEMENT STRUCTURAL DESIGN

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2017

CLASS II ROAD
120,000# TRUCK DESIGN

MINIMUM SOIL SUPPORT: IFR=3.0
T.F.=5.12 ; D_r= 5.12 REQUIRED

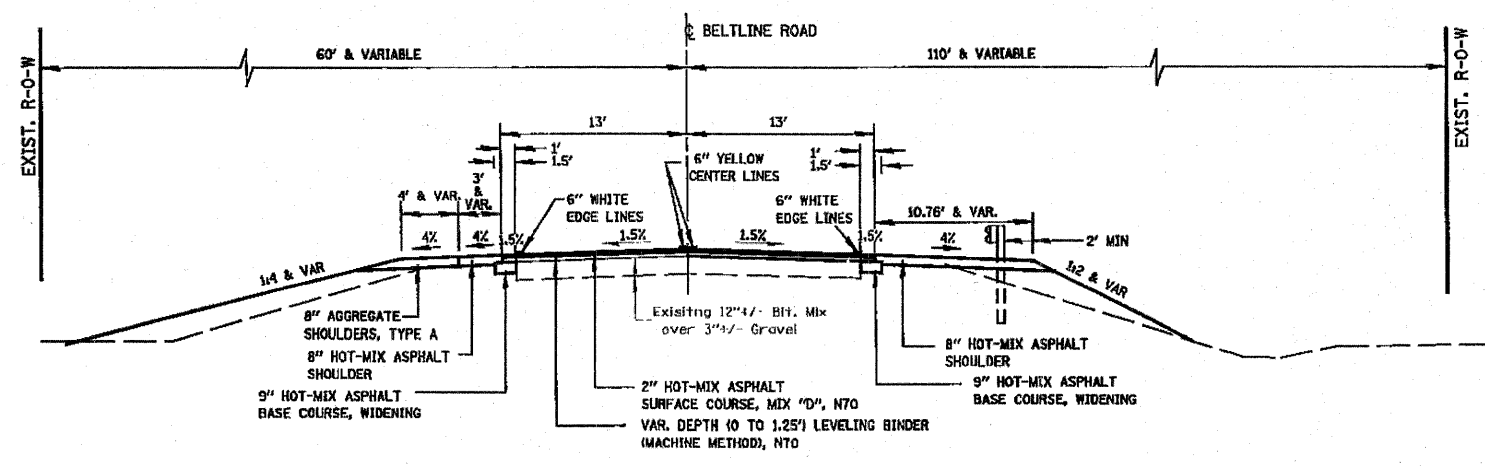
PAVEMENT STRUCTURE MATERIALS:

PROPOSED PAVEMENT OVERLAY
HOT-MIX ASPHALT SURF. CSE, MIX D, N70
HOT-MIX ASPHALT LEV. BINDER, N70

EXISTING PAVEMENT
3" BITUMINOUS SURFACE
9" BITUMINOUS BASE
3" SUBBASE GRAVEL

P.V.	2,056	} 3,065
S.U.	348	
M.U.	661	

G ₁	= 0.4 (2")	= -0.8
G ₂	= 0.403-3/4")	= -1.5
D ₊		2.30
G ₁	= 0.25(3")	= -0.75
G ₂	= 0.20(9")	= -1.80
G ₃	= 0.09(3")	= -0.27
D ₊		2.82
TOTAL D ₊		= 5.12 OK



- ② STA. 123+91.81 TO 125+39.21

PAVEMENT MIXTURE REQUIREMENTS

	RE-CONSTRUCTION	
	LEVELING BINDER	SURFACE
PG ₁	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0 @ N70	4.0 @ N70
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 9.5 OR 12.5
FRICTION AGGREGATE	N/A	D

DATE-TIME
REV
BY
APP
CHK
DATE