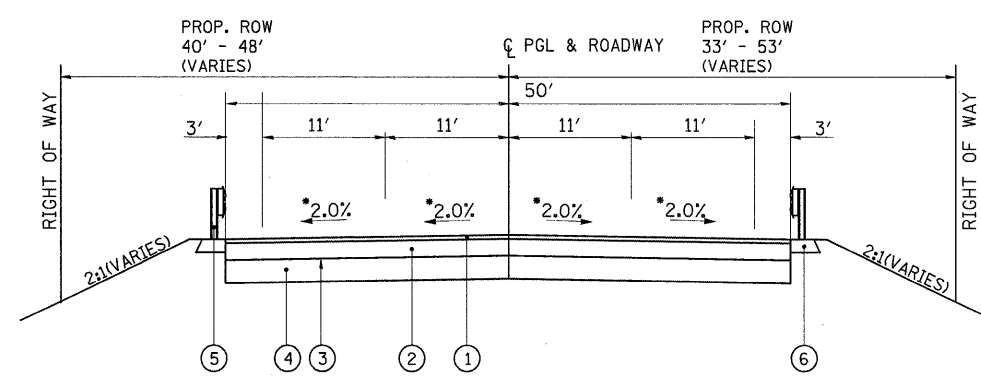


REMOVAL ITEM

EXISTING ROADWAY - DIXIE HIGHWAY

Sta. 73+50 to Sta. 77+97
Sta. 79+15 to Sta. 84+25
BRIDGE LIMITS
(78+28 to 78+84)



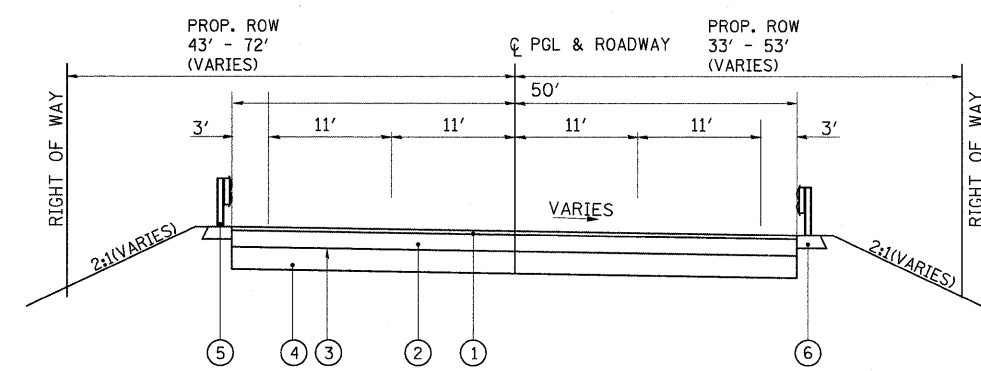
* TRANSITIONS TO SUPERELEVATION

PROPOSED ROADWAY - DIXIE HIGHWAY

Sta. 73+50 to Sta. 77+42

SUPERELEVATION CHART

SUPERELEVATION RATE: e=3.29%
SUPERELEVATION RUNOFF: L=196.80'
TANGENT RUNOUT: TR=80.08'
BEGIN SUPERELEVATION TRANSITION: STA. 75+30.23
TANGENT RUNOUT: STA. 76+10.31
FULL SUPERELEVATION: STA. 80+32.77



PROPOSED ROADWAY - DIXIE HIGHWAY

Sta. 79+68 to Sta. 84+25

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT, 2 1/4" (+-)
- (B) EXISTING P.C.C. BASE COURSE, 9" (+-)
- (C) EXISTING HMA SHOULDER, 8" (+-)
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING STEEL PLATE BEAM GUARDRAIL

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N 70, (IL-9.5mm), 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N 70, 11"
- (3) AGGREGATE MATERIALS (PRIME COAT)
- (4) PROPOSED AGGREGATE SUBGRADE, 12"
- (5) PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A
- (6) HMA SHOULDERS, 8"

HMA MIXTURE REQUIREMENTS		
PAY ITEM	AC TYPE	VOIDS
FULL DEPTH PAVEMENT, 13"		
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N 70, (IL-9.5mm), 2"	PG 64 -22	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N 70, 11"	PG 64 -22	4% @ 70 GYR
TEMPORARY HMA PAVEMENT, 10"		
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N 70, (IL-9.5mm), 1.5"	PG 64 -22	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N 70, 8.5"	PG 64 -22	4% @ 70 GYR
DRIVEWAYS		
HMA BASE COURSE (HMA BINDER IL-19 mm), 6"	PG 58-22	2% @ 50 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N 70, (IL-9.5mm), 2"*	PG 64-22	4% @ 70 GYR
CLASS D PATCHES		
CLASS D PATCH (HMA BINDER IL-19 mm), 6"	PG 64-22	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	PG 64-22	4% @ 70 GYR
SHOULDERS		
HMA SHOULDER, 8"	PG 58-22	2% @ 30 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIX QUANTITIES IS 112 lbs / sq yd / In.
*DUE TO THE MINIMAL AMOUNT OF DRIVEWAY SURFACE NEEDED, PAVEMENT SURFACE COURSE TO BE USED.

STRUCTURAL DESIGN TRAFFIC:	Year 2015		
PV = 19,052	SU = 595	MU = 198	
ROAD / STREET CLASSIFICATION:	Class 1		
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P = 32%	S = 45%	M = 45%	
TRAFFIC FACTOR:	Actual TF = 1.59	AC Type = 10	
	Minimum TF = 0.59		
AC GRADE:	Binder = IL - 19, N70 Surface = Mix " D ", N70		
SUBGRADE SUPPORT RATING:			
SSR =	(Sta. _____ to _____)		
SSR =	(Sta. _____ to _____)		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2843 DIXIE HIGHWAY
OVER BUTTERFIELD CREEK

TYPICAL SECTIONS
(ROADWAY)

SCALE: VERT. NONE
HORIZ. 7-2-09
DATE

DRAWN BY AW
DESIGNED BY AW
CHECKED BY MF

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